

**EXPRESSION OF INTEREST**  
**RFQ # DEFK9015**

26 February 2009

**BUCKHANNON**  
**READINESS CENTER**

**WEST VIRGINIA ARMY NATIONAL GUARD**  
**JOINT FORCES HEADQUARTERS**  
Construction & Facilities Management Office



RECEIVED

2009 FEB 24 PM 4: 30

WV PURCHASING  
DIVISION

Introduction

Firm Profile

Resumes

Projects

References



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

# Request for Quotation

RFQ NUMBER  
 DEFK9015

PAGE  
 1

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

RFQ COPY  
 TYPE NAME/ADDRESS HERE

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

DIV ENGINEERING & FACILITIES  
 ARMORY BOARD SECTION

1707 COONSKIN DRIVE  
 CHARLESTON, WV  
 25311-1099 341-6368

| DATE PRINTED | TERMS OF SALE | SHIP VIA | FOB | FREIGHT TERMS |
|--------------|---------------|----------|-----|---------------|
| 02/11/2009   |               |          |     |               |

BID OPENING DATE: 02/26/2009 BID OPENING TIME 01:30PM

| LINE  | QUANTITY | UOP | CAT NO | ITEM NUMBER   | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|---------------|------------|--------|
| 0001  | 1        | LS  |        | 906-00-00-001 |            |        |
| ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL<br><br>CONTRACT TO PROVIDE ARCHITECT & ENGINEERING SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, BUCKHANNON READINESS CENTER, UPSHUR COUNTY, WEST VIRGINIA, PER THE ATTACHED DOCUMENTATION.<br><br>NOTICE<br><br>A SIGNED BID MUST BE SUBMITTED TO:<br><br>DEPARTMENT OF ADMINISTRATION<br>PURCHASING DIVISION<br>BUILDING 15<br>2019 WASHINGTON STREET, EAST<br>CHARLESTON, WV 25305-0130<br><br>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:<br><br>SEALED BID<br><br>BUYER: JOHN ABBOTT-----<br>RFQ. NO.: DEFK9015-----<br>BID OPENING DATE: 02/26/2009----- |          |     |        |               |            |        |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

|                      |                           |                                   |
|----------------------|---------------------------|-----------------------------------|
| SIGNATURE<br>        | TELEPHONE<br>304/342-2151 | DATE<br>26 February 2009          |
| TITLE<br>Member, AIA | FAX<br>304-558-2544       | ADDRESS CHANGES TO BE NOTED ABOVE |

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



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

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| BID OPENING TIME:  |          |     |        | 1:30 PM-----        |            |              |
| PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: |          |     |        |                     |            |              |
|  |          |     |        | 304/342-2197-----   |            |              |
| CONTACT PERSON (PLEASE PRINT CLEARLY):   |          |     |        |                     |            |              |
|  |          |     |        | John M. Harris----- |            |              |
| ***** THIS IS THE END OF RFQ DEFK9015 *****  |          |     |        |                     |            | TOTAL: _____ |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

|                   |                        |                                   |
|-------------------|------------------------|-----------------------------------|
| SIGNATURE         | TELEPHONE 304/342-2151 | DATE 26 February 2009             |
| TITLE Member, AIA | FEBN 55-0765885        | ADDRESS CHANGES TO BE NOTED ABOVE |

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

STATE OF WEST VIRGINIA  
Purchasing Division

## PURCHASING AFFIDAVIT

### VENDOR OWING A DEBT TO THE STATE:

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

### PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor must make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

### ANTITRUST:

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

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

### LICENSING:

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

### CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

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

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

Authorized Signature:  Date: 26 February 2009

Purchasing Affidavit (Revised 01/01/09)



26 February 2009

The WV Army National Guard  
Joint Forces Headquarters (WV-JFHQ)  
Construction & Facilities Management Office (C&FMO)  
Attn: A/E Selection Review Committee  
1703 Coonskin Drive  
Charleston, WV 25311

RE: Expression of Interest for  
Architectural and Engineering Services  
Buckhannon Readiness Center  
Requisition #DEFK9015

Gentlemen:

It is indeed a pleasure to submit to you our expression of interest for the architectural and engineering services for the proposed new facilities in Buckhannon. Bastian & Harris, Architects is a Charleston based architectural firm with a wide variety of project experience. This includes Higher Education, K-12 Educational, Commercial / Retail, and Health Care. Recent projects include Marshall University Student Housing and Dining Facility, Eastern West Virginia Community & Technical College, and the West Virginia Wesleyan Performing Arts Center in Buckhannon. Presently, we have been selected and are awaiting funding approval for the proposed Readiness Center in Moorefield. While this project has not moved forward, we look forward to working with Colonel Burch and his staff in developing this project in the near future.

Our personal attention and problem solving approach to design has been demonstrated by a track record of quality architectural projects, supplied on time, on budget, and with minimal change orders. Our familiarity with construction methods and a common sense approach to solving owner's individual needs has become the cornerstone of our architectural practice. Bastian & Harris, Architects will take the lead and provide full service architectural / engineering services throughout the contract. We do this by engaging highly qualified consulting firms who we feel are best qualified to provide the services required for each individual project. For this project, we have chosen to include the following firms:

|   |                           |
|---|---------------------------|
| Civil and Site Engineering:                     | Capitol Engineering, Inc. |
| Mechanical / Electrical / Plumbing Engineering: | CMA Engineering, Inc.     |
| Structural Engineering:                         | Moment Engineers, Inc.    |

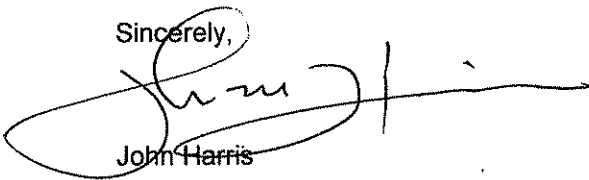
In selecting Capitol Engineering for the site and civil engineering on this project, we feel that their background most clearly demonstrates a full understanding of the needs for a facility of this nature. CEI is both a veteran owned and a female owned consulting engineering firm located in Charleston. This proximity to both our office and the National Guard Joint Force Headquarters at Coonskin Drive will allow for close coordination and immediate scheduling of project meetings as the project moves forward. CEI provides comprehensive engineering, design and construction services to meet the complete infrastructure needs of the project. As you know, they have a tremendous history in providing similar services to other West Virginia Guard units. This includes work for Joint Interagency Training and Education Center, Armed Forces Reserve Centers in Ripley, Elkins, Fairmont, and Glen Jean, the Summersville, Lewisburg, Morgantown, and Kingwood Readiness Centers, AASF#1 Apron Expansion / Rehabilitation and Taxiway Replacement in Parkersburg, and Camp Dawson Runway Extensions.

For the mechanical/electrical/plumbing engineering design, we have again selected Clingenpeel/McBrayer & Associates, Inc. due to their similar experience of projects for the Army National Guard. CMA's experience has included the WVANG Eleanor Maintenance Center, WVANG Eleanor Readiness Center, WVANG Summersville Readiness Center, WVANG Lewisburg Readiness Center, and WVANG Elkins Readiness Center. They have teamed with us on numerous projects including Enhancements to Caperton Center, Go-Mart Corporate Offices, and several school projects. We feel that having local participation on the mechanical, electrical and plumbing is important due to the need for continued monitoring of progress and follow-up needed for this highly technical discipline. We will work closely with the Guard and CMA to determine the most appropriate mechanical and electrical systems and provide the most favorable life cycle cost analysis for these specialized components of the project.

For structural engineering, we have selected Moment Engineers, Inc. also from Charleston. Their recent experience in Guard facilities have included Robert C. Byrd Regional Training Institute and the Mountaineer Challenge Academy at Camp Dawson, the Armed Forces Reserve Center at Camp Dawson and Glen Jean, the Construction & Facilities Management Office in Charleston, and the Armed Forces Reserve Center in Elkins. We have worked with them on several local projects and find their thoroughness to detailing and desire to keep fully engaged during construction administration phase matches our philosophy and expectations for consulting engineers.

We believe by assembling this local group of architects and consulting engineering firms, we can provide quality services for your project. By closely working directly with firm principals, you will be provided with the highest quality of architectural and engineering services. A hands-on approach and continuity of personnel from beginning concept through to project closeout will ensure a smooth communication and translation of Owner's goals and expectations. With the combined experience of the entire team, we believe that we can move forward at a pace that will meet your schedule. We look forward to the possibility of having an interview and sharing our thoughts on how we could serve your architectural and engineering needs and make this extremely successful project for the West Virginia Army National Guard.

Sincerely,



John Harris

## **BASTIAN & HARRIS, ARCHITECTS**

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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.

Recent projects include a 500-bed Student Housing and Dining Facility Complex for Marshall University, new Corporate Offices for Go-Mart, Inc., new Banquet Facility, Training, Educational, and Conference Center Addition at Caperton Center, new offices for Hospice, and various renovations and additions to several schools for Kanawha County. Currently under construction are a new facility for Eastern West Virginia Community & Technical College, Virginia Thomas Law Center for the Performing Arts at West Virginia Wesleyan College, and Auditorium Renovations for Kanawha County Schools. Present projects include Marshall Community & Technical College and providing construction monitoring services for the Owner on a new student housing project as well as a new recreation center for Marshall University being constructed by Mascaro Construction.

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 – 304/342-2197 (Fax)  
bastianandharris.com

## **DOUG BASTIAN, AIA, NCARB**

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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 College – 1968

### Registration/License

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

### Affiliations

American Institute of Architects  
AIA West Virginia

### 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 and Masonry Repairs at Clendenin 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  
Virginia Thomas Law Center for the Performing Arts at  
West Virginia Wesleyan College



## JOHN HARRIS, AIA, NCARB

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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 College – 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; West Virginia Society of Architects Board of Directors 1983-85 and 2005-Present;  
AIA West Virginia Scholarship Committee; Council of Education Facilities Planners

### Project Experience

#### Marshall University

Student Housing and Dining Facility Complex  
Memorial Student Center Lobby Renovations  
Expansion to Mid Ohio Valley Center  
Renovations to Buskirk Hall  
Graduate College Renovations  
Art Department 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 and Laboratory Renovations  
Addition and Renovations to Bible Center Church  
Addition to Emmanuel Baptist Church  
Mountaineer Imaging Center  
Citizens National Bank of Snowshoe  
Law Office of Kesner, Kesner & Bramble  
BB&T Lobby Renovations  
Hampton Inn Addition and Renovations

## CHRISTOPHER CAMPBELL, AIA, NCARB

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Chris Campbell, AIA, is a registered architect and licensed since 2000 to practice architecture.

In 1996, 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. Activities included design, technical coordination with consultants, CADD drafting, specification preparation, project reviews with various state agencies, bidding process, and coordination with construction staff.

In May 2006, Chris joined the firm of Bastian & Harris, Architects. Responsibilities include overall project development, design, construction documents, bidding, and construction administration.

### Education

University of Tennessee - 1996

### Registration/License

Licensed in West Virginia - 2000

Certification by National Council of Architectural Registration Boards

### Affiliations

American Institute of Architects

West Virginia Chapter of the American Institute of Architects

### Professional Service

AIA WV Chapter President - 2006 to 2007

AIA WV Executive Committee - 2001 to present

Intern Development Program State IDP Coordinator - 2000 to 2005

### Project Experience with Williamson Shriver, Architects

University High School - 217,000 sf new facility

Mylan Park and Skyview Elementary Schools - two 80,000 sf facilities

Widmyer Elementary School - 44,000 sf addition and renovation

Philip Barbour High School - 169,000 sf addition and renovation

Erma Byrd Art Gallery, University of Charleston - renovation into new art gallery

Jefferson County Middle School - 88,000 sf new facility

Berkeley Springs High School - 114,000 sf addition and renovation

Ram Stadium, Shepherd College - 2100 seat new facilities /support buildings

Bluefield Intermediate School - 43,000 sf new facility

Princeton Primary School - 56,600 sf new facility

### Project Experience with Bastian & Harris, Architects

Overbrook Elementary School Addition and Renovation

Eastern West Virginia Community and Technical College New Classroom /

Laboratory / Support Building

West Virginia Wesleyan College

Virginia Thomas Law Center for the Performing Arts

Hospice Administrative Office Building

Kanawha County Schools - Auditorium Renovations at Five Area High Schools

BB&T Tenant Build-Outs - General Services Administration

9th Floor

14th Floor

## **BENJAMIN ASHLEY, ASSOCIATE AIA, CDT**

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Ben Ashley worked as an intern during the summers of 2004 and 2006 for the West Virginia School Building Authority. He worked for Bastian & Harris, Architects during the summer of 2007 and then joined the firm full time in July 2008. Responsibilities include overall project development, design, construction documents, bidding, and construction administration.

