**Expression of Interest** 

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WV Division of Natural Resources



916 Fifth Avenue, Suite 208 Huntington, West Virginia 25701 304,697,4990 telephone 304,697,4991 facsimile eta@etarch.com l etarcheom



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

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FRANK WHITTAKER 304-558-2316

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DIVISION OF NATURAL RESOURCES PROCUREMENT OFFICE

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### STATE OF WEST VIRGINIA Purchasing Division

### **PURCHASING AFFIDAVIT**

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

#### **DEFINITIONS:**

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

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

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

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

WITNESS THE FOLLOW	ING SIGNATURE
Vendor's Name: <u>Ed</u>	tward Tucker Architects luc.
Authorized Signature:	awas W. Janlan Date: March 9, 2010
State of West V	litainia
County of <u>Cabell</u>	to-wit:
Taken, subscribed, and s	worn to before me this day of March, 20 10
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March 8, 2010

Mr. Frank Wittaker Division of Natural Resources Procurement Office 324 4th Avenue South Charleston, WV 25303-1228

re: Expression of Interest #DNR210145 Cabwaylingo State Forest Group Camp Dining Hall

Dear Mr. Wittaker

Enclosed for consideration to the WV Division of Natural Resources is our Expression of Interest to provide Architectural & Engineering Services for the new Group Camp Dining Hall at Cabwaylingo State Forest.

Our firm is familiar with this project type and has produced successful designs in both the public and private sectors. Our experience extends from working with corporations as large at Starbucks to local business start-ups such as Mountain Bounty Kitchen for Unlimited Futures Inc. We have assisted religious organizations and state colleges in design of functional dining environments that balance aesthetics and budget. Our firm understands dining requirements and will incorporate that knowledge into your new Dining Hall.

Although this would be our firm's inaugural project with the Division of Natural Resources, our Structural/Civil consultant Randolph Engineering Inc. has been fortunate to work with Mr. Brad Leslie P.E. and his staff in the past. We have forged a strong relationship with Randolph Engineering and hope to exceed your design expectations.

The Project Team section details the staff and firm resources that we are prepared to put into action. Long before LEED and green design became popular, we were incorporating practical methods to reduce long term energy consumption and maintenance costs for our clients. Several of our team members are LEED certified should you wish to pursue LEED accreditation on this project. Either way, we are committed to design a functional, durable, easily maintained, and attractive project that will be within your budget and produced on schedule.

Thank you for your thoughtful consideration of this Expression of Interest. I look forward to discussing our team's approach to this commission with your selection committee.

Sincerely,

EDWARD THOUSER ARCHITECTS, INC.

Nathan Jon Randolph, AIA

# 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.

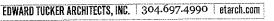
Our reputation has evolved by delivering quality design through talented, highly capable and professional staff. Most of our work is derived from relationships with repeat clients who count on our consistent levels of service and added value. Our work is varied, and not of a single architectural style. 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	The second secon						
PROJECT MANAGERS:	Walter L. Wilkes, AIA							
	Nathan Jon Randolph, AIA	4,545,255,558 45,555,555,556						
	Phoebe Patton Randolph, AIA, LE	ED AP						• :
	J.D. Maynard, Associate AIA, LEE	D AP		1.45				3 8
	Josh M. Dygert, Associate AIA	19.24.	**					
INTERIOR DESIGN:	Heidi Campbell	ara region			nen. De Ajr			
OFFICE MANAGER:	Lisa Black							
CONTACT INFORMATION:	Edward W. Tucker, AIA				5.		₹.	
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# 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.

The same group of architects, engineers and consultants may not be the best team for every project. We also understand that some projects benefit from consultants with specific project type experience. 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.

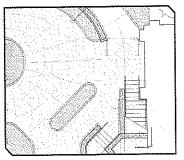
We believe that all of our Core Values contribute to a positive construction experience and outcome, but there are specific ETA protocols for Construction Administration that have earned the respect of both our clients and the construction community. We routinely hold our errors and omissions to less 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:

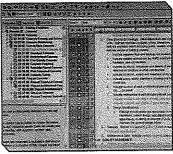
- Project Scope, Schedule and Budget are realistically established at the outset of the project.
- We follow the **Drawing Notation** mantra of: "Say it once, say it correctly, say it in the proper place" through coordinated general, reference and sheet specific key notes. **Specifications** are edited 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.

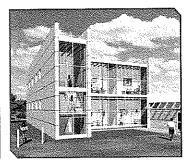




# firm profile:: TECHNOLOGY







### 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

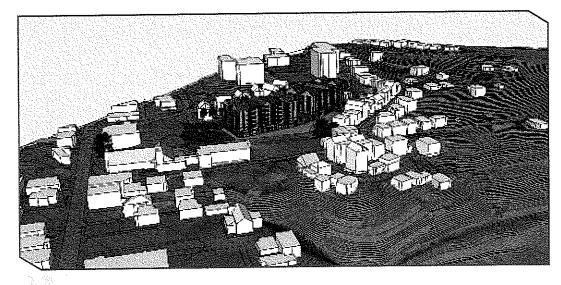
• Graphic Presentations and Communications: Adobe Creative Suite Premium

• 3-D Modeling and Graphics: Sketch Up Pro

• Project Business 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 AND PAST POSITIONS:**

- Regional Director Virginias Region, American Institute of Architects (AIA) Board of Directors
- President, Director American Institute of Architects (AIA) West Virginia
- Board of Directors Huntington Federal Savings Bank
- Cabell County Historic Landmarks Commission
- Board of Directors Huntington Symphony Orchestra
- Board of Directors Huntington Rotary Club
- Executive Board Tri-State Council Boy Scouts of America
- Chair, Church Council Beverly Hills United Methodist Church
- City of Huntington Historical Commission
- Board of Directors Huntington Habitat for Humanity
- Mair City of Huntington Board of Code Appeals

### Wally Wilkes, Architect

### **CURRENT AND PAST POSITIONS:**

- Board Member West Virginia EXPO
- Freasurer and Director AIA West Virginia

#### Nate Randolph, Architect

### **CURRENT AND PAST POSITIONS:**

- Huntington City Council District 4 Councilman
- Chair Young Professionals Committee
- Commissioner Huntington Urban Renewal Authority
- Board Member St. Joseph Central High School Advisory Board
- Board Member Cabell Huntington Coalition for the Homeless

### Phoebe Patton Randolph, Architect

### **CURRENT AND PAST POSITIONS:**

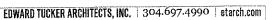
- France Chair AIA West Virginia Livable Communities Committee
- 3 Co-Chair Create Huntington, Citizen Engagement Committee
- Member Generation West Virginia, Economic Development Committee
- Member Accessiblility Committee for the Huntington Museum of Art

### Lisa Black, Office Manager

#### **CURRENT AND PAST POSITIONS:**

Board of Directors - Musical Arts Guild







# firm profile :: HERITAGE

Albert F. Tucker



Levi Johnson Dean



S. Brooks Dean & E. Keith Dean



Edward W. Tucker

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.



# 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 ComplexGymnasium 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

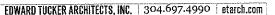
Distribution Center at the Tri-State Regional Airport

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

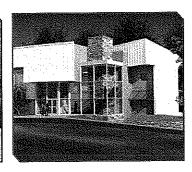




# firm profile :: FIRM EXPERIENCE







#### 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

> Tenant 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 GATHOLIC 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



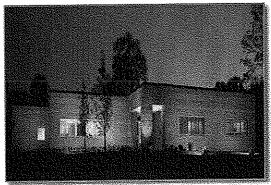




Offering Mechanical, Electrical, Civil and Telecommunication Consulting Engineering Services

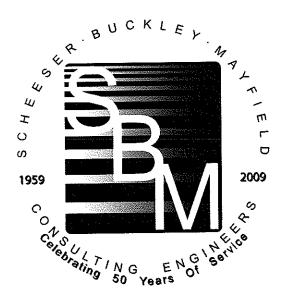
### ABOUT THE FIRM

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>	<u>Experience</u>
PRINCIPALS		
James E. Eckman, P.E.	President – Electrical Engineer	23 years
James P. Kulick, P.E.	Vice President – Civil Engineer	29 years
Michael P. Wesner, P.E.	V.P. Mechanical Engineering	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.	Principal – Mechanical Engineer	15 years
Vincent Feidler, P.E.	Principal – Mechanical Engineer	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

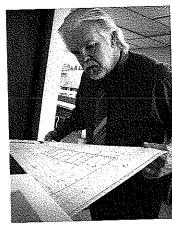
### firm profile

Randolph Engineering is a multi-disciplined consulting engineering firm in Teays Valley, West Virginia. The company recently celebrated 30 years of providing innovative engineering solutions to a variety of clients ranging from municipalities and government agencies to private land developers. Our success is the result of outstanding client service and satisfaction.

