



30 May 2013

WV Army National Guard
Division of Engineering & Facilities
Armory Board Section
1707 Coonskin Drive
Charleston, WV 25311-1099

05/30/13 09:57:59 AM
West Virginia Purchasing Division

RE: DEFK13010
Expression of Interest
WVARNG MEDCOM Facility

Gentlemen,

It is a pleasure to submit our expression of interest in providing architectural and engineering services for the proposed Medical Command Facility for the West Virginia Army National Guard. While we do not have a long list of National Guard facilities, I believe our recent experience on the New Readiness Center in Moorefield speaks well of our ability to work with the CFMO personnel from initial design, into construction documents, and through the construction administration phase of a project. It is these same methodologies, attention to detail, and complete construction documentation we utilize on all of our projects regardless of client or project type.

While the Moorefield Readiness Center was our first Guard facility, your MEDCOM Facility Build-Out Design would not be our first health care project. Previously as architects with Clint Bryan & Associates, we provided services for Summersville Memorial Hospital, former South Charleston Community Hospital, St. Francis Hospital One-Day Surgery and Medical Office Building, and Pleasant Valley Hospital Doctor's Building. As Bastian & Harris, we have continued to serve the health care community by providing Pleasant Valley Hospital with a new Hydro-Therapy Facility, new Emergency Services and Laboratory renovations, modifications to OB/Surgery Suite and Radiology Suite, and expansion to the Admissions and Lobby Areas. Also, we recently completed a new In-Patient Care Facility for Hospice Care at Thomas Memorial Hospital, and are presently completing construction documents for a new In-Patient Care Facility in Lewisburg. Other facilities include Mountaineer Imaging Center in Charleston, new Endoscopic Suite for the Greenbrier Clinic in White Sulphur Springs, and office space for Herman Eye Center. All of these health care facilities required close work with the West Virginia Office of Health Facility Licensure and Certification (OHFLAC)

We do not however work on these projects alone. For the mechanical / electrical / plumbing engineering on the project, we have selected Scheeser Buckley Mayfield from Uniontown, Ohio. While you have not worked with them, they have worked on several Guard and Reserve facilities in Ohio and Pennsylvania. We have utilized their services on a considerable number of projects throughout West Virginia. Their vast experience in health care includes projects for Marshall University Medical School, Cabell Huntington Hospital, Thomas Memorial Hospital, Camden Clark Hospital, and St. Mary's Hospital. Other projects include King's Daughters Medical Center in Kentucky, and the Cleveland Clinic, Akron General Medical Center, Medina General Hospital, all located in Ohio. Their understanding of requirements for air exchange, med gases, med gas distribution, clinical palming requirements, and electrical will ensure that services are provided consistent with all applicable codes and standard of care for health care facilities. We have continued to be impressed with their thoroughness in providing complete construction documents and thorough follow through during construction administration phase of the projects. SBM continues to provide the bulk of our HVAC and electrical designs including all work for Marshall University, including the Applied Engineering Complex and Hospice In-Patient Care Facility at Thomas Memorial Hospital.

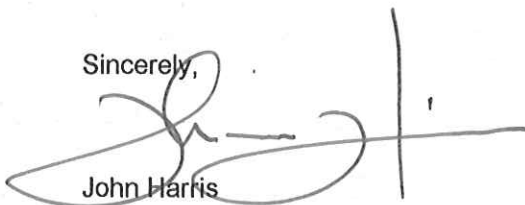
Since this project appears to be an interior renovation, we have not featured structural or civil engineering as specific consultants in this EOI. Should it be determined that these services are needed, we would propose to work with Schaefer Associates from Cincinnati, Ohio for structure and Capitol Engineering of Charleston for civil. Schaefer has worked with us on numerous projects for Marshall University, along with most of our health care clients. We have found their understanding of existing structural systems and ability to analyze economical solutions for required modifications to be quite beneficial in maintaining not only structural integrity but also tight budget control. Capitol Engineering has a long track record of providing quality engineering services for the Guard throughout the State. We would again add them to our team if civil engineering is needed.

Our approach to your project is simple. We would first sit down with users of the facility and establish a program delineating the present functional deficiencies and space needs within the facility. Our experience in health should help translate into a very efficient and functional conceptual plan. Understanding the needs for clinical space, clean and soiled utility, and storage in the private sector should allow us to turn a completed schematic for approval in a timely fashion. During this phase it is important to carefully consider project scope and construction cost estimate and then marries to project budget. Our experience in the private sector with health care should translate into tight budget controls and thorough construction documents. Previous experience in maintaining Owner budget on the Moorefield project as well as understanding real world costs for health care construction should help ensure the most competitive bids possible.

We believe the key to successful projects remains a continuity of personnel. The firm principals who interview for the job continue in the initial programming, schematics, design development, and participate or oversee all facets of construction document preparation. In addition, it is these same personnel who perform the construction administration duties and observe construction progress through duration of the project. We believe that this ensures the integrity of design process, facilitates communication between Owner, Architect and Contractor, and allows for Owner's expectations at the beginning of the project to be fully met at the end. Our seasoned experience and knowledge of construction translates into complete construction documents which then translates into tight competitive bidding and results in our low change order history.

The attached includes resumes for the Architectural and MEP portions of the design team. We would look forward to meeting with you through the interview process and demonstrating how our experience will translate into a successful project for you in Charleston.

Sincerely,



John Harris

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DEFK13010

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

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

Addendum Numbers Received:

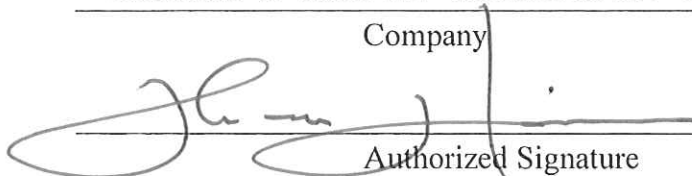
(Check the box next to each addendum received)

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

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Bastian & Harris, Architects, PLLC

Company



Authorized Signature

30 May 2013

Date

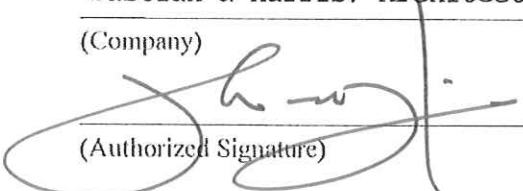
NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

CERTIFICATION AND SIGNATURE PAGE

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

Bastian & Harris, Architects, PLLC

(Company)


(Authorized Signature)

John M. Harris, AIA

(Representative Name, Title)

304/342-2151

(Phone Number)

304/342-2197

(Fax Number)

30 May 2013

(Date)

Bastian & Harris, Architects

Firm Profile

The firm of Bastian & Harris, Architects was established in 1999 by Doug Bastian, AIA and John Harris, AIA. For 27 years, Doug and John worked for the firm of Clint Bryan & Associates in Charleston. During their tenure with this architectural firm, Doug and John participated in the production of a wide variety of projects ranging from higher education, primary and secondary education, health care, churches, commercial office space, retail, recreational, and custom residential. Through this association, they gained valuable experience in all phases of the design and construction process. Their technical expertise in the production of detailed construction documents and hands on approach to contract administration has gained them respect among the construction industry with a reputation for minimal change orders. This practical experience contributes to their ability to match owner's functional needs with economical and constructible design solutions. Detailed cost estimating from conceptual phase through construction documents has led to an excellent track record of delivering projects on time and in budget.

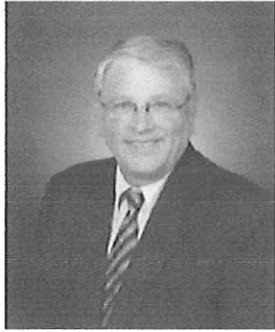
Bastian & Harris offers full service architectural designs to their clients while remaining small and personal. This four man firm, consisting of three registered architects and one associate, can produce projects of various sizes and complexities. By utilizing independent mechanical, electrical and structural engineering consultants as needed, the firm capitalizes on a wide range of technical expertise and support. When specific projects require special expertise, we will call upon specialized architectural design firms or other design consultants and utilize the knowledge and experience of nationally recognized professionals within a specific discipline. This allows them to build a design team specifically geared to the clients individual goals and objectives.

From early project development through programming, budget, design, technical drawings, specifications, and contract administration, a project is handled by the same key individuals. This continuity of personnel from inception to completion results in smooth communication between owner and all members of the project team. This helps to ensure quality control throughout the project and effectively translate owner's original project goals into a successful and complete project.

Projects include a 500-bed Student Housing and Dining Facility Complex for Marshall University, new Banquet Facility, Training, Educational, and Conference Center Addition at Caperton Center (Tamarack), new facility for Eastern West Virginia Community & Technical College, and Virginia Thomas Law Center for the Performing Arts at West Virginia Wesleyan College. Current projects include Mountwest Community and Technical College, Blue Ridge Community and Technical College, a new Readiness Center for the West Virginia Army National Guard. In Moorefield, and a new Applied Engineering Classroom and Laboratory Building for Marshall University.

Doug and John are committed to providing a high level of professional service with personal attention to detail. It is this reputation that has helped to establish them within the architectural and construction community. They look forward to serving your design needs and appreciate the opportunity to be part of your project.

Bastian & Harris, Architects
300 Summers Street, Suite 1200
Charleston, WV 25301-1630
304/342-2151 (o) 304/342-2197 (f)
bastianandharris.com



Doug Bastian, AIA, NCARB

Doug Bastian, AIA, Principal, is a registered architect, licensed since 1988 to practice architecture and has over 40 years experience within the building industry. Doug participated in the production of numerous projects. He continues to focus on design, estimating, construction documents, and construction administration aspects of projects.

Education

Bachelor of Science in Architectural Technology
West Virginia State University – 1968

Registration/License

Licensed in West Virginia 1988
Certification by National Council of Architectural Registration

Affiliations

American Institute of Architects
AIA West Virginia
US Green Building Council
West Virginia Contractors Association

Project Experience

Marshall University
Student Housing and Dining Facility Complex
Renovations to Holderby Hall
Enhancements to Caperton Center (Tamarack)
Eastern WV Community & Technical College
Classroom / Laboratory / General Support Building
Tri-County YMCA Natatorium and Wellness Center
Blessed Sacrament Church Parish Hall
Ayash Sport Center
Corporate Office for Go-Mart
Kanawha County Schools
Horace Mann Middle School Renovations
Grandview Elementary School Addition
Garnet Adult Center Renovations
New Windows & Masonry Repairs at Clendennin Elementary
Dupont Middle School HVAC Renovations
Auditorium Renovations at Five Area High Schools
Library/Computer Lab Addition and Fire Code Corrections to Point
Harmony Elementary School
Renovations and HVAC Upgrades to Horace Mann Middle, Dupont
Middle, and Chesapeake Elementary
Renovations to Shawnee Community Education Center
Renovations and HVAC Upgrades to Stonewall Jackson Middle School
Herman Eye Center New Office Building
Addition and Renovations to Comfort Inn
Bible Center Church Master Plan
Cross Lanes United Methodist Church New Fellowship Hall
Calvary United Methodist Church Addition and Renovations
West Virginia Wesleyan College
Virginia Thomas Law Center for the Performing Arts
Norfolk Southern New Yard Office



John Harris, AIA, NCARB

John Harris, AIA, Principal, is a registered architect, licensed since 1982 to practice architecture. In 1972, John joined the firm of Clint Bryan & Associates. While there, John worked with and assisted in the production of a wide variety of projects. Responsibilities include overall project development, design, construction documents, and construction administration. After forming Bastian & Harris, Architects in 1999 with Doug Bastian, role has expanded to include responsible for project management and marketing.

