



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
GSD096435

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**KRISTA FERRELL
 304-558-2596**

VENDOR PROPERTY

RFQ COPY
 TYPE NAME/ADDRESS HERE

CMA Engineering
 824 Cross Lanes Drive
 Charleston, WV 25313

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BLDG. 9 - CULTURE & HISTORY
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305 304-558-2317

DATE PRINTED 01/14/2009	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
BID OPENING DATE: 02/19/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
A&E SERVICES: DESIGN OF BLDG#9 CHILLER LOOP CHANGES					<div style="text-align: center;"> <p>RECEIVED</p> <p>2009 FEB 18 AM 9:07</p> <p>WV PURCHASING DIVISION</p> </div>	
EXPRESSION OF INTEREST (EOI)						
<p>THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF GENERAL SERVICES, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR THE CHILLED WATER SYSTEM IN BUILDING 9 LOCATED ON THE WEST VIRGINIA STATE CAPITOL COMPLEX IN CHARLESTON, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS.</p>						
<p>TECHNICAL QUESTIONS CONCERNING THIS PROJECT MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 01/29/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.</p>						
<p>QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMIT AN EXPRESSION OF INTEREST TO THE STATE OF WEST VIRGINIA ARE NOT CONSIDERED TO BE TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE EOI OPENING DATE AND IN ANY FOMAT.</p>						
<p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Daniel Lee Egan</i>	TELEPHONE (304) 343-0316	DATE 2/19/09
TITLE Principal	FEIN 55-0659239	ADDRESS CHANGES TO BE NOTED ABOVE

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



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 304-558-2596**

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CMA Engineering
 824 Cross Lanes Drive
 Charleston, WV 25313

**DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BLDG. 9 - CULTURE & HISTORY
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305 304-558-2317**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
01/14/2009				

BID OPENING DATE: **02/19/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER.</p> <p>NOTICE</p> <p>A SIGNED EOI MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED:</p> <p>SEALED EOI</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>EOI. NO.: GSD096435</p> <p>EOI OPENING DATE: FEBRUARY 19, 2009</p> <p>EOI OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI: (304) 843-5146</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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3

ADDRESS CORRESPONDENCE TO ATTENTION OF
**KRISTA FERRELL
 304-558-2596**

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 TYPE NAME/ADDRESS HERE**

VENDOR

CMA Engineering
 824 Cross Lanes Drive
 Charleston, WV 25313

BUYER

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BLDG. 9 - CULTURE & HISTORY
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
01/14/2009				
BID OPENING DATE: 02/19/2009		BID OPENING TIME 01:30PM		

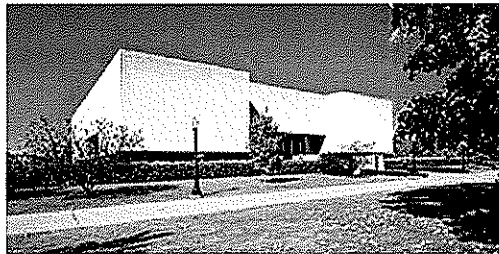
LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
CONTACT PERSON (PLEASE PRINT CLEARLY): Dan L. Ellars, P.E.						
***** THIS IS THE END OF RFQ GSD096435 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

Expression of Interest
to Provide
Professional Engineering Services
for
Design of Building #9
Chiller Loop Renovations
RFQ# GSD096435



February 19,2009



Clingenpeel/McBrayer & Associates, Inc.

Mr. Timothy L. Cox, P.E.
824 Cross Lanes Drive (304) 343-0316 tel
Charleston, West Virginia 25313 (304) 343-5146 fax

5 Riddle Court (304) 598-2558 tel
Morgantown, WV 26505 (304) 598-2472
www.cma.wv.com

February 19, 2009

Ms. Krista Ferrell, Senior Buyer
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Re: Expression of Interest – B9 Chilled Water Renovations
RFQ #GSD096435

Dear Ms. Ferrell:

CMA Engineering is pleased to submit, for your consideration, our qualifications and experience in providing engineering services for the proposed renovations to the chiller system at Building #9 at the State Capitol Complex per your advertised RFQ.

