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**Header**
[List View](#)
**General Information**
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Procurement Folder: 117145

Procurement Type: Central Contract - Fixed Amt

Vendor ID: 000000210064



Legal Name: BASTIAN &amp; HARRIS ARCHITECTS PLLC

Alias/DBA:

Total Bid: \$0.00

Response Date: 08/26/2015



Response Time: 13:55

SO Doc Code: CEOI

SO Dept: 0310

SO Doc ID: DNR1600000001

Published Date: 7/24/15

Close Date: 8/27/15

Close Time: 13:30

Status: Closed

Solicitation Description: AE services for Model Cabin Project



Total of Header Attachments: 0

Total of All Attachments: 0



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

State of West Virginia  
Solicitation Response

Proc Folder : 117145

Solicitation Description : AE services for Model Cabin Project

Proc Type : Central Contract - Fixed Amt

Date issued	Solicitation Closes	Solicitation No	Version
	2015-08-27 13:30:00	SR 0310 ESR08261500000000698	1

VENDOR

000000210064

BASTIAN & HARRIS ARCHITECTS PLLC

FOR INFORMATION CONTACT THE BUYER

Guy Nisbet  
(304) 558-2596  
guy.l.nisbet@wv.gov

Signature X

FEIN #

DATE

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Architectural engineering				

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description :	Architectural engineering

# Expression of Interest

Solicitation No. CEOI 0310 DNR1600000001

27 August 2015

## DIVISION OF NATURAL RESOURCES STATE PARK MODEL CABIN RENOVATIONS



Introduction

Firm Profiles

Resumes

Projects

References

300 Summers Street, Suite 1200, Charleston, West Virginia 25301-1630

Phone: 304/342-2151 Fax: 304/342-2197 [bastianandharris.com](http://bastianandharris.com)





27 August 2015

Division of Natural Resources  
West Virginia State Parks  
324 4<sup>th</sup> Avenue  
South Charleston, WV 25303-1228

RE: A/E Services for Model Cabin Project

Dear Selection Committee,

We are pleased to submit our expression of interest for providing the architectural and engineering services for the proposed remodeling of the state park cabins and cottages. We are excited for the prospect of assisting in providing these much needed upgrades. B&H is a relatively small architectural firm that specializes in personal service. Projects run the gambit from large to small and include Caperton Center Conference Facility, John Marshall Commons at Marshall University and their newly completed Applied Engineering Complex to residential back porch additions. We recently completed the 3-bedroom condo units at Eagle View overlooking Charleston and several custom residences in the Charleston area. Hospitality related projects include additions and renovations to several local hotels including Hampton Inn, Holiday Inn, and Comfort Inn.

We are familiar with the CCC era cabins and the modern cabins constructed in our various state parks. Recognizing particularly the historic significance of the CCC era cabins, we have provided historic tax credits for commercial properties for downtown Charleston and have worked with the US Department of Interior to maintain the integrity and historic fabric of these structures. I would anticipate that similar skills will be necessary in providing sensitive upgrades. Additionally, we continue to remain versed in providing ADA accessibility and have provided renovations for Kanawha County Schools and Marshall University for much needed compliance upgrades.

We maintain that the individuals involved in the initial concepts remain actively involved in all phases of the construction project. This small studio approach eliminates breakdown of internal communication as the individuals involved from the beginning are also there not only during the construction documents but also the construction administration and closeout phases. This hands-on approach as well as a history of thorough and complete construction documents has been the hallmark of our successful practice. Early identification of cost is always critical in maintaining project budgets. Our thorough knowledge of recent construction methods and cost can assist in establishing early construction budget. We maintain close communication with marketplace during the schematics, design development and construction document phases of the project to minimize surprises on bid day. This is accomplished by engaging local contractors, subcontractors and suppliers with real time construction cost estimates. This attention to detail and complete documentation has also led to an extremely low change order rate among our projects.