Education

Bachelor of Science in Architectural Technology *Summa Cum Laude*
West Virginia State University – 1973

Registration/License

Licensed in West Virginia 1982
Certification by National Council of Architectural Registration Boards

Affiliations

American Institute of Architects
AIA West Virginia
Board of Directors 1983-85 and 2005-2010 VP
2010-Present President
AIA West Virginia Scholarship Committee
US Green Building Council
West Virginia Contractors Association

Project Experience

Marshall University
Student Housing and Dining Facility Complex
Memorial Student Center Lobby Renovations
Mid Ohio Valley Center
Renovations to Holderby Hall
Renovations to Harris Hall
Renovations to Buskirk Hall
Graduate College Renovations
Housing / Wellness Center
Eastern West Virginia Community & Technical College
Classroom / Laboratory / General Support Building
Kanawha County Schools
Ruffner Elementary - Addition and Renovations
Overbrook Elementary - Addition and Renovations
Alban / Andrews Heights / Anne Bailey Elementary - Additions and Renovations
Central Elementary - Addition
Horace Mann Middle School Renovations
West Virginia Wesleyan College
Virginia Thomas Law Center for the Performing Arts
Mountwest Community & Technical College
Moses Automotive Factory Outlet
Hospice Administrative Office Building
Pleasant Valley Hospital - Emergency Services, Radiology & Laboratory Renovations
Addition and Renovations to Bible Center Church
Mountaineer Imaging Center
Law Office of Kesner, Kesner & Bramble
BB&T Lobby Renovations
Hampton Inn Addition and Renovations
Blue Ridge Community and Technical College - New Headquarters Building



Chris Campbell

AIA, NCARB, LEED AP BD+C

Chris Campbell, AIA, is a registered architect and licensed since 2000. From 1996 to 2006, Chris was employed as a project architect with Williamson Shriver, Architects and was responsible for design, project development, and contract documents with an emphasis on public K-12 educational facilities. In May 2006, Chris joined the firm of Bastian & Harris, Architects. Responsibilities include overall project development, design, construction documents, bidding, and construction administration.

Education

Bachelor of Architecture
University of Tennessee - 1996

Registration/License

Licensed in West Virginia - 2000
Certification by National Council of Architectural Registration Boards
Leadership in Energy and Environmental Design Accredited Professional (LEED AP BD+C)

Affiliations

American Institute of Architects
West Virginia Chapter of the American Institute of Architects
US Green Building Council

Professional Service

AIA WV Chapter President - 2006 to 2007
AIA WV Executive Committee - 2001 to 2009
Intern Development Program State IDP Coordinator - 2000 to 2005

Project Experience with Williamson Shriver, Architects

Riggleman Hall, University of Charleston - renovation of Administration Building
Erma Byrd Art Gallery, University of Charleston - renovation into new art gallery
Ram Stadium, Shepherd College - 2100 seat new facilities /support buildings
University High School - 217,000 sf new facility
Philip Barbour High School - 169,000 sf addition and renovation

Project Experience with Bastian & Harris, Architects

Marshall University Arthur Weisberg Family Applied Engineering Complex
Mountwest Community and Technical College - New Headquarters Building
Blue Ridge Community and Technical College - New Headquarters Building
Eastern West Virginia Community and Technical College New Classroom/Laboratory/Support Building
West Virginia Wesleyan College
Virginia Thomas Law Center for the Performing Arts
Kanawha County Schools - Auditorium Renovations at Five Area High Schools
Kanawha County Schools - Overbrook Elementary School Addition and Renovation
Kanawha County Schools - Ben Franklin Career and Technical Center - Additions and Renovations
Kanawha County Schools - Carver Career and Technical Center - Additions and Renovations
BB&T Tenant Build-Outs - General Services Administration
9th Floor
14th Floor
Spring Hill Baptist Church - Addition and Renovations
Buckhannon Toyota - Addition and Renovations
Moses Honda-Volkswagen - Huntington - Addition & Renovations
Moses Cadillac/Buick/GMC - Charleston -
New Showroom Building and Service Department Renovations

Projects

Higher Education

West Virginia Wesleyan College
Virginia Thomas Law Center for the
Performing Arts

Marshall University
Student Housing Complex
Harless Hall Dining Facility
John Marshall Commons
Residence Hall
Harris Hall Elevator and Emergency
Generator Addition
Renovations to Holderby Hall
Renovations to Buskirk Hall
Renovations to Memorial Student Center
6th Avenue Parking
Mid-Ohio Valley Center
Art Department Renovations
3rd Avenue Parking Garage
(Criteria Developer)
Corbly Hall Structural Repairs and Roof
Replacement
Twin Towers Elevator Replacement
Drinko Library and Science Building
Upgrades and Repairs
Gullickson Hall and Cam Henderson
Center Upgrades and Repairs
Joan C. Edwards AV Cabling Upgrade
Biotechnology Incubator / Applied
Engineering Complex
Henderson Center Sound Reinforcement

Marshall University Graduate College
Blue Ridge Community & Technical College
Mountwest Community & Technical College
Eastern WV Community and Technical College
Classroom / Laboratory / General
Support Building
Distance Learning Classrooms

Fairmont State College Wallman Hall
Fred Eberle Technical Center Re-Roofing
Glennville State College
Physical Education Building Elevator
Addition
Physical Education Building Roof
Replacement
Fine Arts Building Roof Replacement

Robert C. Byrd Institute - Bridgeport
Flexible Manufacturing and
Administrative Offices

Secondary Education

Kanawha County Schools - Renovations:
Central Office
Multiple School Auditoriums
Horace Mann Middle School
George Washington High School
Shawnee Community Education Center
Bridgeview Structural Repairs
Window and Door Replacement
Chamberlain Elementary School

Kanawha County Schools - Additions:
Ben Franklin Career Center Addition
Carver Career Center Addition
Point Harmony Elementary
Grandview Elementary
Alban Elementary
Andrews Heights Elementary
Anne Bailey Elementary
Central Elementary
Overbrook Elementary
Ruffner Elementary
Horace Mann Middle School
McKinley Middle School
Garnet Adult Center
Point Harmony IMC / Computer Lab

Kanawha County Schools - Renovations and HVAC
Upgrades:
Horace Mann Middle, Dupont Middle, and
Chesapeake Elementary Schools
Stonewall Jackson Middle School

Kanawha County Schools - Window Replacement:
Dunbar Middle School
McKinley Middle
Horace Mann Middle School
Clendenin Elementary School

Bible Center School New Gymnasium

Projects

Commercial

Enhancements to Caperton Center (Tamarack)
South Hills Shopping Center Renovations
Holiday Inn Renovations - Civic Center
Buckhannon Toyota
Moses Automotive
 Factory Outlet - Southridge
 Factory Outlet - Teays Valley
 BMW Renovations
 Honda / Volkswagen Dealership
 Cadillac / Buick / GMC
 Facility Enhancement
 Fiat Showroom Expansion
 Automall
 Ford Showroom Expansion
 Ford / Lincoln Pre-Owned Enhancement
Goldy Chrysler Jeep Dodge Ram New Facility
Joe Holland Chevrolet
Renovations to Bert Wolfe Ford / Toyota
Renovations to Beckley Toyota
Kanawha County Public Library - Charleston Branch
Kanawha County Public Library - Clendenin Branch
Renovations to Dunbar Public Library
Renovations to St. Albans Public Library
Charleston Acoustics Building Renovations
Ridgeline Development
Southridge Center Development
Soaring Eagle Lodge - Snowshoe
Ayash Development - St. Albans
Comfort Inn Addition and Renovations
Comfort Inn Elevator Addition
Hampton Inn Addition and Renovations
Ramada Inn Renovations
7-11 - Corridor G
Holiday Inn Express - Charleston

Professional Offices

Kesner, Kesner & Bramble Law Office
New England Financial Renovations
Go-Mart Office Building
beBetter Networks Office Renovations
Trans Allegheny Building Renovations
Herman Eye Center
Bailey & Glasser
Ranson Law Office Renovations
Robinson McElwee - Clarksburg
United States General Services Administration
 Office Renovations
Marshall Miller & Associates Office Build-Out
Goodwin & Goodwin Office Renovations
237 Capitol Street Facade / Lobby Facelift
Grubb Law Office Renovation and
 Historic Tax Credit
Norfolk Southern New Yard Office - Williamson, WV

Military

West Virginia Army National Guard
Moorefield Readiness Center

Banking

Branch Banking & Trust Lobby Renovations
Branch Banking & Trust Tenant Build-Outs
 4th, 6th, 8th, 9th and 14th Floors
Branch Banking & Trust Town Center Mall Renovations
Citizens National Bank - Snowshoe Branch
Pleasants County Bank - St. Mary's
5th/3rd Bank Tenant Build-Out
Pioneer WV Federal Credit Union Drive-Up Facility

Health Care

Hospice Administrative Office Building
Hospice - Lewisburg
Hospice - Kanawha City
Hospice - Existing Building Renovations
Hospice - West
Eye and Ear Clinic Renovations
Greenbrier Clinic Endoscopic Suite
Mountaineer Diagnostic Imaging Center
Pleasant Valley Hospital
 Emergency Services and Laboratory
 Renovations
 Expansion to Medical Office Building
 New Hydro-Therapy Facility
 Entry Canopy
 OB / Surgery Suite Modifications
 Morgan Office Renovations
 Radiology Suite Modifications
 Fluoroscope Room Renovations
 Wellness Center

Churches

Bible Center Church Addition and Renovations
Peoples Baptist Church Fellowship Hall Renovation
Cross Lanes United Methodist Church Addition
Blessed Sacrament Parish Hall
Bible Baptist Church of Danville
Madison United Methodist Church Addition
Emmanuel Baptist Church
First Baptist Church of Eleanor
Calvary United Methodist Church Addition
 and Renovations
Spring Hill Baptist Church Renovations
Maranatha Baptist Church Renovations
St. Matthews Church Renovation
Mount Calvary Baptist Church Renovations

Marshall University

Arthur Weisberg Family
Applied Engineering Complex
Huntington, West Virginia



Owner:
Marshall University
Ron May
Manager of Project Operations
One John Marshall Drive
Huntington, WV 25755
304/696-6294

Completion Date: February 2015
Construction Cost: \$47,750,000

Services Provided: Full A/E
Size: 145,000 sf

General Contractor:
BBL Carlton
600 Kanawha Boulevard, East
Suite 200
Charleston, WV 25301
304/345-1300



This project consists of 4-stories of occupied space plus a mechanical penthouse on the 5th Floor. Facility includes classroom space, faculty offices, administrative offices, computer labs, research and teaching laboratories for Computer Science, Engineering, Safety, Marshall University Research Corporation (MURC) Offices and Incubator Facilities, and the College of Science. The combination and arrangement of teaching, research, and office spaces are intended to foster collaboration between the Colleges. This building is designed to achieve LEED Silver Certification.



Marshall University

Harless Hall Dining Facility
Huntington, West Virginia

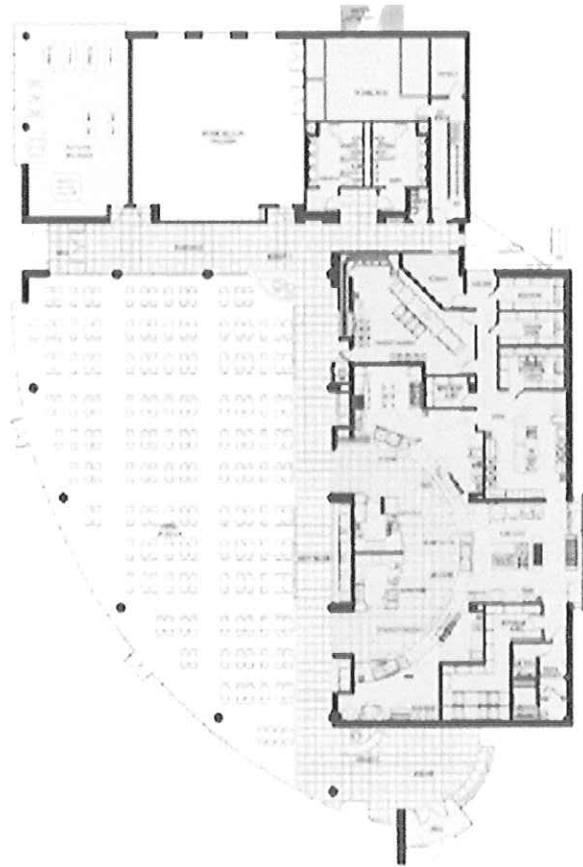


Owner:
Marshall University
Ron May
Manager of Project Operations
One John Marshall Drive
Huntington, WV 25755
304/696-6294

Completion Date: 2003
Construction Cost: \$7,952,946

Services Provided: Full A/E
Size: 19,863 sf

General Contractor:
Neighborgall Construction
C.R. Neighborgall
PO Box 281
Huntington, WV 25707
304/525-5181



This project consists of a 17,000 sf new dining facility seating 300. The Dining Hall is comprised of steel frame and masonry bearing with curved curtainwall in dining area overlooking terrace.