### Education

University of Tennessee - 2008

### Registration/License

Construction Specification Institute -  
Construction Document Technologist Certificate

### Affiliations

American Institute of Architects - Associate Member  
West Virginia Chapter of the American Institute of Architects -  
Associate Member  
Member of the National Trust for Historic Preservation

### Collegiate Awards

Finalist for Bronze Medal - Top Senior Studio Project 2008  
*Vertical Agriculture: Visualizing Sustainability*  
Building Wealth: Low Income Residential Community Competition Winner  
City of Clarksville, Tennessee  
Mary James Park Entrance Design Competition Winner  
City of Knoxville, Tennessee

### Project Experience

4th Avenue Financial  
BB&T - 9th Floor Tenant Build-Out  
BB&T - 14th Floor Tenant Build-Out  
Bailey & Glasser  
Buckhannon Toyota  
Comfort Inn Lounge  
Daniels Residence  
Glenville State College  
Hospice - Lewisburg  
Hospice - Charleston  
Hospice - Kanawha City  
Halloran Residence  
Hosaflook Residence  
KCS - Auditorium Renovations at George Washington, Herbert Hoover, Nitro,  
Sissonville and South Charleston High Schools  
KCS - Overbrook Elementary  
Lee Residence  
Marshall University Community & Technical College  
Wallace Residence  
Virginia Thomas Law Center for the Performing Arts for West Virginia Wesleyan  
College  
Buckhannon Toyota  
Ramada Inn, South Charleston

**Educational**

**West Virginia Wesleyan College Center for the Performing Arts  
Marshall University**

Student Housing Complex  
Renovations to Holderby Hall  
Renovations to Buskirk Hall  
Renovations to Memorial Student Center  
Housing / Wellness Center  
6th Avenue Parking  
Mid-Ohio Valley Center  
Art Department Renovations

**Marshall University Graduate College**

**Marshall Community & Technical College**

**Eastern West Virginia Community and Technical College**  
Classroom / Laboratory / General Support Building  
Distance Learning Classrooms

**Kanawha County Schools - Renovations:**

Central Office  
Multiple School Auditoriums  
Horace Mann Middle School  
George Washington High School  
Shawnee Community Education Center

**Kanawha County Schools - Additions:**

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

**Commercial**

Enhancements to Caperton Center (Tamarack)  
South Hills Shopping Center Renovations  
Holiday Inn Renovations - Civic Center  
Moses Automotive Factory Outlet - Southridge  
Joe Holland Chevrolet  
Renovations to Bert Wolfe Ford / Toyota  
Renovations to Beckley Toyota  
Moses Automotive Factory Outlet - Teays Valley  
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  
Hampton Inn Addition and Renovations  
Ramada Inn Renovations

**Professional Offices**

Kesner, Kesner & Bramble Law Office  
New England Financial Renovations  
Pleasant Valley Hospital Wellness Center  
Go-Mart Office Building  
beBetter Networks  
Trans Allegheny Building Renovations  
Herman Eye Center  
Bailey & Glasser  
Ranson Law Office Renovations

**Banking**

Branch Banking & Trust Lobby Renovations  
Branch Banking & Trust Tenant Build-Outs - 4th, 6th and 14th Floors  
Citizens National Bank - Snowshoe Branch  
Pleasants County Bank - St. Mary's

**Residential**

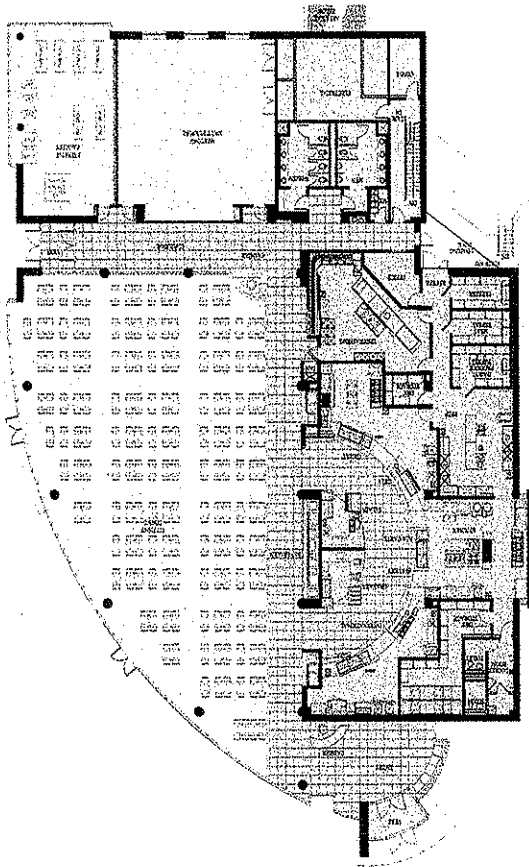
Morgan Residence  
Carson Residence  
Newbold Residence  
Edward Smith Residence  
Maxson Residence  
Lawrence Residence  
Cobb Residence  
Kesner Residence  
Higgins Residence  
Wallace Residence  
Brewster Residence  
George Residences  
Hosaflook Residence  
Anderson Residence  
Hamady Residence  
Akins Residence  
Hosaflook Residence  
Halloran Residence  
Wallace Residence

**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 (Sissonville) Renovations

**Health Care**

Hospice Administrative Office Building  
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



**Student Housing Complex  
Marshall University  
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**

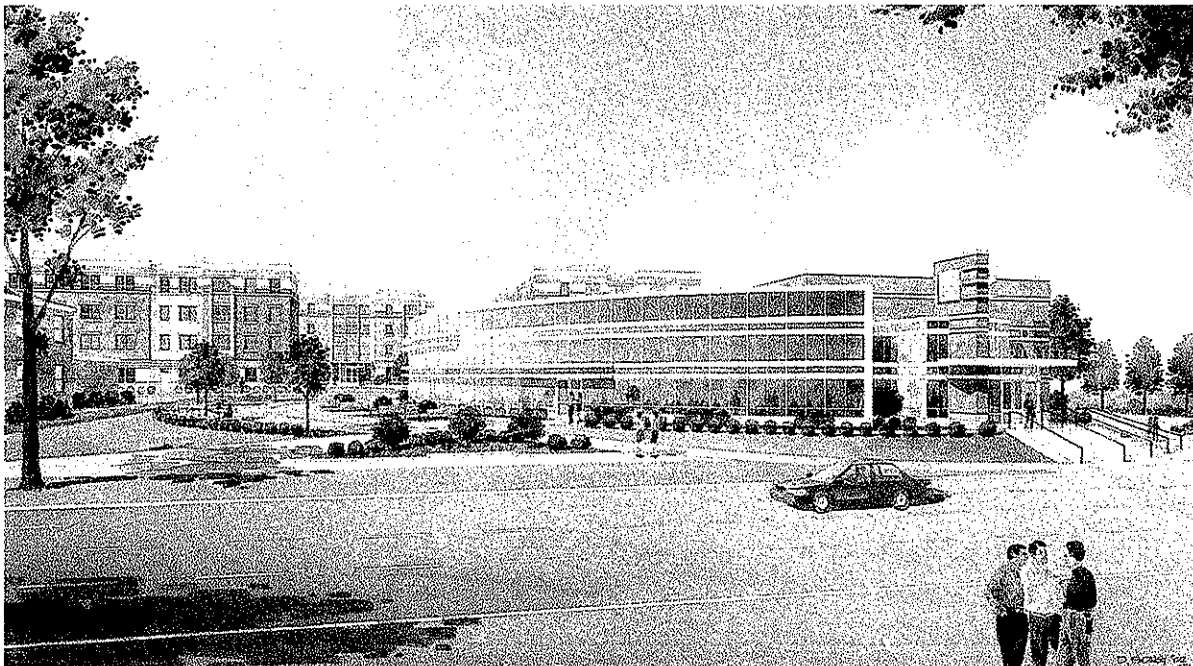
**Construction Cost: \$28,848,893**

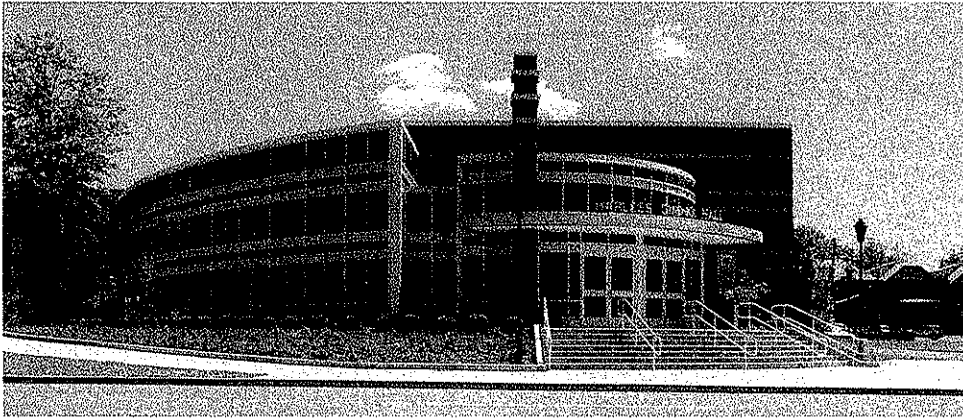
**Services Provided: Full A/E**

**Size: 136,000 sf**

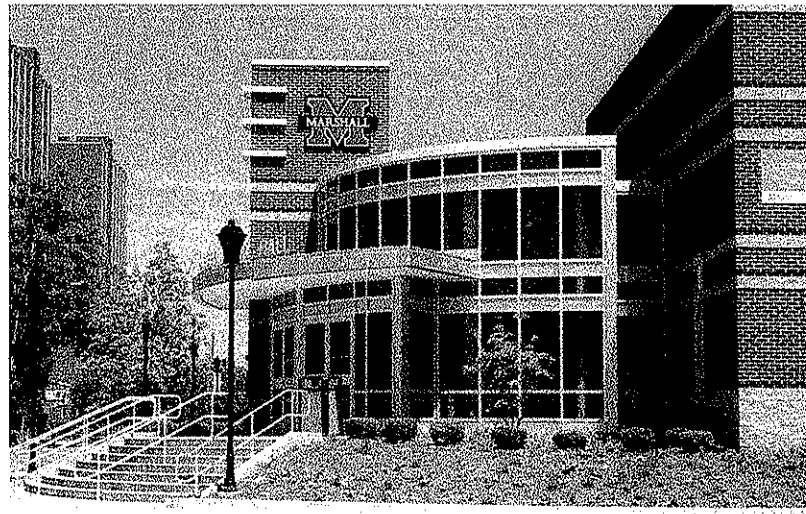
Project consists of four 125-bed dormitory buildings and a 17,000 sf new dining facility seating 300. Dormitory buildings are comprised of CMU bearing walls with precast concrete plank floors and non-bearing partitions of gypsum board on metal studs. HVAC system is a pipe system with corridor mounted air handlers to minimize intrusion into student occupied spaces. Dining Hall comprised of steel frame and masonry bearing with curved curtainwall in dining area overlooking terrace.

**Marshall University  
Student Housing - Dining Facilities**

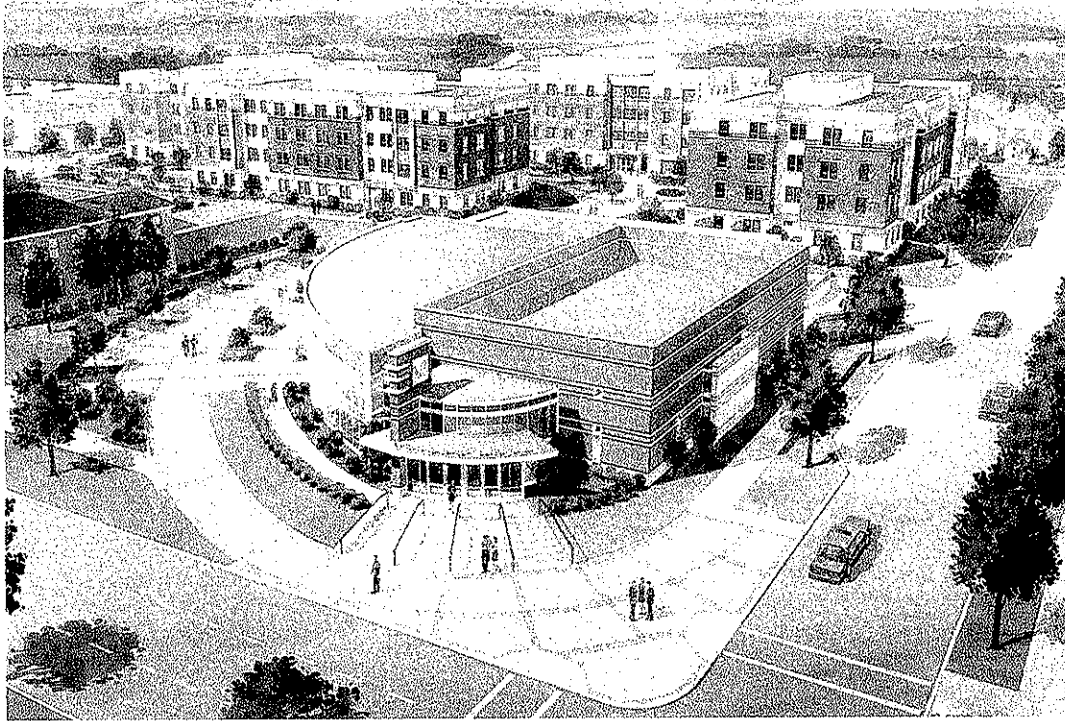




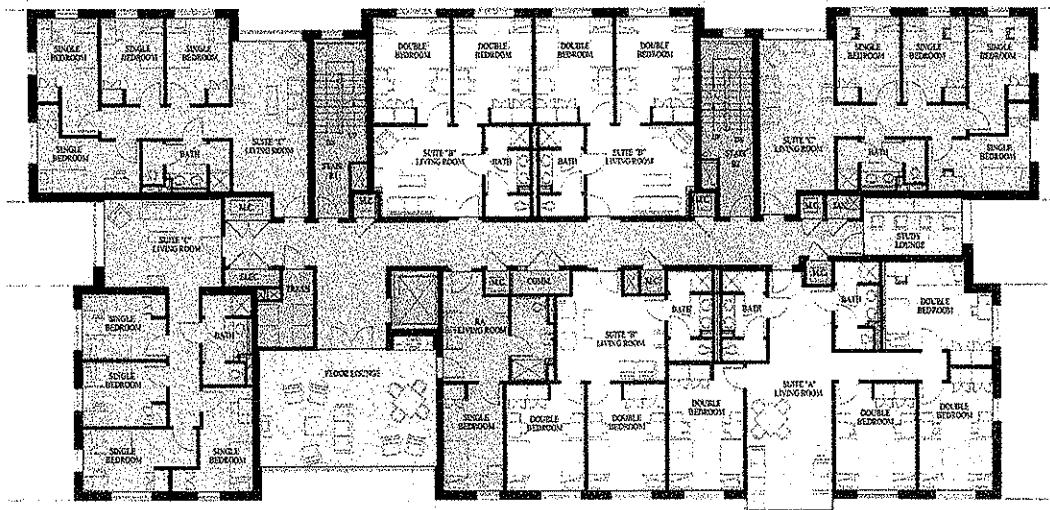
**Marshall University  
Dining Facility**