We are also versed in providing A/E services for projects that need to remain in operation. Our recent experience with renovations and additions to numerous car dealerships in the Kanawha valley and the Charleston / Huntington corridor has demonstrated our sensitivity to maintaining full operation of important customer oriented services. Additionally, our K-12 and higher education work is generally always during periods when buildings must remain occupied or within a small window of time while school is closed. Scheduling of critical dates is always a factor.

Our ability to manage internal resources as well as reaching out to external consultants for mechanical, electrical and plumbing requirements allows us to maintain to schedules. Current workload is such, having such completed a major \$50 million project at Marshall University and are currently finishing up dormitory renovations at Berea College which we are doing with a St. Louis architectural firm, allows us to devote significant time to meet even the most aggressive of schedules.

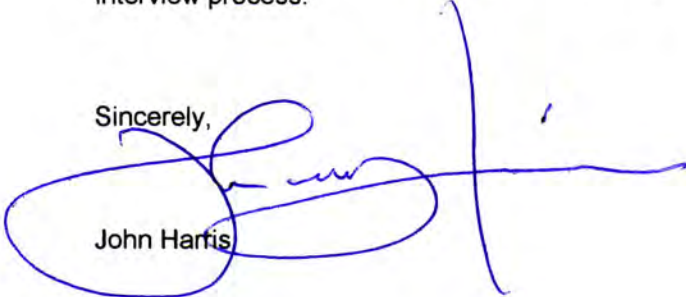
We do not, however, do these projects alone. For this project, based on their previous experience within the State Park system, we have chosen to team with consulting engineer CMA for all the mechanical, electrical and plumbing needs for the project. Our history with CMA dates back to the early establishment of their firm. Most recent project includes New Readiness Center for the Army National Guard in Moorefield, West Virginia.

The attached brochure highlights several of the projects which we have recently been involved. We think this demonstrates a vast variety of project types and the ability to tailor architectural design to the individual project needs.

We look forward to the opportunity to presenting our insight for the development of your project during the interview process.

Sincerely,

John Hartis







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

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

Proc Folder: 117145

Doc Description: AE services for Model Cabin Project

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Date Issued	Solicitation Closes	Solicitation No	Version
2015-07-24	2015-08-27 13:30:00	CEOI 0310 DNR1600000001	1

**BID RECEIVING LOCATION**

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

**VENDOR**

Vendor Name, Address and Telephone Number:

Bastian & Harris, Architects, PLLC  
300 Summers Street, Suite 1200  
Charleston, WV 25301-1630  
304-342-2151

**FOR INFORMATION CONTACT THE BUYER**

Guy Nisbet  
(304) 558-2596  
guy.l.nisbet@wv.gov

Signature X

FEIN # 55-0765885

DATE 08/27/2015

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



ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.:

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.

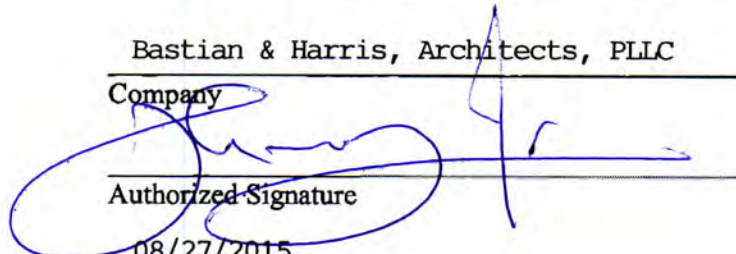
Addendum Numbers Received:  
(Check the box next to each addendum received)

<input 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 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

08/27/2015

Date

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

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: 08/27/2015

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 27<sup>th</sup> day of August, 2015.

My Commission expires MARCH 3, 2020

AFFIX SEAL HERE



NOTARY PUBLIC

Charlotte R. Jensen

Purchasing Affidavit (Revised 08/01/2015)



**CERTIFICATION AND SIGNATURE PAGE**

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

Bastian & Harris, Architects, PLLC

(Company)

 , John Harris, Member

(Authorized Signature) (Representative Name, Title)

304-342-2151 - 304-342-2197 - 08/27/2015

(Phone Number) (Fax Number) (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 Architects offers full service architectural designs to their clients while remaining small and personal. The 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, each 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.