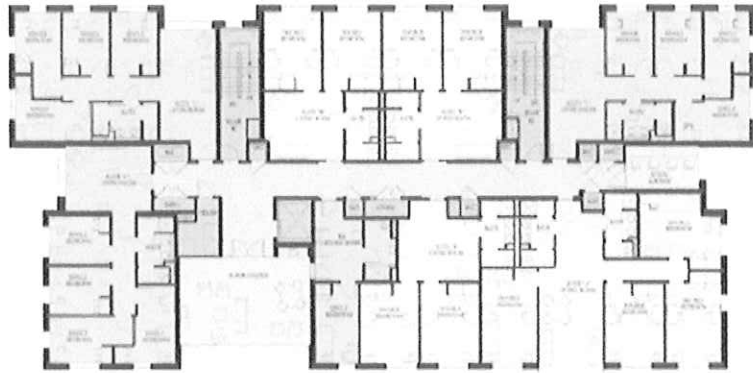


Marshall University

John Marshall Commons Residence Hall
Huntington, West Virginia



Owner:
Marshall University
Ron May
Manager of Project Operations
One John Marshall Drive
Huntington, WV 25755
304/696-6294



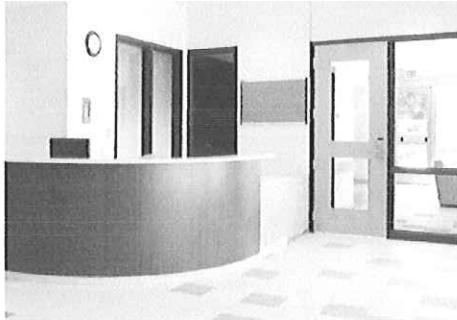
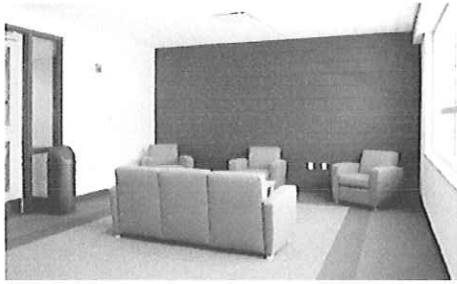
Completion Date: 2003
Construction Cost: \$20,895,947

Services Provided: Full A/E
Size: 153,028 sf

General Contractor:
Neighborgall Construction
C.R. Neighborgall
PO Box 281
Huntington, WV 25707
304/525-5181

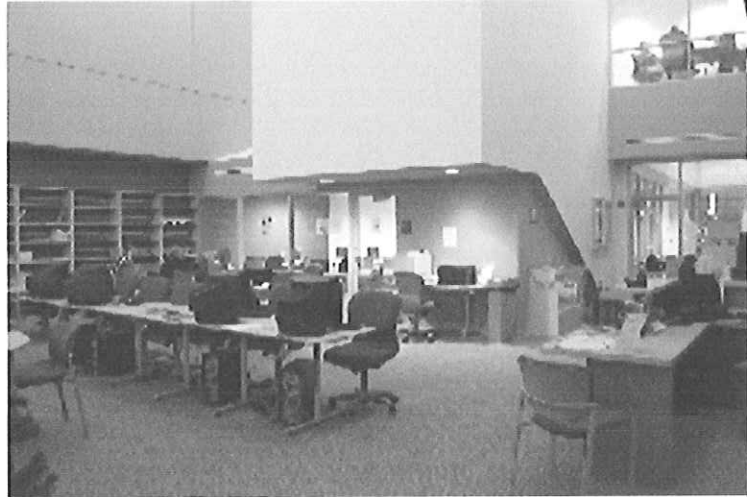
This project consists of four 125-bed dormitory buildings. The Dormitory buildings are comprised of CMU bearing walls with precast concrete plank floors and non-bearing partitions of gypsum board on metal studs. HVAC system is a pipe system with corridor mounted air handlers to minimize intrusion into student occupied spaces.





Eastern WV Community & Technical College

Classroom/ Laboratory/ General Support Building
Moorefield, West Virginia



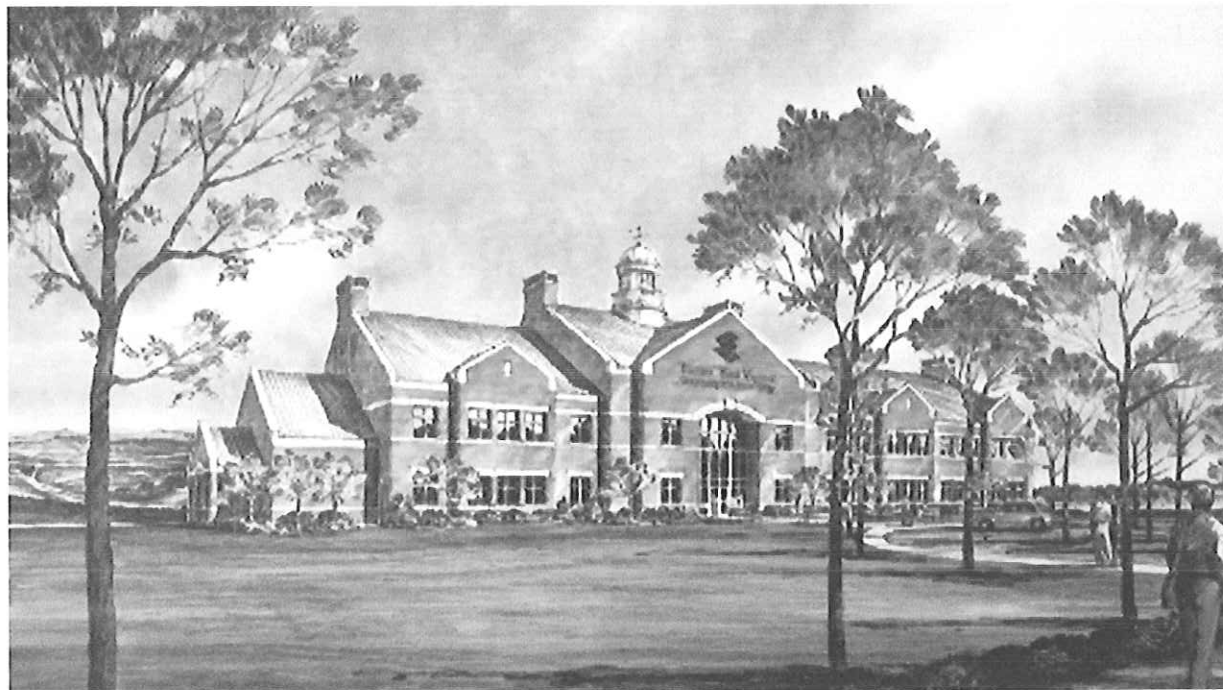
Owner:
Eastern WV Community & Technical
College
Bob Sisk, President
316 Eastern Drive
Moorefield, WV 26836
304/434-8000

Completion Date: August 2009
Construction Cost: \$5,805,675

Services Provided: Full A/E
Size: 25,000 sf

General Contractor:
G&G Builders, Inc.
500 Corporate Center Drive Suite 550
Scott Depot, WV 25560
304/757-9196

Classroom and support facility housing a laboratory, resource lounge, and faculty / administration offices. Building structure is comprised of reinforced load bearing masonry exterior walls with an interior steel frame. Exterior cavity wall veneer consists of face brick and split faced CMU. Roof structure is cold-formed steel trusses which supports the sloped asphalt shingles. Interior spaces are comprised of painted gypsum board over steel stud framing, resilient floor tile or carpet, and a suspended acoustical ceiling system. Facility houses a mechanical room in the attic of the structure which maximized usable floor area. Building was situated at the top of a hill so large arched curtain walls and nicely sized fixed windows are positioned to frame distant views. This is the first phase of a new college campus.



West Virginia Wesleyan College

Virginia Thomas Law Center for Performing Arts
Buckhannon, West Virginia



This 374 seat Performing Art Center includes a 1,100 sf reception / rehearsal space, 2,500 sf stage, dressing rooms, costume shop, scenery shop, and orchestra pit. Building structure is comprised of reinforced load bearing masonry supporting steel joists and beam. Walls are supported on a deep foundation system comprised of concrete grade beams and auger-cast piles. Exterior cavity wall veneer consists of face brick and split face CMU. All windows are fixed aluminum storefront / entrance frames with insulated glass. Roofing is EPDM membrane over rigid insulation and sloped structural deck or level deck with tapered insulation. Interior public spaces are comprised of painted gypsum board over steel furring or steel studs, resilient floor or carpet, suspended acoustical ceiling system and exposed structure painted flat black, and hardwood base and trim.

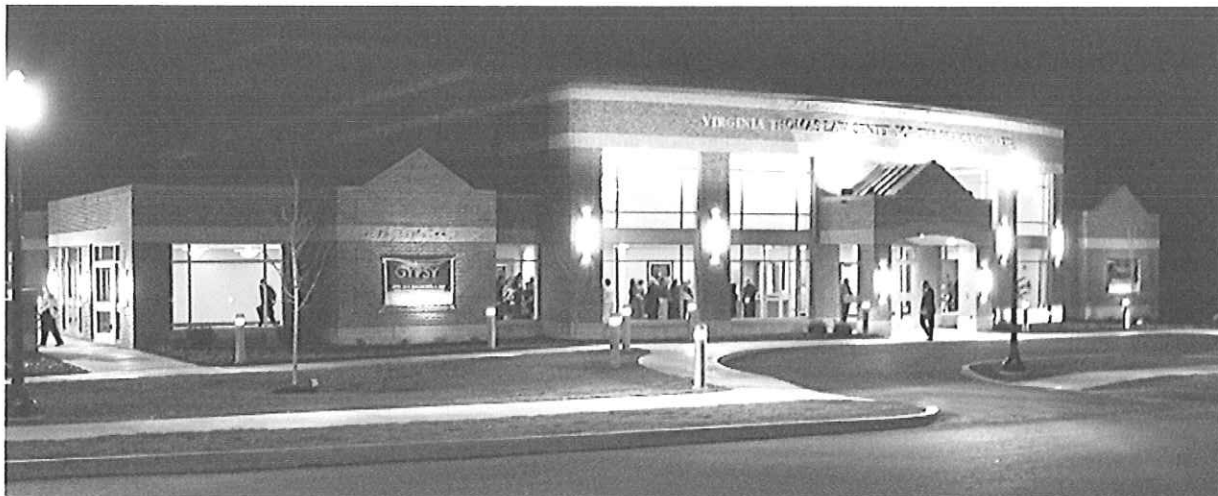
Owner:
West Virginia Wesleyan College
Pamela Balch, President
59 College Avenue
Buckhannon, WV 26836
304/473-8040

Completion Date: February 2009
Construction Cost: \$6,550,000

Services Provided: Full A/E
Size: 19,000 sf

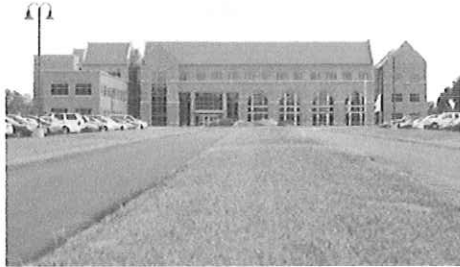
General Contractor:
High Point Construction Group, LLC
PO Box 577, Rt. 6 Box 302
Buckhannon, WV 26201
304/472-5595