CMA Engineering understands that this project will consist of demolition of existing chilled water piping and design of a new chilled water system to serve Building #9. CMA has previously completed similar projects, as addressed in our proposal, at the Biomedical Research Facility at West Virginia University in Morgantown, the Robert C. Byrd Health Sciences Center in Charleston and Mylan Pharmaceuticals in Morgantown. Our professional designers are educated in the latest technological, governmental and industrial standards and have provided engineering design services for numerous projects to the State of West Virginia. Projects include the new construction of the Consolidated DEP Office Building, Tamarack and its Caperton Conference Center and HVAC renovations to Building #22 and the Building #1.

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



Daniel L. Ellars, P.E.
Principal

enclosures

1

Statement of Qualifications

2

Firm Profile

3

Resumes

4

Project Experience

5

Purchasing Affidavit

Statement of Qualifications

4.2.2 Firm/Team Qualifications:

Contact: Daniel L. Ellars, P.E.
CMA Engineering
824 Cross Lanes Drive
Charleston, WV 25313
(304) 343-0316
dellars@cmawv.com

Project Team:

Daniel L. Ellars, P.E., Project Manager/Electrical Engineer
Timothy L. Cox, P.E., Mechanical Engineer, Lead Designer
Larry A. Weese, Chief Plumbing Technician
James A. Kerns, Mechanical/Electrical Designer
Jeremy R. Perry, E.I., Mechanical Designer
Aaron S. Ward, Electrical Designer

Resumes of the project team are included in this submittal.

Sub-Consultants:

If Architectural or Structural Engineering services are needed, CMA Engineering will obtain the professional services of N Visions Architects and Ham Engineering.

Statement of Firm's Ability:

CMA Engineering has a work force of fourteen dedicated individuals-eight professional designers, three CAD technicians and three support staff. It is CMA's policy to commit senior design professionals to each project to assure that the project is completed in a timely and budget-conscious manner and in accordance with industry's standards.

CMA Engineering, N Visions Architects and Ham Engineering have previously worked together to successfully complete such projects as the new Sissonville Middle School, the Mardis Gras Addition to the Tri-State Gaming Center and the classroom additions and HVAC renovations at George Washington High School. We are currently providing engineering and architectural services to the State of West Virginia for the HVAC renovations to the House and Senate Chambers in Building #1.

Statement of Firm's Compliance with Government Regulations:

The professional staff of CMA are kept informed of the latest Governmental Regulations and Industry Standards through its affiliation with such organizations as The International Code Council, The National Fire Protection Association, The American Society of Heating, Refrigeration and Air Conditioning Engineers, The U.S. Green Building Council and Leadership in Energy & Environmental Design.

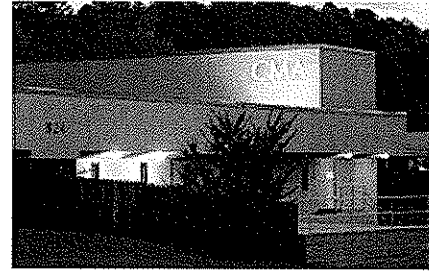
Statement of Litigation:

CMA Engineering is not involved in any litigation or arbitration proceedings.

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.