Recent projects completed by the firm include higher education, secondary education, commercial, retail, hospitality, military, health care, automotive dealerships, churches and tenant build-outs. Budgets for these projects ranged from \$50,000 up to \$50,000,000. Bastian & Harris Architects have the proven experience and capabilities to provide services for a broad range of project sizes and types.

In May 2006, Chris Campbell joined the firm of Bastian & Harris Architects and brought ten years of previous experience consisting of higher education and secondary education projects throughout the state of West Virginia. Doug Bastian retired from the firm in July 2015 and he continues to provide consulting services for the firm. John and Chris 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  
jharris@bastianandharris.com  
ccampbell@bastianandharris.com





# 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.

Resume

## Education

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

## Registration/License

Licensed in West Virginia 1982 -- Virginia 2002  
Certification by National Council of Architectural Registration Boards

## Affiliations

American Institute of Architects; AIA West Virginia, Board of Directors 1983-85 and 2005-Present, VP President Elect 2010; AIA West Virginia Scholarship Committee; Council of Education Facilities Planners; US Green Building Council; WV 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

### Marshall 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

## 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  
Bert Wolfe Toyota - Additions and Renovations  
Lester Raines Honda - Addition and Renovations  
River City Ford - Renovations  
River City Subaru - Renovations  
Moses Honda-Volkswagen - Huntington - Addition & Renovations  
Moses Cadillac/Buick/GMC - Charleston - New Showroom Building and Service Renovations  
Moses Cadillac/Buick/GMC - Huntington - New Showroom Building and Service 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  
Fairmont State College Wallman Hall  
Fred Eberle Technical Center Re-Roofing  
Glenville State College  
Physical Education Building Elevator  
Addition  
Physical Education Building Roof  
Replacement  
Fine Arts Building Roof Replacement

Eastern WV Community and Technical College  
Classroom / Laboratory / General  
Support Building  
Distance Learning Classrooms

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

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

# Projects

## Commercial

Enhancements to Caperton Center (Tamarack)  
South Hills Shopping Center Renovations  
Holiday Inn Renovations - Civic Center  
Buckhannon Toyota  
Bert Wolfe Toyota Addition and Renovations  
Moses Automotive  
    Factory Outlet - Southridge & Teays Valley  
    BMW Addition & Renovations  
    Honda / Volkswagen Dealership  
    Cadillac / Buick / GMC - Charleston  
    Cadillac / Buick / GMC - Huntington  
    Fiat Showroom Expansion  
    Ford Showroom Expansion  
    Ford / Lincoln Pre-Owned Enhancement  
Goldy Chrysler Jeep Dodge Ram New Facility  
Joe Holland Chevrolet  
Renovations to River City Ford  
Renovations to River City Subaru  
Renovations to L&S 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



# 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.



*Projects*

**B&H**  
Bastian • Harris  
ARCHITECTS

# 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 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.



*Projects*

**B&H**  
Bastian • Harris  
ARCHITECTS





# 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.



*Projects*

**B&H**  
Bastian • Harris  
ARCHITECTS



*Projects*





# 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

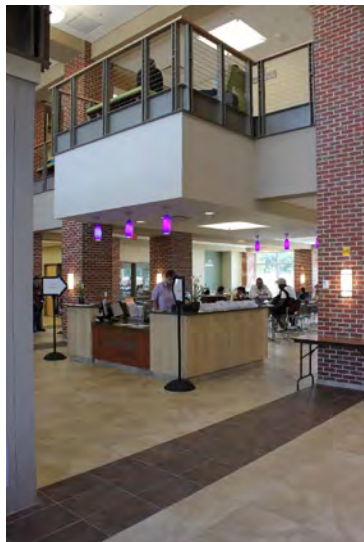
General Contractor:  
Morgan-Keller Inc.  
70 Thomas Johnson Drive, Suite 200  
Frederick, MD 21702  
301/663-0626