Blue Ridge Community & Technical College

New Headquarters Building
Martinsburg, West Virginia



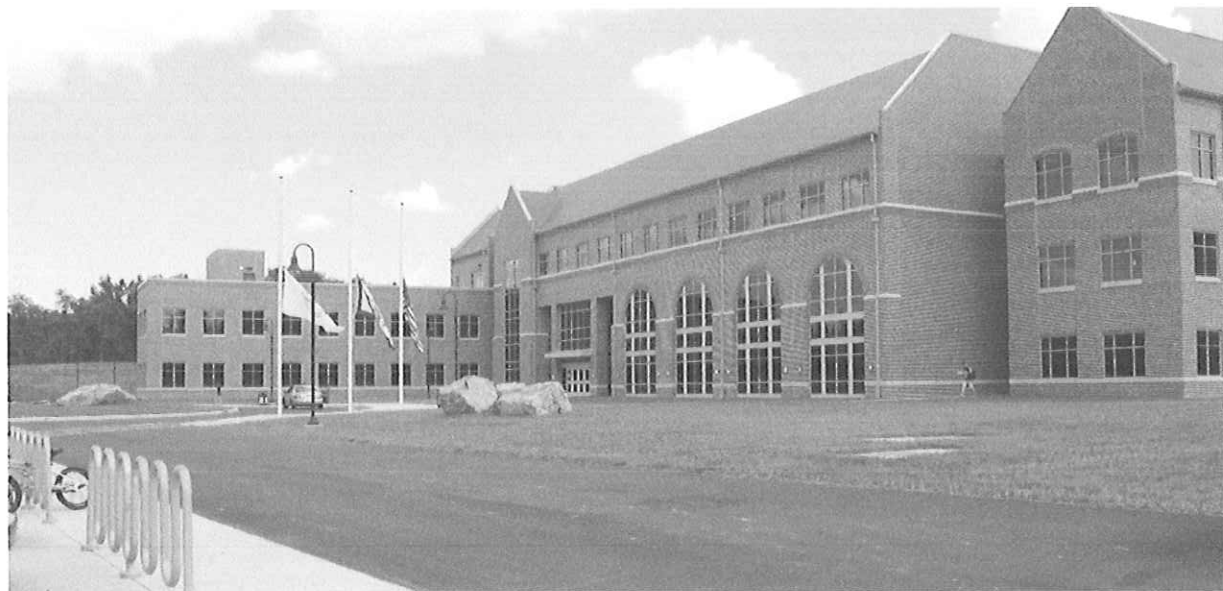
This community & technical college building is the new headquarters building for Blue Ridge. The three-story building houses general classrooms, flexible classroom spaces, chemistry, biology and anatomy laboratories, nursing, home health and EMS laboratories, faculty and administrative office spaces. The two-story lobby area contains an internet cafe, student lounge area, and bookstore. Building structure is comprised of brick veneer over cold-formed framing with a steel frame. All windows are fixed aluminum storefront / entrance frames with insulated glass. Roofing is simulated slate shingles on sloped areas with EPDM on low-sloped areas. Interior public spaces are comprised of painted gypsum board over steel furring or steel studs, porcelain tile, resilient flooring, and carpet, suspended acoustical ceiling system.

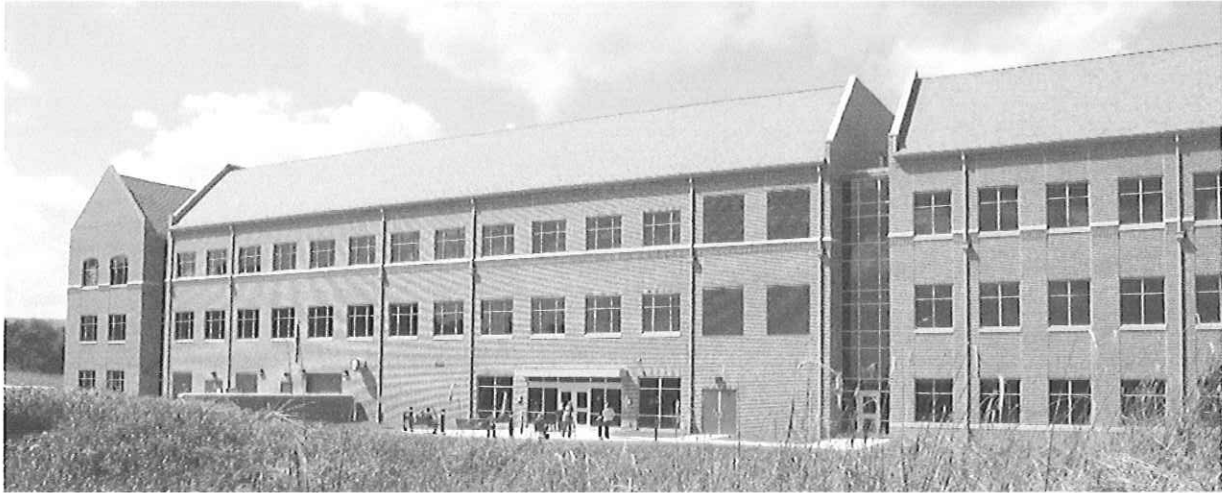
Owner:
Blue Ridge Community & Technical
College
Dr. Peter G. Checkovich, President
13650 Apple Harvest Drive
Martinsburg, WV 25403
304/260-4380

Completion Date: July 2012
Construction Cost: \$14,500,000

Services Provided: Full A/E
Size: 55,000 sf

General Contractor:
Morgan-Keller Inc.
70 Thomas Johnson Drive, Suite 200
Frederick, MD 21702
301/663-0626





Tamarack

Enhancements to Caperton Center
Beckley, West Virginia



This conference facility is designed to have the widest range of flexibility to accommodate conferences of all sizes and has a dividable space to allow for multiple simultaneous events. Other spaces includes ADA toilets, smaller conference room, offices, storage, pre-function space which opens with a large glass wall onto the plaza, atrium with seating for approximately 100, food service expansion of kitchen, and bus entrance drive with handicapped parking. Structure is steel frame with exterior stone and masonry bearing walls. Interior walls are gypsum board on metal studs. Portion of roof area is single-ply EPDM roofing membrane over tapered insulation system and major roof area of metal system over felt and plywood sheathing over rigid insulation on metal roof deck. Exterior stone, cast stone, windows, etc. matching existing Tamarack building.

Owner:
West Virginia Parkway Authority
Greg Barr, General Manager
PO Box 1469
3310 Piedmont Road
Charleston, WV 25325-1469
304/926-1900

Completion Date: 2003
Construction Cost: \$6,188,106

Services Provided: Full A/E
Size: 22,000 sf

General Contractor:
Radford & Radford
850 Ragland Road
Beckley, WV 25801
304/252-5240





HospiceCare

HospiceCare Administrative Offices
Charleston, West Virginia



Owner:
HospiceCare
Larry Robertson, Executive Director
1606 Kanawha Boulevard, West
Charleston, WV 25302
304/768-8523

Completion Date: Construction Cost:
November 2008 \$3,155,585

Services Provided: Size:
Architectural as 17,800 sf
part of design build

General Contractor:
Pray Construction
4964 Teays Valley Road
Scott Depot, WV 25560
304/755-4944

This facility provides administrative offices and workspace for HospiceCare of WV in Charleston. Construction is one steel frame with metal stud infill on slab on grade. Exterior is a blend of brick with horizontal CMU accents and exterior insulation and finish system panels. Tile covered pylons support canopy areas and provide locations for icon signage. Building organization allowed all offices to have windows while open cubicle work station areas are located below a 25'x25' pyramid skylight. Rooftop equipment is screened by EIFS accent panels.



Moses Automotive

Moses Factory Outlet
Corridor G & Teays Valley, West Virginia



Original project for Moses Automotive was to create an image for a new pre-owned retail outlet with a distinct identity. Large canopy created an entry portal that became a major sign element while screening rooftop equipment. Building housed sales and detail shop operations.

With the success of the original Charleston Area Corridor - G location, another outlet location was created in Teays Valley capturing the same "branding" elements and design. Site constraints dictated changes to the proportion and required separation of the sales and detail shops into adjacent buildings.



Moses Factory Outlet
Corridor G

Moses Factory Outlet
Teays Valley

Owner:
Moses Automotive
Bob & Steve Moses, Owner
1406 Washington Street, East
Charleston, WV 25301
304/343-5534

Owner:
Moses Automotive
Bob & Steve Moses, Owner
2001 MacCorkle Avenue
St. Albans, WV 25177
304/722-4900

Completion Date:
2003

Completion Date:
September 2008

Construction Cost:
\$913,065

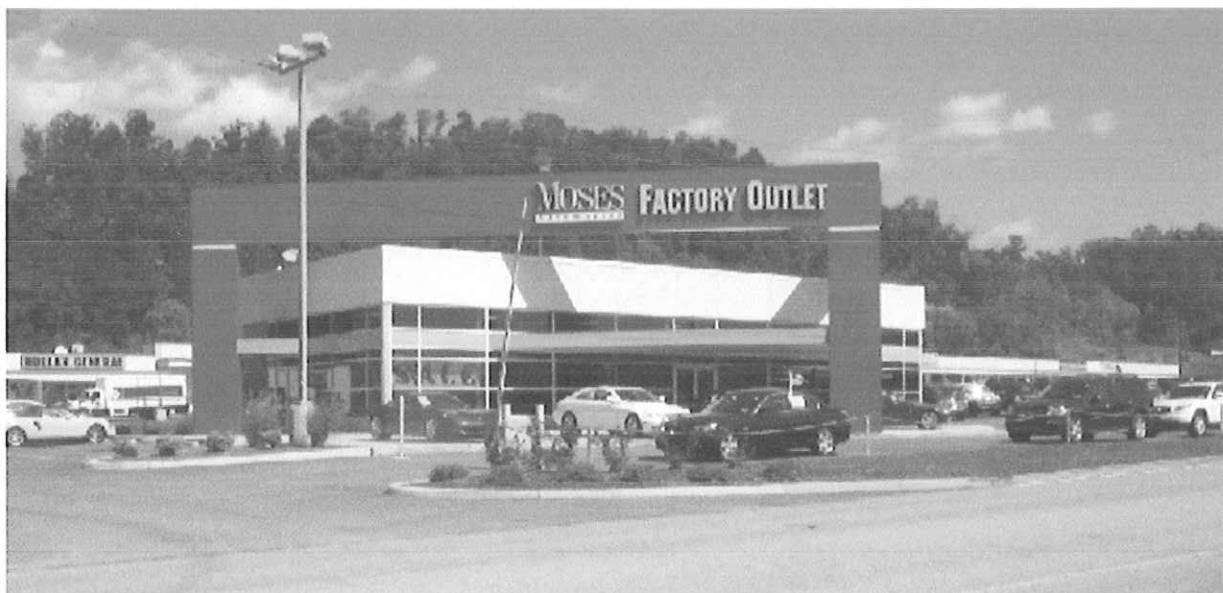
Construction Cost:
\$1,425,266

Size:
4,500 gsf

Size:
5,100 gsf

Asphalt Portion:
78,500 sf

Asphalt Portion:
96,000 sf



Moses Automotive

Moses Honda Volkswagen
Huntington, West Virginia



Owner:
Moses Automotive
Barbara Atkins, Owner
5210 Rt. 60 East
Barboursville, WV 25704
855/212-4902

This project was an addition and renovation to an existing vacant building to provide a larger facility for relocation of Moses Honda Volkswagen.

The major challenge of the facility was to incorporate the two manufacturer's image requirements while allowing common shared customer areas to blend seamlessly from one showroom to the other.

Completion Date: 2011

Construction Cost:
\$1,859,074

Services Provided: Full A/E

Size: 30,900 sf

General Contractor:
Jarrett Construction



Moses Automotive

Moses Cadillac Buick GMC
Charleston, West Virginia



Owner:
Moses Automotive
Bob Moses, Owner
1406 Washington Street, East
Charleston, WV 25301
304/343-5534

Completion Date:
2012

Construction Cost:
\$2,185,728

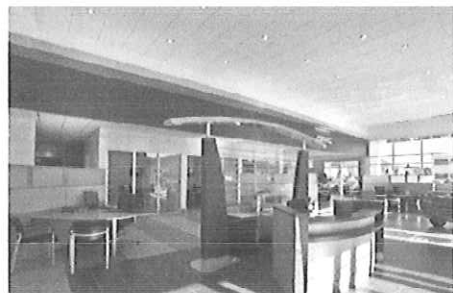
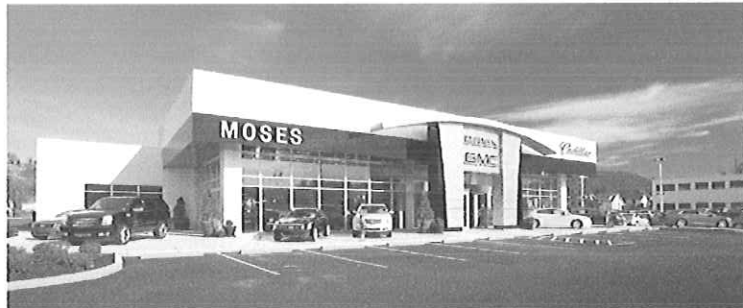
Services Provided:
Full A/E

Size: 10,600 sf

General Contractor:
Jarrett Construction

This new Moses Cadillac Buick GMC showroom facility was constructed on the Owner's existing property.