Our history

The company was founded by Roger and Grace Randolph in 1976, and from a modest beginning has grown into an award-winning regional engineering firm. Our attention to detail and commitment to client satisfaction have generated repeat and referral clients, some of whom have been with us since our inception.

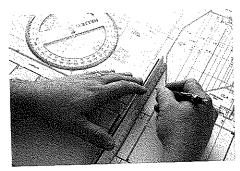
Roger Randolph maintains an active role as project manager on a variety of municipal, structural and land development projects. His wealth of knowledge and experience is a valuable asset to the company's next generation of engineers and designers.



Building on success

Randolph Engineering is situated in one of West Virginia's fastest-growing areas – a location that has afforded the opportunity to diversify into a full-service engineering firm. We offer an array of services including transportation engineering; municipal engineering; land development and surveying; structural engineering; building engineering; and construction engineering.

One of our keys to success is the reliability and stability provided by our employees' loyalty and longevity. Many of our staff members have worked with Randolph for more than 25 years, with a number of others approaching that milestone.



Our projects

Our variety of clients and engineering projects creates interesting and unique challenges for the engineers and designers at Randolph Engineering.

Some of our notable projects include the award-winning Jackson's Mill Bridge for the West Virginia Division of Highways; site improvements and plant expansions for Toyota Motor Manufacturing; complete renovation and expansion of the City of Hurricane wastewater treatment

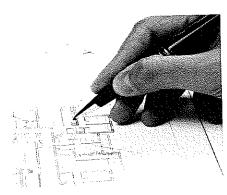
plant; site designs for some of the largest retailers in the United States; and site designs for large, single- and multi-family residential subdivisions, townhouses and apartment complexes, including a 250-unit gated community near Charleston, W.Va.

Looking to the future

Successful projects such as these and an unending commitment to client satisfaction paint a bright picture for our future. We look forward to the challenges that the next 30 years will bring.



### building design

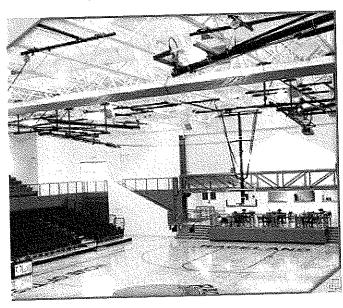




The design of pre-fabricated buildings is a niche that we have developed through the years by working closely with several building manufacturers. Our staff has provided unique solutions on a range of challenging building designs ranging from heavy industrial warehouses to churches. This extensive experience and successful working relationships with the manufacturer allows us to provide value as well as service to our clients.

We offer the following building design engineering services:

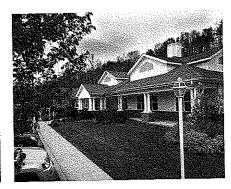
- Pre-Fabricated Building Design
- Framing Design
- Foundation Design
- Mechanical System Design
- Electrical System Design
- Plumbing Design
- Site Layout





### land development



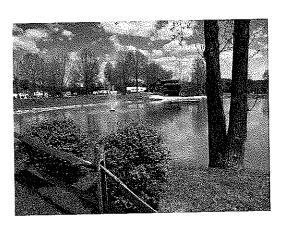


Randolph Engineering has guided many land development projects from the conceptual stage through final design, to construction. We provide engineering design services for residential, commercial and industrial developers as well as governmental agencies. Our talented and knowledgeable staff of engineers and designers work with local, state and federal regulatory agencies to ensure that all projects are in compliance and are designed in an efficient and cost effective manner.

We offer the following land development engineering services:

- Land Use Planning
- Single-Family Residential
- Multi-Family Residential
- Commercial Site Design
- Industrial Site Design
- Surveying
- Utility Design
- Site Grading
- Stormwater Management
- Erosion & Sediment Control Plans

From small 10 lot residential subdivisions to large townhouse developments, industrial parks to commercial sites we offer the experience and capabilities to deliver any land development project from idea to reality.





### municipal engineering





Water distribution, wastewater collection and storm water management are vital services to the quality of life for both residents and communities. Our focus is to provide cost effective and viable solutions to the problems many communities face in regard to these issues. In addition to the design of new water, wastewater and storm water systems, we also assist our clients with the planning and expansion of existing systems as well as providing solutions to alleviate storm water problems.

We offer the following municipal engineering services:

### **Water Distribution**

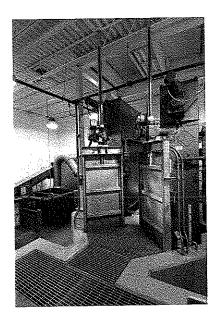
- Water Treatment Plant Design
- Distribution System Modeling and Design
- Pump Station Design
- Storage Facility Design
- System Rehabilitation and Expansion
- Permitting

### **Wastewater Collection**

- Sanitary Sewer System Design
- Treatment Plant Design
- System Rehabilitation and Expansion
- Permitting
- Pump Station Design

### Storm Water Management

- Hydraulic Modeling
- Open and Closed System Design
- Detention/Retention Design
- Permitting

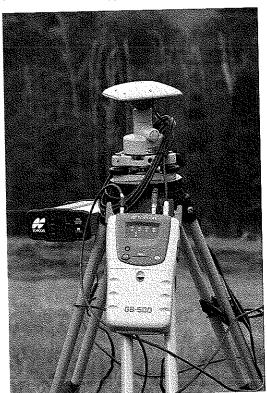




### surveying

Land surveying is the core of most if not all civil engineering designs. We offer fully equipped survey crews managed by professional surveyors and supported by an experienced surveying technical staff.

The use of state of the art GPS surveying equipment along with traditional surveying equipment gives us the flexibility to meet the needs of our clients by providing them accurate and useful information as a stand alone service or as support for the over-all design of their project.



We specialize in the following surveying services:

- Boundary Surveys
- Construction Layout
- Global Positioning Surveys (GPS)
- Land Title Surveys
- Topographic Mapping Surveys
- Aerial Mapping Control
- Elevation Certification
- Research
- R/W Plans
- Easement Plats

Randolph's surveyors utilize the latest technology to provide our clientele with the most accurate services possible.

Our surveyors also stay current with the latest trends by actively participating in professional organizations and continuing education programs.



# project team

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

EDWARD TUCKER ARCHITECTS, INC. Architect

SCHEESER, BUCKLEY, MAYFIELD, LLC Mechanical, Electrical, Plumbing & Telecommunication Engineering

RANDOLPH ENGINEERING CO., INC. Civil & Structural Engineering

Edward Tucker Architects, Inc., will have overall responsibility for the new Group Camp Dining Hall at Cabwaylingo State Forest in Dunlow, WV, with specific responsibility for client liaison, programming, schematic and design development oversight, construction documents, 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 manager 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 similar building types in the region. We have assurances from them that this project will be staffed with professionals who have collaborated with us before.



### 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 earning a Bachelor of Architecture degree 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 begin Edward Tucker Architects, Inc. through the acquisition of Dean and Dean Architects. The renewed firm continued its 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 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 serves on the Board of Directors of Huntington Federal Savings Bank, is on the Cabell County Historic Landmarks Commission and is active in the Huntingon Rotary Club. Past civic involvement includes the Tri-State Council - Boy Scouts of America, Beverly Hills United Methodist Church, Huntington Symphony Orchestra Board of Directors, City of Huntington Historical Commission, Huntington's Habitat for Humanity and Chair of the City of Huntington Board of Code Appeals. Edward resides in Huntington with his wife Lynn. Their son Christopher attends Case Western Reserve University.

#### FILLCATION

- 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

- Marican 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

> West Virginia → Kentucky → Georgia → Ohio → Tennessee (inactive)

### **CIVIC AFFILIATIONS**

- Huntington Federal Savings Bank, Director 2009 -
- **Cabell County Historic Landmarks Commission** 2008 2013
- 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, Historic Commission & Building Code Board of Appeals Chair 1997-1999



# project team :: NATHAN JON RANDOLPH, AIA



iathan Jon Randolph, AIA

Edward Tucker Architects, Inc. Project Architect Originally from Scott Depot, West Virginia, Nathan was raised in a construction and engineering oriented family. In keeping with this tradition, he chose architecture as a career path, graduating with high honors from the University of Tennessee with a Bachelor of Architecture degree in 1998. By the time that Nathan had completed his education at Tennessee, he had collected every honor and won all school sponsored architecture design competitions offered by UT's College of Architecture and Design.