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(304) 343-5146 fax

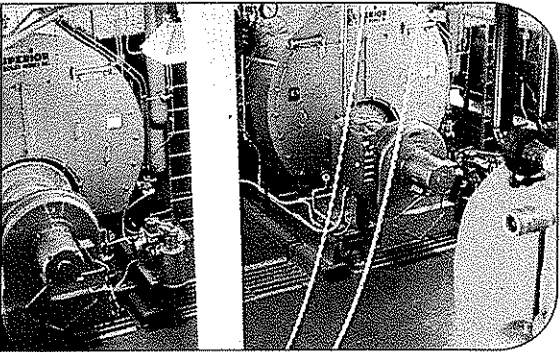
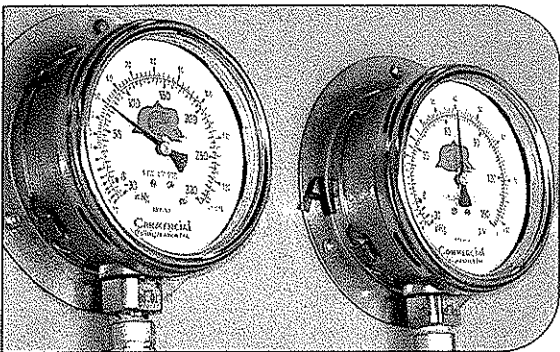
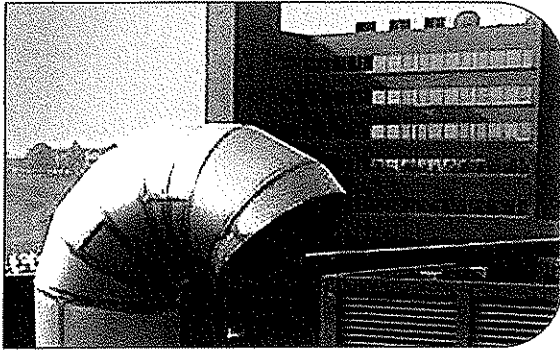
5 Riddle Court
Morgantown, WV 26505
(304) 598-2558 tel
(304) 598-2472 fax

w w w . c m a w v . c o m

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



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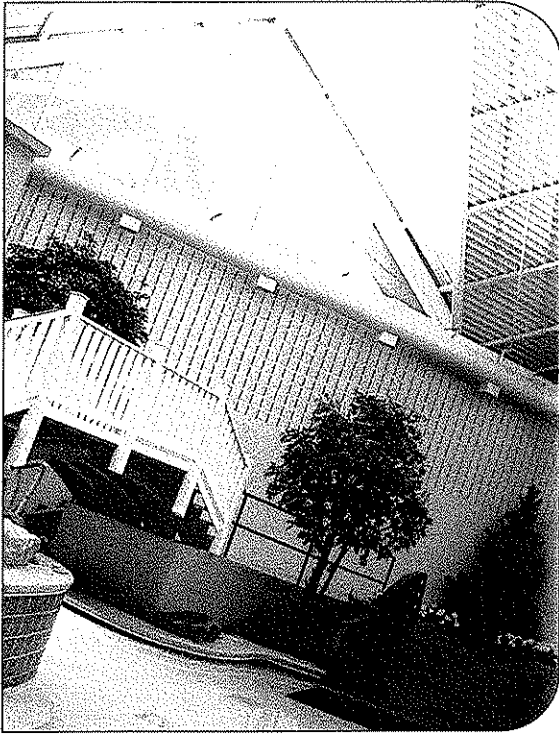
5 Riddle Court
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www.cma.wv.com

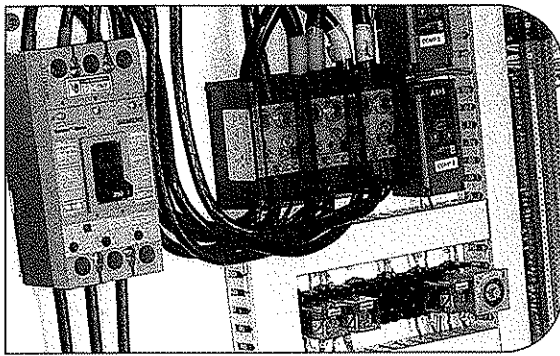
E L E C T R I C A L

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

CMA
ENGINEERING

Clingenpeel/McBrayer & Associates, Inc.

