



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

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About



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Solicitation Response(SR)

Dept: 0211

ID: ESR11101500000002157

Ver.: 1

Function: New

Phase: Final

Modified by batch , 11/12/2015

Header

[List View](#)

General Information

[Contact](#)[Default Values](#)[Discount](#)[Document Information](#)

Procurement Folder: 141136

SO Doc Code: CEOI

Procurement Type: Central Contract - Fixed Amt

SO Dept: 0211

Vendor ID: 000000205511

SO Doc ID: GSD1600000005

Legal Name: CMA ENGINEERING

Published Date: 10/28/15

Alias/DBA:

Close Date: 11/12/15

Total Bid: \$0.00

Close Time: 13:30

Response Date: 11/10/2015

Status: Closed

Response Time: 14:28

Solicitation Description: Addendum 2 EOI A/E Services for HVAC Renovations of Bldg 36

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 : 141136

Solicitation Description : Addendum 2 EOI A/E Services for HVAC Renovations of Bldg 36

Proc Type : Central Contract - Fixed Amt

| Date issued | Solicitation Closes | Solicitation No | Version |
|-------------|------------------------|------------------------------|---------|
| | 2015-11-12 13:30:00 | SR 0211 ESR11101500000002157 | 1 |

VENDOR

000000205511

CMA ENGINEERING

FOR INFORMATION CONTACT THE BUYER

Laura E Hooper
(304) 558-0468
laura.e.hooper@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 | EOI A/E Services for HVAC Renovations of Building 36 | | | | |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 81100000 | | | |

| | |
|------------------------|--|
| Extended Description : | EOI A/E Services for HVAC Renovations of Building 36 |
| | |



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

State of West Virginia
Centralized Expression of Interest

Proc Folder: 141136

Doc Description: Addendum 2 EOI A/E Services for HVAC Renovations of Bldg 36

Proc Type: Central Contract - Fixed Amt

| Date Issued | Solicitation Closes | Solicitation No | Version |
|-------------|------------------------|-------------------------|---------|
| 2015-10-28 | 2015-11-12 13:30:00 | CEOI 0211 GSD1600000005 | 3 |

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:

CMA Engineering
824 Cross Lanes Drive
Charleston, WV 25313
(304) 343-0316

FOR INFORMATION CONTACT THE BUYER

Laura E Hooper
(304) 558-0468
laura.e.hooper@wv.gov

Signature X

Daniel L. Ellars

FEIN # 55-0659239

DATE 11/10/2015

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

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD1600000005

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

| | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" 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.

CMA Engineering

Company

Daniel L. Ellare

Authorized Signature

11/10/2015

Date

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

Revised 6/8/2012

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.

CMA Engineering
(Company)

Daniel L. Ellars DANIEL L. ELLARS - PRINCIPAL
(Authorized Signature) (Representative Name, Title)

(304) 343-0316 ph (304) 343-5146 fax 11/10/15
(Phone Number) (Fax Number) (Date)

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: CMA Engineering

Authorized Signature: Daniel L. Ellan Date: 11/10/2015

State of WV

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 10 day of November, 20 15

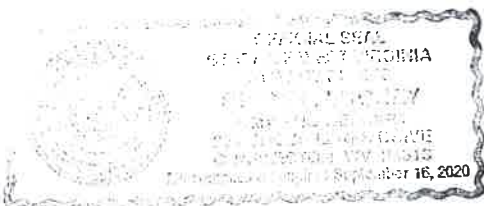
My Commission expires September 16, 20 20

AFFIX SEAL HERE

NOTARY PUBLIC

Cindy L. Looney

Purchasing Affidavit (Revised 07/01/2012)



Expression of Interest

To Provide

Professional Engineering/Architectural Services

For HVAC Renovations

Of Building 36

CEOI #GSD1600000005

November 12, 2015



Clingenpeel/McBrayer & Associates, Inc.

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

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

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Clingenpeel/McBrayer & Associates, Inc.

November 10, 2015

Ms. Laura E. Hooper
Dept. of Administration-Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Re: Expression of Interest– GSD1600000005 HVAC Renovations for Building 36

Dear Ms. Hooper:

CMA Engineering is pleased to submit, for your consideration, our qualifications and experience in providing engineering services for the HVAC Renovations at Building 36.

CMA Engineering has provided mechanical and electrical engineering services on numerous projects during our twenty-nine years, and we feel this is an excellent opportunity for our firm to assist you in successfully completing this project. Our design professionals are educated in the latest technological and industrial standards and work closely with the owner and contractor from start to finish assuring that the project is completed on time and within budget.

CMA Engineering will act as Prime Consultant on this project and will utilize the professional expertise of N Visions and Moment Engineers for any architectural and structural engineering design.

We appreciate your consideration of our firm and look forward to presenting a more comprehensive statement of our qualifications in a personal interview.

Sincerely,

CMA Engineering

A handwritten signature in blue ink that reads "Daniel L. Ellars".

Daniel L. Ellars, P.E.

Principal

enclosures

Clingenpeel/McBrayer & Associates, Inc.

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

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

CORPORATE PROFILE



Clingenpeel/McBrayer & Associates, Inc.