After graduation, Nathan worked in Pittsburgh, Pennsylvania for a year on high profile projects such as the Aquarium at the Pittsburgh Zoo and the Jimmy Stewart Museum and Theater. He then spent a year working In Lewisburg, West Virginia on theater designs for Marquee Cinemas. In January 2000, he joined Edward Tucker Architects, Inc. and has since developed many successful projects and client relationships.

Nathan has diverse design experience in the commercial, industrial, pharmaceutical, health care, collegiate, and residential markets. Nathan resides in Huntington, West Virginia and is a parishioner at Saint Joseph Catholic Church.

#### **FDUCATION**

- University of Tennessee Knoxville, TN Bachelor of Architecture, 1998 Cum Laude
  - Pella Design Award 1996
  - East Tennessee AIA Integration Award 1997
  - ) Tau Sigma Delta Bronze Medal Senior Thesis 1998
  - Faculty Design Award Senior Thesis 1998
  - Dean's Letter of Excellence Senior Thesis 1998
- Poland International Study Krakow, Poland Architecture and Urban Design, Spring Semester 1997

#### **EMPLOYMENT**

- Daniel Lucas Hart Architect, Lewisburg, WV Architectural Intern 1999 - 2000
- Indovina & Associates Architects, Inc., Pittsburgh, PA Architectural Intern 1998 - 1999

### PROFESSIONAL EXPERIENCE

- B Holy Spirit Orthodox Church, Huntington, WV
  - Phase 1 Sanctuary
  - Phase 2 Social Hall
- Starbucks Coffee House Marshall University Huntington, WV
- Alcon Manufacturing, Huntington, WV
  - Phase 1 Clean Room Expansion
  - Phase 2 Production Expansion
  - Phase 3 Plant Rehabilitation
- Cabell Huntington Hospital Pritchard Dialysis Center Huntington, WV
- Douglass Center Historic Restoration/Rehabilitation of Douglass High School Huntington, WV
- Marshall University Forensic Science Center Phases 1-6 Huntington, WV

### PROFESSIONAL AFFILIATIONS

- American Institute of Architects, West Virginia Chapter
- Chair of the Young Professionals Committee, Huntington Regional Chamber of Commerce
- Current Council Membership City of Huntington

#### REGISTRATIONS

■ National Council of Architectural Registration Boards

West Virginia





# project team :: PHOEBE PATTON RANDOLPH, AIA, LEED AP



Phoebe Patton Randolph **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. In 2009, she became certified as a LEED Accredited Professional. Phoebe resides in Barboursville, West Virginia with her husband Justin and their son Benjamin.

🛮 **Pratt Institute** – Brooklyn, NY

Pre-College summer program in Architecture - 1994

University of Tennessee – Knoxville, TN

Bachelor of Architecture, 2000 Faculty Design Award - 2000

School of Architecture Letter of Excellence - 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 Mountain Bounty Kitchen, Huntington, WV

Shared Use Commercial Kitchen Facility

Joan C. Edwards School of Medicine, Marshall University, Huntington, WV Byrd Clinical Center, 80,000 sq. ft. Clinical & Education Facility ) Orthopedics & Neuroscience Department Renovations

**■ Cabell County Public Library** 

Salt Rock Public Library, Salt Rock, WV

**■ Huntington Museum of Art**, Huntington, WV Isabelle Gwynn and Robert Daine Gallery Addition

**■ Westminster House**, Morgantown, WV 140,000 sf Student Housing project pursuing LEED certification

### PROFESSIONAL AFFILIATIONS

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

■ Create Huntington, President, Board of Connectors

#### REGISTRATIONS

■ National Council of Architectural Registration Boards

West Virginia

■ Green Building Certification Institute, LEED AP



### project team :: HEIDI A. CAMPBELL



Heidi A. Campbell

Edward Tucker Architects, Inc. Interior Designer Heidi Campbell is an Interior Designer with professional design expertise 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 in 1995 as Project Coordinator for a major park expansion.

Since relocating to West Virginia, Heidi has had the opportunity to work with 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

### PROFESSIONAL EXPERIENCE

- Frankie D's Italian Chophouse Huntington, WV
- **© Chili Willi's Mexican Cantina**Huntington, WV
- Men's and Women's Varsity Basketball Locker Rooms Marshall University Huntington, WV
- **Elementary and Middle School St. Joseph Catholic School** Huntington, WV
- Marshall University Forensic Science Center Phase 6
  Huntington, WV
- NiSource-Columbia Gas Transmission / Space Planning Charleston, WV
- Marshall Univeristy Rural Health and Clinical Center Chapmanville, WV

### 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

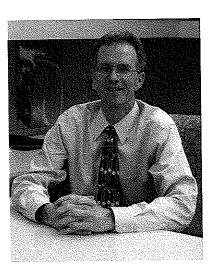


### MICHAEL P. WESNER, P.E., LEED AP, CBCP VICE PRESIDENT - MECHANICAL ENGINEERING

### 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<sup>™</sup> 2.0 Accredited Professional and a member of ASHRAE, ASPE, NFPA and IBC. In 2009, Mike received his Certified Building Commissioning Professional (CBCP) administered by the AEE (Association of Energy Engineers).

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

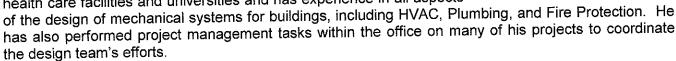
### PERSONAL RESUME

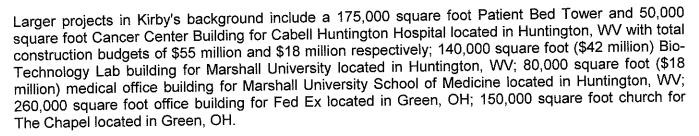
Mr. Stoller attended the University of Akron and received his Bachelor of Science in Mechanical Engineering, December 1999. Upon graduation, Kirby joined the firm of Scheeser Buckley Mayfield LLC. He passed his Professional Engineering License exam in April 2004.

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

ects
Plumbing, and Fire Protection. He





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:

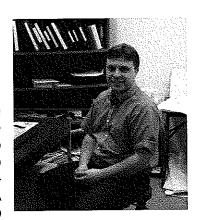
- 15,000 square foot Forensic Science Lab for Marshall University
- 15,000 square foot Dialysis Clinic for Cabell Huntington Hospital
- 28,000 square foot facility for St. Timothy's Lutheran Church
- 60,000 square foot office building renovation for the VA
- 60,000 square foot Raleigh County Judicial Center
- 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

### JOHN A. VARGA, E.I.T. MECHANICAL ENGINEER

### PERSONAL RESUME

Mr. Varga attended the University of Akron where he received his Bachelor of Science in Mechanical Engineering in 1997. He has attained his E.I.T. Certification.

During his senior year in college, he began his engineering career working for a precast concrete manufacturer. His responsibilities included the design, layout, production and installation drawings, and volume calculations of extended aeration sewage treatment plants and pump stations. This included the calculation of treatment design based on Ohio EPA and Ten-State Standard requirements. Plant design included antifloatation measures, tank capacities, effluent quality, and OSHA compliance. Equipment design included blower and motor sizing, pump



sizing, losses through piping systems, electrical requirements, flow measurement, and preparation of specifications.

Mr. Varga joined the consulting firm of Scheeser Buckley Mayfield LLC in May of 1999. Since joining the Plumbing Department, he has performed calculations sizing water lines, sanitary lines, booster pumps, water heaters, mixing valves, medical gas systems, and fire protection systems based on Ohio Basic Building Codes, National Fire Protection Association, and local county and city codes. He has been lead plumbing engineer on several large projects including Kent State University Residential Dormitories, Marshall University Dormitories, Jackson Strausser Elementary School, Heartland Behavioral Health Campus, University of Akron Dormitories, and Huttonsville Correctional Center. These projects included multiple buildings on a campus setting with centralized mechanical equipment plants and utility distribution loops.

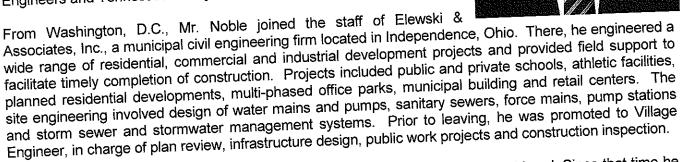
Mr. Varga is a member of the American Society of Plumbing Engineers.