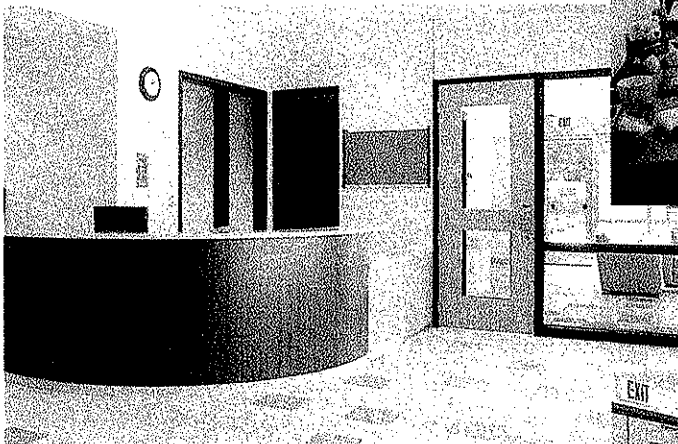
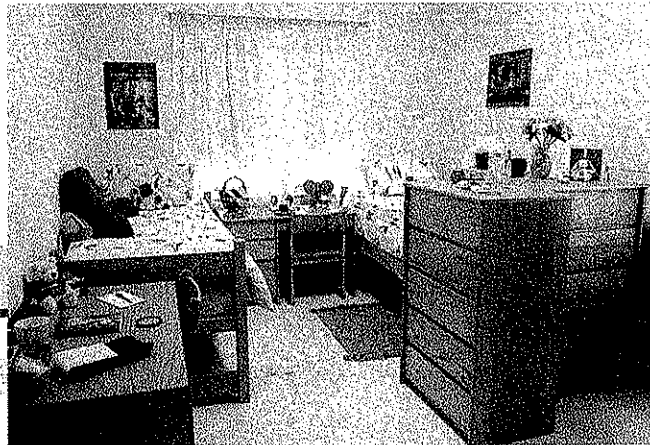
Marshall Student Housing - Residence Hall

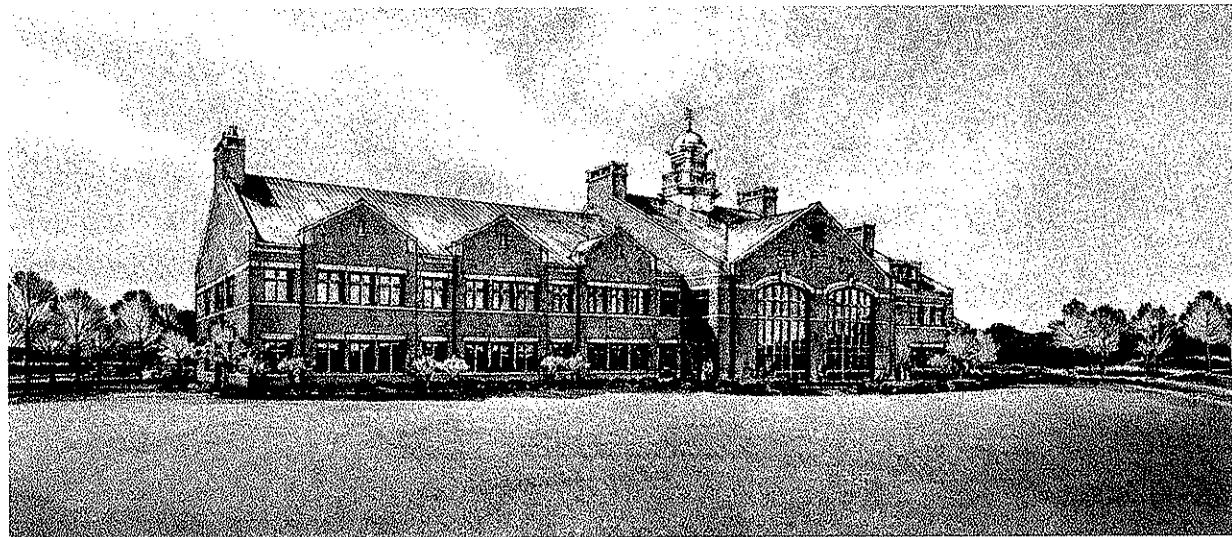
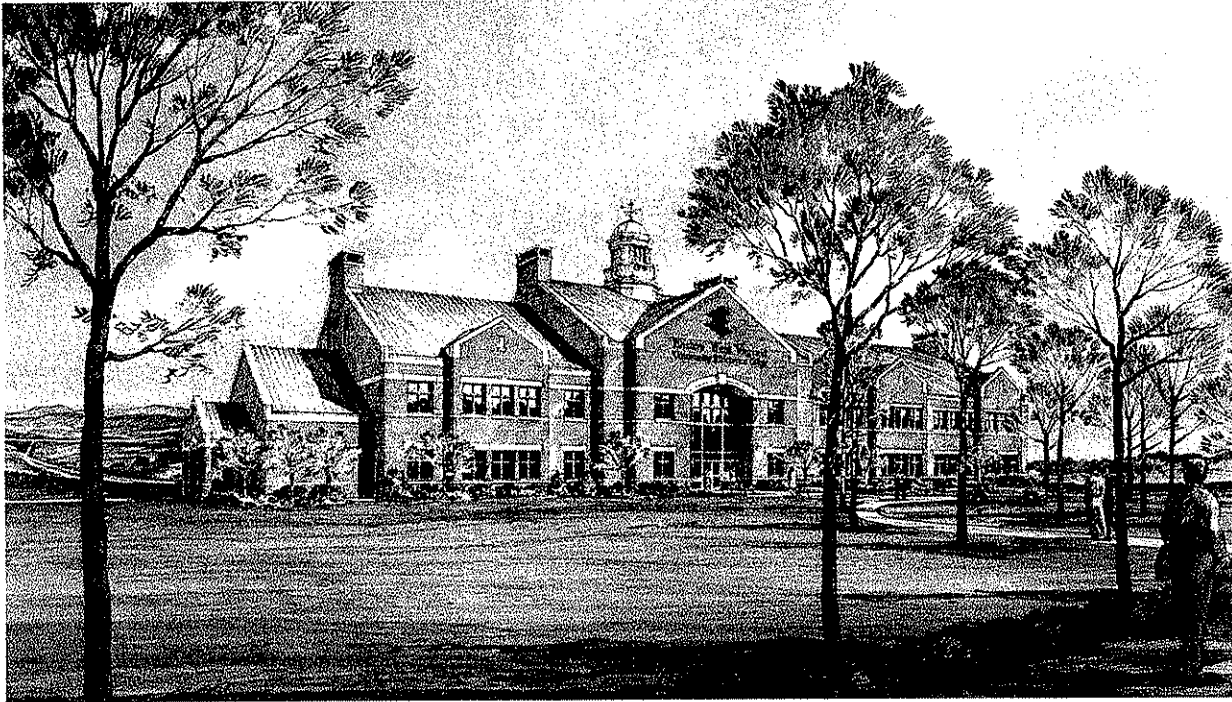


Marshall Student Housing - Residence Hall Plan



**Marshall University  
Student Housing Complex**





**Classroom / Laboratory / General Support Building**  
Eastern WV Community & Technical College  
Moorefield, West Virginia

**Owner:** Eastern WV Community & Technical College  
Bob Sisk, President  
1929 State Road 55  
Moorefield, WV 26836  
304/434-8000

**Completion Date:** November 2008 (Substantial)

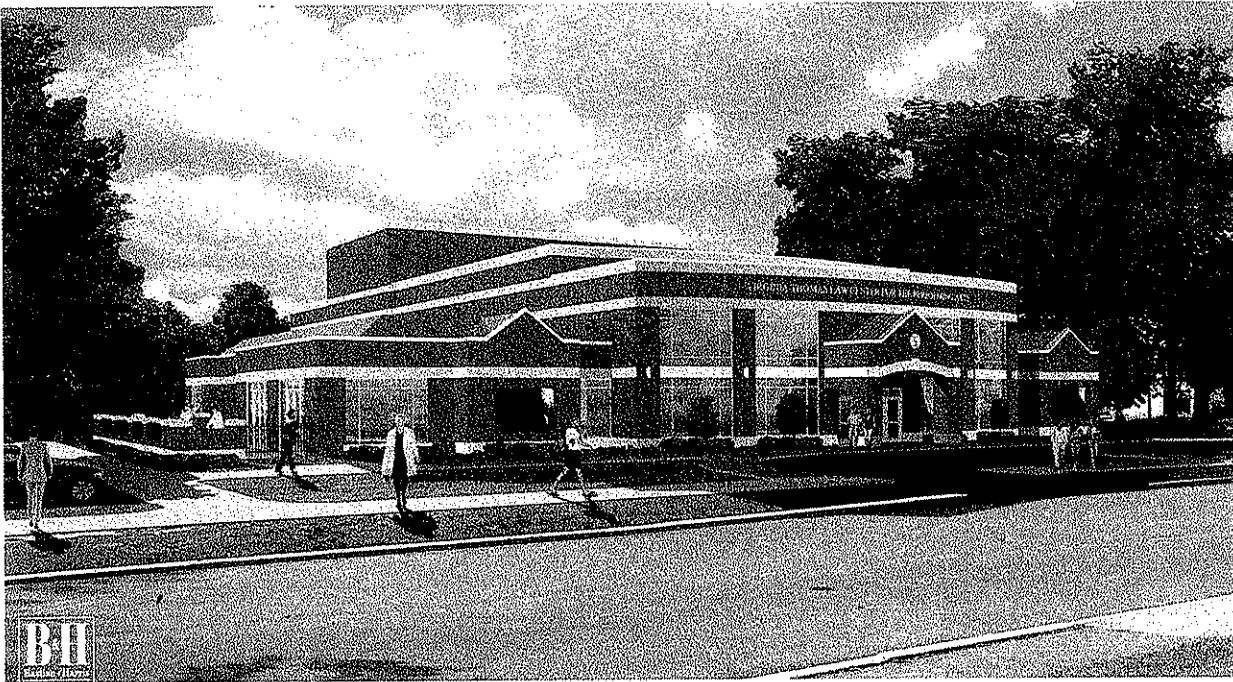
**Construction Cost:** \$5,805,675

**Services Provided:** Full A/E

**Size:** 25,000 sf

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.





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

**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

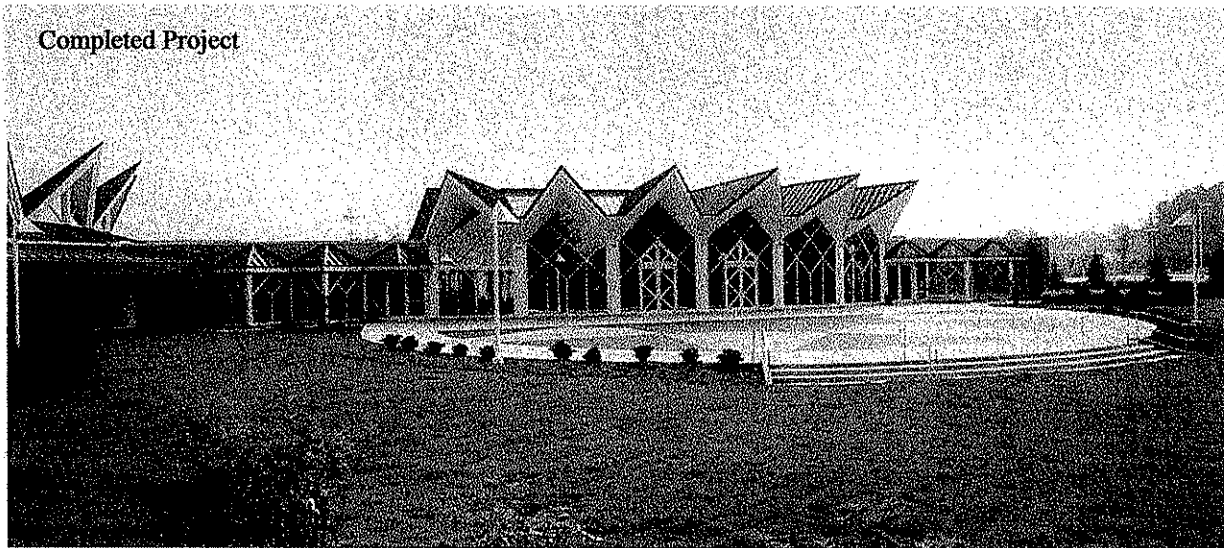
**Size:** 19,500 sf

This 374 seat Performing Art Center includes an 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.





Rendering



Completed Project

Enhancements to Caperton Center (Tamarack)  
Beckley, West Virginia

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 gsf

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.