The site design allowed for the existing used car building to be demolished, while keeping the new car sales building open for business during construction of this new facility. The existing service reception and service custom lounge was also renovated as part of this project.



References

Ron May, Director of Facilities Planning and Management
Marshall University
One John Marshall Drive
Huntington, West Virginia 25755

Phone: 304/696-6294

Richard Donovan, Assistant Director of Facilities
West Virginia Higher Education Policy Commission
1018 Kanawha Blvd., East, Suite 700
Charleston, West Virginia 25301

Phone: 304/558-0281

Dr. Charles Terrell, President
Eastern West Virginia Community and Technical College
316 Eastern Drive
Moorefield, West Virginia 26836

Phone: 304/434-8000

Dr. Pete Checkovich, President
Blue Ridge Community & Technical College
13650 Apple Harvest Drive
Martinsburg, WV 25403

Phone: 304/260-4380

Mr. Bob Moses, Owner
Moses Cadillac Buick GMC
1406 Washington Street, East
Charleston, WV 25301

Phone: 304/343-5534

Charles Wilson, Administrative Assistant
Facilities / Operations
Kanawha County Schools
3300 Pennsylvania Avenue
Charleston, West Virginia 25302

Phone: 304/348-6148

Greg Barr, General Manager
West Virginia Parkways, Economic Development and Tourism Authority
PO Box 1469
3310 Piedmont Road
Charleston, West Virginia 25325-1469

Phone: 304/926-1900

Brian Litchfield, Director of Support Services
Pleasant Valley Hospital
2520 Valley Drive
Pt. Pleasant, West Virginia 25550

Phone: 304/675-4340

Lee Walker, Business Manager
Bible Center Church
1111 Oakhurst Drive
Charleston, West Virginia 25314

Phone: 304/346-0431

Larry Robertson, Executive Director
HospiceCare
1606 Kanawha Boulevard, West
Charleston, West Virginia 25302

Phone: 304/768-8523



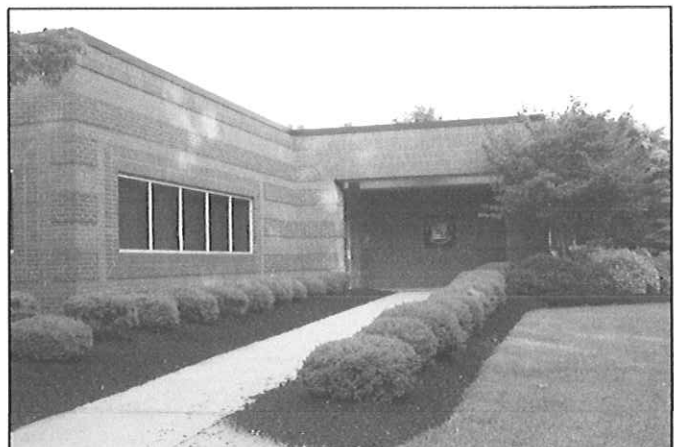
ABOUT THE FIRM

Scheeser Buckley Mayfield LLC, is an Ohio based Consulting Engineering firm. The firm has enjoyed a steady growth in clients and geographical area served throughout its history. Originally serving clients only in the Akron and Canton areas, the firm serves clients throughout Ohio and 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. In 1987 Scheeser*Buckley*Miller*Starr, Inc. merged with V.R. Mayfield & Associates, Inc., a Canton, Ohio based electrical consulting firm, to form the present corporation which offers both mechanical and electrical design services to its diversified list of clients. V.R. Mayfield & Associates, Inc. was a long established electrical design firm of outstanding reputation also serving clientele throughout Ohio and surrounding states. The joining of the two firms has greatly strengthened the position of the firm in the design community and has helped insure the continued growth and excellent reputation the two firms enjoyed during their separate histories.

Scheeser Buckley Mayfield LLC has developed an outstanding reputation for 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 and communications and computer aided design document production. We have had extensive experience in the design and analysis of projects of all sizes. With this wide range of experience, we are able to not only design, but record the results of the design to continue to improve the total systems design. 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, 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 our projects each year originate from clients who have used our services previously and wish to continue a professional association. Scheeser Buckley Mayfield LLC strives to provide very professional, competent engineering services to all of our clients and to develop a personal relationship with these clients. Our 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.



1540 Corporate Woods Parkway
Uniontown, Ohio 44685
(330) 896-4664

JAMES E. ECKMAN, P.E., LC, LEED AP, CBCP
PRESIDENT - ELECTRICAL ENGINEER

PERSONAL RESUME

Mr. Eckman attended The University of Akron where he received his Bachelor of Science Degree in Electrical Engineering in 1984.

After graduation, Mr. Eckman began his career as a consulting engineer by accepting a position as junior engineer with Kucheman, Peters and Tschantz, Inc., an electrical consulting firm in Akron, Ohio. During this engagement, he gained experience in the electrical design of commercial, industrial and healthcare facilities. Mr. Eckman also served as project manager for many of the projects he designed.

Concurrently, Mr. Eckman taught an electrical engineering course called "Illumination" at The University of Akron.

After leaving KPT, Inc. in 1987, Mr. Eckman gained additional experience in the construction industry by accepting the position of Engineer/Estimator for Thompson Electric, Inc. in Munroe Falls, Ohio.

During this engagement, he designed and acted as project manager for several large industrial projects. He also earned electrical contractor licenses in several area communities.

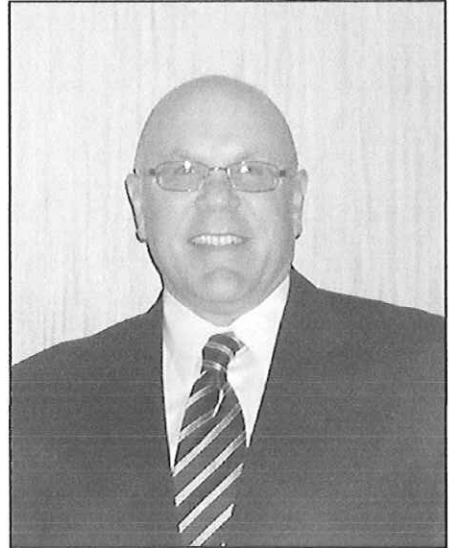
Desiring to further his career as a consulting engineer, Mr. Eckman accepted a position of Senior Engineer with Scheeser Buckley Mayfield LLC in 1989. Mr. Eckman was promoted to the position of Associate in 1990, became a Principal in the firm in 1991 and Vice President of Electrical Engineering in 1992, and President in 2003.

Mr. Eckman was a member of the Institute of Electrical and Electronics Engineers for eight years and is currently an active member of the Electrical League of Northeastern Ohio and the Illuminating Engineering Society (IES). Mr. Eckman has served as Treasurer and President of the Cleveland/Akron IES section and a member of the Executive Committee for the Electrical League. Mr. Eckman served on the College of Engineering Advancement Council for The University of Akron from 2002 to 2004 and is currently serving as Chairman of The University of Akron Electrical Engineering and Computer Engineering Advisory Council.

Jim is a LEED v2 Accredited Professional and is registered in the State of Ohio, West Virginia, Pennsylvania, North Carolina, Wyoming and Indiana.

In 2005, Jim received his Lighting Certification (LC) from the National Council on Qualifications for Lighting Professionals (NCQLP).

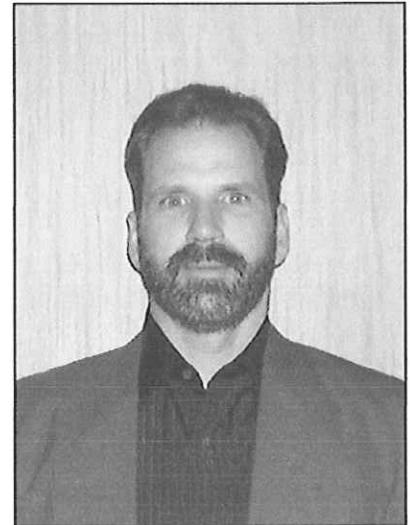
In 2009, Jim received his Certified Building Commissioning Professional (CBCP) administered by the AEE (Association of Energy Engineers).



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

PERSONAL RESUME

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



After graduation, Mr. Hathaway began his career as a consulting engineer with Scheeser Buckley Mayfield LLC. He has since been involved with all aspects of electrical design including: lighting, power distribution, telecommunications systems, fire alarm systems, video/security systems, nurse call systems and CATV/MATV distribution systems. Mr. Hathaway's responsibilities include both budget and finish electrical construction estimates. He has worked closely with electrical contractors on design/build and design assist projects.

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

In addition, Marlon has been Project Engineer and Principal-in-Charge on many higher education projects. These projects include NCAA Athletic facilities, field houses, aquatic buildings and classroom/lecture halls. Mr. Hathaway has also provided design services for resident halls, student centers and dining facilities for multiple universities including Kent State University, The University of Akron and Marshall University. Mr. Hathaway also designed museum and art facilities which includes projects at the Pro Football Hall of fame in Canton, Ohio.

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

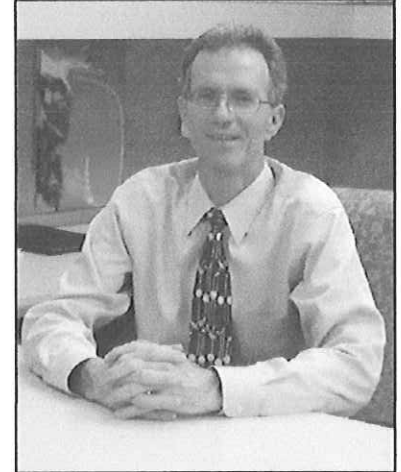
Mr. Hathaway is registered in the State of Ohio, West Virginia, Kentucky, Pennsylvania and Florida.

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.

Mike is a LEED™ 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).

Projects Mike has worked on include the following:

West Virginia University AG Science Fume Hood Repairs

West Virginia University Tech Engineer Building Boiler Flue

Case Western Reserve University Elder Theater Hall Renovations

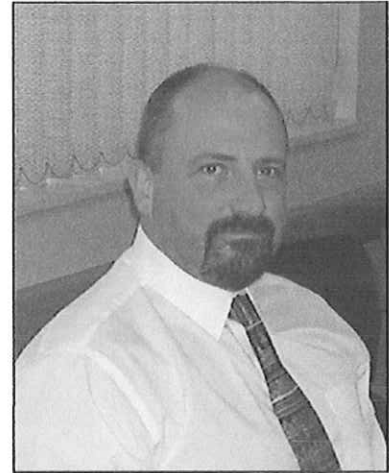
Muskingum College Caldwell Hall Performing Arts Building

West Virginia Wesleyan College Virginia Thomas Law Center for the Performing Arts

VINCENT J. FEIDLER, P.E., LEED AP
PRINCIPAL – MECHANICAL ENGINEERING

PERSONAL RESUME

Mr. Feidler attended the Pennsylvania State University where he received his Bachelor of Architectural Engineering degree. His major emphasis while pursuing his degree was in HVAC Systems design. Vince joined the consulting firm of Scheeser Buckley Mayfield LLC in July of 1996, where he has worked since his graduation. Vince holds Professional Engineering licenses in the States of Ohio, West Virginia, Pennsylvania and Kentucky.



Mr. Feidler has served as lead mechanical engineer on a wide variety of projects, primarily for health care facilities and universities and has extensive experience in all aspects of the design of mechanical systems for buildings, including advanced HVAC, Plumbing, and Fire Protection systems. He also acts as the Project Manager for his projects within the office, coordinating the design team's efforts to ensure a quality project, with emphasis on design deadlines and construction budgets.

Larger projects in Mr. Feidler's background include a 220,000 square foot Heart Center and 75,000 square foot Medical Office Building for the King's Daughters Medical Center located in Ashland, KY with a total construction budget of \$75 million; 165,000 square foot addition to Camden Clark Memorial Hospital located in Parkersburg, WV, the first major addition to this Hospital in several years. The addition incorporated 11 operating rooms, critical and normal intensive care units, central sterile, endoscopy suite, and other related functions. Also, a new chiller plant and new boiler were added on both projects to account for the needs of the additions.

Mr. Feidler has also designed multiple smaller scale projects such as 9,000 square foot addition to the Mid Ohio Valley Center; 7,500 square foot addition to the Green YMCA; 5,500 square foot addition to St. Elizabeth Church; 36-bed ICU/CCU addition to the St. Mary's Hospital. Vince has also been involved in historical building renovations.