### KEVIN M. NOBLE, P.E., LEED AP PRINCIPAL – CIVIL / PLUMBING ENGINEERING

### 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.



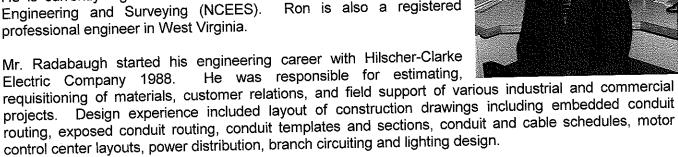
Mr. Noble joined Scheeser Buckley Mayfield LLC in early 1995 as a department head. Since that time he has participated and managed the design of numerous private and public civil and plumbing projects, including prisons, healthcare, utility companies, universities, municipalities, churches, schools and 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 State of Pennsylvania, 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.

# RONALD R. RADABAUGH, P.E., L.C. PRINCIPAL - ELECTRICAL ENGINEER

### PERSONAL RESUME

Mr. Radabaugh attended the University of Akron where he received his Bachelor of Science in Electrical Engineering in 1996. In 2000, Ron received his Professional Engineering license in the State of Ohio. In 2001, Ron received his Lighting Certification (LC) credentials from the National Council on Qualifications for Lighting Professionals (NCQLP). He is currently registered with the National Council of Examiners for Engineering and Surveying (NCEES). Ron is also a registered professional engineer in West Virginia.



In 2001, Mr. Radabaugh accepted a position at Pro-Tech Engineering as a Project Manager. He was responsible for all aspects and phases for multiple projects. He was also responsible for scheduling and supervision of project engineers and information (IS) personnel assigned to assist projects.

Mr. Radabaugh has joined Scheeser Buckley Mayfield LLC as an electrical engineer. He has been involved with a number of various commercial projects. Some major projects that have been designed includes a five story dormitory at the University of Akron utilizing both apartment style housing and dormitory housing, a level 3 biotechnology facility including an animal research area, two state of the art cancer center facilities, a large clinical education facility, and a six story hospital patient tower addition. Other types of projects have included renovation of an existing emergency department, addition of temporary emergency department, renovation of a physical therapy department, addition of a new operating room, addition of invitro-fertilization (IVT) laboratory, upgrade of existing hospital emergency distribution to include 10,000 amp paralleling gear, renovation of existing servery and dining facilities, and renovation and installation of multiple radiology equipment including X-ray equipment, CT scan, PET scan, and linear accelerators.

### résumé



Roger K. Randolph, P.E., P.L.S.

Design Engineer/Project Manager

**Experience and Qualifications:** 

Roger is an accomplished design engineer with more than 40 years of experience for a variety of civil, municipal, land development, structural and construction projects. His versatility, experience and wealth of knowledge provide valuable insight into possible pitfalls that may affect the success of any project. He is responsible for project management and design as well as leadership and mentoring of younger engineers on many projects in a range of disciplines.

His primary responsibilities include:

- Project Management
- Municipal Engineering
- Building Engineering
- Structural Engineering

### Representative Project Experience:

- Verizon Sales Building Structural Design
- Union Carbide Buildings Structural Design
- FAA Control Metering Building Colorado
- Toyota Engine Plant Building Expansions
- Parkline Manufacturing Facility
- Central Distributing Office Facility
- Hobet Mining Warehouse & Office Facility
- City of Hurricane W.W.T.P. Upgrade
- Town Center Parking Structure Inspection
- · Rhone-Poulenc Process Facility
- City of Hurricane Water Treatment Plant
- Massey Energy Headquarters W.W.T.P.
- Vienna, WV Water System Modeling
- Poplar Fork Storm and Flood Mitigation
- Eleanor, WV Industrial Park Site Design
- Arch Mineral Bridge over Buffalo Creek
- Beaver Creek Pedestrian Bridge

### Education:

B.S.C.E., Ohio University, 1967

### **Professional Societies:**

American Society of Civil Engineers National Society of Professional Engineers

- · GEF Corp. Fiberglass Walkway Bridges
- Hobet Mining #21 Bridge Inspection
- Harman Pony Truss Bridge QA/QC
- Beaver Creek Bridges QA/QC
- Grant Street Bridge Inspection
- Harding Street Bridge Inspection
- The Ridges at Rabel Subdivision
- Valley Park Expansion
- Foxfire Campground
- Standard Foods Industrial Complex
- Balanced Care Assisted Living Facility
- Sable Point Subdivision
- Quality Hardwoods Industrial Complex
- PM Enterprise, Inc. Industrial Complex
- Rite Aid Corporation Site Designs (40)
- Tasty Blend Foods Industrial Complex
- Bancroft Storm Water Management

### Registration:

P.E. – West Virginia, OH, KY, IN & IL P.L.S. – West Virginia



### résumé



Aaron C. Randolph, P.E. Design Engineer/Project Manager

### **Experience and Qualifications:**

Aaron is an experienced civil engineer with a focus on civil, bridge, structural and construction engineering projects within the private and public sectors in West Virginia, Kentucky, Ohio and Alabama. His experience has encompassed short to medium length bridge design, two-lane highway design, four lane highway design as well as multi-story building design, foundation design and construction engineering. He is responsible for all bridge, structure and building design projects for various state and local agencies as well as private developers.

His primary responsibilities include:

- Project Management
- Civil Engineering
- Structural Engineering and Inspection
- Construction Engineering

### Representative Project Experience:

- Mtn. State University Health Building
- WVDOT District 2 Maintenance Facility
- Little General Store Headquarters Building
- FedEx Distribution Facility
- Pathways Office Building KY
- Sleep Inn Motel
- Augusta Engineering Structural Foundations
- Ahern & Associates Construction Engineering
- Jodie Bridge over Gauley River
- William Ritchie Bridge Inspection Ohio River
- Marshall University Retaining Walls
- US Rte. 119 Reinforced Concrete Box Culverts
- Toyota Motor Manufacturing of WV
- US Rte. 60 Reinforced Concrete Box Culverts
- Peerless Brick and Block Retaining Walls
- Berkeley P.S.D. W.W.T.P. Structural Design
- Vinton Ohio W.W.T.P. Structural Design

### Education:

B.S.C.E., West Virginia Institute of Technology, 1992

### Certification:

N.H.I. - Bridge Inspection Team Leader

- DOW Chemical Bridge Inspections
- Grant Street Bridge Inspection
- · Harding Street Bridge Inspection
- Hobet Mining Bridge Inspections
- Twelvepole Creek Bridge
- Culloden Railroad Overpass Bridge
- WV 817/Winfield Road Widening
- Montcalm Arch Bridge over Bluestone River
- Martha Railroad Overpass Bridge
- Strange Creek Bridge
- Jefferson Avenue Bridge over Crooked Creek
- Patrick Street Bridge Inspection
- Yeager Airport Navigational Light Towers
- US Route 35 Henderson Bridge
- Cross Lanes I-64 Interchange Bridge
- KY 81 Bridge Inspection Over Green River
- I-64 South Charleston Bridge Retaining Wall

### Registration:

P.E. - West Virginia

### **Professional Societies:**

American Society of Civil Engineers (Former President of WV Section)



### résumé



Jacob C. White, P.E. Design Engineer/Project Manager

**Experience and Qualifications:** 

Jacob is an experienced civil engineer with a focus on land development and highway projects with state and local municipalities as well as private developers in West Virginia and Virginia. His experience ranges from residential, commercial and industrial site development projects to large highway design projects. He is responsible for engineering, hydraulic analysis and permitting for all land development and highway projects.