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 28 years, CMA has provided electrical and mechanical design and contract administration services to various government facilities throughout the State. These facilities and projects range from the design of the proto-type District 10 complex, which included the office headquarters, maintenance facility and sign shop, and whose design has been used as a basis for the new facilities in District 1, 6, 7, 8, and 9; to the design of the new Elkins Readiness Center to the HVAC renovations at Building One at the State Capitol Complex. 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.

Clingenpeel/McBrayer & Associates, Inc.

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

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

STATE OF WEST VIRGINIA PROJECTS

Experience

New Construction

WVDOT

District 10 Administrative Office Building

District 10 Equipment Shop

District 10 Sign Shop

District 6 Bridge & Signs Building

District 9 Administrative Office Building

District 8 Equipment Shop

District 1 Administrative Office Building

Tamarack

Tamarack-Caperton Conference Center

Tourism Maintenance Building-Beckley

WVNG

Eleanor Maintenance Center

Eleanor Readiness Center

Summersville Readiness Center

Lewisburg Readiness Center

Elkins Readiness Center

Moorefield Readiness Center

WVDEP

New Consolidated Office Building

WVDHHR

New Williamson Office Building

WVDNR

Chief Logan Lodge & Conference Center

Canaan Valley Ski Lodge

Beech Fork State Park New cabins, bath-house and 237 camping sites

WV Division of Corrections

WV Industrial Home for Youth—New two-story dormitory

Pruntytown Correctional Facility—new single story dormitory and new drug abuse treatment facility

WVU

WV Eye Institute

HealthWorks Physical Therapy

Diesl Soccer Stadium

Indoor Practice Facility

Cheat Lake Clinic

Nursery & Childcare Center

Intermodal Parking Facility

Concord University

University Pointe Alumni Center



WVDOH District One Headquarters

Renovations

State Capitol Complex

HVAC Renovations for Building #1-

House and Senate Offices

Elevator Renovations

Restroom Renovations

WVDHHR

Renovations/Upgrades at 619 Virginia Street for use as the Chief Medical Examiner Office/Laboratory

MEP Renovations South Charleston Lab

WV Division of Corrections

Eastern Regional Jail—MEP renovations to Administration areas and Cell pods A and B

Mount Olive —MEP design for renovations of shell building for use as vocational shops

St. Mary's Correctional Facility—MEP renovations of Building #75 and North South Building

St. Mary's Correctional Facility—Exterior lighting upgrades and additions

Western Regional Jail Pumping Station

WV Department of Revenue

Fairmont Lottery Building —MEP Renovations

WV DNR

Bluestone Swimming Pool Renovations

Cacapon State Park Electrical System Upgrade

Canaan Valley —Fire Alarm System Upgrade

Canaan Valley Electrical Upgrades to Ski Base Facilities & Lift

WVNG

Gassaway Armory— MEP Renovations and Addition

St. Albans Armory—MEP Renovations and Addition

Dunbar Armory—Electrical Upgrades

Welch Armory— Electrical Upgrades

Bluefield Armory—Electrical Upgrades

WVU

Boreman Hall—HVAC Renovations

Arnold Hall—HVAC Renovations

Milan Puskar Center—HVAC Renovations

Coliseum— HVAC Renovations

WVUIT

Orndorff Hall—HVAC Renovations

Davis Hall—HVAC Renovations



824 Cross Lanes Drive
Cross Lanes, WV 25313
(304) 343-0316 telephone
(304) 343-5246 fax

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

M E C H A N I C A L

CMA Engineering experience includes:

Constant Volume Air Handling Systems
Variable Volume Air Handling Systems
Demand Control Ventilation Systems
Natatorium Dehumidification Systems
Building Energy and Management Control Systems
Industrial Ventilation and Exhaust Systems
Steam and Condensate Systems
Cooling Plants and Distribution
Heating Plants and Distribution
Energy Recovery Systems
Water Source Heat Pump Systems
Low, Medium and High Pressure Air Distribution Systems
Direct Digital, Pneumatic and Hybrid Control Systems
Kitchen Ventilation and Exhaust Systems



(top) Ruby Memorial Hospital—Morgantown, WV
HVAC Exhaust System

(middle) Memorial Ice Rink—South Charleston, WV
Refrigerant Pressure Gages

(bottom) Alderson Federal Correctional Facility—Alderson, WV
Steam Plant



Clingenpeel/McBrayer & Associates, Inc.