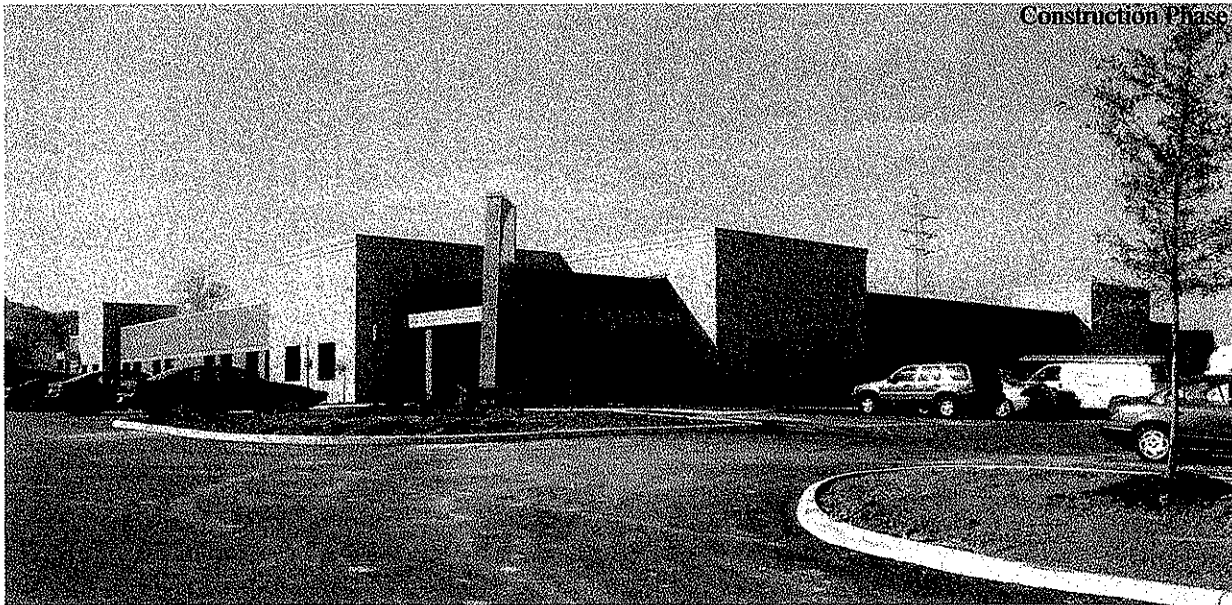


Caperton Center - Canopy





Rendering



Construction Phase

HospiceCare Administrative Offices  
Charleston, West Virginia

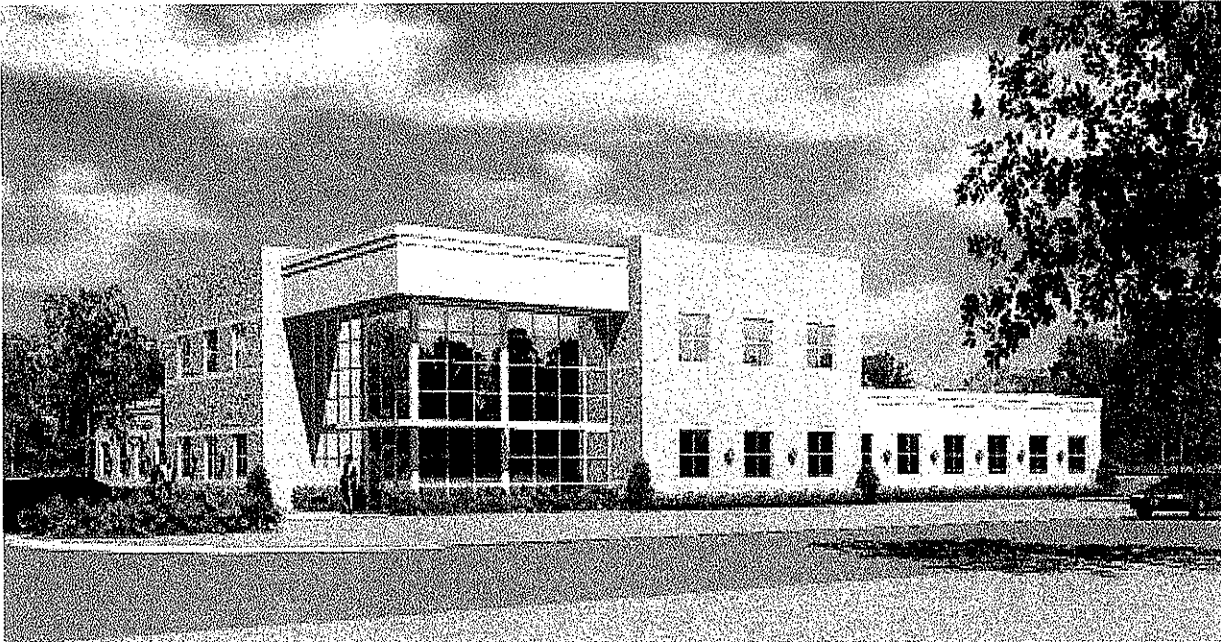
17,800 gsf administrative offices for local HospiceCare organization.

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

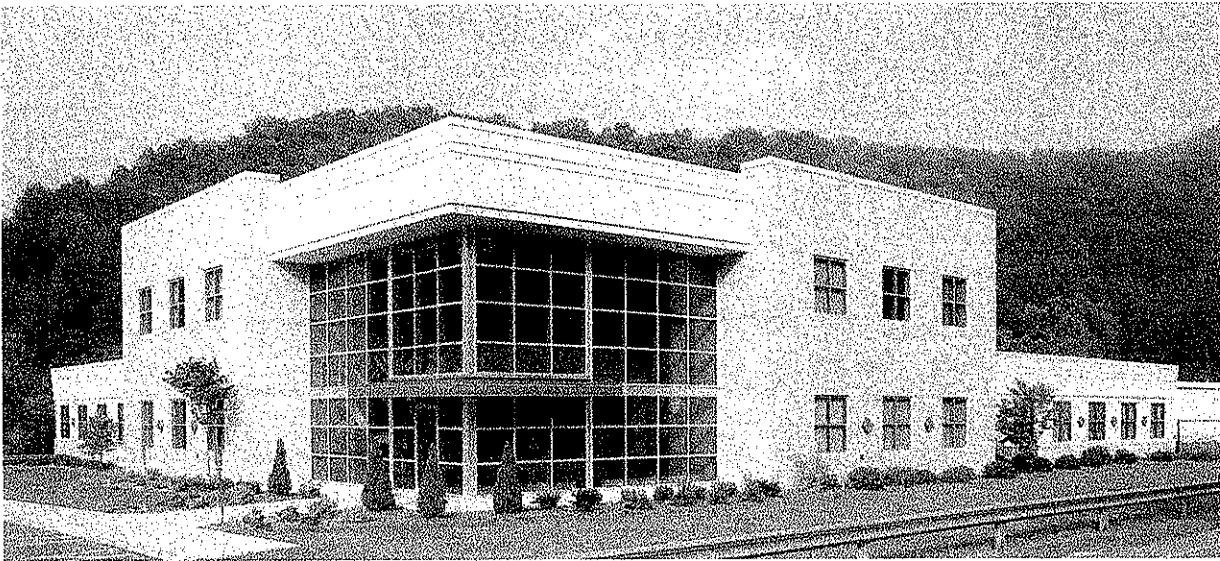
Completion Date: November 2008

Construction Cost: \$3,155,585.56

Services Provided: Architectural as part of Design  
Build w/ Pray Construction



Rendering



Completed Project

Go Mart Corporate Offices  
Gassaway, West Virginia

Heater Oil Company  
John Heater, President  
PO Drawer D  
915 Riverside Drive  
Gassaway, WV 26624  
304/364-8000

Completion Date: 2003

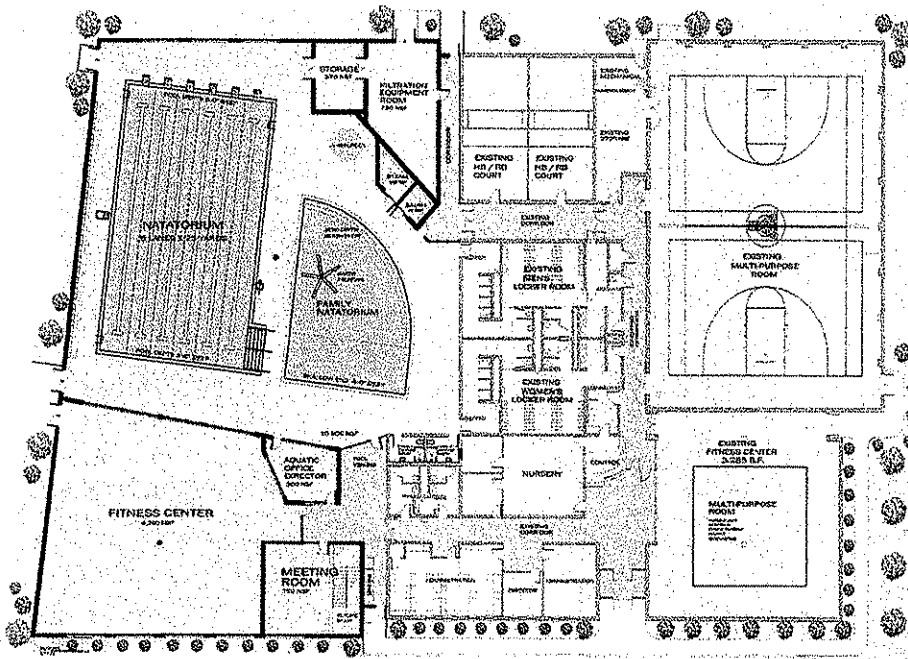
Construction Cost: \$2,017,269.16

Services Provided: Full A/E

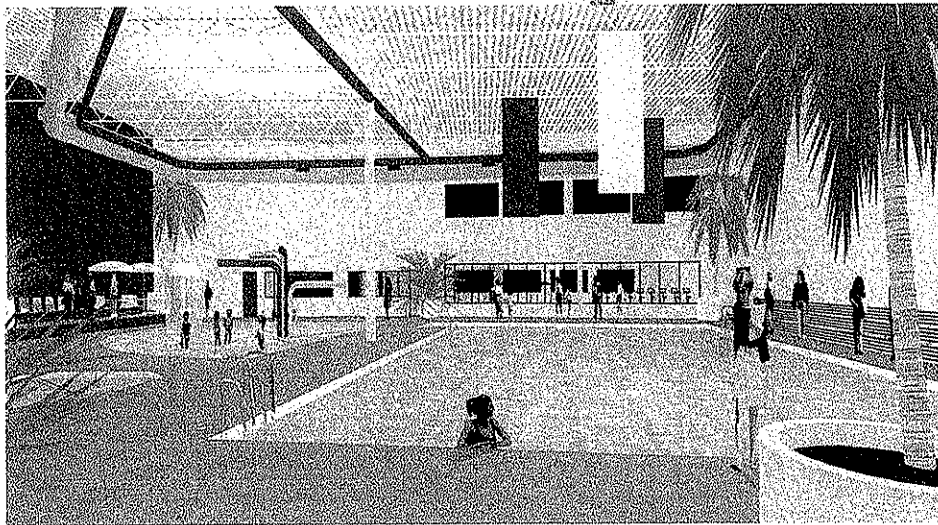
Size: 17,650 gsf

New corporate offices for major West Virginia company.





Tri County YMCA



Tri-County YMCA  
 Natatorium and Wellness Center  
 Scott Depot, West Virginia

Natorium and exercise facility addition to existing YMCA.

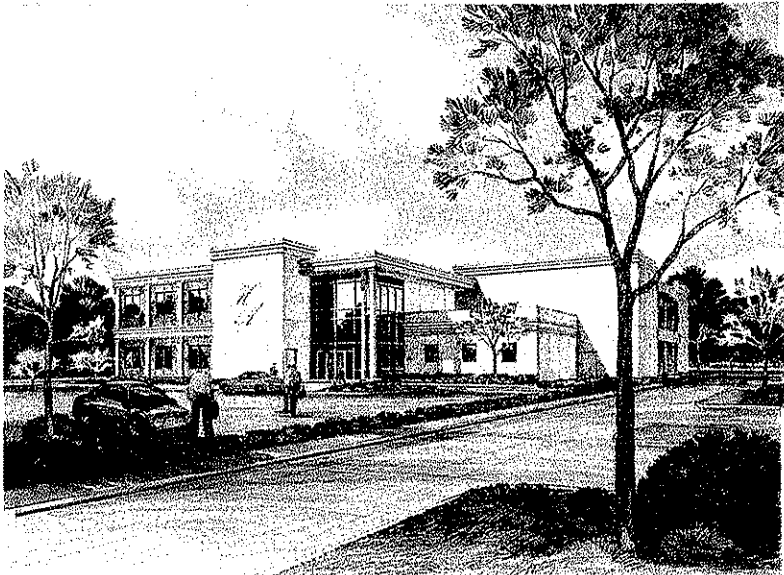
Tri-County YMCA  
 Cathy Stark, Executive Director  
 299 Carl's Lane  
 Scott Depot, WV 25560  
 304/757-0016

Completion Date: 2006

Construction Cost: \$2,837,803

Services Provided: Full A/E

Size: 15,500 gsf



**Ayash Sport Center**  
Saint Albans, West Virginia

**P.T.A. Land Company, Inc.**  
Karl Ham, General Manager  
601 Sixth Avenue, Suite 200  
St. Albans, WV 25177  
304/722-9323

**Completion Date: 2006**

**Construction Cost: \$4,582,054**

**Services Provided: Architectural**

**Size: 33,500 gsf**

**Wellness and recreation facility providing gymnasium and exercise areas, along with boxing dojo space complete with locker rooms and training center.**

## BASTIAN & HARRIS, ARCHITECTS

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- Ron May, Director of  
Facilities Planning and Management  
Marshall University  
One John Marshall Drive  
Huntington, West Virginia 25755  
Phone: 304/696-6294
- Robert Sisk, President  
Eastern West Virginia Community and Technical College  
1929 State Road 55  
Moorefield, West Virginia 26836  
Phone: 304/434-8000
- 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
- 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
- Charles Wilson, Administrative Assistant  
Facilities / Operations  
Kanawha County Schools  
3300 Pennsylvania Avenue  
Charleston, West Virginia 25302  
Phone: 304/348-6148
- Clark Vickers, Director of Support Services  
Pleasant Valley Hospital  
2520 Valley Drive  
Pt. Pleasant, WV 25550  
Phone: 304/675-4340
- David Sneed, Chief of Architectural Services  
WV State Department of Education  
School Building Authority  
2300 Kanawha Boulevard, East  
Charleston, West Virginia 25311-2306  
Phone: 304/558-2541
- Lee Walker, Business Manager  
Bible Center Church  
1111 Oakhurst Drive  
Charleston, West Virginia 25314  
Phone: 304/346-0431
- John Thomas, Property Manager  
BB&T Corporate Facilities  
1007 Bullitt Street  
Charleston, West Virginia 25301  
Phone: 304/342-5156
- Larry Robertson, Executive Director  
HospiceCare  
1606 Kanawha Boulevard, West  
Charleston, West Virginia 25302  
Phone: 304/768-8523

## ***Introduction***

Capitol Engineering, Inc. (CEI) proposes to perform civil engineering and surveying services for the West Virginia National Guard to develop engineering plans and specifications for the Jackson County Readiness Center. We have experience planning, designing, specifying, preparing contract documents, bidding and performing contract administration on many types of military facilities including Readiness Centers, Airfields, Training Areas and Ranges. Our experience and resources give us the ability to handle both complex and routine projects.

### ***Why CEI?***

CEI offers the highly specialized experience, attention to minute detail, and the unparalleled level of personal client support provided by a small boutique firm. We are particularly attractive because:

- Our management, engineering and professional staff has a combined total of over 120 years of experience – much of it acquired while working on military facilities.
- Staff has participation and completion of 30 National Guard projects in West Virginia.
- Management team has 30+ years and over 50 projects total specialized experience providing timely, cost effective construction documents for military facilities.
- Experience to successfully handle all design situations and problem types anticipated to occur under this contract.
- Construction and Facilities Maintenance Office satisfaction with prior work/projects performed by key staff members.