His primary responsibilities include:

- Project Management
- Land Development Engineering
- Structural Engineering
- Hydraulic Analysis Permitting
- Highway Engineering

### Representative Project Experience:

- Massey Energy Headquarters Site Design
- Verizon Sales Building Site Design
- Tractor Supply Store Site Design (2)
- Advance Auto Store Site Design
- Raceland High School Gym Structural Design
- Floyd County, Health Dept. Office Building
- Castleknock Subdivision Storm Water Design
- Copart, Inc. Facility Site and Permitting Design
- FedEx Distribution Center Storm Water Design
- Martha Railroad Overpass Bridge
- Grant Street Bridge Inspection
- Harding Street Bridge Inspection
- Strange Creek Bridge
- Jefferson Avenue Bridge over Crooked Creek
- **Hobet Mining Conveyor Inspections**
- US Route 52 Kermit, WV Bypass Bridges (3)
- Lucas County Ohio Bridge over Maumee River
- Cranberry Tri-River Rail/Trail Bridge

#### Education:

B.S.C.E., West Virginia Institute of Technology, 1997

#### Certification:

N.H.I. - Bridge Inspection Team Leader



- Culloden Railroad Overpass Bridge
- Montcalm Arch Bridge over Bluestone River
- Toyota Storm Water Analysis
- Kanawha Valley Fine Jewelry Site Design
- Upton Construction Co. Mobile Home Park
- Ruby Memorial Hospital Structural Analysis
- Blennerhassett Bridge Hydraulic Analysis
- DOW Chemical Company Bridge Inspections
- Abingdon, VA Federal Bldg. Perimeter Security
- Mouldegraph Corp. Engine Lifting Jig Design
- Walnut Bottom Bridge Hydraulic Analysis
- Simpson Creek Bridge USACOE 404 Permit
- CR 24 Bridge USACOE 404 Permit
- Innovative Design & Constr., Inc. Dam Analysis
- Hurricane Storm Water Management Planning
- Levisa Fork of Big Sandy River Hydraulic Analysis
- US Route 119/Turn Lane and Access Road
- Lucas County Ohio Bridge over Maumee River

### Registration:

P.E. - West Virginia, Virginia

### **Professional Societies:**

American Society of Civil Engineers

### résumé



Donald R. Hayes, P.L.S Surveyor/Project Manager

### Experience and Qualifications:

Don is an experienced land surveyor with a focus on land development and municipal projects with local communities as well as private developers in West Virginia. His experience ranges from property surveys to residential, commercial and industrial site and utility design. He is responsible for the management of our surveying department as well as various development projects.

His primary responsibilities include:

- Project Management
- Surveying
- Land Development
- Construction Administration

### Representative Project Experience:

- Castleknock Ridge Subdivision Design
- The Ridges Gated Community Design
- Toyota Storm Water As-Built Survey
- Putnam County Valley Park Expansion
- Bloomingdale Subdivision Design
- McJunkin Warehouse Site Design
- Hurricane Tackett's Branch Sewer Line
- Massey Energy Headquarters Site Survey
- Sable Point Townhouse Site Design
- Rite Aid Corporation Site Designs (40)
- Westover Estates Subdivision Site Design
- Buckeye Hope Foundation ALTA Surveys
- Standard Foods Facility Site Design
- Liberty Square Site Survey and Permitting
- Cartee Land Development Site Design
- Dismas Charities, Inc Site Design
- WV Capitol Complex As-Built Survey

### Education:

A.S. West Virginia Institute of Technology, 1971

#### **Professional Societies:**

West Virginia Society of Land Surveyors

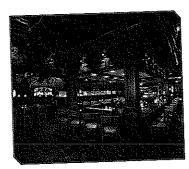
- Glen Oaks Subdivision Design
- Holiday Inn Express Site Design
- · Martha Bridge Surveying
- · Montcalm Bridge Surveying
- Beaver Creek Bridges Surveying
- Strange Creek Bridge R/W Plans
- Jefferson Avenue Bridge R/W/ Plans
- Bancroft Storm Water Management
- Elk Refinery ALTA Survey
- AEP Flyash Waste Area Control Survey
- Hurricane Tackett's Branch Water Line
- Hurricane Water Impoundment Soundings
- Hurricane Raw Water Storage Survey
- WV Route 817/Winfield Road R/W Plans
- Poplar Fork Storm Water Management
- Finney Branch Spillway Hydraulic Analysis
- · Buffalo Storm Water Outfall Project

#### Registration:

P.L.S. – West Virginia



# relevant experience :: DINING AND FOOD PREPARATION



## Frankie D's Italian Chophouse

Huntington, West Virginia

Frankie D's Italian Chophouse commissioned Edward Tucker Architects, Inc. to design and oversee construction of a new 7,000 sf restaurant located at Pullman Square in downtown Huntington, WV. The restaurant features all original design work from the logos to a wealth of interior wood and stone detailing. Complimented by ETA's own interior designer and Paris signs graphic department, Frankie D's is one of the premier restaurant establishments in the region.

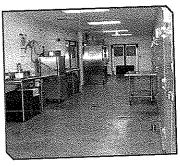


### Chili Willi's

Huntington, West Virginia

Chili Willi's, a Huntington dining institution, hired Edward Tucker Architects, Inc. to design their new restaurant as they moved to a new location. The project included an addition to allow for the installation of the kitchen and support spaces, as well as interior design of the dining areas, bar and an enclosed porch for outdoor dining. The porch has large garage doors that can be opened in warm weather, but is also heated to allow for year round use. The interior

of the restaurant is accented in bright colors and the owner's collection of Mesoamerican objects



# Mountain Bounty Kitchen - Unlimited Futures, Inc.

Huntington, West Virginia

Mountain Bounty Kitchen consists of a USDA approved kitchen, an FDA approved kitchen, warehouse space and an adminstrative area. Edward Tucker Architects, Inc. performed Construction Administration on both phases of the project, and designed Phase Two of the project, which consisted of kitchen equipment, the HVAC system, and a refrigeration system for the walk in freezers

and coolers. The facility is equipped with a bottle filling line, blast chiller, several walk in freezers and coolers and a range of other equipment that can be used to mass produce products. Tenants can lease the kitchens on an as needed basis to produce their recipies or run catering businesses.



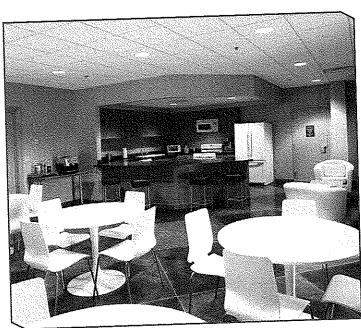
# relevant experience :: EMPLOYEE DINING



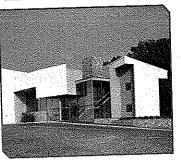
Office Building for Darco International, Inc.

Huntington, West Virginia

Darco International, Inc. manufactures and distributes rehabilitative footwear for the healthcare industry. Darco's existing distribution warehouse is on the edge of a large industrial park that faces a tree-lined boulevard and scenic park. After considering the long term growth and future plans for the company, Edward Tucker Architects, Inc. was retained to design an 11,000 s.f. office building addition to the distribution facility to serve as their United States headquarters. The project serves as a much needed "face lift" to the industrial site while giving Darco's employees a pleasant office environment in which to work. Careful attention was given to opening the interior to views of the park utilizing panoramic windows and earthen materials. Skylights wash the interior with natural light creating an airy feel. A conference room and staff lounge open up to an outdoor covered patio with views of the trees and park.

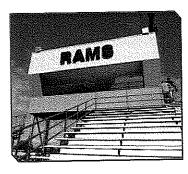








# relevant experience :: RECREATION

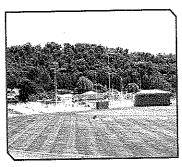


### New Stadium Pressbox for Raceland -Worthington High School

Raceland, Kentucky

After completion of the Raceland-Worthington High School Cultural Arts and Athletic Complex, the Raceland Worthington School Board commissioned Edward Tucker Architects, Inc. to design a new stadium pressbox for the high school football field. The new pressbox is centered on the 50 yard line of the field and is a replacement of the school's existing pressbox to the east. The steel structure

ture's two color synthetic stucco finish is designed to harmonize with the newly constructed auditorium and gynasium to create a visually cohesive campus. The south facing pressbox is designed with a slight overhang that minimizes glare and provides shading from the sun. The design also includes a roof top observation deck for video recording athletic events.



### Sue Morris Sports Complex

Glenville, West Virginia

The Sue Morris Sports Complex contains three baseball/softball fields, a basketball court, a sand volleyball court, a walking trail and two facility buildings consisting of public toilets, press boxes, concessions, equipment rooms and a meeting room. The fields are being used by the Gilmer County Little League and the Gilmer County High School Baseball and Softball teams. A large courtyard is designed to serve as a play area between the fields, as well as a picnic

gazebo for family gatherings. The project site, including parking, is approximately 12 acres.

### Shelter and Restroom Facility at Harveytown Park for the Greater Huntington Parks and Recreation District



Huntington, West Virginia

The Greater Huntington Parks and Recreation District began developing a 2-acre park in the Harveytown neighborhood in Huntington and asked Edward Tucker Architects, Inc. to design the structures. Special emphasis was given to representing the historical legacy of this former farming community through architecture, while creating a gathering space for the neighborhood. The 4,000 sf outdoor pavilion and 1,000 sf of covered picnic shelter are designed for universal access, as is the 900 sf restroom building. A future walking/bicycle trail is planned to connect Harveytown Park to the existing Memorial-Ritter Park trail system. Mark Blumenstein, a West

Virginia sculptor, designed and fabricated a weather vane for the restroom building cupola, lending a quirky and fun interpretive feature of the community's rural heritage.