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Charleston, West Virginia 25313
(304) 343-0316 tel
(304) 343-5146 fax

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Morgantown, West Virginia 26505
(304) 598-2558 tel
(304) 598-2472 fax

www.cma.wv.com

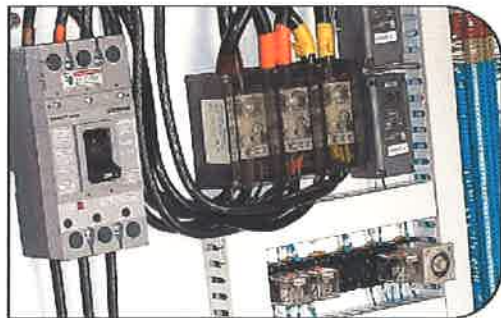
E L E C T R I C A L

CMA Engineering experience includes:

Underground Ducts and Utility Structures
Intrusion Detection
Closed Circuit Television
Cable and Master Antenna Television
Medium Voltage Distribution and Substations
Secondary Voltage Distribution
Engine Generators and Battery Inverters
Transient Voltage Suppression
Interior Lighting
Exterior Lighting
Sports Lighting
Theatrical Lighting
Lighting Control
Uninterruptible Power Supply Systems
Lightning Protection
Intercommunications Systems
Nurse Call
Voice and Data Systems
Fire Detection Systems



(above) Split Rock Pools—Snowshoe, WV
Indirect Lighting System



(below) Memorial Ice Rink—South Charleston, WV
Chiller Power and Control Panel



Clingenpeel/McBrayer & Associates, Inc.

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Charleston, West Virginia 25313
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Morgantown, West Virginia 26505
(304) 598-2558 tel
(304) 598-2472 fax

www.cma.wv.com



(top) Split Rock Pools—Snowshoe, WV
Piping & Pump Room

(middle) Memorial Ice Rink—South Charleston, WV
Piping & Chilling

(bottom) Alderson Federal Correctional Facility—Alderson, WV
Steam Piping

P L U M B I N G & P I P I N G

CMA Engineering experience includes:

Sanitary Sewer Systems
Storm Sewer Systems
Natural Gas Distribution
LP Gas Distribution
Fuel-Oil Distribution
Compressed Air Systems
Vacuum Systems
Chemical Waste Systems
Process Water Systems
Deionized Water Systems
Domestic Water Systems
Helium Distribution Systems
Domestic Water Pumping Systems
Sewage Pumping Systems
Water Heating
Automatic Fire Sprinkler Systems
Standpipe Systems
Fire Pumps, Storage Tanks, Service Mains
Medical Gas Systems



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Morgantown, West Virginia 26505
(304) 598-2558 tel
(304) 598-2472 fax

www.cma.wv.com

Mylan Pharmaceuticals

P.O. Box 4310

Morgantown, WV 26505

Contact: Mr. J. J. Dotson

(304) 599-2595

Concord University

P.O. Box 1000

Athens, WV 24712

Contact: Mr. John Ferguson

(304) 384-5233

West Virginia University

P.O. Box 0877

Morgantown, WV 26505

Contact: Mr. John Thompson

(304) 293-3625

WV Department of Transportation

Bldg. 5, Room A-109

1900 Kanawha Blvd, East

Charleston, WV 25303

Contact: Mr. Nyle Fisher

(304) 558-9289

Davis Memorial Hospital

P.O. Box 1484

Elkins, WV 26241

Contact: Steve Johnson

(304) 637-3129

Kanawha County Schools

3300 Pennsylvania Avenue

Charleston, WV 25302

Contact: Mr. Charles Wilson

(304) 348-6148

State of West Virginia

1900 Kanawha Blvd, East

Bldg. 1, Room MB-60

Charleston, WV 25305

Contact: Mr. Robert Kilpatrick

(304) 558-0250

Harrison County Schools

P.O. Box 1370

Clarksburg, WV 26302

Contact: Mr. Neil Quinn

(304) 624-3325

Clingenpeel/McBrayer & Associates, Inc.

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

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(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

WV Department of Transportation

New District 9 Administration Building
New District 1 Administration Building
New District 8 Equipment Shop
New District 7 Administration Building
New District 7 Equipment Shop

West Virginia University-Open End Contract since 1999

Coliseum Life Safety Renovations
New Soccer Stadium
New Wrestling Training Facility

Military Experience

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

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

National Fire Protection Association

Institute of Electrical & Electronics Engineers

Experience

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

Project Experience

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

Recreational Facilities

Summit Bechtel National Scout Reserve
Canaan Valley Ski Resort

WV Department of Transportation

New District 1 Administration Building
New District 8 Administration Building
New District 7 Administration Building
New District 7 Equipment Shop
Interstate Lighting Upgrades
WVDOH-Utility Study for all 10 Districts

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

Clingenpeel/McBrayer & Associates, Inc.

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(304) 598-2558 phone (304) 598-2472 fax



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

United Hospital Center-New MRI facility

VA Hospital, Clarksburg, WV-Renovations to Dental Lab

Mercer County Nursing Home-Addition

WVU Health Science Center-MRI Renovation and Installation

WVU Health Science Center-PET/CT Scanner & System Installation and Area Renovation

Sundale Palliative Addition

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

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(304) 598-2558 phone (304) 598-2472 fax



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

Military Experience

Elkins Armed Forces Reserve Center
Moorefield Readiness Center
St. Albans Armory Renovations & Additions
Gassaway Armory Renovations & Additions

Emergency Response Facilities

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

WV Department of Transportation

New District 1 Headquarters
New District 8 Equipment Shop
New District 9 Administration Building
New District 7 Administration Building
New District 7 Equipment Shop

Commercial Experience

Bobcat of Advantage Valley-New Facility
Allegheny Springs Restaurant

Educational Facilities K-12

New Sissonville Middle School
New Lewisburg Elementary School
New Talcott Elementary School

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Project Location: Charleston, WV

Project Description: CMA Engineering provided mechanical, electrical and plumbing design services for the new three-story, 28,000 square foot office building to serve the WV Division of Highways administrative personnel for District One. The project also included design of the addition of a 10 foot wide by 75 foot long elevated enclosed walkway (bridge) between the new building and an existing building on the site. The construction documents were re-used from an earlier project designed and built in 1997 (District 10 Complex), but was updated to reflect recent changes in the Divisions operational requirements and updates in the various applicable codes and standards and to accommodate the new facility layout.