Other clients and facilities with which Mr. Feidler has experience include Marshall University, Ohio State University, Muskingum College, Thomas Memorial Hospital, Barberton Citizens Hospital, VAMC – Beckley, Ohio Agricultural Research and Development Center, West Virginia School of Osteopathic Medicine, Kanawha County Schools, Lakeland Community College, Wetzel County Hospital and Summerville Memorial Hospital.

Vince is a LEED™ Accredited Professional and a member of the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE).

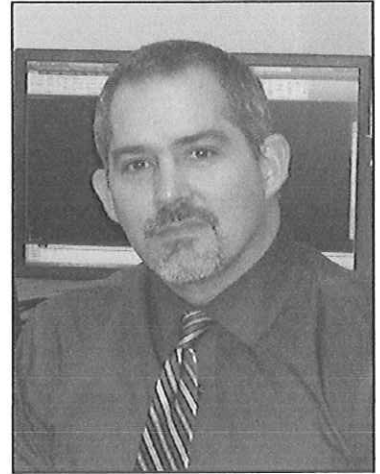
JOE HARLESS, RCDD
SENIOR INFORMATION TECHNOLOGY SYSTEMS DESIGNER

PERSONAL RESUME

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

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

In 1997, Mr. Harless accepted the position as Network Designer at GBS. There, he performed design, engineering and estimating duties for all GBS' structured cabling and networking projects. In addition to these functions, he provided technical training and support to the field technicians and was responsible for the research and selection of all materials, tools and test equipment.



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

Mr. Harless joined Scheeser Buckley Mayfield LLC in July, 2002 as the Senior Telecom Designer and is responsible for managing all of the information technology systems designs produced by the firm. Modern buildings and businesses demand extensive information technology equipment and wiring which must be integrated into the design of the entire facility. Joe is the key person at Scheeser Buckley Mayfield who coordinates these design requirements with our electrical and mechanical staff to ensure that the information technology equipment and wiring designs meet the current and future needs of our clients.



SCHEESER BUCKLEY MAYFIELD LLC

PROJECT EXPERIENCE

AFRC - WHITEHALL RESERVE TRAINING CENTER

Armed Forces Reserve Center	MECHANICAL	US Army Corps of Engineers
Whitehall, Ohio	ELECTRICAL	Louisville District
	CIVIL	Whitehall, Ohio
	TELECOM	

The Whitehall Armed Forces Reserve Center is a new building of approximately 150,272 square feet. The building program includes offices, training facilities, readiness rooms, unit storage facilities, an assembly hall and a kitchen. The project also includes recruiting offices, medical examination rooms and a weapons simulator room. Approximately 900 people will work and train in this facility. Additionally the project consists of a 5,067 square foot Vehicle Maintenance Shop, and an additional 6,549 square foot Storage Building. Scheeser Buckley Mayfield was responsible for the MEPT and Civil design for the facility. The project delivery method was design build with the A/E team participating in the project solicitation response as well as the design documentation. The project was designed to comply with federal energy conservation measures roughly equivalent to a LEED Silver energy performance. The building envelope was modeled by Scheeser Buckley Mayfield to assist in accomplishing compliance with ASHRAE 90.1-2004

Service for the three building complex was obtained from a new service drop designed to connect to the Bases' 13.2 KV overhead distribution system. The new service drop feeds a 2500 KVA, 13.2KV to 480/277V, 3 phase, and liquid-filled, outdoor padmount transformer. This transformer supplies the Training Building's 3000A, 480/277V Main Switchboard. Separate metered feeds were run from the Main Switchboard for electric service to Vehicle Maintenance Shop and Storage Building. The Training Building's electrical distribution system was designed so that mechanical system equipment is on separate electrical feeds segregating it from the electrical system serving office areas. 208/120V power for the office areas are served by K13 rated step down transformers. The 208/120V distribution systems serving the office areas were designed with a 200% neutral throughout. Building lighting generally consisted of the 2'x 4' recessed fluorescent fixtures in areas with ceilings and 1'x 4' surface industrial fluorescent fixtures in utility areas with no ceilings. Offices and open office areas were generally lit with recessed direct/indirect lighting fixtures. Restrooms and general use spaces were lit with recessed fixtures having acrylic prismatic lenses. Lighting utilized T8 lamps, and electronic ballasts having less than 10% THD. The lighting in open office areas is controlled via a programmable lighting control system. Corridor lighting and lighting in offices having more than one occupant is controlled via ceiling mounted occupancy sensors. Lighting for individual offices is controlled via a wall mounted occupancy sensor. The design included the installation of power and telecommunication feeds for large amounts of modular office furniture. A combination analog addressable fire alarm and mass notification was designed for the Training Building and the Vehicle Maintenance Shop. A tie in with the Base's fire alarm and mass notification was also included. The design provided a building card access/security system which ties in and interfaces with the Bases' existing security system as well as a Cable TV distribution system. The project included the design of the telecommunication system for the three buildings. The designed covered the design of telecommunications rooms, a new telecommunications main distribution frame, wiring, and jacks.

The project included secured car and truck parking / service lots that utilized extra strength 12" high concrete curbs, reinforced concrete curbing and sidewalks, concrete filled bollards, high security barrier arm gates, and chain link security fencing to protect the buildings from vehicular assaults. The design also included standard and heavy duty asphalt pavement and concrete pavement sections. Pavement and curbing underdrain systems were utilized in conjunction with the design of the site closed storm system and stormwater management facility to extend the expected life of the pavement sections.

ARMY CORPS OF ENGINEERS - JOINT SYSTEMS - REHAB OF BLDG. 345

NATIONAL ARMY GUARD

National Army Guard Lighting Retrofit ELECTRICAL
Akron Armory Lighting Retrofit
Alliance Armory Lighting Retrofit
Green Armory Lighting retrofit
Newton Falls Armory Lighting Retrofit
Youngstown Armory Lighting retrofit

Project involved the study of five existing national guard armories with respect to lighting revisions to reduce energy consumption and costs. An evaluation of all potential renovations was performed and those items that were noted as a seven year or less payback were included in the construction documents. Revisions included retrofit of existing T12 lamped fixtures as well as selected replacement of T8 fixtures primarily where existing ballasts were not being used. All areas in each of the buildings were reviewed with respect to lighting levels falling within IES guidelines and the implementation of occupancy sensors was included where practical. Areas studied included office spaces, high bay and low bay areas, maintenance facility and exterior lighting.

PITTSBURGH AIR FORCE BASE PARKING LOT IMPROVEMENTS

Pittsburgh International Airport CIVIL Air Force Reserve
Air Force Reserve Base
Parking Lot Expansion

Scheeser Buckley Mayfield worked with LDV Inc. in this design/build project to relocate existing water main and electrical lines and install a new 425 surface vehicular parking lot. The project included a 10,000 gallon underground stormwater management system, a bioretention best management practice facility for water quality, and associated landscaping. Water mains and electrical lines were rerouted in areas to allow for the installation of the stormwater management system as steep grades associated with project limited the areas that this management system could be installed. Both utility systems supported the entire airport facility which required construction phasing and limited shutdowns to ensure services were available at all times.

Pittsburgh International Airport CIVIL Air Force Reserve
Air Force Reserve Base
Concrete Apron Base and Pavement Improvements

This project involved surface and subdrainage improvements to the existing concrete pavement associated with the northern portion of the East Apron of the Aircraft Parking Apron at the Air Reserve Station of the Pittsburgh International Airport (PIA) in Pittsburgh, Pennsylvania. Specifically, a report was prepared in January 2009 by the Air Force Civil Engineer Support Agency (AFCESA) for the taxiways and aprons at this airport which indicated that while the east apron's pavement surface was in good condition the subgrade was determined to have a low strength. This low strength affects the pavement life span and its overall structural loading capacity. The report did note that while the concrete surface was in good condition, it did exhibit localized low- to medium-severity longitudinal and transverse cracking as well as patching and low-severity joint seal damage. With weaker subgrade conditions prevalent and given the occurrence of the cracking, it was determined that the distresses were structural in nature.

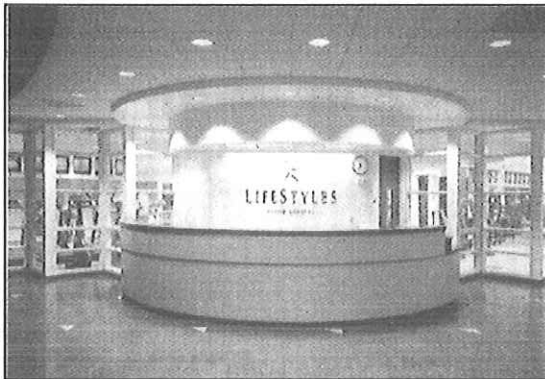
Plans and specifications were prepared to install a new drainage system and this systems design and layout were based on information obtained from new subgrade testing. Plans also included pavement removal and replacement with new longitudinal, transverse, keyed, and control joints. Worked had to be phased to ensure the landing area remained open to air traffic.

SCHEESER BUCKLEY MAYFIELD LLC

HEALTH CARE FACILITY PROJECT EXPERIENCE

Scheeser Buckley Mayfield LLC has completed thousands of design projects for health care facilities, both direct and through a variety of quality architectural firms. Our repeat design activity at most facilities indicated gives us an ongoing familiarity with the systems and allows us to provide a steady reference for the client.

AKRON GENERAL MEDICAL CENTER
Health & Wellness Facility
Akron, Ohio



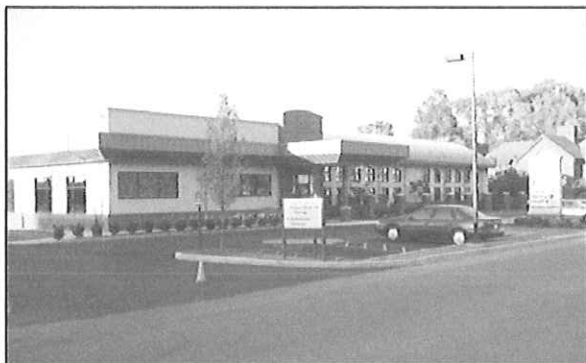
AKRON GENERAL MEDICAL CENTER
Health & Wellness Facility
Stow, Ohio