# relevant experience :: student housing



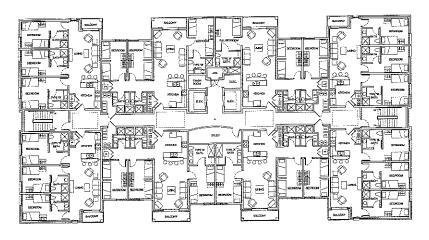
### Westminster House - Student Housing Community First Presbyterian Church of Morgantown

Morgantown, West Virginia

Westminster House is a unique development that will provide faith-based student housing adjacent to the West Virginia University campus. The project also accommodates growth of the Presbyterian Child Development Center, a 25 year old program that provides daycare in the community through the First Presbyterian Church of Morgantown.

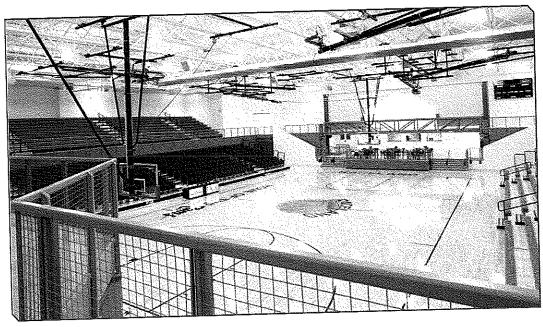
Two six story buildings are connected at the ground floor by a large multi-purpose space and commercial kitchen that can be shared between the new daycare facility and the Presbyterian Campus Ministry Center. The upper stories of each building consist of eight student apartment suites on each floor. Each suite has an open living, dining and kitchen area as well as laundry facilities. All bedrooms can accommodate double occupancy and have a private bath, for a maximum of 470 beds.

Edward Tucker Architects is designing the project for LEED Silver certification. Having worked closely with the City of Morgantown's Planning Department, ETA successfully navigated the Planned Unit Development process with the P.U.D. application being granted by the City Council in December 2008.





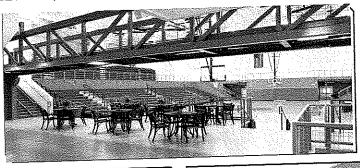
# relevant experience :: ACADEMIC

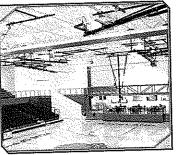


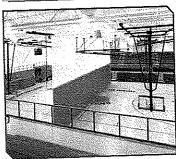
Gymnasium Addition to Raceland Worthington High School Cultural Arts and Athletic Complex

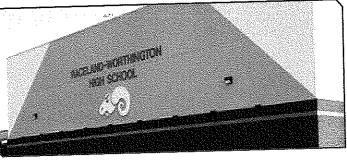
Raceland, Kentucky

Phase One of the Complex includes a 32,000 sf Gymnasium with a mezzanine level, capable of a total seating capacity for 2,000 people. A concessions area with food court and lobby serve as a connector to the existing high school, while allowing plenty of room for socializing at events. The flexibility of the space allows the food court area to also serve as a stage for the gym in ceremonial events. Located under the mezzanine levels on each side, a total of four separate locker/showering facilities are provided. Other features include automatic collapsible seating, 6 regulation goals, a divider curtain, volleyball net, and a jogging track at the mezzanine level with a bridge over the food court. In the end, Edward Tucker Architects, Inc. has designed an athletic facility that sets a new standard for other schools in the region.











# SCHEESER BUCKLEY MAYFIELD LLC

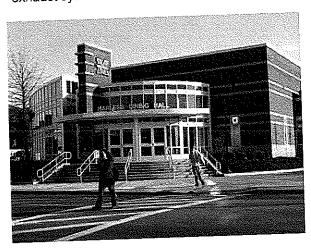
### PROJECT EXPERIENCE

Marshall University Student Housing and Dining Hall – 2001 Huntington, West Virginia

This project consists of four (4) 40,000 sq. ft, 4-story residence hall buildings. residence halls are of the "suite" type Residence halls contain arrangement. suites which contain two 2-bedroom suites, four single bedroom suites and four 2-bed type suites. The residence hall buildings are state-of-the-art with all of the amenities, including air conditioning, data ports for local campus internet and internet access, as well as a fire protection system installed throughout the facilities. The HVAC system for the building consists of a four-pipe fan coil system with perimeter hydronic heat. The building also has a central ventilation



system which provides mechanical ventilation to all spaces within the building as a central toilet exhaust system.

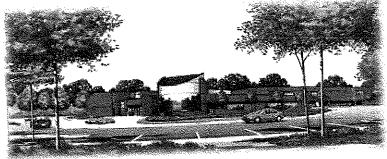


The dining hall facility is an 18,000 sq. ft. building housing a full kitchen, state-of-the-art serving area, meeting rooms and exercise room. The HVAC system for this facility consists of custom roof-top heating and cooling equipment.

The buildings were designed to comply with the West Virginia Fire Code, NFPA, the BOCA codes and ASHRAE Standard 90.1.

Northeastern Ohio Universities
Colleges of Medicine & Pharmacy Conference Center - 2000
Rootstown, Ohio

Scheeser Buckley Mayfield LLC provided mechanical and electrical design services for a new 30,000 square foot conference center connected to the Northeastern Ohio College of Medicine. This building contains conference rooms,



meeting rooms, a full kitchen and catering facilities, cafeteria dining, executive dining and business offices. The facility was built to provide the conference and banquet facilities found in a first class hotel, and is an extremely attractive building. HVAC systems include state of the art digital controls systems and stainless steel exhaust systems for the kitchen areas. The extensive plumbing systems accommodate all the state of the art kitchen equipment. Electrical systems include dimmable lighting designed to accommodate the movable partitions in the conference areas, CCTV system, full CAT 5 telecommunications systems and attractive accent lighting.

### Sumner on Ridgewood New Facility - 2002 Akron, Ohio

Scheeser Buckley Mayfield LLC provided mechanical, electrical, civil and telecommunication engineering services for a new 240,000 sq. ft. facility. This facility consists of a variety of different use buildings located within a gated community. The different building types consists of a 3 - story - 100,000 sq. ft. Apartment Building, 9,000 sq. ft. Parking Garage, 26 + single story duplex/quad Condominiums, 4 - 20,000 sq. ft. interconnected Skilled Nursing buildings, and a 38,000 sq. ft. Manor House which included a full prep/serving kitchen, dining areas, salon, multi-purpose room, fitness area, locker rooms, and pool house. Fire protection design included a main fire pump house for a 150 hp fire pump which was used to increase city water pressures and serve the entire campus, eliminating the need for a fire pump in each building. Plumbing design includes a main domestic water booster system which is used to increase city water pressures and serve the entire campus. The increase in



water pressure allowed for the size of the domestic water piping to be substantially reduced, resulting in a substantial cost saving to the owner. HVAC system for the Manor House consists of 2 – VAV air handling units with hydronic heating and cooling. Heating water and chilled water is produced by packaged boilers and an air cooled chiller. The Pool House is equipped



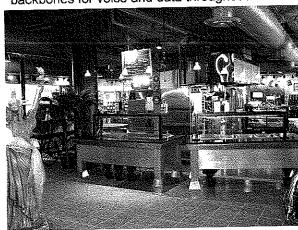
with a dedicated dehumidification/ventilation system. HVAC system for the Skilled Nursing Building consists of a dedicated outdoor air handling unit with DX cooling/gas fired heating for ventilation. Steps were insure taken the outdoor air to dehumidified/humidified at all times to ensure proper building comfort from a humidity standpoint. Multiple packaged terminal air conditioning unit and DX furnaces are used for individual temperature control. HVAC system for the Apartment Building consists of a dedicated outdoor air handling unit with DX cooling/gas fired heating for ventilation. packaged gas heat/DX cool air conditioning units and DX furnaces are used for individual temperature HVAC systems for the Condominiums control. consists of DX furnaces. HVAC system for the Parking Garage consists of variable speed exhaust fans equipped with carbon monoxide sensors which vary the speed of the exhaust fans based on carbon monoxide levels.