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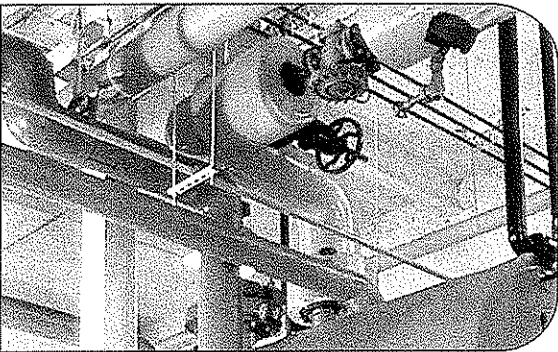
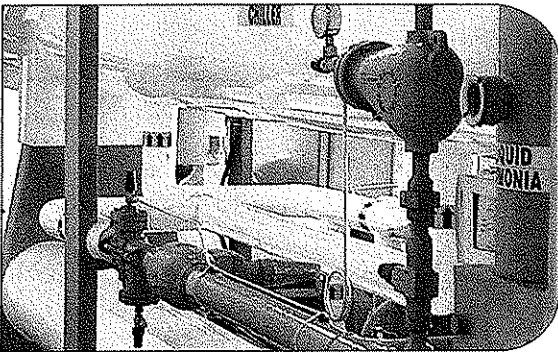
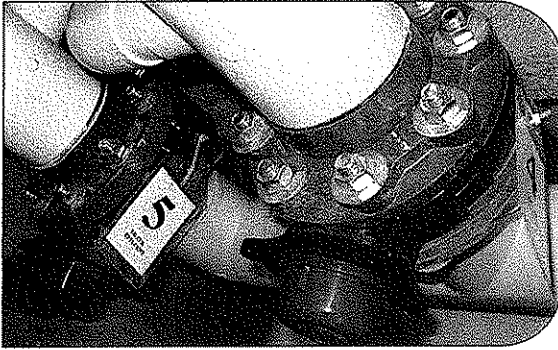
5 Riddle Court
Morgantown, West Virginia 26505
(304) 598-2558 tel
(304) 598-2472 fax

www.cma.wv.com

PLUMBING & PIPING

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



(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

CMA
ENGINEERING

Clingenpeel/McBrayer & Associates, Inc.

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(304) 343-5146 fax

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www.cma.wv.com

References

Mylan Pharmaceuticals
P.O. Box 4310
Morgantown, WV 26504
Contact: J. J. Dotson
(304) 599-2595

West Virginia University
Health Sciences Center
P.O. Box 9004
Morgantown, WV 26506
Contact: Leonard Lewis
(304) 293-1743

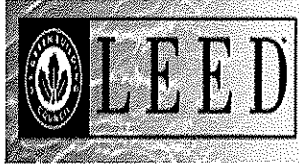
Robert C. Byrd Health Sciences Center
3110 MacCorkle Avenue SE
Charleston, WV 25304
Contact: Gary Phillips
(304) 347-1303

West Virginia University
P.O. Box 0677
Morgantown, WV 26506
Contact: Russell Sharp
(304) 293-2101

WV Department of Environmental Protection
601 57th Street
Charleston, WV 25304
Contact: B.F. (Cap) Smith
(304) 926-0480

Kanawha County Schools
3300 Pennsylvania Avenue
Charleston, WV 25312
Contact: Charles Wilson
(304) 348-6148

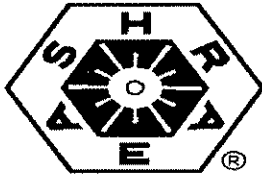
Professional Affiliations



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)



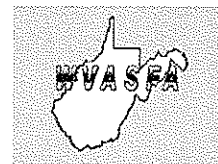
MasterSpec
Specifications
(ARCOM)



Illuminating
Engineering Society
The
LIGHTING
AUTHORITY (IES)



WV Society of
Healthcare Engineers
(WVSHE)



Business Partner



International Code Council (ICC)



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, VA, 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.

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

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

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P R O F I L E

Daniel Lee Ellars, P.E.
LEED AP

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 Hospital
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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P R O F I L E

James A. Kerns Mechanical/Electrical Designer

(304) 343-0316
jakerns@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

Medical Facilities Experience

Thomas Memorial Hospital, South Charleston, WV

MRI Facility, Ashton Place-New Facility
MRI Facility Additions, Ashton Place
Oncology Facility, Teays Valley, New Facility
Medical Office Building South-New Facility
Rashid Office Building-New Facility
Main Lobby Renovation
Emergency Room Renovations
Nursery Department Renovations
Intensive Care Unit Renovations

VA Medical Center, Clarksburg, WV

Elevator Installation

United Hospital, Clarksburg, WV

Elevator Renovation
Medical Office Building-Variou MEP Renovations
and Tennant Fit-Out

Charleston Area Medical Center

Roadway Lighting-Memorial Division



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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

Villetteville Elementary School, Maryland
Mechanical design for the addition of 24 new classrooms



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(304) 598-2472

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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

CMA

ENGINEERING

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

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-Various industrial automation projects using PLCs.