Completion Status: 2014



Clingenpeel/McBrayer & Associates, Inc.

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

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



Project Location: Lewisburg, WV

Project Description: CMA Engineering provided mechanical, electrical and plumbing design services for the new three-story, 30,000 square foot office building to serve the WV Division of Highways administrative personnel for one of the ten districts in the State. The construction documents were re-used from an earlier project designed, but was updated to reflect recent changes in the Divisions operational requirements and updates in the various applicable codes and standards. Increases in the emergency power system design included service for a fire pump to serve the fire protection sprinkler system needs for the building. During design and development of the site, it was discovered that the available water utility's water service pressure was inadequate for the sprinkler system. The building's emergency power system capacity was increased to provide the required power for the fire pump.

Completion Status: 2010

Clingenpeel/McBrayer & Associates, Inc.

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

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



Project Location: Moorefield, WV

Project Description: CMA Engineering provided design of HVAC, plumbing, fire alarm and fire sprinkler systems, and electrical systems for the new 57,100sf armory facility including an on-site, standby emergency power system designed to provide 100% of the overall power requirements to the facility in addition to an electrically- driven fire pump. The building consists of an armory combined with a 911 center. Facility also included a vehicle maintenance bay, a distance learning center and classrooms. Designs included a coordination of the campus's complete underground medium-voltage power and telecommunications systems and separation of the armory's and 911 center's telecommunication networks.

Project Owner Contact: Major Rocky Hodges
WV Army National Guard
(304) 561-6353
Rocky.Hodges@us.army.mil

Completion Status: Completed in 2014

Clingenpeel/McBrayer & Associates, Inc.

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

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

Elkins Armed Forces Reserve Center



Project Location: Elkins, WV

Project Description: CMA Engineering provided design of HVAC, plumbing, fire alarm and fire sprinkler systems, and electrical systems for the new 54,500sf all-electric armory facility including an on-site, standby emergency power system designed to provide about 40% of the overall power requirements of the facility in addition to an electrically driven fire pump. Plans were provided to allow an additional engine/generator set to be installed to more than double the system's capacity in the future. Designs included a portable on-site, standby emergency power system for the facility's lift station, and coordination of the campus' complete underground medium-voltage power and telecommunications systems.

CMA complied with the latest requirements of the West Virginia Army National Guard to provide door access security at selected entrances including card readers with magnetic locks or electric hinge locks and door contacts for access monitoring. The fire alarm system was interconnected with a mass notification system for customized procedures in response to various emergency and threat conditions. Power and raceway designs were provided to support the Guard's elaborate security systems to safeguard their weapons vaults.

Project Owner Contact: Major Rocky Hodges
WV Army National Guard
(304) 561-6353
Rocky.Hodges@us.army.mil

Completion Status: Completed in 2012

Clingenpeel/McBayer & Associates, Inc.

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

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



Project Location: Gassaway WV

Project Description: CMA Engineering provided mechanical, electrical and plumbing, design services for the renovation of 24,170 square feet of a single story structure including a 10,900 square feet drill hall and the addition of a new 4,180 sf single story facility to house lockers, storage space, a lobby, corridors and office space. The design included upgrades to plumbing and electrical utilities as well as new HVAC systems and controls for the addition and renovated areas; new power, lighting and communications design; and modifications to the fire alarm, fire sprinkler, security and other systems.

Construction was accomplished while the facility was fully occupied.

Completion Status: Completed in 2010

Clingenpeel/McBrayer & Associates, Inc.

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

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

West Virginia State Capitol- House and Senate Offices HVAC Renovations



Project Description: CMA Engineering provided mechanical and electrical engineering design services for renovations to the first and second floors' HVAC system and third floor HVAC Penthouses at Building #1 that serve the House and Senate area.

The original three-pipe, hydronic system consisting of unit ventilators or fan-coil units in each room fed by a campus steam and chilled water system was replaced with four (4) large air handlers and a ducted variable-air-volume (VAV) system with electric reheat coils. Each air handler was located in a mechanical room with steam and chilled water coils served from the existing campus system. New electric power service was installed at each of these locations to serve the VAV reheat coils. The ducted system and VAV boxes were located in a tight space above the existing ceilings along with a new steel walkway for maintenance. New lighting and fire alarm system components were also installed in these cavity spaces to provide fully functional maintenance access. Each VAV box was provided with a thermostat in each respective space served for room-by-room comfort control and monitoring. Steam humidifiers at each air handler and intake/exhaust openings and ductwork to the roof provide humidification and outside air for ventilation and enhanced indoor air quality control.