Projects

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# Eastern WV Community & Technical College

Classroom/ Laboratory/ General Support Building  
Moorefield, West Virginia

Projects



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

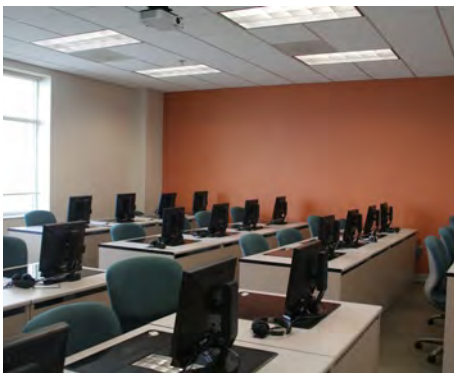
General Contractor:  
G&G Builders, Inc.  
500 Corporate Center Drive Suite 550  
Scott Depot, WV 25560  
304/757-9196



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.



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# West Virginia Wesleyan College

Virginia Thomas Law Center for Performing Arts  
Buckhannon, West Virginia

Projects



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

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

#### General Contractor:

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



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# Tamarack

Enhancements to Caperton Center  
Beckley, West Virginia

Projects



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

Projects



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

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

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

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.



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# Automotive Dealerships

Various Dealerships and Manufacturers

Projects



Bastian & Harris Architects has experience with several automotive manufacturers facility image programs and can provide design assistance for your dealership. Completed projects include new facilities, additions, renovations, new showrooms, multi-manufacturer dealerships, service departments, and exterior / interior finish upgrades.

## Completed Projects

Additions and Renovations to Buckhannon Toyota  
Moses Automotive

Factory Outlet - Southridge & Teays Valley

Honda / Volkswagen

Cadillac / Buick / GMC Downtown - Charleston

AutoMall Cadillac / Buick / GMC - Huntington

Fiat & Alfa Romeo

Ford Showroom Expansion

Ford / Lincoln Pre-Owned Enhancement

Goldy Chrysler Jeep Dodge Ram New Facility

Joe Holland Chevrolet

Renovations to Bert Wolfe Ford

Additions and Renovations to Bert Wolfe Toyota

Renovations to L&S Toyota

Renovations to River City Subaru - Huntington



## Projects Currently Under Design / Construction

Additions and Renovations to Lester Raines Honda

Additions and Renovations to Moses BMW

Renovations to River City Ford

Renovations to Bert Wolfe Pre-Owned



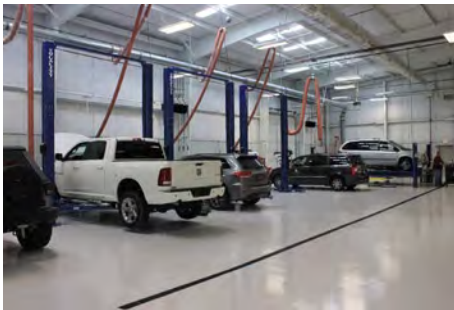
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# Automotive Dealerships

Various Dealerships and Manufacturers

Projects





# Adaptive Reuse Projects

Miscellaneous Projects involving adaptive reuse of historic downtown Charleston properties. In each case, buildings were rehabilitated using US Department of Interior criteria and each received certification from the National Park Service to qualify for historic tax credits.



*Projects*

# Ability to Respond Expeditiously

As a Charleston based architectural firm we are centrally located to provide services and visit project locations on a regular basis during design and construction. Our approach typically remains the same whether we are dealing with large or small projects. This approach affords Bastian & Harris, Architects the ability to respond to Owner's needs quickly and provide construction administration services in a very timely and expeditious manner. We take pride promptly in our abilities to review shop drawings thoroughly and efficiently, respond to Contractor generated questions and provide the Owner a sense of assurance that the project is proceeding in accordance with the with the contract documents.