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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



Project Name Mylan Pharmaceuticals New Chiller Plant

Project Location: Morgantown, WV

Project Description: Project was to provide new 4,000 ton chiller plant with complete controls to service 425,000sf plant expansion consisting of production facilities and storage warehouse.

Construction Cost and Type of Service:

Cost information provided through Mylan Pharmaceuticals

CMA Engineering provided mechanical, electrical and piping design of New chiller plant.

Project Size and Square Footage: New 5-story, 425,000sf production and storage warehouse with 500 car garage

Owner Representative: Jim Fulmer-(304) 599-2595

Mylan Project Manager: J. J. Dotson (304) 599-2595

Contract Information: CMA Engineering acted as sub-consultant for Omni Associates-Architects. CMA Engineering also provided mechanical, electrical, plumbing, fire protection and communications design for plant expansion.

Project Profiles



Project Name **WVU HSC-Biomedical Research Facility**

Project Location: **Morgantown , WV**

Project Description: **To review existing site conditions for the addition of the new Biomedical Research Facility and to provide design documents for the upgrades/renovations of current site utilities to feed new facility.**

Construction Cost and Type of Service:

Cost information provided through West Virginia University

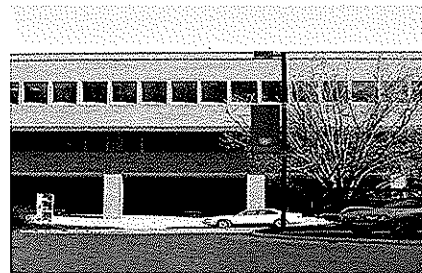
CMA Engineering provided mechanical, electrical and plumbing design services for new 1000 ton chiller and cooling tower with associated piping, replacement of transformers/electrical gear in substation, extension of existing electrical duct banks to connect to substation, addition of duct banks, manholes and conductors to connect to new facility, and new telephone/communications bus duct assembly to connect to new facility.

Project Size and Square Footage: **120,000sf of laboratory and support spaces**

Owner Representative: **Leonard Lewis-(304) 293-1743**

Contract Information: **CMA Engineering acted as Prime Consultant under WVU Open-End Contract #U06RCAEME3.**

Project Profiles



Project Name **WVU-Robert C. Byrd Health Sciences Center**

Project Location: **Charleston, WV**

Project Description: **Project was to provide mechanical engineering services for corrections to the chilled water system and central variable air volume air handling unit.**

Construction Cost and Type of Service:

Engineers Original Estimate: \$297,700.00

Low Bid from Contractor: \$198,500.00

CMA Engineering provided design for revising chilled water piping, to include new pumps, valves, insulation, controls, air handler coils and related electrical renovations.

Project Size and Square Footage: **Approximately 113,200 square foot facility**

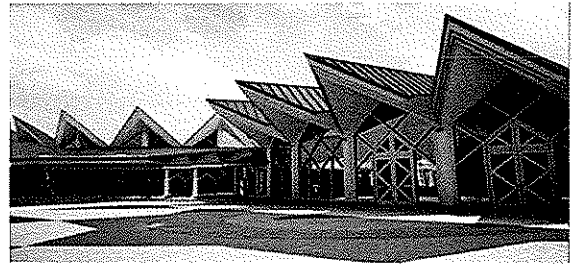
WVU Project Manager: **Gary Phillips-(304) 347-1303**

Contract Information: **CMA Engineering acted as Prime Consultant under WVU Open End Contract #U00AE03.**

The first phase of project included separation of the two pipe system into a four pipe, hot water/ chilled water system including new pumps, pipes, controls and modifications to the existing motor control center.

Phase II of the project is to include the replacement of the motors and providing VFD's for the main air handlers, replacement of VAV boxes, addition of hot water reheat coils in VAV boxes, replacement of light fixture air diffusers with louver face diffusers, and controls for the new equipment.