### The University of Akron New Student Center - 2001 Akron, Ohio

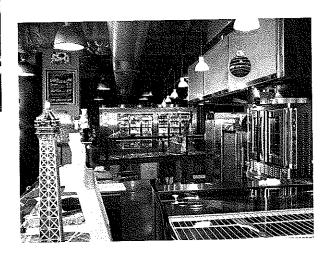
Scheeser Buckley Mayfield LLC designed HVAC and electrical systems for the new 200,000 square foot Student Center on the University of Akron campus. Notable features of the building include a food court with marketplace dining concept, a large banquet facility, several large conference rooms, a theater, a bowling student and offices for alley, Highly precise organizations. preparation and demolition packages were designed to permit re-routing of essential power and high-temperature water services with few interruptions to the remainder of the campus. Other



design activities included a smoke exhaust system and a life cycle cost analysis of several temperature control designs for the University to consider. The building is primarily heated and cooled using three-deck multi-zone air handlers which utilize campus heating water and chilled water. HVAC and lighting systems were carefully selected to blend aesthetically with architectural statements throughout the building. The electrical design included a 4160 volt, 600 amp substation and several unit substations reducing the voltage to 480 volts. Numerous switchboards, panelboards, and motor control centers were also included in the design. The building communications design incorporates both category five and fiber optic cable backbones for voice and data throughout the building with terminations in all the rooms. Eighty-



two different style light fixtures and two dimming systems were used to assure proper lighting throughout this multi-use building. A 600 kW diesel generator, two transfer switches and associated panelboards are included as part of the building emergency electrical system.



# St. Mary's Correctional Facility Dining Hall Additions and Renovations - 2004

The project consisted of 2500 sq ft of new additions for the expansion of the existing dining room and storage spaces. The existing 8800 sq ft building that contained a dining room, kitchen, offices, and storage space was renovated. The HVAC design involved the installation of a rooftop unit to serve the new and existing dining room. Ductless split system heat pumps were installed to serve existing office spaces. Packaged terminal air conditioning units were used in the storage rooms. Plumbing design involved relocating site storm piping to accommodate the additions. A restroom was added to the building, one existing restroom was renovated, and a new water service was installed under the project. A dry pipe fire protection system was installed under the project as the existing building was not sprinkled. The system required a new fire service entrance and associated dry pipe system trim. New 2x4 acrylic lighting was installed in the kitchen and dining areas. A new 600A, 208/120V,3-phase,4W MDP was designed and fed from the existing MDP. This new MDP then backfed branch circuit panelboards, along with a new 200A, 120/208V,3-phase,4W panelboard, which fed new mechanical loads along with some branch circuits for lighting and receptacles. The new HVAC unit was also fed from this panelboard. New kitchen equipment was fed from existing panelboards. A new fire alarm system was installed throughout the new space. New telecommunications was provided in the new space, along with tying existing campus buildings together.

### West Virginia Department of Corrections Denmar Correction Kitchen/Dining- 2008

The project consisted of the addition of a **new kitchen area along with a staff dining** area, restrooms, office and a few storage rooms. New 2x4 acrylic fixtures were provided throughout the space with general strip fixtures in storage rooms. New smoke detectors were installed along with fire alarm audio/visual devices throughout the space. The existing electrical service was revised in order to upgrade the existing system to be code compliant. A new 400A, 240V/3 phase/3 wire MDP was installed and the existing kitchen area panelboard was back-fed from the new distribution system. A new 250A, 240V/3 phase panelboard was installed to feed the new 3 phase kitchen equipment loads, along with a new 200A, 120/240V, 1 phase panelboard to feed the 1 phase loads. The new distribution system also back-fed existing 240V, 3 phase loads and existing 120/240V, 1 phase loads, through a 75KVA transformer.

### Camden-Clark Memorial Hospital South Addition - 2004 Parkersburg, WV

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 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 the 180,000 square foot South Addition. This building houses 11 new surgeries, an endoscopy suite, central sterile, pre-and post surgical support areas, an intensive care and critical care unit, and a **8,600 sq. ft. full service kitchen/serving and 2,900 sq. ft. 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.

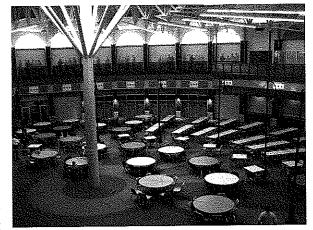
# Kent State University Eastway Center Renovation - 2001 Kent, OH

The Eastway Center Dining facility serving four surrounding dormitories was renovated. Scheeser Buckley Mayfield provided engineering services including the design of a chilled water and steam piping extension from the main campus loop, new pumping systems for chilled water, steam, and condensate for the **renovated dining hall** and new air handling and ventilating systems to meet current ventilation code. The project also included the design of exhaust hoods and makeup air systems for the kitchen and servery areas as well as digital temperature controls. The electrical design included the extension of the 13.2KV campus electrical loop to a pad-mounted stepdown transformer at 480/277V electrical service. The entire electrical system within the building was replaced and all kitchen equipment design was performed. In addition, the entire telecommunications system was designed including a wireless access system for student usage. Construction period services were also provided and record drawings assembled.

### Jackson LSD Local School 2004 High School Add/Reno - 2007 Massillon, Ohio

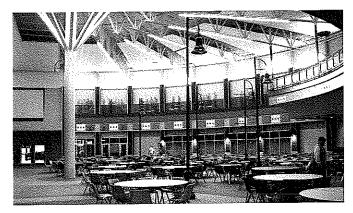
Before the project started Jackson High School was a 300,000 sq. ft. building housing 10<sup>th</sup> -12<sup>th</sup> grades. The project consisted of two major building additions and the renovation of the entire existing building. The first addition was a 150,000 sq. ft. classroom wing with school offices, a cafeteria, a library/media center and a kitchen. The second addition was a second auxiliary gym and weight room.

The central plant systems of the building were replaced and now include a new 20,000 MBH hot water boiler plant that



consists of 10 modular non condensing boilers with a primary/secondary pumping system. The modular boiler system is anticipated to save the school 15% of the heating energy over the steam system it replaced. The building chilled water system utilizes two existing 300 ton water cooled centrifugal chillers along with cooling towers and two new 300 ton air cooled centrifugal chillers. The chilled water piping system uses a primary/secondary pumping system with two secondary pumps on variable frequency drives. Each chiller uses its own constant speed primary pump with a piping system that allows each pump to be used for each chiller.

The building additions are heated and cooled by four VAV air handling units with VAV boxes with reheat coils and radiant panels for perimeter heat and one constant volume unit with reheat coils. The VAV units serve the classroom, office and cafeteria spaces and minimize the amount of fan energy required to condition these spaces. The constant volume unit serves the two kitchen areas. The air handling units utilize the chilled water and heating water from the central plant. The ductwork system was designed to reduce noise levels in the classrooms through the use of sound attenuators and ductwork design.



The renovations are heated and cooled by a combination of existing and new air handling units. The classroom spaces are served by 4 existing air handling units that are being renovated to accommodate the new loads. The existing units have been retrofitted to accommodate new chilled water coils and new supply and return fans. The main gymnasium is served by two new constant volume air handling

units. The new auxiliary gym weight rooms are served by a new VAV air handling unit located in the gymnasium. The locker room areas are served by a new constant volume air handling unit with a runaround loop heat exchanger.

A new Novar direct digital temperature control system was installed to control the HVAC systems and for an energy management system.

Two new water-to-water domestic water heat exchangers have been installed to provide domestic hot water to the building via an electronic mixing valve installed in the boiler room. The mixing valve provides 120 degree water to the building with multiple secondary mixing valves installed to serve the shower areas and point of use mixing valves installed at all public lavatories.

A new fire protection system including a new fire pump installed in the mechanical room. The system includes standpipes for the additions and sprinklers throughout.

A new time based lighting control system was installed in the addition and renovation. This time based control system enables the school to program the lighting as needed and to control the lighting from an outside computer over the internet. Direct/indirect lighting with energy efficient T5HO lamps was designed for the classrooms, along with 2x4 RT5 fixtures in the office areas. Occupancy sensors were installed in classrooms, enabling the lighting to turn off when the space is unoccupied, increasing energy savings. Pendant lighting and track lighting were provided in areas such as the cafeteria and café, along with specialty lighting for the lecture hall and galleria areas.

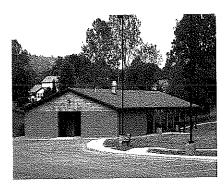
Special systems in the building include a new digital VoIP phone system along with a new addressable fire alarm system.