Project Size: 96,836 square feet

Name of Owner: State of West Virginia
1900 Kanawha Blvd, East
Building 1 Room MB-60
Charleston, WV 25305

Clingenpeel/McBrayer & Associates, Inc.

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

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



Project Description: CMA Engineering provided mechanical, electrical and plumbing engineering design services for replacement of the HVAC system and renovations to the restrooms and entranceway.

The project consisted of a complete change out of all existing HVAC systems (originally central chiller, central boiler, AHU's, FCU's and other air handling equipment fed through a 2-pipe system and pneumatic controls). New systems were a mixture of gas/electric rooftop units, variable refrigerant volume systems and other VAV packaged systems to serve the entire facility. In this project the main electrical service was modified to suit new distribution and loads, as well as, adding new lighting and ceilings to many of the spaces. Fire sprinkler and fire alarm systems were also modified as required. A new entrance was added for the school and a number of old restrooms were upgraded with new fixtures and piping. Project started construction at the beginning of the 2012 school year for construction during occupancy.

Original Budget: \$5,400,000.00

Construction Cost: \$5,448,900.00

Project Size: 93,598 square feet

Clingenpeel/McBrayer & Associates, Inc.

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

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

Davis Memorial Hospital Boiler Renovation



CMA Engineering provided design for a complete boiler room renovation with three steam boilers serving the hospital's heating and clinical needs. Due to the daily operation requirements of Davis Memorial Hospital, the construction of this project was designed and coordinated for phased construction in order to permit continuous operation of the facility. A new feed-water heater system, steam to hot water converter pumps, and back-up fuel-oil system were included in design and the new systems were designed and installed with a new, complete controls system. Space power, lighting, sprinkler, fire alarm, and various plumbing systems were included in the process of these facility updates. The location of the construction for this project was at the center of the facility on the lower level, requiring close coordination of demolition and new equipment installation in order to minimize and prevent issues with adjacent spaces and occupants. This project was successfully completed over approximately six months of construction and within the established budget assigned to this project.

Owner Contact: Steve Johnson
Davis Memorial Hospital
(304) 637-3129



Clingenpeel/McBrayer & Associates, Inc.

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

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



Project Description: CMA Engineering provided mechanical, and electrical engineering design services for new HVAC systems and associated electrical systems serving the Academic Wing (two floors) and the Band Room in adjacent wing (total renovation area of 50,000sf) and the gymnasium, six rooms and two shop classrooms (approximately 15,000sf). As one main system was serving the entire facility, design for this project included careful consideration of the effects of the new systems on the entire facility. As with most educational facility projects, time constraints were also a major factor.

Original Budget: \$1,500,000.00

Construction Cost: \$1,450,000.00

Project Size: 65,000 square feet

Name of Owner: Harrison County Schools
P.O. Box 1370
Clarksburg, WV 26302

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

Milan Puskar Center HVAC Renovations West Virginia University



Project Description:

In Phase I, CMA Engineering provided design of new HVAC system serving locker room, showers and meeting rooms as existing systems did not have adequate ventilation or temperature control or meet required code. Project also included design for renovations to the electrical, plumbing and fire protection systems.

In Phase II, CMA provided design of new HVAC, plumbing, electrical and fire protection systems to suit required code modifications and provide better temperature control for weight training rooms and adjacent space. The design also changed out all existing electrical heating coils and provided new boiler and heating water loop, as well as, an air conditioning system for weight training spaces.

Construction Cost:

| | Phase I | Phase II |
|-------------------------|--------------|----------------|
| Original Project Budget | \$800,000.00 | \$1,500,000.00 |
| Construction Cost | \$804,000.00 | \$1,460,000.00 |

Project Size:

| | |
|-----------|--------------------|
| Phase I- | 22,500 square feet |
| Phase II- | 27,000 square feet |

Clingenpeel/McBrayer & Associates, Inc.

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

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



CMA provided mechanical, electrical and plumbing design services for the renovation of the existing HVAC system serving the decontamination and post operative suites to maintain temperature and relative humidity per current code requirements in accordance with FGI Health Facilities Guidelines.

CMA also provided design for the plumbing, HVAC, electrical and fire protection systems for 5,000sf surgery suite renovation. Renovation included design of new HVAC system to serve the operating suite.

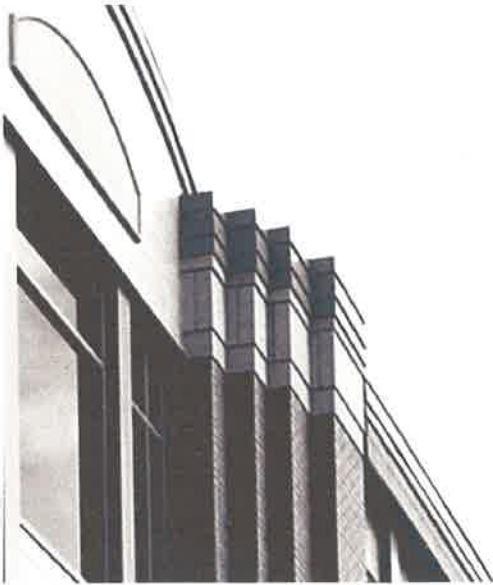
Owner Contact: Daniel Goodwin
Environmental Care Executive Director
Roane General Hospital
(304) 927-6335



Clingenpeel/McBrayer & Associates, Inc.