## ***CEI Overview***

Capitol Engineering is a locally owned consulting engineering firm founded in 1999. CEI has steadily grown since its inception with three employees. CEI possesses in-house services in civil, environmental and mining engineering, contract administration, and surveying and mapping. Our staff is made up of two Professional Engineers, a Professional Surveyor, Project Engineers and Scientists, CAD Operators, Technicians, and administrative personnel. Our client base is comprised of contractors, architects, engineers, developers, private industry, and federal and state agencies. A complete list of services is as follows:

### **Civil Engineering**

*Geotechnical Engineering  
Project Management  
Rail Siding Design  
Roadway Design  
Site Development & Grading Plans  
Siting Studies  
Slope Stability Analysis  
Stormwater Systems  
Wastewater Treatment Systems*

### **Environmental Engineering**

*Environmental Due Diligence  
Environmental Site Reviews  
Erosion & Sedimentation Control  
NPDES, GPCC, SPCC Plans  
Solid Waste & Landfill Design  
Stormwater Management Plans*

### **Construction Administration**

*Bid Analysis & Management  
Construction Observation  
Damage Settlement  
Submittal Review*

### **Surveying & Mapping**

*Control Surveys  
Floodplain Studies  
GPS Surveys  
Mineral Reserve Surveys  
Planimetric Surveys  
Quantity Determination Surveys  
River & Lake Soundings  
Topographic Survey*

### **Mining Engineering**

*Abandoned Mine Land Reclamation  
Acid Mine Drainage Passive Treatment  
Geologic & Hydrologic Evaluations  
Mine-Related Subsidence Investigations  
Mining Permits, Modifications, & IBR's  
Reclamation Liability Audits  
Surface Mine Surveying & Mapping*



**ROBERT M. FULLER, P.E.**  
**Principal, Capitol Engineering, Inc.**

**QUALIFICATIONS**

Project Manager with fifteen (15) years of experience with site investigation, planning, design and contract administration services on military, site development and mine reclamation projects. Mr. Fuller has been fully responsible technically, managerially and administratively for the planning, investigation, design and contract document preparation for over fifty (50) projects in the State of West Virginia. Mr. Fuller has served as Associate Professor of Civil Engineering Technology at West Virginia University Institute of Technology on a full-time, part-time and adjunct basis.

**CERTIFICATIONS**

Registered Professional Engineer – WV, PA, OH  
OSHA 40-Hour Health and Safety Training  
OSHA Supervisor Training

**EDUCATIONAL BACKGROUND**

M.S. Engineering, Marshall University Graduate College, 1997  
B.S. Engineering Technology, West Virginia Institute of Technology, 1989

**PROFESSIONAL EXPERIENCE**

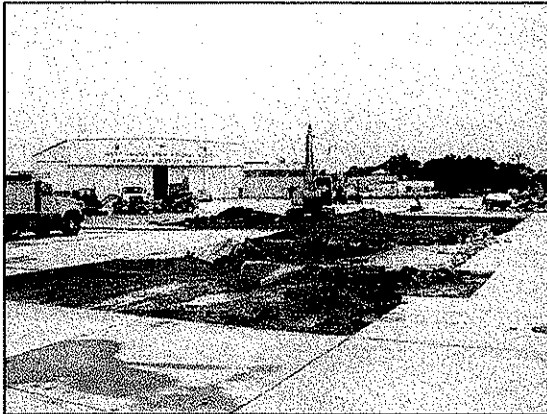
Mr. Fuller was principal or project manager for the following West Virginia Army National Guard Projects completed by Capitol Engineering, Inc..

- Joint Interagency Training and Education Center
- Ripley Armed Forces Reserve Center
- Elkins Armed Forces Reserve Center
- Fairmont Armed Forces Reserve Center
- Morgantown Readiness Center
- Kingwood Readiness Center
- Glen Jean Armed Forces Reserve Center
- Summersville Readiness Center
- Lewisburg Readiness Center
- AASF #1 Apron Expansion/Rehabilitation and Taxiway Replacement
- Camp Dawson Runway Extension
- AASF #1 Taxiway Repair
- Camp Dawson Range Renovations
- Williamson Armory Wash Pad and Military Parking
- Camp Dawson Fuel Canopies
- Engineering consultant for the Center for National Response
- Logan County Feasibility Study
- Mingo-Logan Siting Study
- Camp Dawson Chalets Evaluation
- Camp Dawson Rappelling Tower Evaluation
- Ross Property Conceptual Site Layout
- Eleanor AFRC & CSMS Utility Location and Property Staking
- Camp Dawson Qualification Training Range Preliminary Design Drawings
- AASF #1 Lease Boundary Determination and Marking
- Eleanor CHP Rail Spur Layout
- JISOTF Initial Planning Study

**PROFESSIONAL AFFILIATIONS**

Society of American Military Engineers  
American Society of Civil Engineers  
American Institute of Architects  
Construction Specifications Institute

## PROJECT EXPERIENCE



### Project Title

Army Aviation Support Facility #1  
Apron Expansion/Rehabilitation  
and Taxiway Replacement

### Site Location

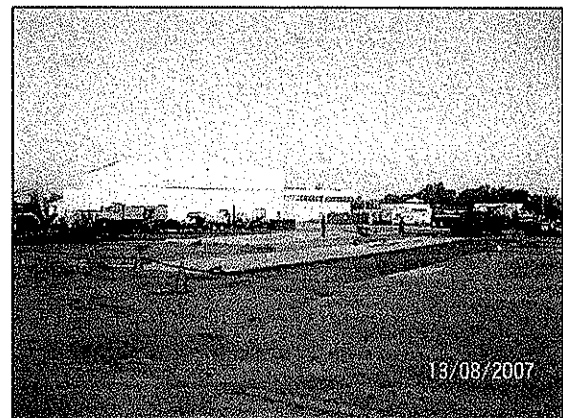
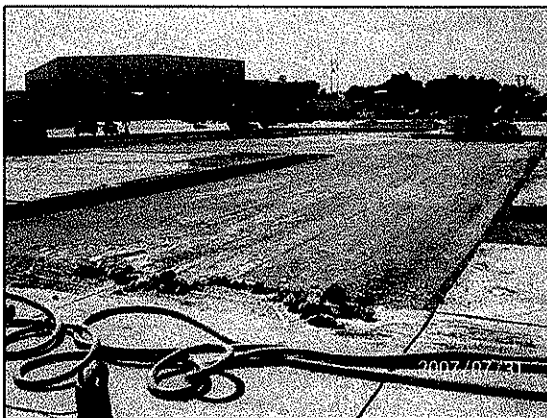
Wood County Airport  
Parkersburg, West Virginia

### Owner

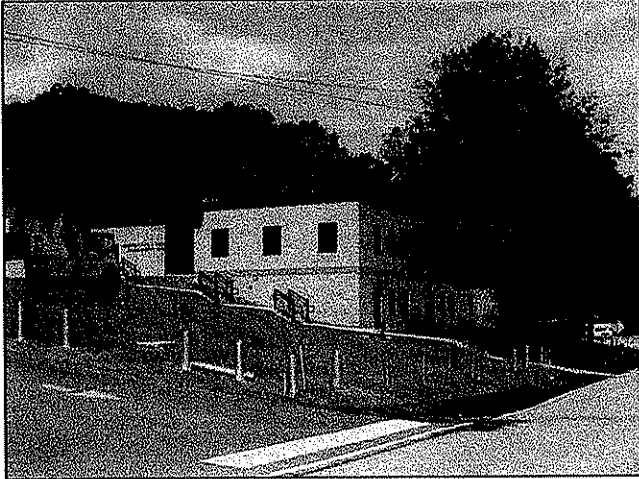
West Virginia Army National Guard  
Construction and Facilities Management Office

### Project Description

Capitol Engineering, Inc. (CEI) was selected by the West Virginia Army National Guard to perform upgrades and renovation of the Army Aviation Support Facility #1. The project involved replacement of the existing taxiway, rehabilitation of the existing concrete apron, and expansion of the apron. Site investigation services included surveying and mapping, inspection of existing facilities, and a limited geotechnical investigation to support pavement design for the taxiway. CEI prepared design and construction documents for this project and performed Site Observation and Contract Administration for the client. Total project cost was \$2,500,000.



## PROJECT EXPERIENCE



### Project Title

C&FMO Office Expansion  
Site and Civil Design

### Site Location

WV National Guard Complex  
Charleston  
Kanawha County, WV

### Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

### Project Description

The Construction and Facilities Management Office Expansion consisted of the construction of a 12,000 square foot office building, 6,000 square foot maintenance area, and renovations to the existing Armory Board office at the Coonskin Drive National Guard Complex. Capitol Engineering, Inc. performed the site investigation and site/civil design portions of the project. Total project cost was \$2,600,000.

The project included the following design elements:

1. Parking area, walkways, stairs and general site features
2. Utilities and an oil/water separator for the maintenance facility.

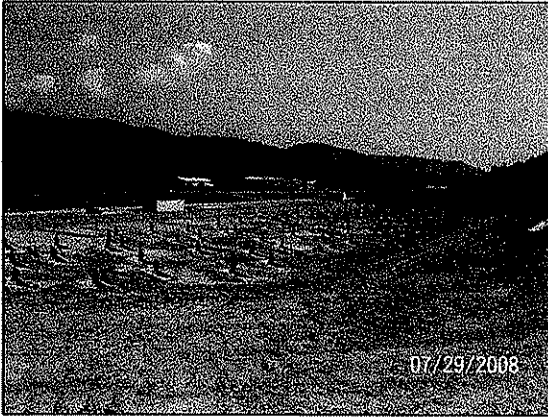
The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Utility and construction easements





# PROJECT EXPERIENCE



## Project Title

Camp Dawson  
Lower Range Renovations

## Site Location

Kingwood, Preston County, WV

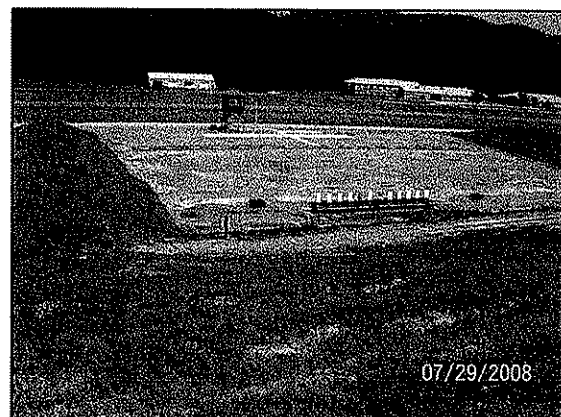
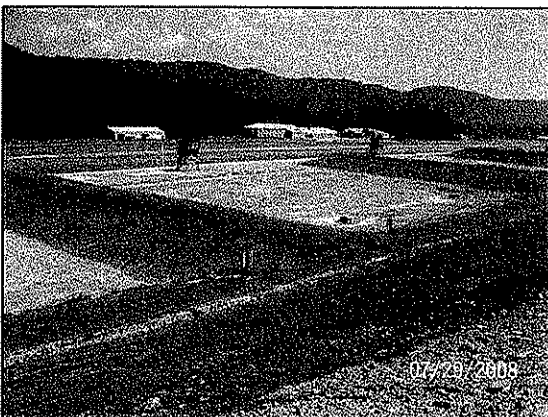
## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

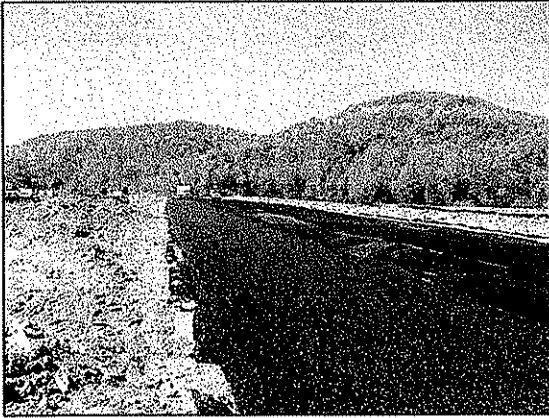
## Project Description

CEI prepared the plans for renovations to the Small Arms Range Complex at Camp Dawson Army Training Site. The project required the development of a comprehensive Range Master Plan. CEI facilitated the plan development and served on the Master Planning Committee along with personnel from the WVARNG Facilities Management Office, Camp Dawson Operations, and the Post Engineer.

CEI performed site investigation services which included surveying and mapping, inspection of existing facilities, and a limited geotechnical investigation. CEI developed design and construction documents for this project. The most significant upgrades to the facility included a new Combat Pistol Qualification Course and a new 25-meter rifle range. The project also included the design of range support facilities including observation towers, storage buildings, a classroom/latrline building and the extension of utilities from main post. Total project cost was \$1,250,000.



## PROJECT EXPERIENCE



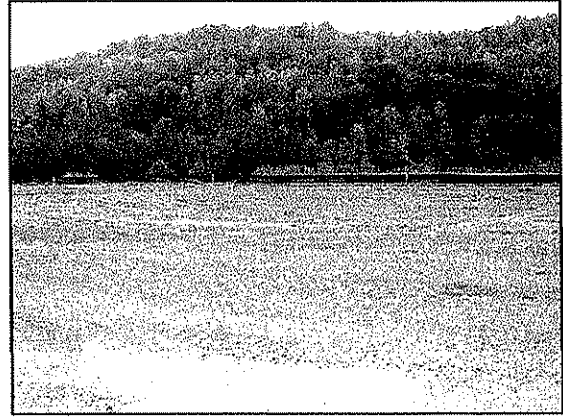
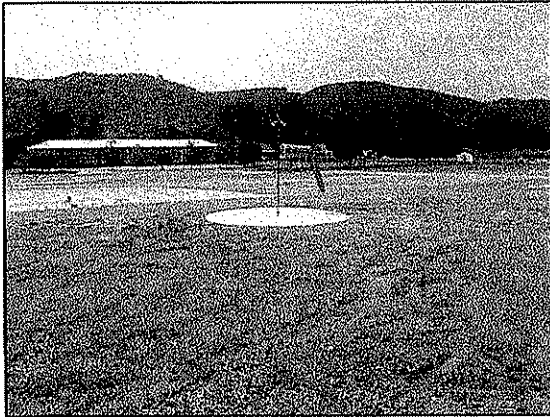
**Project Title**  
Camp Dawson  
Runway Extensions

**Site Location**  
Camp Dawson Collective Training Center  
Preston County, WV

**Owner**  
West Virginia Army National Guard  
Construction and Facilities Management Office

### Project Description

Capitol Engineering, Inc. was selected by the WVARNG/C&FMO for two runway renovation/upgrade projects. The projects involved a 350' paved extension for take offs, a 650' paved extension for emergency runout, lighting and marking replacement, and the installation of a Precision Approach Path Indicator (PAPI) system. The site investigation involved evaluation of the existing lighting system, a geotechnical investigation, and surveying and mapping. CEI prepared construction documents and provided full construction administration of the project. Total project cost was \$1,300,000.