As stated in our cover letter and firm profile, Bastian & Harris, Architects has recognized the need to enhance our abilities with independent consultants. We feel that the best mechanical, electrical, and structural engineers typically own their own firms rather than practicing as part of a larger organization. This has allowed us to remain relatively small and better weather down turns in economy. It also allows us to focus on a relatively smaller work load of select projects instead of consistently looking for work with every project that comes out. It is this ability to include MEP and Structural consultants that allows our smaller firm to undertake projects ranging from \$500,000 to upwards of \$50 million.

In addition, we have demonstrated over the years the ability to team with nationally recognized architectural consultants to further enhance our expertise where Owners projects dictate a larger presence or require specific project experience. In the past, we have teamed with firms such as Einhorn Yaffee Prescott out of Washington, DC or Hastings & Chivetta from St. Louis, Missouri when specific project needs dictate.

*Ability to Respond Expeditiously*

# Partnership & Customer Service

The philosophy of Bastian & Harris, Architects is predicated on the desire to establish a long term relationship with all clients. Because of this, quality control during the production of all services becomes key. It is our belief that change orders are eliminated during the Construction Document Phase and therefore do not become a management issue during the Construction Administration Phase. We take this into consideration in selecting the MEP and structural for each project. Our continued use of these principal consultants is due to their ability to coordinate during preparation of construction documents and to provide clear and concise plans and specifications centered around the Owner's guidelines and standards.

Likewise, specification sections fully delineate the requirements for Contractor to provide complete and well catalogued Operations and Maintenance Manuals as part of the closeout procedures. Final payments are never authorized to a Contractor unless this documentation has been submitted and accepted by the Owner. This frequently will include video records of Owner training session for systems within the building. This generally includes temperature controls and technology and security systems along with any other specialty systems such as audio-visual or theatrical lighting controls.

As a small firm, we believe that providing a continuity of personnel enhances our ability to provide quality control throughout the project. This continuity of personnel between the initial design, throughout the design and construction document preparation, as well as through the construction administration and closeout procedures allows Owner a one source of contact for all disciplines.

This methodology has served us well and resulted in multiple projects for Kanawha County Schools and Marshall University where we have established long-term relationships with personnel responsible for their construction projects. Apart from a desire to do a good job, delivered in a reasonable time, on budget, and with fair compensation, we really do not have specific project management tools or clearly defined procedures. It simply boils down to a desire to commitment and providing quality architectural services to each and every client.

# 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

Ikie Light, Owner  
River City Subaru / River City Ford  
5223 US Route 60 East  
Huntington, West Virginia 25705

Phone: 304/736-7777

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

Phone: 304/260-4380

Bob Moses, Owner  
Moses Cadillac Buick GMC  
1406 Washington Street, East  
Charleston, West Virginia 25301

Phone: 304/343-5534

Charles Wilson, Executive Director  
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

Phil Parsons, Customer and Public Relations Manager  
Bert Wolfe Toyota  
1900 Patrick Street Plaza  
Charleston, West Virginia 25312

Phone: 304/344-1601

Romie Mundy, 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





824 Cross Lanes Dr. Charleston, WV



5 Riddle Court, Morgantown, WV

### ***Services***

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

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

### ***History***

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

### ***Experience***

For over 29 years, CMA has provided electrical and mechanical design and contract administration services to various projects throughout West Virginia. These facilities and projects range from the new West Virginia National Guard armories at Moorefield and Elkins to the new WVDOT headquarters in the various districts to the electrical design and specifications for the New Summit Bechel National Scout Reserve. Many times, special site-related issues have complicated design due to remote locations, poor water quality or pressure, unreliable local power systems, etc. CMA has consistently met the challenges and exceeded expectations by customizing design to address all concerns while staying within project schedules and budgets.