### Additional Experience:

Muskingum Area Technical College Dining Hall
West Virginia Tech Student Center Dining Hall Remodel
Cabell Huntington Hospital Cafeteria Remodel
Wooster Community Hospital Kitchen and Dining Renovation
Altercare Assisted Living Campus
BF Goodrich, Inc. - Corporate Headquarters
Multi-County Juvenile Attention Center
St. Elizabeth Health Center - New Hospital in Boardman, Ohio

### Valley Park Expansion

Putnam County, West Virginia





#### Client

Putnam County Parks & Recreation Commission #1 Valley Drive Hurricane, West Virginia 26261

### Contact

Mr. Cordie Hudkins 304,562,0518

#### Nature of Work

The Putnam County Parks and Recreation Commission partnered with Randolph Engineering to develop plans for the expansion of Valley Park. The first phase of this project involved the initial study, design and preparation of contract plans and related documents for the expansion of the Park to include a recreational trail system.

The project scope included the design of recreational trails proposed for use by visitors and outdoor enthusiasts. Approximately one mile of trails were designed and constructed for this project. The trail system included multiple pedestrian bridges, trail lighting, benches and landscaping.

The second phase of the original project included an expansion of the original trail system by approximately one-half of a mile including four bridges as well as an expansion of the park to include a multi-purpose athletic field, multiple picnic shelters as well as one large fully equipped shelter. In addition to these facilities the project included various game areas, a playground and landscaping.

General site design requirements included parking areas and lighting as well as water distribution and sanitary sewer infrastructure.

Surveying services included, boundary surveys, field mapping for design purposes and construction layout.

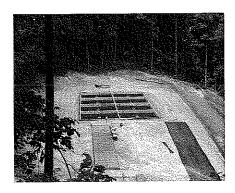
### Key Personnel

Project Manager - Donald R. Hayes, P.L.S.



## **West Virginia Division of Natural Resources**

Babcock and Pipestem State Parks



### Client WVDNR 1900 Kanawha Boulevard East Building 3 Charleston, West Virginia 25305

Contact Mr. Brian Carney, P.E. 304.558.9125

#### Nature of Work

Outdated systems and escalating maintenance costs led the West Virginia Division of Natural Resources to contract with Randolph Engineering for the design of 3 new packaged treatment plants at two of West Virginia's state parks.

The project scope included the design of the following systems:

- 1000 GPD Puraflo Peat Biofilter Sysytem for Babcock State Park Administration Building
- 10,000 GDP ASHCO RSF System for Babcock State Park Campground
- 10,000 GPD Economy Tank System for Pipestem State Park

Additional services included preliminary engineering studies, field surveying, mapping, control survey and construction inspection.

### **Key Personnel**

Project Manager – Roger K. Randolph, P.E. Designer – Stacey Call, S.I.



## West Virginia Department of Natural Resources

Summers County, West Virginia



Client **WVDNR** 1900 Kanawha Boulevard East Building 3 Charleston, West Virginia 25305 Contact Mr. Brian Carney, P.E. 304.558.9125

### Nature of Work

As part of their plans to upgrade the facilities at Bluestone State Park, the State contracted with Randolph Engineering to provide topographical surveying services for two areas of the park.

Our scope of work included topographic base mapping for the campground as well as the swimming pool / recreational complex. The scope of the mapping included all utilities and storm water structures and features as well as existing planimetric features such as roads, buildings, parking, landscaping and above ground utilities such as electric and telephone pole and lines.

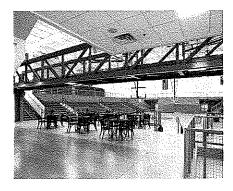
### Key Personnel

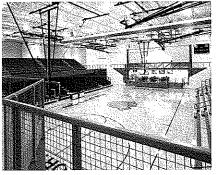
Project Manager - Donald R. Hayes, P.L.S. Coordinator - Stacey Call, S.I.



### Raceland H.S. Gymnasium Addition

Raceland, Kentucky





### Client Edward Tucker Architects, Inc 916 Fifth Avenue, Suite 208 Huntington, West Virginia 25701

Contact Edward Tucker, AIA 304.697.4990

#### Nature of Work

Project involved the design of the structural framing and foundation system for the addition of an all purpose gymnasium to the existing school building. The two story facility utilized an open web steel joist framing system supported on a combination of masonry walls and steel columns.

A unique and challenging feature of this project was the inclusion of a 60' indoor pedestrian bridge that was used to frame the entrance of the playing arena.

Additional responsibilities included shop drawing review and construction consultation.

### **Key Personnel**

Project Manager – Aaron C. Randolph, P.E. Design Engineer – Jacob C. White, P.E.



### **Ayash Sports/Townhouse Complex**

Kanawha County, West Virginia





# Client Wiseman Construction Company 1616 Sixth Avenue Charleston, West Virginia 25312

Contact Mr. John Wiseman President 304.344.1200

#### Nature of Work

Shortly after being awarded a project for a combination sports complex and townhouse development, Wiseman Construction Company contracted with Randolph Engineering to provide site design services for a 2 acre parcel located in St. Albans, West Virginia.

The project involved the study design and preparation of contract documents for the site design including preliminary and final grading, parking layout, storm water management, lighting, pavement design, utility design as well as securing all necessary state and local permits.

Surveying services included boundary survey, horizontal and vertical control, topographic mapping for design purposes and construction stakeout.

### Key Personnel

Project Manager - Jacob C. White, P.E.



### **Dollar General Store**

Kanawha County, West Virginia



Client LandVest USA, LLC P.O. Box 1513 Charleston, West Virginia 25325

Contact Mr. William Ellis 304.345.8816

#### Nature of Work

LandVest USA contracted with Randolph Engineering to provide site development, permitting and structural engineering services for a new Dollar General Store located in Charleston, WV.

The structural portion included foundation engineering, reinforced concrete design, wall structural framing design as well as roof truss framing design for this new single story 10,000 square foot building. Site development responsibilities included preliminary and final grading, parking layout, permitting and storm water management.

### **Key Personnel**

Project Manager - Jacob C. White, P.E.

#### Architect

Associated Architects



# References WV ARMY NATIONAL GUARD – USPFO AND WAREHOUSE



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

### Project References for which Edward Tucker Architects provided similar services:

### West Virginia Army National Guard

Charleston, WV

LTC William Suver Construction & Facilities Management Office (304) 561-6454

### Joan C. Edwards School of Medicine at Marshall University

Huntington, WV

Jim Schneider Senior Associate Dean for Finance & Administration (304) 691-1720

#### **Cabell Huntington Hospital**

Huntington WV

Brent A. Marsteller President and CEO (304) 526-2052 Jim Taylor Construction Manager (304) 526-2038

### **Cabell County EMS**

Huntington, WV

Gordon Merry Director (304) 526-9797

## Greater Huntington Park and Recreation District

Huntington, WV

James McClelland, CPRP Director/Secretary (304) 696-5954

### Marshall University

Huntington, WV

Ron May and Mike Meadows (retired) Director of Facility Planning & Management (304) 696-6415

### Project References for which Scheeser, Buckley, Mayfield, LLC provided similar services include:

### Northeastern Ohio Universities Colleges of Medicine and Pharmacy

Rootstown, OH

Blaine Wyckoff Director of Physical Plant (330) 325-6191

### The University of Akron

Akron, OH

Dave Pierson Director, Architectural Services & Capital Planning (330) 972-6297

### Project References for which Randolph Engineering provided similar services include:

G&G Builders, Inc.

Scott Depot, WV

Floyd County Health Department

Floyd County, KY

Mr. Gary Young President (304) 757-9196

Mr. Mike Davis

Vice President/General Mgr.

(304) 757-9196

Ms. Thursa Sloan (304) 552-1782 COMMUNITY

SOLID

QUALITY DESIGN

LISTEN

SERVICE

**IDNAL RESPONSIBILITY** 

REFLECTION

ARCHITECTS

CAPABILITY

CONSIDER

QUALITY PROJECTS

SULTONATRADITION

BEAUTY

ARCHITECTURE

CREATIVITY

BALANCE

MUTUAL TRUST

SHARED IDEAS

LASTING VALUE

SYNTHESIS

COMMUNITY

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SOLID

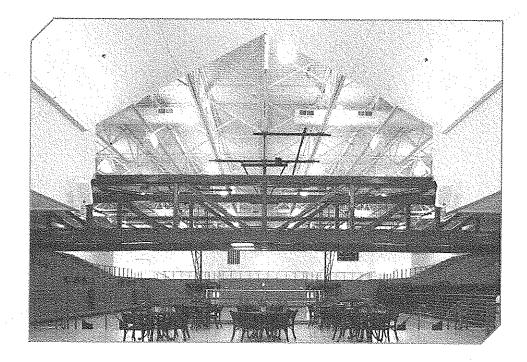
QUALITY DESIGN

LISTEN

SERVICE

INAL RESPONSIBILITY

REFLECTION



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