AKRON GENERAL MEDICAL CENTER
Akron, Ohio

ALLIANCE HOSPITAL
Alliance, Ohio

AULTMAN HOSPITAL
Canton, Ohio

BARBERTON CITIZEN'S HOSPITAL
Barberton, Ohio



CABELL HUNTINGTON HOSPITAL
Dialysis Center
Huntington, West Virginia

**CHILDRENS HOSPITAL MEDICAL CENTER
OF AKRON**
Akron, Ohio



CABELL HUNTINGTON HOSPITAL
Huntington, West Virginia

CAMDEN CLARK HOSPITAL
Parkersburg, West Virginia

CLEVELAND CLINIC FOUNDATION
Cleveland, Ohio

COSHOCTON HOSPITAL
Coshocton, Ohio

DUNLAP MEMORIAL HOSPITAL
Orrville, Ohio

EDWIN SHAW HOSPITAL
Akron, Ohio

**ERIE DOCTOR'S OSTEOPATHIC
HOSPITAL**
Erie, Pennsylvania

EUCLID HOSPITAL
Euclid, Ohio

FAIRVIEW HOSPITAL
Cleveland, Ohio

GEAUGA REGIONAL HOSPITAL
Chardon, Ohio

HILLCREST HOSPITAL
Mayfield Heights, Ohio

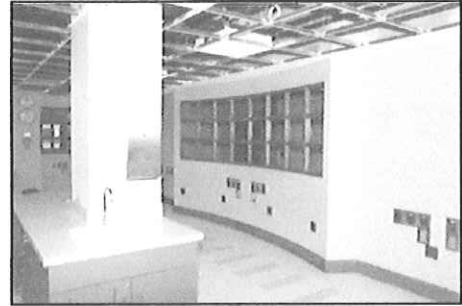
KAISER PERMANENTE
Akron, Ohio

KING'S DAUGHTER MEDICAL CENTER
Ashland, Kentucky





LAKE WEST HOSPITAL
Willoughby, Ohio



NICU-Maternity

LAKE EAST HOSPITAL
Painesville, Ohio

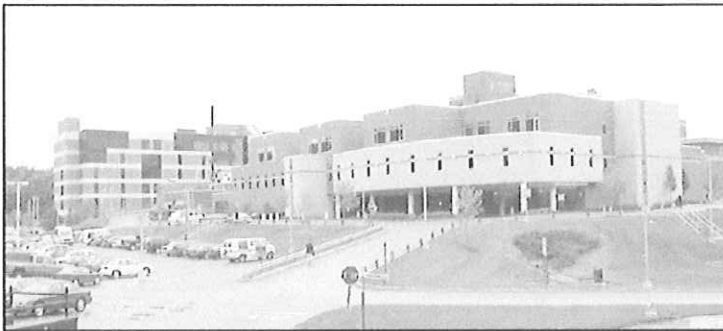
LAKEWOOD HOSPITAL
Lakewood, Ohio

LUTHERAN MEDICAL CENTER
Cleveland, Ohio

MANSFIELD GENERAL HOSPITAL
Mansfield, Ohio

MARYMOUNT HOSPITAL
Cleveland, Ohio

MASSILLON COMMUNITY HOSPITAL
Massillon, Ohio



MEDINA GENERAL HOSPITAL
Medina, Ohio

MERCY MEDICAL CENTER
Canton, Ohio

MONTGOMERY GENERAL HOSPITAL
Montgomery, West Virginia



**NORTHEASTERN OHIO UNIVERSITIES
COLLEGE OF MEDICINE**
Rootstown, Ohio

RICHMOND HEIGHTS GENERAL HOSPITAL
Richmond Heights, Ohio

SAINT ELIZABETH'S HEALTH CENTER
Youngstown, Ohio

SAINT MARY'S HOSPITAL
Huntington, West Virginia



**RAINBOW BABIES AND CHILDREN'S
HOSPITAL**
Cleveland, Ohio

ROBINSON MEMORIAL HOSPITAL
Ravenna, Ohio

SAINT JOHN HOSPITAL
Cleveland, Ohio

**Linear
Accelerator**



SAINT JOSEPH'S HEALTH CENTER
Warren, Ohio

SAINT LUKE'S MEDICAL CAMPUS
Cleveland, Ohio

SOUTHWEST GENERAL HOSPITAL
Middleburg Heights, Ohio

SAINT JOSEPH'S HOSPITAL
Lorain, Ohio

SAINT RITA'S HOSPITAL
Lima, Ohio

SUMMA HEALTH SYSTEMS
Akron City Hospital – Akron, Ohio
St. Thomas Hospital – Akron, Ohio



THOMAS MEMORIAL HOSPITAL
South Charleston, West Virginia



UNIVERSITY HOSPITALS OF CLEVELAND

Cleveland, Ohio

VA MEDICAL CENTERS

Cleveland, Ohio; Brecksville, Ohio; Huntington, West Virginia
Beckley, West Virginia; Clarksburg, West Virginia; Erie, Pennsylvania

WADSWORTH RITTMAN HOSPITAL

Wadsworth, Ohio

WOOSTER COMMUNITY HOSPITAL

Wooster, Ohio

YOUNGSTOWN OSTEOPATHIC HOSPITAL

Youngstown, Ohio



PROJECT EXPERIENCE

**Cabell Huntington Hospital
Bed Tower**

Scheeser Buckley Mayfield provided mechanical and electrical engineering design services for the addition of a new bed tower to the existing Cabell Huntington Hospital. The project includes a new emergency room, ICU/CCU rooms, NICU, maternity floor, and patient rooms. Total project area consists of 175,000 square feet of new construction and 50,000 square feet of remodeled areas. The electrical portion of the project involved the installation of redundant 12.47KV utility sources to an owner owned automatic throwover switch. 12.47KV distribution is fed



to multiple double-ended unit substations for generation of 480V and 208V power for the 175,000 square foot hospital addition. The hospital addition includes a new emergency department and includes integration with the existing emergency department. In order to maintain operation of the emergency department, a temporary emergency department was created and built which included two new elevators which are to serve the temporary emergency department and helipad. The addition included a medical-surgical ward, Labor-Delivery-Recovery (LDR) floor with 3 C-section operating rooms, an intensive care ward, a critical care ward, and a pediatric ward. The existing emergency power consisted of a 1500KW generator which was backed up by a 1250KW generator. The emergency power system was redesigned to include a 10,000 amp paralleling gear which connected these existing generators as well as the addition of two 1,750KW generators. The paralleling gear was connected to existing hospital distribution as well as provided emergency power to the patient tower via a 2,000 amp bus duct feed that was routed through the existing building to the new building. The 2000 amp distribution was then broken down into the three emergency power branches (life safety, critical, and equipment branches) via use of transfer switches. The transfer switches serving the north patient tower was interfaced with the paralleling gear to provide for priority load shedding in the event of generator failure.

**Cabell Huntington Hospital
Dialysis Clinic**

SBM provided mechanical and electrical design services for the Dialysis Clinic. This 15,000 sq. ft. Dialysis Clinic was constructed behind the hospital and provides dialysis service for the Tri-State area. The project was designed to be extremely user friendly and comfortable for the dialysis patients who need to endure multiple trips potentially to the facility each week. The building has 30 dialysis stations, doctors' offices, and support spaces.



The HVAC systems for the building consisted of a roof mounted air handling unit, multiple hot water boilers and direct digital controls. Electrical system consisted of a redundant power source arrangement with a generator backup. A conduit path system was designed to connect this new building with the existing hospital.

Cabell Huntington Hospital Children's Hospital

The Children's Hospital Project at Cabell Huntington Hospital consists of a 15,000 sq ft addition and 33,000 sq ft renovation of an existing patient wing. The new addition is a LEED Platinum building that includes a new entrance and waiting room for the Children's Hospital and an executive conference room. Features of the LEED construction include: green roof, solar panels, gray water plumbing system, and geothermal heating and cooling.

Cabell Huntington Hospital Emergency Room Renovation

SBM provided mechanical and electrical design services for the emergency room renovation which consisted of renovating about 15,000 sq. ft. of the hospital's existing emergency room to provide for a fast track area and also to improve traffic flow within the emergency room. Mechanical and electrical work consisted of extending and revising the existing systems within the emergency room.

The electrical portion of the project involved the renovation of the existing emergency room department while maintaining operation of the same. The project included extension of existing utilities and addition of electrical distribution to support the new loading in the space. Also included was replacement of all existing ceiling grid and light fixtures, replacement of the nurse call system with a new Rauland Responder system, and extension of existing fire alarm system into the renovated space.

Cabell Huntington Hospital Edwards Cancer Center 2nd Floor Surgical Oncology

SBM provided mechanical, electrical, and fire protection design for the finishing out of the second floor shell space of the Edwards Cancer Center. The renovated space included offices, exam rooms, and treatment spaces. The HVAC system for the building is variable air volume (VAV) with hot water reheat. The air distribution uses a packaged rooftop unit with supply and return fans, economizer, humidifier, sound attenuator, and multiple filter banks. Heating water piping was extended from the existing building's system to serve the renovated area. Steam piping was extended from the existing system to serve the RTU's humidifiers. Plumbing and fire protection systems were extended from the existing building to serve the area. The electrical design included lighting, power, fire protection, and electrical distribution to support the renovation requirements.

Cabell Huntington Hospital IVF Lab AHU Design

SBM provided mechanical and electrical design services for the conversion of 650 sq. ft. of existing hospital space to an In Vitro-Fertilization Lab. Project required a new custom air handling unit (AHU) to meet strict compliance with indoor air quality including significant restrictions on VOC levels. Unit consisted of chilled water coils, heating water coils, pre- and final filters, carbon and potassium permanganate filters and a humidifier. The humidifier required pure steam, so an RO water filtration system was included in the design that fed a heat exchanger to produce the humidifier steam. Unit also contained a mechanical room with a steam exchanger to produce heating water. SBM worked with the Owner to pre-purchase the AHU to meet the project schedule.

Electrical portion involved installation of a new dedicated panelboard to serve the space. This panelboard provided power for the air handling unit, exhaust fans as well as all other general loads in the space. Strict indoor air quality requirements necessitated the use of sealed light fixtures as well as the sealing of all wiring devices in order to maintain the proper air pressure requirements. Ceiling space was very limited and required significant coordination with mechanical ductwork and piping. Project involved the extension of the existing fire alarm system and to serve the space including shutdown control for the air handling unit. The hospital paging system was extended as well as installation of telecommunications (phone and data) to support the space.

**Cabell Huntington Hospital
Joan C. Edwards Comprehensive
Cancer Center**

This comprehensive cancer center is part of the Edwards Foundation at Marshall University. Project consists of a 50,000 sq. ft. addition situated in front of Cabell Huntington Hospital and the Joan C. Edwards School of Medicine. Building layout includes a ground, first and second floors. Concurrent design of a 5-story connector bridge to connect the addition to the existing hospital and atrium addition.



The building functions as a separate entity and required utilities to be separated from the other buildings located on campus. A new water service, gas service entrance and electrical service was designed for the building. The connector bridge and atrium additions were served from the existing infrastructure.

HVAC system consists of central station air handling units located on the second level of the facility and roof of attached atrium, a modular packaged boiler heating water plant, water cooled helical screw chillers and a direct digital control system. One of the air handling units is dedicated to serving the egress corridors. Use of an air handling unit to serve the egress corridors is a requirement particular to NFPA 90A and this requirement is



strictly enforced in the State of West Virginia. Having an air handling unit dedicated strictly for egress corridors increases the degree of difficulty in duct routing in the hospital tremendously especially when there are low floor-to-floor conditions such as in this addition. Air distribution system consists of VAV terminals with hot water reheat coils. Perimeter areas in the building with large amounts of glazing will have a separate radiant panel heating system.

Electrical portion included addition of new medium voltage switch to an existing lineup to serve a new unit substation located at the cancer center. Although connected to main power distribution for the campus, this medium voltage distribution is separately metered to allow for breakout costs associated with the energy usage of the cancer center. The unit substation provides 480V throughout the multiple floors as well as feeding normal power to the three emergency power branches (life safety, critical, and equipment) via use of multiple transfer switches. Existing hospital emergency power distribution was extended from the generator paralleling gear to serve the cancer center. Transfer switches and paralleling gear were interfaced to allow for shedding of non-priority loads in event of generator failures. Multiple specialized medical equipment areas were designed including two linear accelerators, PET scan, CT scan, CT simulator as well as public, private, and pediatric infusion areas. The existing server and dining areas were also renovated as part of the project.

**Camden-Clark Memorial Hospital
Minor Procedure Operating Room
Parkersburg, WV**

SBM provided design services for the addition of a minor procedure room at Camden Clark Hospital in the summer of 2004. This project needed to be done quickly. Challenges included the fact that this room was being installed in an existing recovery suite, and the systems serving this room also served adjacent surgery areas. Recovery suite needed to remain in operation during construction. SBM provided two designs over the course of the project to address these issues, with the final design selected being a rooftop unit and exhaust fan serving the space.

**Camden-Clark Memorial Hospital
Operating Room Renovation and MRI Suite
Parkersburg, WV**

SBM provided design services for the renovation of one operating suite at Camden Clark Hospital in the fall of 2002. This project was a fast track project and the hospital was undecided whether to install a new rooftop air-handling unit or connect to the existing surgery air handling unit ductwork. SBM provided designs for both options over a two-week period and ultimately the hospital elected to tie into the existing surgery air handling unit air distribution system.

The MRI project is currently in the planning phases for this facility. SBM assisted in the initial site selection locations for the MRI. Efforts included reviewing the existing mechanical and electrical infrastructure and providing the names and contacts of shielding contractors who we have worked with on other similar MRI projects in the State of West Virginia.