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

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



N Visions has designed and administered the construction of over 200 million dollars of projects in West Virginia since 1985.

N Visions has experience in a wide range of architectural projects including educational, institutional, healthcare, housing, public and private facilities for developers and non-profits, historic preservation, and residential properties.

Design is the heart of a successful project. It is important to provide the proper aesthetics, functional relationships, space planning, and to be a good neighbor in the community and meet the project budget. N Visions will make certain that your project is successful for both the owner and the community.

FACILITIES PLANNING AND PROGRAMMING

Determining the actual needs of the client and how to adapt them to the available environment is essential for a successful project. N Visions will assist in defining the needs and desires of the client/user prior to the design of the project.

SITE EVALUATION

N Visions Architects can provide studies of potential project sites for evaluation by the Owner. Geotechnical, utility, environmental, and property utilization will be evaluated, to allow the Owner to make a site selection decision.

EXISTING FACILITIES EVALUATION

Use of existing facilities requires an educated understanding of potential opportunities and risks that may be encountered. N Visions will assist the Owner in determining how to best enhance the use and reduce the risks to reach a solution.

CODE COMPLIANCE

The State Fire Marshal, School Building Authority, U.S. Army Corps of Engineers, State Historic Preservation Office, Health Department, and other agencies have specific requirements that must be addressed in all building projects. N Visions has worked with these agencies, and others, on numerous projects, and is familiar with their personnel and regulations. N Visions has a positive working relationship with these agencies, and in many cases involves them early in the design process, which translates into benefits to the Owner.



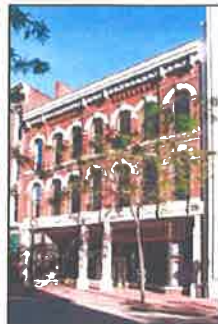
**AIA West Virginia 2008 Craftsmanship
Award for Excellence in Craftsmanship**
Sissonville Middle School



**AIA West Virginia 2008 Honor Award
For Excellence in Architecture**
Fairmont State University
Student Activities Center

AIA West Virginia 1993 Honor Award
Trans Allegheny Books, Charleston, WV

AIA West Virginia 1991 - Honorable Mention
McCabe-Henley Properties, Inc.
Charleston, WV



**Charleston Renaissance Corporation
Best Development**

Capitol City Building, Charleston, WV
Trans Allegheny Books, Charleston, WV
200 Hale Street, Charleston, WV
The Gates Building, Charleston, WV
210 Hale Street, Charleston, WV

**WV Home Building Association
Best Multi-Family Developer**

Governor's Court Apartments,
Charleston, WV
Woodbridge Condominiums,
Teays Valley, WV



**City of Charleston
Distinguished Design Development**
Summers Square, Charleston, WV

HUD – Project of the Year 2000
YWCA Transitional Housing
Charleston, WV



**Associate Builders and Contractors, Inc.
2005 Excellence in Construction**
YWCA Senior Housing
Charleston, WV

Chuck Wilson, Kanawha County Board of Education
3300 Pennsylvania Avenue, Charleston, WV 25302, 304-348-6148

Nitro High School Commons Addition/Renovations, Nitro, WV
East Bank Middle School Renovation, East Bank, WV
New Sissonville Middle School, Sissonville, WV
South Charleston Middle School Elevator, Windows, Toilet Renovation
Montrose Elementary HVAC and Window Replacement
Nitro High School HVAC and Toilets Renovation
Herbert Hoover High School Addition and Renovation
Elkview Middle School Addition and Renovation
South Charleston High School Addition and Renovation
George Washington High School Addition and Renovation
Auxiliary Gyms – Four County high schools
Piedmont Elementary Addition and Renovation

Brooks McCabe, McCabe • Henley
P. O. Box 11108, Charleston, WV 25339, 304-342-4415

Summers Square, Summers and Quarrier streets, Charleston, WV
Capitol City Building, Capitol and Quarrier streets, Charleston, WV
One Kenton Drive, Northgate Office Park, Charleston, WV
KB & T Building, Capitol Street, Charleston, WV
The Strand, Hale Street, Charleston, WV

Cindy Barnette, Senior Vice President, Thomas Health System, Inc.
4605 MacCorkle Avenue, SW, South Charleston, WV 2530
304-766-3710

Thomas Memorial Hospital
Saint Francis Hospital

Rick Atkinson, Central West Virginia Regional Airport Authority,
100 Airport Road, Suite 175, Charleston, WV, 304-344-8033

Yeager Airport Parking Facility
Yeager Airport, John D. Rockefeller IV Terminal
Passenger Access Control and ADA Accessibility



GEORGE M. SOLTIS, AIA, NCARB
Principal/ President

Academic Experience

Bachelor of Architecture with Distinction
University of Kentucky – 1977
Conservation USA – 2007