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



## Timothy L. Cox, P. E., CBCP

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

### Education

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

### Registrations/Professional Affiliations

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

### Experience

Timothy Cox, President and Senior Mechanical Engineer of CMA Engineering, brings 32 years of mechanical and plumbing design experience to our clients. Timothy is a Certified Building Commissioning Professional through Association of Energy Engineers.

### Project Experience

#### Design/Build-Criteria Development

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

#### Educational Facilities K-12

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

#### West Virginia University-Open End Contract since 1999

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

#### Military Experience

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

#### Mylan Pharmaceuticals, Morgantown, WV

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

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

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

### **Education**

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

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

### **Registrations/Professional Affiliations**

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

### **Experience**

Daniel Ellars, senior electrical engineer for CMA Engineering, brings 23 years of electrical design and project management experience to our clients.

### **Project Experience**

#### **Recreational Facilities**

Summit Bechtel National Scout Reserve  
Canaan Valley Ski Resort

#### **Educational Experience**

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

#### **Military Experience**

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

#### **WV Department of Transportation**

New District 1 Administration Building  
New District 8 Administration Building  
New District 7 Administration Building

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## Matthew C. Corathers, P.E.

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

### Education

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

### Registrations/Professional Affiliations

Registered Professional Engineer in WV  
ASHRAE  
WV Society of Healthcare Engineers

### Experience

Matthew Corathers, mechanical engineer, brings nine years of Mechanical design experience and project management to our clients.

### Project Experience

#### Health Care Experience

Davis Memorial Hospital-New Addition  
Davis Memorial Hospital-Laundry Renovation  
Davis Memorial Hospital-Procedure Room Renovations  
Monongalia General Hospital- Pharmacy Clean Room Modifications  
Monongalia General Hospital-Computer Server Room Modifications

#### Military Experience

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

#### Educational Facilities

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

#### West Virginia University

New Child Care Facility  
New Intermodal Parking Facility  
Laboratory Renovations to Engineering Science Building

#### Municipal Buildings

Monongalia Family Court Renovations  
New Walnut Street Sheriff's Office  
Randolph County Family Court

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## Larry A. Weese

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

### Education

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

### Professional Development

Various seminars and technical sessions

### Experience

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

### Project Experience

#### Medical Facilities

Davis Memorial Hospital– Addition  
Louis A. Johnson Veterans Hospital-Laboratory Renovations  
Louis A. Johnson Veteran’s Hospital-Solarium Renovation  
Hess Medical Office Building-New Facility  
Southern West Virginia Hospice-New Facility  
NorthGate Doctor’s Office Building-New Facility  
Mercer County Nursing Home

#### Military Facilities

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

#### Emergency Response Facilities

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

#### Industrial Experience

Standard Laboratories-Laboratory Addition  
Dow Process Control-New Facility  
Diamond Electric-Expansion

#### Commercial Experience

Bobcat of Advantage Valley-New Facility  
Allegheny Springs Restaurant

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## Summit Bechtel National Scout Reserve



CMA Engineering provided the electrical designs and specifications for the recently completed Summit Bechtel National Scout Reserve (SBNSR) at Mount Hope, WV. SBNSR is to serve as the new permanent home and headquarters for the Boy Scouts of America (BSA) for their quadrennial National and World Jamborees and for their annual High Adventures and other various activities and events. CMA was instrumental in the early design phases of the project to ascertain the specific needs of the BSA for the facility, to identify required power loads, and to prioritize these loads in order of their necessity. Working closely with the BSA, with a host of their national and international consultants, and with American Electric Power (AEP), CMA compiled load data and made calculations of various power scenarios for the campus. A maximum of 7 MegaWatts was allowed for the facility and the designs were completed based on value. As a result, over 20 miles of single-phase and three-phase medium-voltage cables and the associated conduits were installed underground along the roadways for the new campus comprising six different campsites and a core area spread over more than 1,000 acres. When completed, the core area is to include an amphitheater, bus terminals, visitor's center, zip-line stations, and a museum and headquarters office building for the BSA. Three separate medium-voltage circuits were provided to the west end of the site by AEP and a switching station was set up at the east end to serve the dozens of loop-fed, pad-mounted transformers which were distributed around the site at key locations to minimize voltage drop and to provide a high level of power reliability. All power and telecommunications cabling and conduits are underground. Six cellular towers on the site work in conjunction with 125 individual wireless stations at the campsites to provide wireless capabilities to all of the occupants. CMA also provided lighting and power design for the 375 bath houses on site and coordinated the interconnections between them and the campus infrastructure. The BSA recently christened the site this past summer of 2013 with its first National Scout Jamboree.