Project Profiles



Project Name; Tamarack

Project Location: Beckley, WV

Project Description: Replacement of water cooled chillers

Construction Cost and Type of Service:

Engineers Original Estimate: \$450,000.00

Actual Construction Cost: \$416,875.00

CMA Engineering provided design for the replacement of two water cooled chillers with two air cooled chillers, replacement of the administrative air handler and upgrade of the exhaust system.

Owner Representative: Greg DeBarr (304) 926-1900

Project Manager: Bruce Pack (304) 256-6843

Contract Information: CMA Engineering acted as Prime on this project. CMA also provided mechanical, electrical and plumbing design services for the original construction of the Tamarack Facility and for the addition of the Caperton Conference Center.

Project Profiles



Project Name Milan Puskar Center HVAC Renovations-Phase I and Phase II

Project Location: WVU-Morgantown

Project Description: Phase I was to provide renovations of existing HVAC systems serving locker rooms, showers and meeting rooms which did not have adequate ventilation or temperature control. Phase II was to provide renovations of existing HVAC systems serving addition spaces, lower weight training room and provide new playing field ADA restrooms.

Construction Cost and Type of Service:

	Phase I	Phase II
Original Project Budget:	\$800,000.00	\$1,500,000.00
Engineers Original Estimate:	\$470,000.00	\$1,536,000.00
Low Bid from Contractor:	\$494,000.00	\$1,160,000.00
Owner initiated change orders:	\$310,000.00	\$ 300,000.00
Total project cost:	\$804,000.00	\$1,460,000.00

In Phase I, CMA Engineering provided design of new HVAC, plumbing, electrical, fire protection systems to suit required code modifications as well as design of shell for future lap swimming pool equipment. 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. Design also changed out all existing electrical heating coils and provided new boiler and heating water loop, as well as, air conditioning system for weight training spaces.

Project Size and Square Footage: Phase I-Approximately 21,000 square foot for mechanical renovations and 1,500 square foot addition for shell space and mechanical equipment.

Phase II-Approximately 22,000 square feet mechanical renovations to existing facility, approximately 5,000 square feet addition space and limited mechanical renovations.

Owner Representative: Russ Sharp-(304) 2932101

WVU Project Manager: Paul Whiteman, Staff Engineer-(304) 293-8143

Contract Information: CMA Engineering acted as Prime Consultant under WVU Open End Contract #U00AE03 bringing in Structural Engineering services through Allegheny Design Services for Phase I and Ham Engineering for Phase II.

Project Profiles



Project Name: WVU CEMR Nano-Microsystem Facility

Project Location: Morgantown, WV

Project Description: Project was to provide three distinct clean room spaces for WVU Engineering Department (Class 100, Class 1,000, Class 10,000) for conducting experiments on new technology.

Construction Cost and Type of Services:

Original Project Budget: \$2,500,000.00
Engineers Original Estimate: \$2,300,000.00
Low Bid from Contractor: \$2,440,000.00
Owner initiated change orders: \$54,000.00

Total project cost: \$2,494,000.00

CMA Engineering provided design of new HVAC, Plumbing, Electrical, Fire Protection systems within renovated areas of existing Engineering Sciences Building. CMA acted as the prime consultant on this project bringing in Architectural and Structural Engineering services with Alpha Associates, Inc.

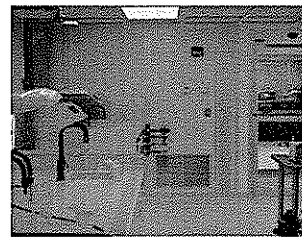
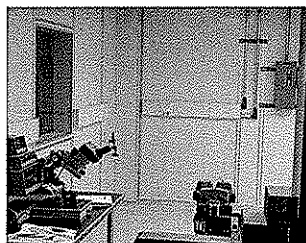
Project Size and Square Footage:

Approximately 4,500 square feet of interior renovations and approximately 2,000 square feet of new mechanical roof top mechanical penthouse space.