# PROJECT EXPERIENCE



## Project Title

Elkins Armed Forces Reserve Center  
Site and Civil Design

## Site Location

U.S. Route 33, near Elkins  
Randolph County, WV

## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

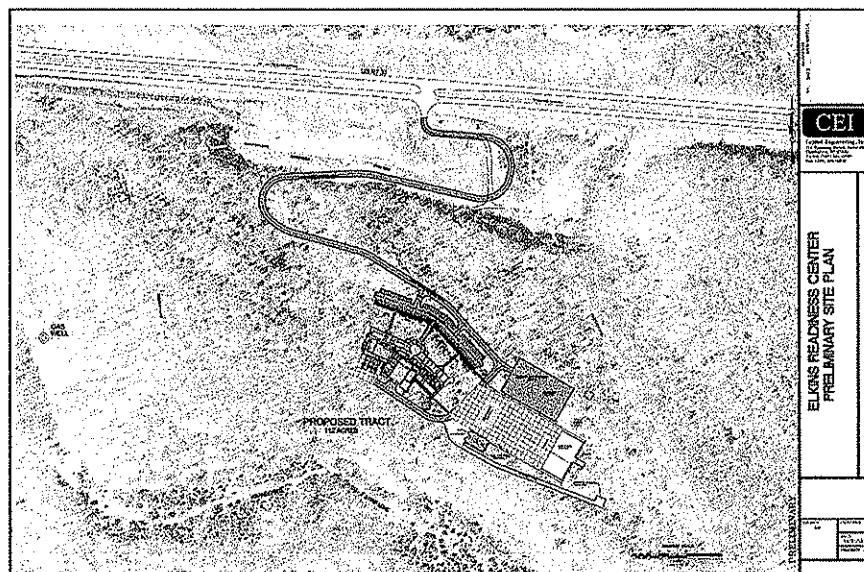
The Elkins Armed Forces Reserve Center Project includes a Readiness Center, maintenance shop and equipment storage building. The complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 32,000 square yards of rigid and flexible paving. The new facility occupies a 135 acre tract on an undeveloped mountain near Harding in Randolph County. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. Total project cost is estimated to be \$21,000,000.

The project includes the following major design elements:

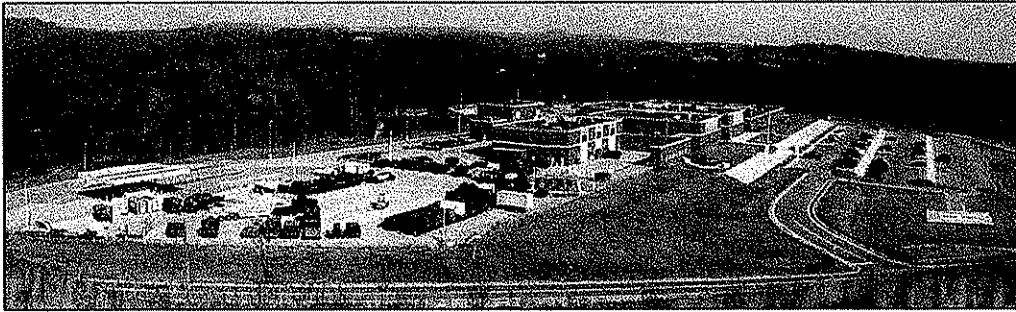
1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Utility, drainage, and construction easements



# PROJECT EXPERIENCE



**Project Title**  
Glen Jean AFRC  
Site and Civil Design

**Site Location**  
Glen Jean  
Fayette County, WV

**Owner**  
West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

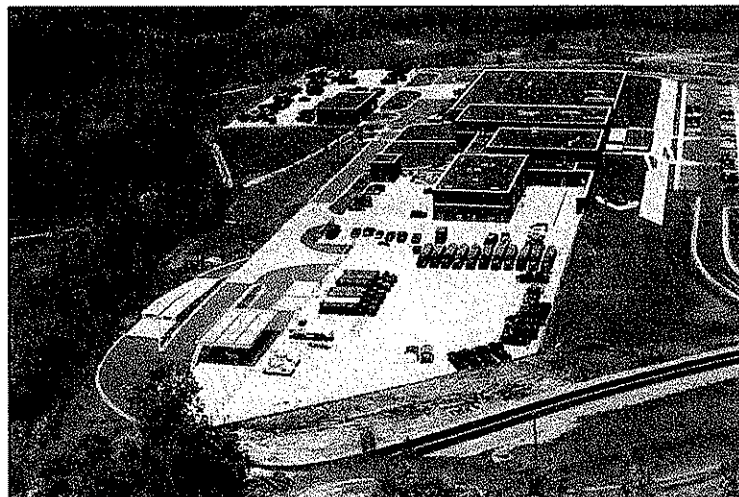
The Glen Jean Armed Forces Reserve Center Project included a Readiness Center, a Military Entrance and Processing Station (MEPS), and an Organizational Maintenance Shop (OMS). The complex consists of over 100,000 square feet of heated space, additional unheated storage and approximately 32,000 square yards of rigid and flexible paving. The new facility occupies a 35 acre tract on a former strip mine near Glen Jean in Fayette County. Capitol Engineering, Inc. (CEI) performed all of the site investigation and site/civil design aspects of the project, as well as construction administration for the sitework. Total project cost was \$19,000,000.

The project included the following major design elements:

1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Mine subsidence investigation
5. Utility and construction easements



# PROJECT EXPERIENCE



## Project Title

Kingwood Readiness Center  
Site and Civil Design

## Site Location

Camp Dawson Collective Training Center  
Preston County, WV

## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

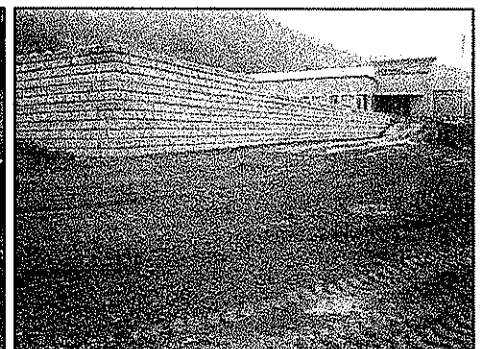
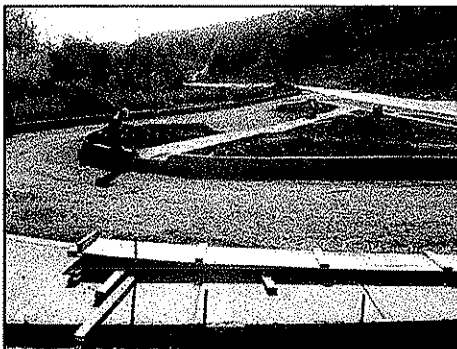
The Kingwood Readiness Center consists of a 20,000 square foot building adjacent and connected to the existing Camp Dawson Armed Forces Reserve Center in Preston County. The new facility occupies the site of the AFRC parking lot, this required design of a new access road and parking lots for both buildings. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. Total project cost is \$6,500,000.

The project includes the following major design elements:

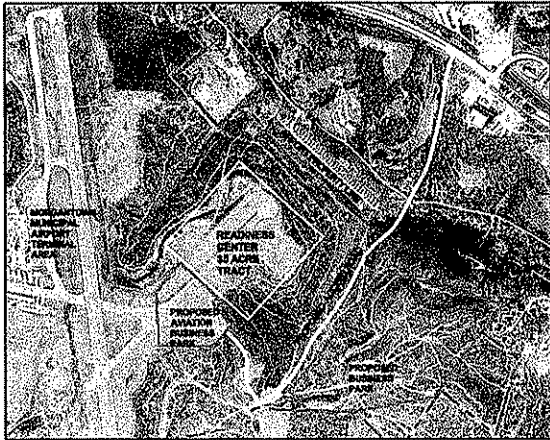
1. Utilities and general site features
2. Military equipment parking
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Utility and construction easements



# PROJECT EXPERIENCE



## Project Title

Morgantown Readiness Center  
Site and Civil Design

## Site Location

Morgantown Municipal Airport  
Monongalia County, WV

## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

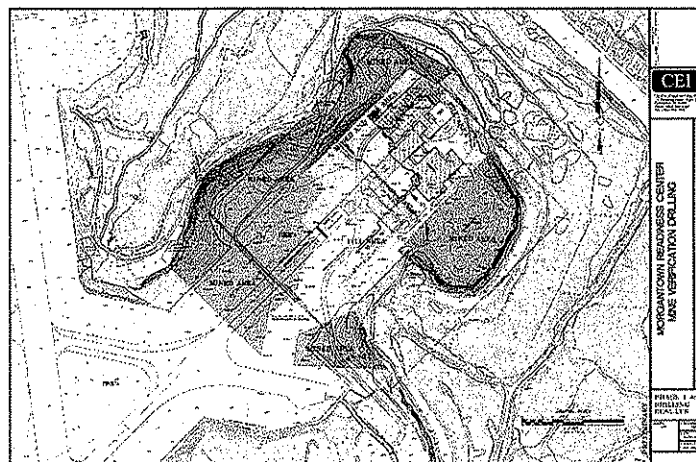
The Morgantown Readiness Center complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 32,000 square yards of rigid and flexible paving. The new facility will occupy a 35 acre tract on a former runway at the Morgantown Municipal Airport in Monongalia County. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. Total project cost is estimated to be \$20,000,000.

The project includes the following major design elements:

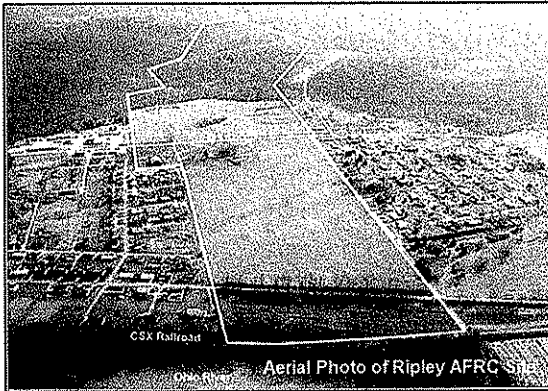
1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Mine subsidence investigation
5. Utility and construction easements



# PROJECT EXPERIENCE



## Project Title

Ripley Armed Forces Reserve Center  
Site and Civil Design

## Site Location

Millwood  
Jackson County, WV

## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

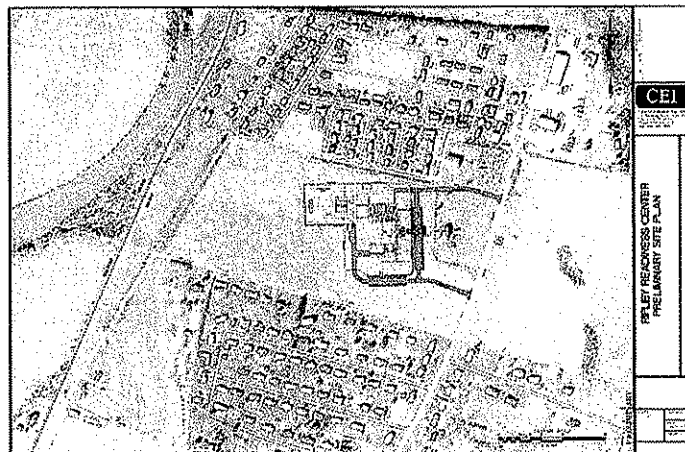
The Ripley Armed Forces Reserve Center Project includes a Readiness Center, a maintenance shop and an equipment storage building. The complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 22,000 square yards of rigid and flexible paving. The new facility occupies a 335 acre tract on the former Eastern Star property near Millwood in Jackson County. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. This project has an estimated cost of \$20,000,000.

The project includes the following major design elements:

1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

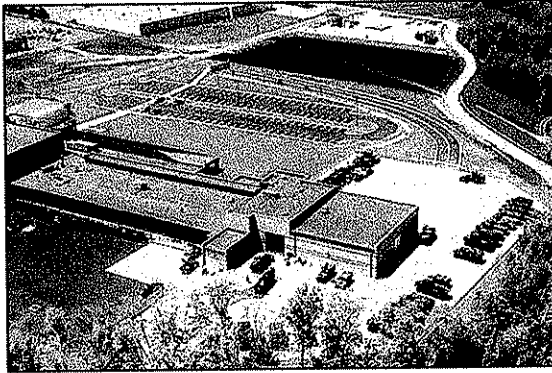
The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Drainage and construction easements





# PROJECT EXPERIENCE



## Project Title

Summersville Readiness Center  
Site and Civil Design

## Site Location

Summersville  
Nicholas County, WV

## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

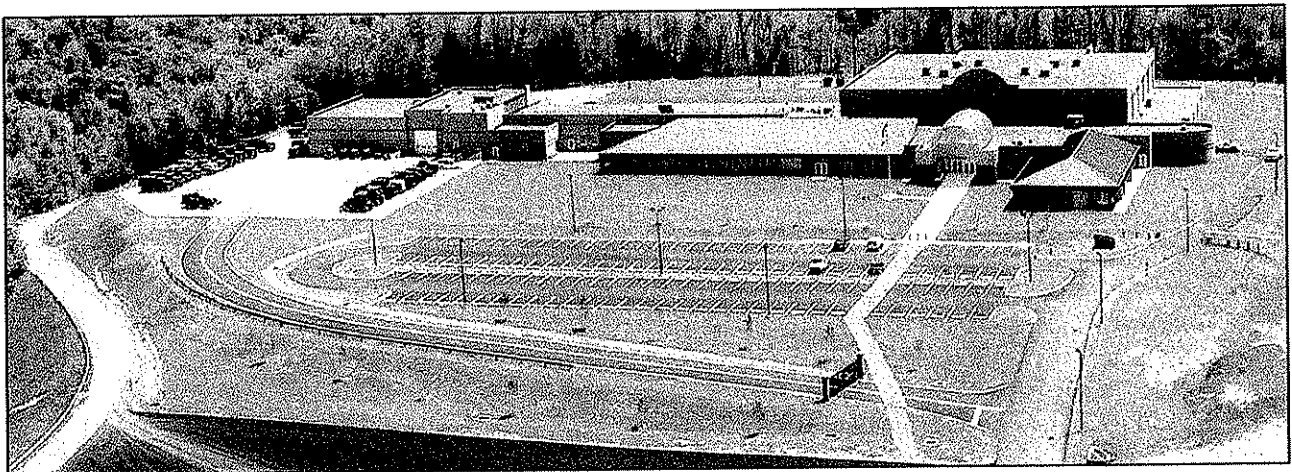
The Summersville Readiness Center Project included a Readiness Center, a Civic Arena and Conference Center, and a unit maintenance shop. The complex consists of over 70,000 square feet of heated space, additional unheated storage and approximately 21,000 square yards of rigid and flexible paving. The facility occupies a 35-acre tract behind the Northside Center in Summersville, Nicholas County. Capitol Engineering, Inc. (CEI) was selected to perform all aspects of the site investigation. Capitol Engineering, Inc. (CEI) performed all of the site investigation and site/civil design aspects of the project. Total project cost was \$15,000,000.