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CMA Engineering provided the electrical designs and specifications for the renovations and upgrades for the winter ski facilities at Canaan Valley Resort and Conference Center. The improvements included interior remodeling of three of the existing buildings for skier services and support adjacent to two of the three main lift stations, plus a new skier warming and rest station for the relocated tube run park. Interior remodeling work included lighting, HVAC and plumbing fixture replacements. Exterior work included renovations of an outdoor plaza for skiers with pole lights and a fire pit. Two new skier conveyors were added at the site, one for a new beginners slope area and one for the new tube run park. Exterior, weatherproof, pad-mounted 480-volt, three-phase switchgear was installed at the base of the two main lifts to serve the new conveyor, site lighting and new snow making equipment for the ski slopes and at a water booster pumping station at the mid-point elevation. Similar switchgear and a transformer were installed to serve the new buildings at the tube run park, site lighting, conveyor and snowmaking equipment for the tube run slopes. New exterior lighting fixtures and hinged poles were installed adjacent to the new conveyors to provide night use of the facilities. Two existing 208-volt, three-phase power services were upgraded for the improvements. Power services for the existing buildings were upgraded to provide both ground-fault and surge protection. CMA worked closely with Monongahela Power, the local power utility, on the power services and improvements and coordinated with another electrical design consultant at the site to provide new fiber-optic telecommunications services between the ski area facilities and the Park's main lodge while other renovations were in progress at the lodge.

Owner Contact: Bradley S. Leslie, P.E.  
WV Division of Natural Resources  
(304) 558-2764 Ext. 51823

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## Falcon Center- Fairmont State University



CMA Engineering provided mechanical, electrical and plumbing design services for the new 113,000sf student recreation center at Fairmont State University. The facility features a four-lane lap pool, whirlpool and sauna; two large gymnasiums, a 7,000sf fitness equipment room, indoor running track, kitchen, dining and conference center, bookstore, copy center, Student Health Services, Student Government Offices and Public Safety Offices.



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CMA Engineering provided mechanical, electrical and plumbing design for new 16,118st facility which houses Erickson Alumni Center, the Wilkes Family Chapel, the Wilkes Museum and offices. The lower level includes space for a future banquet hall.

## **WVNG Elkins Readiness Center**



CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, and electrical systems for new 54,500sf readiness center, which included a 3,227sf free standing vehicle maintenance building. The center includes classrooms, computer labs, a fitness center and a recreation room with a basketball court. All systems were designed utilizing LEED criteria.

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**Residence Halls-University of Charleston**

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for the design/build of two new four-story Dormitories, constructed during the summers of 2004 and 2005. In 2005 CMA provided design for the addition of a wing to the second dormitory.



**Fairfield Inn, Morgantown, WV**

CMA Engineering provided HVAC, fire sprinkler, fire alarm, plumbing, electrical lighting/power and communications design for new 95 room facility of approximately 50,000sf with a 10,000sf open 3 commons area.



**Silver Tree Suites, Deep Creek, MD**

CMA provided mechanical, electrical, plumbing, fire protection and fire detection design services for new 30,000sf residential complex consisting of four floors.



**Jefferson Place, Charleston, WV**

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for new medical apartment complex consisting of 24 units of one, two and three bedroom apartments.