**Hospice of Huntington
Huttonsville, WV**

SBM provided mechanical, electrical, and telecommunication design services for a new 2-story, 22,000 square foot building. The areas included kitchen, office, lobby, laundry, and 14 patient rooms that had exterior access along the Ohio River. The Owner was invested in providing an environment that would be soothing and enhance the end of life experience for residents. Space was very limited for the mechanical and electrical equipment. Air cooled chiller was selected with sound attenuators for the compressor and condenser fans. Chiller needed to be extremely quiet due to the residential neighborhood setting. System is a four pipe boiler chiller system. Patient rooms have vertical four pipe fan coil units for individual heating and cooling control. A central station indoor VAV air handling unit serves the non-patient room areas and also provided fresh air to the patient rooms. Heating system has two copper fin modular boilers. The air cooled chiller is located 150 feet from the building and is connected via direct bury underground chilled water piping. Building has a standard sanitary and vent system and domestic hot and cold water system. The domestic hot water system has a master mixing valve. Building has a bulk oxygen system consisting of cylinders and has a central medical vacuum system. Building is fully sprinkled with a standard wet pipe sprinkler system. Electrical system has a pad mounted transformer with indoor switchgear. A diesel generator with a belly tank provides for limited emergency power. The lighting design included residential styled fixtures in order to bring warmth into the spaces and to provide for a home-like environment. Site lighting use was full-cutoff type, paying particular attention to the period style the project was seeking as well as being cognoscente of adjacent residential neighbors. Building has a structured wiring system with a central telecommunications closet.

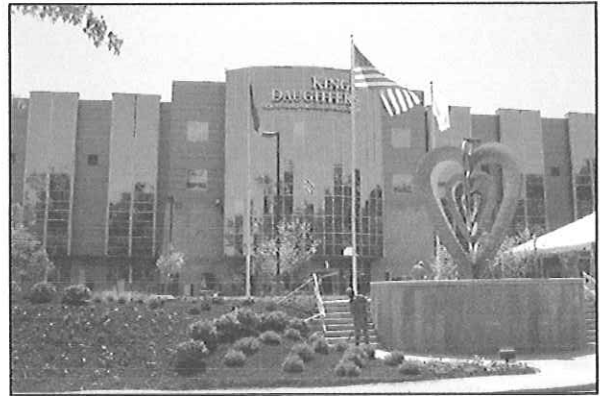


**King's Daughters Medical Center
Heart Center
3rd floor Interior Fit-out**

SBM provided engineering services for HVAC, Fire Protection, Lighting and Power for this project which consisted of approximately 38,000 square feet of patient bed rooms and support areas for the 3rd floor of the Heart Center including the shell for the 4th floor. HVAC system consists of a central station air handling located on the same floor. Special attention was given to noise control due to the proximity of the mechanical equipment with respect to patient rooms. A steam to water heat exchanger with associated heating water pumps were designed to accommodate the heating loads of the 3rd and future 4th floor fitout. Exhaust ductwork was extended to serve this floor and the future 4th floor. Chilled water and steam piping capped from the previous project was extended for this project and the future 4th floor. The air distribution consisted of VAV terminal units with hot water reheat coils.

**Kings Daughters Medical Center
Heart Center
Ashland, Kentucky**

SBM LLC performed mechanical, electrical and civil design for a new 200,000 sq. ft., 5-story addition to the existing hospital building. Future capacity was designed into the building to support five additional stories. Design included lighting, receptacles, and systems devices for 70+ patient rooms, 9 Cath/EP labs, and various other spaces. HVAC system consists of central station air handling units located in the basement. Chilled water and steam from the facility's existing chiller plant and boiler plant were extended to serve the new addition and interconnected with the utility services serving the M.O.B. to provide a system loop. The air distribution system consists of VAV terminals with hot water reheat coils. A smoke control system was designed to accommodate the 2-story atrium with design considerations given to the addition of future floors and extension/relocation of the smoke control fans located on the roof of the addition. Chilled water and steam/condensate piping were sized and roughed-in for future 10-story expansion. A large portion of the project involved relocating existing underground steam, chilled water, storm, sanitary, fire, and electrical utilities from within the footprint of the new addition. An early site utility relocation package was issued to help facilitate the fast track pace of the project. Phasing of the utility relocation was critical to minimize system downtime. Project also included installation of a new 400 bhp boiler, upgrades to existing boiler flue stacks, and a new deaerator system to increase Boiler Plant capacity.



**King's Daughters Medical Center
HVC – First Floor Data Room**

SBM provided mechanical and electrical design services for approximately 850 sq. ft. of renovation to the Data Center (cold room) at King's Daughters Medical Center. Project required keeping the existing data center equipment operational during construction, and required careful phasing and coordination with the hospital's IT Department. Hospital needed redundant UPS sources and HVAC equipment for computer equipment to eliminate single points of failure for electrical and HVAC systems serving the Data Center. Computer room electrical system was upgraded to provide a redundant 80KVA UPS back-up system, commonly referred to as N+1. UPS systems were supplied from the hospital's emergency generator system. Electrical for the HVAC system was supplied by redundant electrical feeds supplied by generator system. All equipment was supplied with dual electrical feeds from separate UPS systems, each system capable of providing power for the entire data center electrical load. System consisted of 2 DX computer room air conditioning units located on the roof above the data room within a custom enclosure. Supply and return air is ducted to provide cooling for the data room.

**King's Daughters Medical Center
Power Plant Expansion**

SBM LLC performed mechanical and electrical design for addition to existing Power Plant. Electrical design included the design of a chiller plant expansion. Design included upgrading the existing 400A, 12.47KV primary and secondary service to 600A. Coordination with the power company included new metering and incoming service entrance. 12.47V distribution was extended from a manhole downstream of the existing main distribution panel to a new 400A medium voltage line-up in the chiller plant addition. Future switches were designed in this line-up for future Medical Plaza Building and Heart Center buildings. Existing 1500KVA was removed, rotated for space for the addition, and then reinstalled and connected to a new 6000A paralleling gear. A new 1500KVA generator was designed in parallel with the existing emergency generator. A temporary generator was designed to provide emergency power throughout the installation of the parallel setup. Existing hospital was then backfed through the new parallel emergency power system. Additional emergency

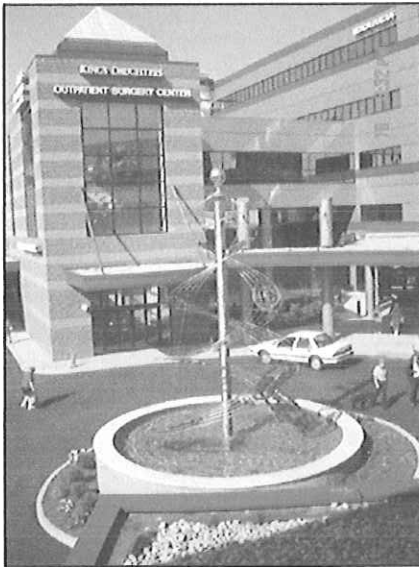
distribution was provided for the new Medical Plaza Building and Heart Center. 480V power was also designed by extended a 3000A feeder duct to a new switchboard and the new chiller and cooling towers were fed a 480V with a motor control center in the new addition. Lighting in the new space was metal halide at 277V and the existing fire alarm system was extended into the new addition.

HVAC design included the addition of one 900 ton chiller and 2 – 1100 ton cooling towers. New chiller was tied into the existing chiller plant with space allotted for a future 900 ton chiller. The new cooling towers were piped separate from the existing cooling tower system and were interconnected to provide partial system redundancy.

Project also included a 130 ft. long - 9 ft. diameter underground utility tunnel which was hand excavated under the Hospital and was used to extend steam, fire protection, chilled water, pumped condensate, and electrical service to the M.O.B. Addition.

King's Daughters Medical Center Medical Office Building Plaza B

SBM LLC performed mechanical and electrical design for a new 75,000 sq. ft. medical office building. Electrical design included the design of three floors, approx. 70,000 sq. ft., of medical lease space. The building is expandable up to ten stories so future capacity was designed into the building to support six stories initially with medium voltage growth to ten stories. Design included lighting, receptacles, and systems devices for each office space/suite. 12.47 KV was extended from the main hospital building through a tunnel system under Medical Plaza Building A to a 2000KVA indoor dry type substation stepping down to 480/277V distribution voltage. Main electrical rooms were design on each floor, stacked, stepped down to 208/120V and distributed to each tenant space. Lighting throughout the building was 277V. The fire alarm system was designed for high rise construction so a voice system was design with future fire fighter telephone jacks located at each stairwell. Lighting protection was designed for future extension of the building. Site design included lighting of a reflecting pool and sculpture. Life safety power was extended from the main hospital's emergency power distribution system through the tunnel to a transfer switch located within the medical plaza building. As with normal power, life safety power was design for future growth to 10 stories.



The HVAC system for the building consists of central station air handling units located in the basement of the addition. Chilled water and steam from the facility's existing chiller plant and boiler plant were extended to serve the new addition. The air distribution system consists of VAV terminals with hot water reheat coils. Chilled water and steam/condensate piping were sized and roughed-in for future 10-story expansion.

Thomas Memorial Hospital Cardiology Suite

Project consisted of approximately 6000 square feet of fit-out of the existing Medical Office Pavilion. Area consisted of one Cath Lab and one future Cath Lab along with support areas. The HVAC consisted of VAV terminal units with hydronic reheat coils which is connected to the existing ductwork and hydronic piping capped for future extension under a previous project.

Thomas Memorial Hospital Medical Office Pavilion and Hospital Addition

This 85,818 sq. ft. office building hospital is a major addition to the facility. The building is a 4-story structure plus basement. Project was constructed in a multiple bid package construction delivery method with the building foundation, shell, and tenant fitouts being issued under separate contracts.

The Basement of the building houses the new hospital laboratory and support offices and also serves as home to the buildings main electrical service, mechanical room, and new data center. The main entrance on the First Floor was designed with patient comfort in mind. The main lobby serves as registration and contains a Starbucks Coffee Shop. The First Floor of the building also houses the expanded radiology department and diagnostic cardiology. The new cardiology area is equipped with a state of the art Cath Lab. The upper floors of the building are tenant office spaces.

Electrical design for the building included a new generator and emergency distribution along with an extension of the medium voltage service switchgear. Project budget allowed for use of an extensive architectural lighting package that complimented the overall interior and exterior scheme of the building. Decorative wall sconces, table lamps, and a variety of perforated direct/indirect fixtures were used to accomplish this. The building design also accommodated a Starbucks located in the main lobby. Electrical services were designed to incorporate the café into the building. A new network fire alarm system was put in place for the addition and a major fire alarm upgrade was incorporated into the existing hospital system to allow facilities to have a single point of reference for all alarms. The existing hospital intercom and paging system was removed and replaced with new racks, amplifiers, and communication devices. This service was then extended to the new state-of-the-art lab located in the lower level of the building.

**St. Mary's Hospital
Ambulatory Care Building
and South Addition
Huntington, West Virginia**

Ambulatory Care: The design for this 60,000 sq. ft. ambulatory care building including approximately 20,000 sq. ft. of hospital surgery prep space and 40,000 sq. ft. of medical office tenant lease space. Electrical features designed into this building included a 100 kW natural gas emergency generator with a custom roof top enclosure, complete addressable fire alarm system, a microprocessor audiovisual nurse call system, and complete cable TV infrastructure. Other features include electrical accessibility for a portable MRI and CT scanner tractor trailer units, the mechanical design included three (3) custom roof top units coupled with pneumatic controls for cost effective heating/cooling systems. Unique features also involved with this room included isolation rooms and a complete medical gas system for minor procedure rooms. Elevator design included power wiring for each elevator controller from the buildings distribution system as well as cab lighting. Elevator breakers were provided with shunt trip capabilities if the shafts, machine rooms and pits were sprinklered. Controllers were also tied in to the building fire alarm system as required for elevator recall (fireman's service functions). All functions were designed to NFPA, OBBC and ANSI/ASME codes and requirements that were applicable at the time of design.

South Addition: This project involved adding two stories of 40,000 sq. ft. of additional surgery support, operating rooms and mechanical equipment space to the existing St. Mary's facility. Electrical design included a new 4160 volt service entrance which was back fed with the existing 4160 volt service entrance for two sources of utility power, step down substation distribution, division of the essential power system and extension of the existing emergency distribution, and isolated power panels in each of the additional OR's. Special features included mechanical electrical coordination to reduce emergency loads by limiting the output of the air handling units in the emergency condition. In addition to electrical design of the new space, strategic loads located in the facility were backfed from the new service reducing the existing limit capacity electrical service.

**St. Mary's Hospital – Heart/Cath Lab Renovations
St. Mary's Hospital – Cath Lab #2 Renovations**

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

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.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Bastian & Harris, Architects, PLLC

Authorized Signature: [Signature] Date: 30 May 2013

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 30th day of May, 2013.

My Commission expires MARCH 3, 2020

AFFIX SEAL HERE

NOTARY PUBLIC Charlotte R. Jensen

Purchasing Affidavit (Revised 07/01/2012)