The project included the following major design elements:

1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Easement and right-of-way acquisition





# C O R P O R A T E P R O F I L E



Clingenpeel/McBrayer & Associates, Inc.



## Services

Clingenpeel/McBrayer & Associates is a West Virginia based small business firm, providing services in the areas of HVAC, plumbing, fire protection and electrical engineering. CMA's founders have long believed in the philosophy that a successful project requires a comprehensive approach. This includes all traditional facets of project planning, starting with master planning, working closely with the client, developing the completed construction documents, bidding the project and contract administration. However, our depth of expertise goes far beyond the traditional services. From developing design criteria for owners to designing the mechanical and electrical systems for the West Virginia DEP Consolidated Office Building, the first LEED certified building in the state, CMA is a proven leader in providing engineering services in the design-build delivery method.

## History

Since 1986, Clingenpeel/McBrayer & Associates has provided services on numerous projects of varying size and complexity. Clients include architects, industrial companies, governmental agencies, contractors, engineers, developers and private organizations. Project locations include West Virginia, Virginia, Ohio, Kentucky, Maryland, Pennsylvania, California and Connecticut.

## Commitment

Clingenpeel/McBrayer & Associates' submittal is based on your needs and our experience. Our firm has the experience, service and quality work to create a successful project. We are committing senior design professionals in order to assure you receive top priority. We have extensive experience with projects of this nature. Examples of projects for which we were the Engineer are listed in this proposal.

From an initial staff of five employees in 1986, the company has steadily grown and now has two offices with a staff of fourteen which includes two professional engineers and two engineers-in-training. Facilities and equipment have grown to support CMA's staff and client's needs.

In 1987, computer aided drafting stations were added to provide the best quality and engineering services for our clients. We are currently operating AutoCad 2009. Our firm is constantly monitoring the latest technology, the cost effects and the end results to the final project.

Present staffing allows CMA to complete work in a timely manner without limiting our ability to perform our ongoing work. The staff of CMA is large enough to handle any size project, yet small enough for direct input and supervision by key personnel.

## EXPERIENCE

### Previous Five Years

|                    |                |
|--------------------|----------------|
| Projects:          | 492            |
| Construction Costs |                |
| MEP Costs:         | \$156,039,689. |
| Total Costs:       | \$472,847,542. |



Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive  
Charleston, WV 25313  
(304) 343-0316 tel  
(304) 343-5146 fax

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

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# P R O F I L E

Timothy Cox, P.E.,  
NCEES.  
President  
Mechanical Engineer

(304) 598-2558  
tcox@cmawv.com

## EDUCATION

University of Colorado  
Boulder, Colorado  
Degree: Mechanical Engineering B.S.

## REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Association of Energy Engineers-CBCP

Registered Professional Engineer in WV, CO, TN, VA,  
MD, KY

CPD (Certified in Plumbing Engineering)

Member of ASHRAE

American Society of Plumbing Engineers

National Association of Fire Protection Engineers

WV Society of Healthcare Engineers

## EXPERIENCE

Mr. Timothy Cox, President and Senior Mechanical Engineer of CMA Engineering brings 24 years of mechanical design experience to our clients. Mr. Cox has been project manager and project engineer for a variety of

## PROJECTS

**West Virginia University-Open End Contract since 1999**  
Mountain Lair Plaza Renovations  
Boreman HVAC/Plumbing/Fire Sprinkler Upgrades  
Soccer Stadium  
Coliseum Life/Safety Renovations  
Coliseum Locker Room Suites  
Engineering Science Building Addition/Renovations  
Arnold Hall Fire Alarm/ Fire Sprinkler Upgrades  
Wrestling Training Facility

### WVU Health Sciences Center

Electrical and Mechanical Utility Extensions for  
BioMedical Research Facility

### West Virginia University Hospitals

WV Eye Institute-MEP systems design for new facility  
Cheat Clinic-MEP design for new clinical addition  
WVUH Emergency Department-HVAC, electrical, fire and communication systems design for new addition  
Chestnut Ridge Hospital-various MEP renovations  
Healthworks Rehab and Fitness -MEP systems design for new facility

### Mylan Pharmaceuticals, Morgantown, WV

Various projects including HVAC, plumbing, fire Sprinkler and controls for new office building, fluid bed addition, north plant expansion, parking garage and weighing and packaging.



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(304) 598-2472

www.cmawv.com

# P R O F I L E

Daniel Lee Ellars, P.E.

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

## EDUCATION

West Virginia University Institute of Technology  
Montgomery, West Virginia.  
Bachelors of Science in Electrical Engineering

West Virginia State University  
Institute, West Virginia  
Bachelors of Science in Business Administration

## REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Registered Professional Engineer in West Virginia  
National Fire Protection Association (NFPA)  
Institute of Electrical and Electronics Engineers (IEEE)  
American Society of Heating, Refrigerating and Air-  
Conditioning Engineers (ASHRAE)

## EXPERIENCE

Mr. Daniel L. Ellars, Electrical Engineer for Clingenpeel/McBrayer & Associates, Inc. brings 19 years of electrical design experience to our clients. Mr. Ellars has been a project manager and project engineer for a variety of projects including commercial and industrial facilities as well as for both power and tele-communications utilities.

## PROJECTS

### Educational Experience

Jackson County (WV) Schools—Electrical Upgrades & Expansions.

### Hospital Experience

West Virginia University / Ruby Memorial Hospitals  
West Virginia Eye Institute—Electrical systems design for new facility.  
Thomas Memorial Hospital—Electrical systems survey, upgrades and documentation. Standby emergency power engine/generator replacement.

### Military Experience

West Virginia Army National Guard  
Eleanor (WV) Maintenance Center—Electrical systems design for new facility.

### Correctional Experience

St. Mary's Correctional Center—Multiple emergency power engine/generator systems with combined control and monitoring.

### Industrial Experience

Mylan Pharmaceuticals  
Mylan Office & Lab Buildings—various electrical systems designs for new, existing and expanded facilities including new 23kV/12kV switchyard and grounding plain layout.



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(304) 598-2472

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# P R O F I L E

**James A. Kerns**  
Mechanical/Electrical Designer

(304) 343-0316  
jkerns@cmawv.com

## EDUCATION

West Virginia State College  
Institute, West Virginia  
Degree: Bachelor of Science in Industrial Technology/  
Building Construction

## REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Member of ASHRAE

## EXPERIENCE

Mr. James A. Kerns has over 32 years experience in Mechanical and Electrical engineering design. He has been responsible for design projects in the educational, commercial, and health care fields.

Mr. Kerns has been a great asset to Clingenpeel/McBrayer & Associates. His knowledge and experience enables him to complete project designs in a clear and concise manner and in a timely fashion.

## PROJECTS

### **Kanawha County Schools**

George Washington High School-HVAC Renovations  
George Washington High School-Classroom Additions  
Horace Mann Middle School-HVAC Renovations  
Elkview Middle School-Classroom Additions  
Elkview Middle School-Fire Alarm System  
Ruffner Elementary School-Classroom Additions  
Point Harmony Elementary School-Activity Building

### **Concord College**

Athens, West Virginia — various renovation projects throughout the campus, which include Twin Towers Fire Alarm, Twin Towers Elevator Renovation, and Alexander Arts Center Chiller Replacement.

### **U.S. Postal Service**

Open End Contract Since 1993, which encompasses numerous Post Office Renovations, new Post Offices, and new Postal Maintenance Facilities. Mr. Kerns has been Project Manager for over 65 projects for the U.S. Postal Service.

### **Yeager Airport**

New Parking Garage  
New Emergency Generator  
Electrical Upgrades  
Fire Alarm System Upgrade  
Security Upgrade  
Fire Sprinkler Renovations



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P R O F I L E

**Matt Corathers, E.I.**  
**Mechanical Designer**

(304) 598-2558  
mcorathers@cmawv.com

**EDUCATION**

West Virginia University  
Bachelor of Science -Mechanical Engineering

**PROFESSIONAL DEVELOPMENT**

Successfully passed Fundamentals of Engineering Exam

**EXPERIENCE**

Matt is a recent addition to CMA Engineering having previously worked for Whitman, Requardt and Associates in Baltimore, MD.

**PROJECTS**

**West Virginia University**

Mechanical design for new two-story child care facility

**University High School, Morgantown, WV**

Mechanical design for renovations/ upgrades to the HVAC systems

**Randolph County Building**

Mechanical design for completion of two story addition and modifications of the existing second floor to be used by the Family Court

**Monongalia County Family Court**

Mechanical design for renovations to 4,850sf in existing court facility

**University of Maryland Field House**

Mechanical design for the replacement of two heat exchangers and a domestic use-hot water generator

**Vilotteville Elementary School, Maryland**

Mechanical design for the addition of 24 new classrooms



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(304) 598-2472

www.cmawv.com

# P R O F I L E

**Jeremy R. Perry, E.I.**  
Mechanical Designer  
(304) 343-0316  
jperry@cmawv.com

## EDUCATION

San Jose University  
San Jose, CA  
Degree: Mechanical Engineering B.S.

## PROFESSIONAL DEVELOPMENT

Successfully passed Fundamentals of Engineering Exam  
WV Society of Healthcare Engineers

Various ASHRAE, HVAC and LEED design courses

## EXPERIENCE

Jeremy is a recent addition to CMA Engineering having previously worked for MKK Consulting Engineers, Billings, Mt.

## PROJECTS

### Educational Experience

Bighorn County School District #1, Wyoming  
Grey Bull Elementary-LEED Analysis  
New Rocky Mountain Junior/Senior High  
Cowley High School

Sheridan County School District #1, Wyoming  
Big Horn High School Campus  
Tongue River High School

Powell High School Kitchen Renovation  
Shoshoni High School Gym Renovation

### Hospitality Experience

Warren Miller Lodge, Big Sky, MT

### Religious Facilities

King of Glory Church, Billings, MT

### Commercial Experience

Sheridan Bank, Sheridan, WY  
Bighorn County Historical Museum, Hardin, MT



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www.cmawv.com

# P R O F I L E

## Samuel Aaron Ward Electrical Designer

(304) 343-0316  
award@cmawv.com

### EDUCATION

West Virginia University Institute of Technology  
Montgomery, West Virginia.  
Bachelors of Science in Electrical Engineering

### REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Institute of Electrical Engineers (IEEE)  
West Virginia Society of Healthcare Engineers

### EXPERIENCE

Mr. Samuel Aaron Ward, Electrical Designer, for CMA Engineering brings two years of electrical design experience to our clients. Mr. Ward has been a project engineer for a variety of projects in the petroleum industry as well as for power utilities.

### PROJECTS

#### Educational Experience

Clendenin Elementary School-Elevator/fire alarm upgrades

#### Emergency Center Experience

Bridgeport Fire/Police Station-Lighting and electrical design for new facility  
Wetzel County 911 Center-Lighting and electrical systems design for new facility

#### Military Experience

Elkins Armed Forces Readiness Center-Lighting and electrical systems design for new facility  
Gassaway Armory-Electrical design for addition and renovation to existing facility

#### Waste Water Treatment Experience

Mingo County Racetrack-Lift Station, lagoon aerator, and sprinkler electrical system design

#### Industrial Experience

Marathon Petroleum, LLC-Variou industrial automation projects using PLCs.

The logo for CMA Engineering features the letters 'CMA' in a large, stylized, serif font. Below 'CMA', the word 'ENGINEERING' is written in a smaller, all-caps, sans-serif font.

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(304) 598-2472

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# P R O F I L E

## Larry Weese Mechanical/Plumbing Designer

(304) 343-0316  
lweese@cmawv.com

### EDUCATION

West Virginia University  
Morgantown, West Virginia  
Degree: Division of Forestry BS,MS

### PROJECTS

#### Medical Facilities Experience

##### Charleston Area Medical Center

Women & Children's Hospital- Renovations to  
Emergency Room

##### Hess Medical Office Building-New Facility

##### Pinewood Medical Office Building-Renovations

##### Southern West Virginia Hospice-New Facility

##### NorthGate Doctor's Office Building-New Facility

#### WV Department of Health and Human Resources

Office of Chief Medical Examiner, Charleston  
New Facility Mingo County

#### 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

### PROFESSIONAL DEVELOPMENT

Various seminars and technical sessions

### EXPERIENCE

Mr. Larry Weese, Mechanical Designer for Clingenpeel/McBrayer & Associates, Inc. brings 18 years of mechanical design and project management experience to our clients.



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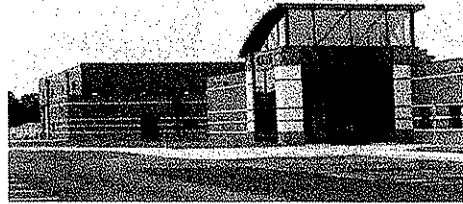
## Project Profiles

## New Construction

Design of mechanical, electrical, plumbing, fire protection and communication systems

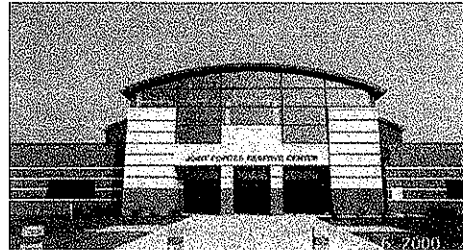
### WVANG Eleanor Maintenance Center

CMA Engineering provided mechanical, electrical and plumbing, design services for a 132,000sf maintenance facility to house combined support maintenance shop and Class IX USPFO warehouse. CMA has continued to provide engineering services for the addition of the paint booth, entrance guard house, MCOFT pad, and covered storage.



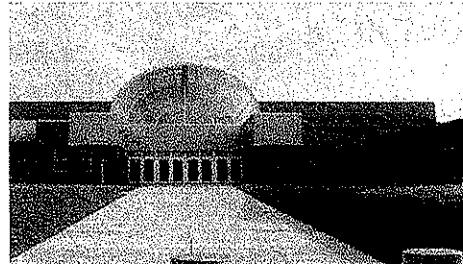
### WVANG Eleanor Readiness Center

CMA Engineering provided engineering services for the design of mechanical, electrical and plumbing systems for the new 80,000sf readiness center, including a 16,000sf section that is utilized by the United States Navy.