Registration

N. C. A. R. B. [REDACTED]
Active: West Virginia, Virginia, Kentucky,
Inactive: Tennessee

Professional Associations

AIA/WV West Virginia
AIA American Institute of Architects

Civic Organizations

Boy Scouts of America
Buckskin Council Executive Board
Troop 195 Committee Member

Boy Scouts of America, Order of the Arrow,
Central Region C4B,
Section Advisor

Health Appeals Board,
City of South Charleston

Responsibility

Principal-in-Charge, Administration/Design
Principal and Owner of N Visions

Project Experience

Educational

- Over 20 years Educational Experience

New Sissonville Middle School
East Bank Middle School
Herbert Hoover High School
Addition/Renovations
Sissonville Branch, Kanawha County Library
George Washington High School
Addition/Renovations
South Charleston High School
Additions/Renovations
Elkview Middle School Additions/Renovations
South Charleston Public Library
Addition/Renovation
Kanawha County Schools Football Fields
Bleachers and Renovations





Commercial

Ream Interests Office Building
Tri-State Racetrack & Gaming Center
Summers Square Office Building –
One Kenton Drive/Northgate Office Building
Capitol City Building/Renovation/Restoration

Health Care

- Over 25 years Health Care Experience

Thomas Memorial Hospital –
South Charleston, WV
St. Francis Hospital – Charleston, WV
IRC Rehabilitation Clinic – South Charleston, WV
Stickler Medical Office Building – Charleston, WV
St. Mary's Hospital – Huntington, WV
Montgomery General Hospital – Montgomery,
WV
St. Joseph's Hospital – Buckhannon, WV



Public/Government

New United States Postal Facilities—
Hurricane, WV
Martinsburg, WV
Bluefield, WV
Princeton, WV
Beckley, WV



Historic Architecture

Historic Architect,
Meeting NPS 36CFR61.9 WV

Restoration of West Virginia
Governor's Mansion Porch
Criel Mound Park Master Plan
Restoration/Renovation of
Criel Mound
Locomotive Shelter,
Chief Logan State Park
Gates Building, Charleston, WV
Renaissance Tower, Charleston, WV
USPS Point Pleasant, WV
USPS Bluefield, WV



ELISSA VECELLIO MOSBY
Interior Designer

Academic Experience
Bachelor of Fine Arts in Interior Design
Layton School of Art - 1970
Milwaukee, Wisconsin

Professional Associations

AIA Associate Member

Ms. Mosby has design experience with architectural firms covering a wide scope of projects, with a strong emphasis on education, government, and health care related facilities. As the lead interior designer and space planner she matches client requirements with creative and functional solutions, to develop pleasing interior environments, which incorporate the client's long-range planning and maintenance requirements. Ms. Mosby's experience includes the following:

Institutional

WV School of Osteopathic Medicine:
Admissions Building, Renovation of
Administrative and Academic Offices
Complex, Ronald Sharp Alumni Center –
Lewisburg, WV

Educational

New Sissonville Middle School
East Bank Middle School
Kanawha County Library Main Branch
Piedmont Elementary School
South Charleston Public Library
Sissonville Branch,
Kanawha County Library
George Washington High School
Addition/Renovations
South Charleston High School
Addition/Renovation
Greenbrier County Library – Lewisburg, WV
WV School of Osteopathic
Medicine Technology Building –
Lewisburg, WV





Commercial

A.G. Edwards Offices – Charleston, WV
Ream Interests Office Building –
Lewisburg, WV
Tri-State Gaming Center Addition – Nitro, WV
McCabe Henley Properties – Charleston, WV

Health Care

- Over 30 years Health Care Experience

Thomas Memorial Hospital; Office Pavilion, Out
Patient Clinic, Patient Tower –
South Charleston, WV
Robert C. Byrd Clinic – Lewisburg, WV
St. Francis Hospital – Charleston, WV

Public/Government

Robert C. Byrd Federal Courthouse –
Charleston, WV
Veterans Administration Medical Center –
Huntington, WV



**Sissonville Middle School
5950 Sissonville Road
Sissonville, West Virginia**

**New construction
consisting of classrooms,
gymnasium,
commons/cafeteria,
kitchen, media center,
administrative offices,
band/choir room, toilets,
and related site work**

**Size: 70,000 sf
Cost: \$ 17,000,000
Completion: 2007**

AIA Award 2008





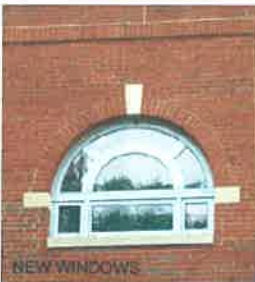


Herbert Hoover High School
275 Elk River Road South
Clendenin, WV

Additions and renovations, including choir room with connecting corridor and storage; dining/cafeteria addition with new service road, renovations to existing office area and commons area, and existing dining/cafeteria.