**Camp 4, Snowshoe, WV**

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for town-house complex consisting of four buildings with four 1,600sf units per building.



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### **Greenbank NRAO Visitors Dormitory**

CMA Engineering provided mechanical, electrical, plumbing and fire sprinkler design services for the new visitors dormitory at Greenbank. CMA also provided design services for the new visitors science center.



### **Bed Suite Housing Residence Hall**

CMA provided mechanical, electrical, plumbing and fire sprinkler design services for developing the design build criteria for the new 110,000sf bed-suite housing residence hall.



### **Beech Fork State Park**

CMA Engineering providing mechanical, electrical and plumbing design services for 8 new cabins, a new bathhouse, 237 camping sites and sewage treatment system.



### **Snowshoe Mountain Resort**

CMA Engineering provided design for HVAC, electrical, plumbing, fire alarm and fire sprinkler systems for new Allegheny Springs Lodge. CMA also provided engineering services for the fit-out of such restaurants as the Foxfire Grille, Junction Restaurant and Village Bistro located at the Village in Snowshoe.



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## West Virginia University Intermodal Parking Facility



CMA Engineering provided engineering services to develop performance criteria data for a new intermodal parking facility located on the Health Sciences Campus in Morgantown, WV. The initial phase of the project is to create a 500 space parking garage expandable to 1500 spaces with offices, retail and storage space.

## Morgantown Events Center



CMA Engineering provided engineering services for the criteria development and preparation of RFP for Design/Builders for new 80,000sf multi-purpose event center and parking structure.

## Parkersburg Transit Authority



CMA Engineering provided mechanical, electrical and plumbing design services for developing the design criteria for the new 5 floor Transit Authority Facility which includes 378 space parking garage, office areas, transit station, and passenger waiting area.

Clingenpeel/McBrayer & Associates, Inc.

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

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



## **Ayash Community Center, St. Albans, WV**



CMA Engineering provided design for HVAC, plumbing, fire sprinkler, fire alarm systems, communication systems, lighting and electrical power for new 26,900sf community center which included gymnasium, wrestling room, fitness room, locker rooms and an open area for aerobics, dance and gymnastics.

## **Jefferson County Community Center**



CMA Engineering provided mechanical, electrical and plumbing design services for developing the design criteria for new 18,900sf community center which included gymnasium with bleacher seating, lobby area, activity rooms, office space, a full service kitchen, storage and comfort facilities.

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## Greenbank Observatory

### Visitors Center



CMA Engineering provided mechanical, electrical and plumbing design services for the new 24,500sf visitors center at the National Radio Astronomy Observatory at Green Bank, WV. Facility includes a 4,000sf exhibit hall, auditorium, classrooms and computer laboratories, retail gift shop, glass observation lobby, café and offices.



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### **Concord Residence Halls-Fire Sprinkler Upgrades**

In 2008, CMA provided mechanical, electrical and plumbing design services for the replacement of the fire sprinkler systems for Towers, Wilson and Woodell Residence Halls. Project also included a new fire pump system.



### **Boreman Hall Dormitory-West Virginia University**

CMA provided mechanical, electrical and plumbing engineering services for the upgrade of the fire sprinkler, fire alarm and HVAC systems. CMA had previously provided design services for the upgrade to the plumbing system.



### **WV DHHR-Office of Chief Medical Examiner, Charleston, WV**

CMA Engineering provided mechanical, plumbing, standard and emergency electrical power, lighting, communications and fire alarm systems design services for the renovation of 619 Virginia Street, West into the State Medical Examiners facility. Project encompassed the renovation of the first floor area (11,800sf) into storage rooms, offices, laboratory space and autopsy space.



### **Upper Kanawha Valley Technological Community Building, Montgomery, WV**

CMA Engineering provided mechanical, electrical and plumbing design services for the tenant fit-out of the first floor space, including reconfiguration of the toilet rooms, reception area, auditorium, laboratory space, administrative offices, executive conference room and directors office for use by the Printing Innovation Center.



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