### WVANG Summersville Readiness Center

CMA Engineering provided engineering services for the design of mechanical, electrical and plumbing systems for the 42,000sf readiness center. This facility also features areas for use by the City of Summersville for events throughout the year.



### WVANG Lewisburg Readiness Center

CMA Engineering provided mechanical, electrical and plumbing design services for a 37,000sf readiness center that includes a vehicle maintenance bay.



### WVANG Elkins Readiness Center

CMA Engineering is currently providing design of HVAC, plumbing, fire sprinkler and fire alarm systems, and electrical systems for new 54,500sf readiness center.

No Photo Available

In Design Phase

**CMA**  
ENGINEERING

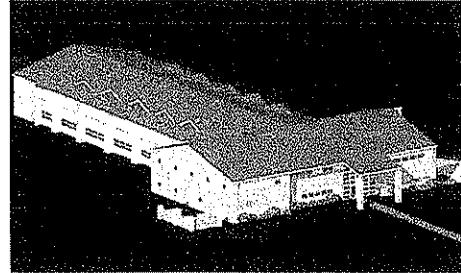
## Project Profiles

## New Construction

Design of mechanical, electrical, plumbing, fire protection and communication systems.

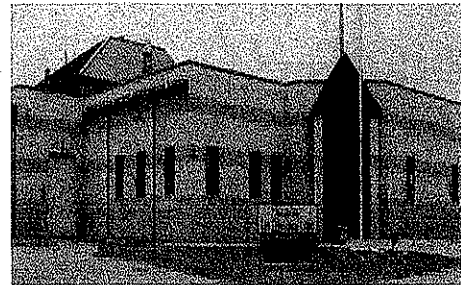
### WVANG-Fire Station

CMA Engineering is currently providing design services for the HVAC, plumbing, fire alarm, fire sprinkler, communications systems, lighting and electrical power for the design/build of the new approximately 21,000sf fire/crash/ rescue station in Charleston, WV.



### New Randolph County 911 Center

CMA has just completed design services for HVAC, plumbing, fire alarm, fire sprinkler, electrical and communications systems for the new 12,000sf facility.



### Harrison County 911 Center

CMA Engineering provided mechanical, electrical, plumbing, fire alarm, fire sprinkler and communication systems design services.



### New Raleigh County 911 Center

CMA is currently providing design services for HVAC, plumbing, fire sprinkler/alarm systems, data and communication and electrical power for the new Emergency Operation Center in Raleigh County.



## Project Profiles

## New Construction

Design of mechanical, electrical, plumbing, fire protection and communication systems.

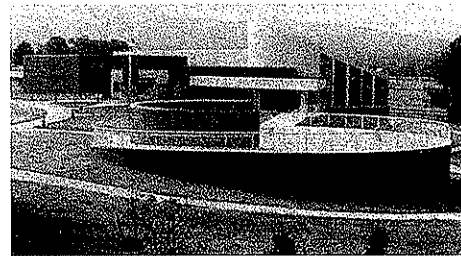
### Mylan Pharmaceuticals

CMA Engineering provided mechanical, electrical, plumbing and fire protection systems design for new corporate office in Morgantown, WV. CMA Engineering is currently providing engineering services for the 425,000sf addition to the plant facility.



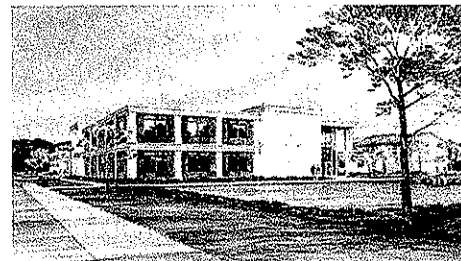
### NRAO Greenbank Observatory Visitor's Center

CMA Engineering provided mechanical, electrical, plumbing, fire protection and communication systems design for new visitor's science center.



### St. Albans Community Center

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.



### Go-Mart Office Building

CMA provided mechanical, electrical and plumbing design services for the new 13,000sf corporate office building in Gassaway, WV.



### 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 2006, CMA provided design for the addition of a wing to the second dormitory. dormitory to be built during the summer break.



**CMA**  
ENGINEERING

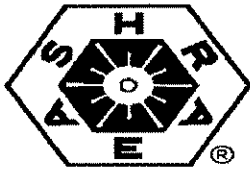
## Professional Affiliations



Leadership in Energy &  
Environmental Design  
(LEED)



U.S. Green Building  
Council  
(USGBC)



American Society of  
Heating, Refrigerating and  
Air Conditioning Engineers,  
Inc.,  
(ASHRAE)



American Institute of  
Architects— WV Chapter  
Affiliate Member  
(WVAIA)



National Fire  
Protection Association  
(NFPA)

ASPE

American Society Of  
Plumbing Engineers  
(ASPE)



MasterSpec  
Specifications  
(ARCOM)



The  
LIGHTING  
AUTHORITY

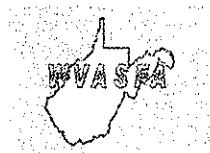
Illuminating  
Engineering Society  
(IES)



WV Society of  
Healthcare Engineers  
(WVSHE)



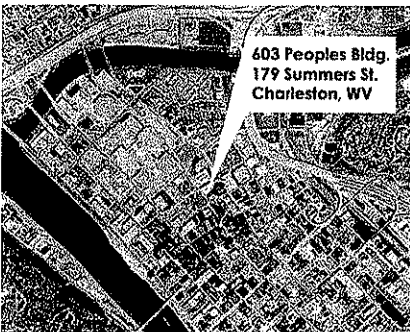
International Code Council (ICC)



Business Partner

CMA  
ENGINEERING

# Background



Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 2005.

For more than a 15 years, Mr. Richardson has had sole responsibility for the structural engineering design of more than 5 million square feet of built space. The construction costs of these projects exceeded a half billion dollars. His experience, which ranges from small to very large multi-phase projects, is invaluable in providing the technical expertise and creative flexibility to deliver results in a prompt and reliable manner.

Our staff's experience encompasses a wide variety of building types and sectors, and our expertise includes design analysis for steel, concrete, masonry, and wooden structures.



# Resume



Douglas R. Richardson, P.E.  
President/Structural Engineer

## Education

North Carolina State University, (8/87-5/89).

Masters of Science in Civil Engineering, major in structures and minor in construction.

GPA 4.0/4.0.

West Virginia University, (8/83-8/87)

Bachelors of Science in Civil Engineering.

Ranking: 1st out of approximately 450 College of Engineering graduates. GPA 3.98/4.0.

## Professional Registration

Professional Engineer - WV #11699, MS #12349

Maintains active record with NCEES to facilitate prompt registration in additional states as required.

## Professional Affiliations

American Society of Civil Engineers

American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

Timber Framers Guild

US Green Building Council



# Resume



FaLena R. Perry, E.I.T.  
Project Manager/Structural Engineer

## Education

University of Kentucky, (8/03-12/05).

Masters of Science in Civil Engineering,  
Structural emphasis.

University of Kentucky, (8/98-8/03).

Bachelors of Science in Civil Engineering,  
Structural emphasis.

## Professional Registration

Engineer In Training

## Professional Affiliations

Structural Engineers Association of Kentucky  
American Concrete Institute  
American Institute of Steel Construction

## Experience

500's on Main, Lexington, KY. 167,000 s.f. Mixed  
Use Development spanning a city block.

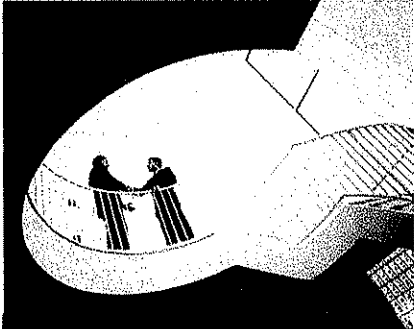
Kentucky Outdoor Arena and Hospitality Building.  
10,000 seat equestrian arena with hospitality  
suites.

MacAdam Student Observatory. Modularly con-  
structed steel frame observatory.

New Science Building, Eastern Kentucky University.  
180,000 SF Classroom and laboratory facility.



# Approach

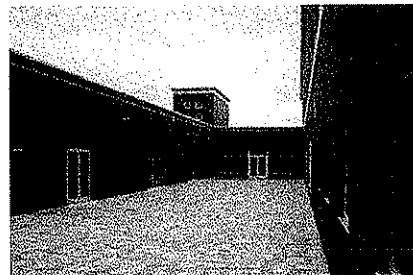
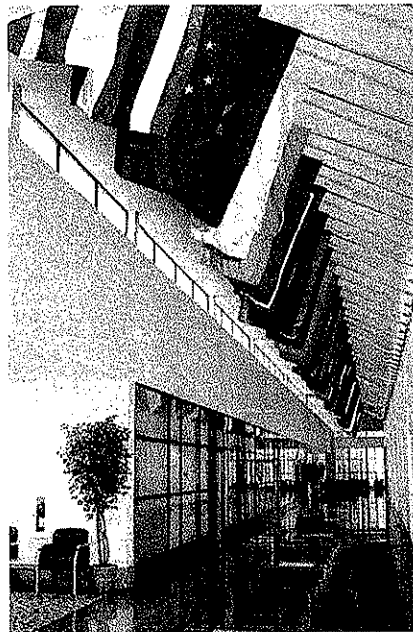
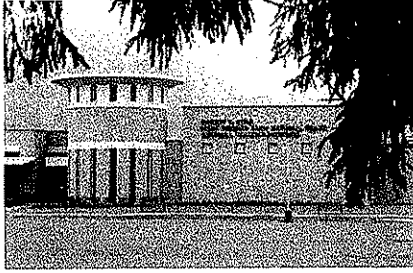


At Moment Engineers, we recognize that the architect is the primary contact for the building owner. Our role is to strengthen that relationship by producing high quality designs in a prompt and cost effective manner. To that end, we emphasize incorporating traditional and technical means of communication and data transfer to ensure a seamless integration of structural integrity and architectural creativity.

We believe that the practice of engineering is the point at which science and society meet. We also believe that the architects and builders we serve are essential in the development of the fundamental dignity of the community. Moment Engineers is strongly committed to developing structural solutions which bring permanence and strength to the expression of architectural thought.





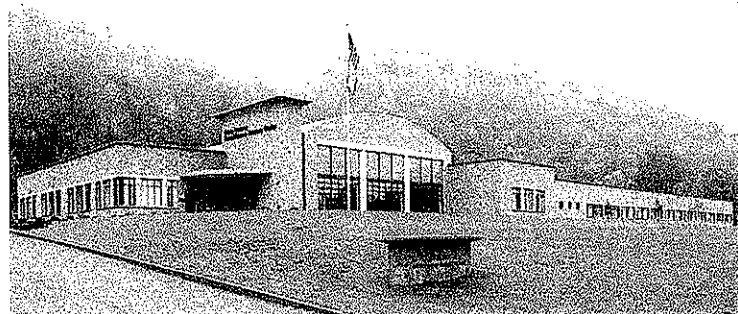


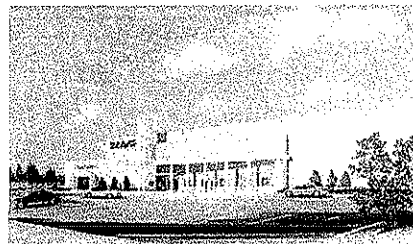
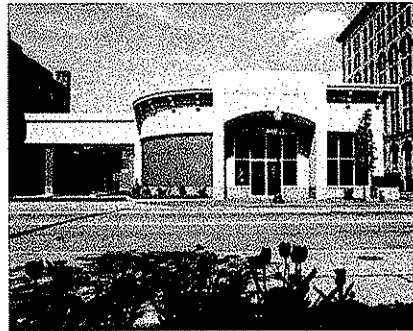
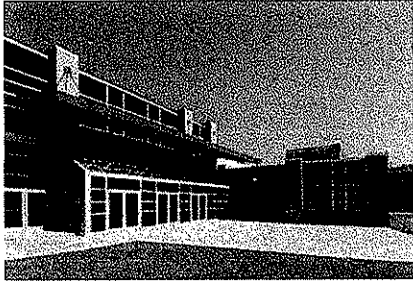
## West Virginia Army National Guard Project Experience

Douglas Richardson has provided the structural engineering and design for the following projects:

- Robert C. Byrd Regional Training Institute - Camp Dawson, WV
- Armed Forces Reserve Center - Camp Dawson, WV
- Armed Forces Reserve Center - Glen Jean, WV
- Construction & Facilities Management Office - Charleston, WV
- Mountaineer Challenge Academy - Camp Dawson, WV
- Armed Forces Reserve Center - Elkins, WV

These six facilities total over 422,000 square feet of built space, and each serves as a outstanding example of how a military structure can enhance the readiness of the units they support while also contributing to the local, state and national communities in which they are located. The structural systems utilized include steel frames, reinforced concrete and masonry, load bearing cold-formed steel studs, and long span steel joists.





## Additional Project List

In addition to these WVARNG projects, Moment Engineer's staff experience includes a wide variety of new building design and existing building analysis.

The list below is a small sample of the projects for which Douglas Richardson has had responsible charge of the structural engineering, design and contract document production. A more extensive list is available upon request.

| <u>Project</u>                               | <u>Sq. Ft.</u> |
|--|----------------|
| Barboursville Elementary School              | 63,947         |
| Greenbrier East H.S. Renovations & Additions | 205,057        |
| Lincoln Co. High School                      | 216,500        |
| Wayne Co. Spring Valley High School          | 175,000        |
| St. Albans High School                       | 172,600        |
| Dunbar Primary Center School                 | 14,100         |
| Judge Donald F. Black Courthouse Annex       | 37,000         |
| WV Hospital Association Office Building      | 29,710         |
| Cabell West Elementary School                | 55,788         |
| Capital State Bank                           | 4,088          |
| Kappa Alpha Fraternity House, WVU            | 14,000         |
| Sears, Chesterfield Mall, Richmond VA        | 146,980        |
| Sears, Loudon VA                             | 132,600        |
| Alderson Federal Prison Dormitory            | 60,625         |
| Western Juvenile Detention Center            | 29,015         |
| Cacapon State Park Addition                  | 9,842          |
| Lewisburg United Methodist Church            | 12,800         |
| Kroger Store Renovation, Kanawha City        | 15,427         |
| Goodwill Industries Renovation and Addition  | 15,460         |