Size:
Dining/Choir Addition 3,209 sf
Renovation/Offices 1,343 sf
Construction Cost: \$ 850,000
Completion: 2005

SOUTH CHARLESTON MIDDLE SCHOOL

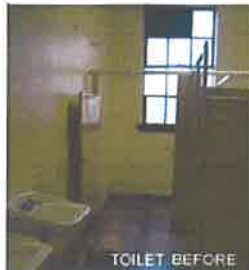


South Charleston Middle School
400 Third Street
South Charleston, West Virginia

Window replacement

Central HVAC study

Toilet replacement and upgrades
meeting ADA



Elevator installation interior renovations
Meeting ADA

Construction Cost: \$ 1,132,000
Completion: 2003 – 2005

NITRO HIGH SCHOOL TOILETS



AFTER



BEFORE

Nitro High School
Nitro, West Virginia

Complete demolition of all existing toilet facilities and renovation into ADA accessible toilet rooms

Demolition and patching of existing concrete slab, masonry walls and ceilings to install new plumbing, electrical and lighting; New ceramic tile floors and walls, toilet partitions, lighting fixtures, plumbing fixtures, doors, and hardware

| | |
|--------------------|------------|
| Construction Cost: | \$ 375,000 |
| Completion: | 2006 |

UPPER KANAWHA VALLEY TECHNOLOGY BUILDING



Upper Kanawha Valley
Technology Community Building
Montgomery, West Virginia

Basement build out for the
National Publishing Innovation
Center, ink research labs.

| | |
|-------------|-----------|
| Cost: | \$275,000 |
| Completion: | 2008 |



Dudley Public Safety Center
Dudley Drive
Charleston, West Virginia

New construction consisting
of two large vehicle bays, a
small ambulance bay, dorms,
showers, locker room,
kitchen, offices, and storage.

| | |
|-------------|------------|
| Size: | 6,600 ± sf |
| Cost: | \$ 961,000 |
| Completion: | 2000 |



Pikeview Station



3rd Avenue Station

**Two Fire Stations
City of Beckley
Beckley, West Virginia**

Cost: \$ 2,500,000

Completion: 1998

KB&T RENAISSANCE TOWER



KB&T Renaissance Tower
Charleston, WV

Historic Replacement Windows
Masonry Restoration

Existing eleven story landmark bank and office building restored and converted into Class A office space and condominiums. Restoration/renovation designed to make the tower completely ADA accessible.

Completion

1999-2009



West Virginia Governor's Mansion
Exterior Restoration
Terrace Reconstruction
Charleston, WV

Portico column bases were replaced, all wood finishes stripped, repaired, repainted. Tile terrace repaired and original terrace/porch limestone baluster designed and installed. Light fixtures restored.

Completion 2000



A G Edwards & Sons, Inc.
500 Lee Street East
Charleston, West Virginia 25301

Partial Fourth Floor renovation of
Laidley Tower, Charleston,
West Virginia to provide office space

| | |
|--------------------|------------|
| Size: | 6,639 sf |
| Construction Cost: | \$ 450,000 |
| Completion: | 2007 |



Ream Office Building
Lewisburg, West Virginia

Two-story, 5,000 sf office building and associated site development with 20 parking spaces, and formal entrance design for office and adjacent residential development.

Size: 5,000 sf
Construction Cost: \$ 1,036,000
Completion: 2005



Student Recreation Center
Fairmont State University
Fairmont, WV

Two gyms, swimming pool, indoor running track, kitchen and dining, conference center, and miscellaneous student services

Construction Cost: \$ 20,000,000
Size: 113,000 sf
Completion: 2005

Designed in collaboration with
VOA Chicago, Illinois

Background



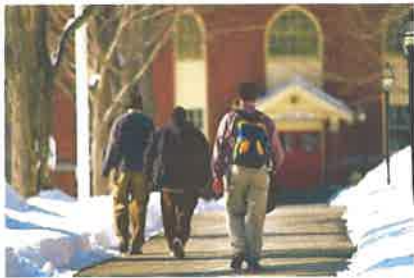
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early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

During his more than 25 years of experience, Mr. Richardson has had sole responsibility for the structural engineering design of more than 6 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.



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.



Resume



Douglas R. Richardson, PE, LEED AP
Principal 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, VA and KY

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

LEED Accredited Professional

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

Engineers Without Borders-USA



Sample Project



Camp Dawson Gymnasium

This building serves as the primary physical training and event space for the West Virginia Army National Guard at Camp Dawson in Kingwood, WV. The facility was designed to LEED Silver standards. The structural systems utilized include sloped concrete retaining walls, architectural steel frames, and long span joists. The signature feature of the facility is the 65 foot wide brick arch at the front entrance, which contributed to the design being award the WV AIA 2014 Honor Award and a Brick Industry Association 2013 Gold Award. The facility opened in 2013.

Sample Project



WVU Parkersburg Applied Technology Center

This new workforce training facility for WVU Parkersburg is a pivotal part of a long term state-wide plan to bring businesses and development to West Virginia. The Applied Technology Center (ATC) replaces the outdated technology wing with modern industrial labs, classrooms, faculty offices and support spaces for hands-on instruction in multiple kinds of welding, machining, industrial maintenance and multi-craft technology. The building occupies a prominent site on the campus, and coordinates with adjacent buildings in scale, form and materials, as part of a long term plan to develop a true campus setting.

The building has technical and environmental features to support its wide variety of programs, each of which is in a continual state of development. Accordingly, the construction, spatial organization, and building infrastructure are designed to support changing uses and provide flexibility into the future.