Owner Representative: Kolin Brown-(304) 293-0405 extension 2533

WVU Project Manager: John Sommers, Senior Project Manager-(304)293-2856

Contract Information: CMA acted as Prime Consultant under WVU Open Contract #U00AE03 bringing in Architectural and Structural Engineering services with Alpha Associates.



This is the first clean room design for WVU to provide new engineering and experimentation services. Project was completed on schedule and within budget.

Project Profiles

Boiler Replacement

Davis Memorial Hospital

CMA Engineering provided mechanical engineering services for the replacement of the two original steam boilers, heat exchangers, piping, insulation, controls and associated electrical renovations to feed new equipment and to meet current code.



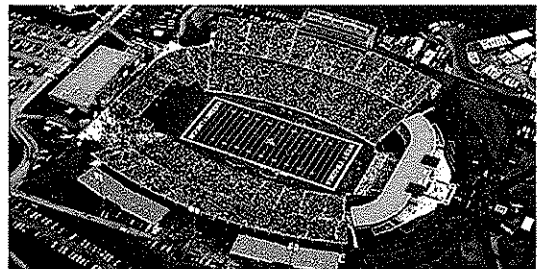
Sabraton School Boiler Replacement

CMA Engineering provided engineering services for the demolition and replacement of an existing boiler and associated components including modifications of the boiler combustion air assembly, make-up water piping and associated electrical panel/wiring to feed this new equipment and to meet current code requirements.



WVU Stadium Boiler Replacement

CMA Engineering provided engineering services for the replacement of two existing boilers serving vending area, including boiler combustion air assemblies, make-up water piping, service piping modifications and associated electrical and gas utility modifications to suit new installation.



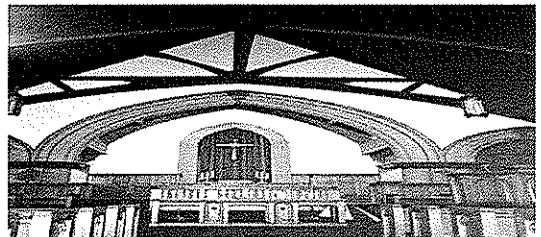
University of Charleston-Riggleman Hall

CMA Engineering provided mechanical, electrical and plumbing design services for the replacement of the boiler system and upgrades to the electrical and plumbing



Davis Memorial Presbyterian Church, Elkins, WV

CMA provided mechanical and electrical design services for the replacement of the boiler system at this historical 110 year old church.



Project Profiles

HVAC Renovations

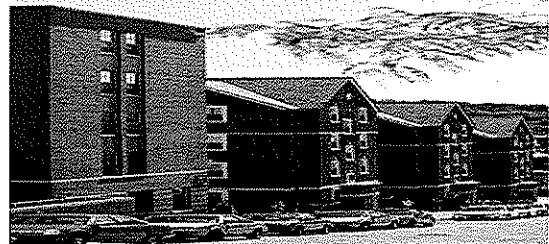
State of West Virginia House and Senate Offices

CMA is currently providing mechanical, and electrical design services for renovations to the first and second floors' HVAC systems at Building #1 at the State Capitol Complex.



Boreman Hall, West Virginia University

CMA provided mechanical and electrical engineering services for the upgrade of the HVAC system. In 1996, we provided design services for the upgrade to the plumbing system.



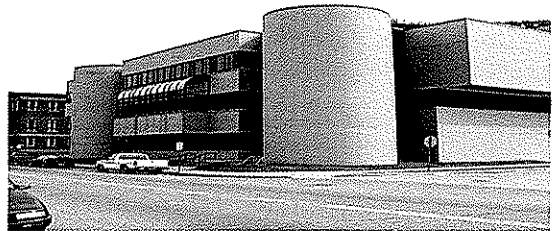
Coliseum, West Virginia University

CMA provided mechanical and electrical design services for renovations to the HVAC system serving the court level and the construction of two new club level spaces, renovations to the restrooms, concession area and walkway.



Orndorff Hall, WVU Institute of Technology

CMA provided mechanical, electrical and plumbing engineering services for the upgrade of the HVAC system at Orndorff Hall in Montgomery, WV.



Legal Numbers, LLC

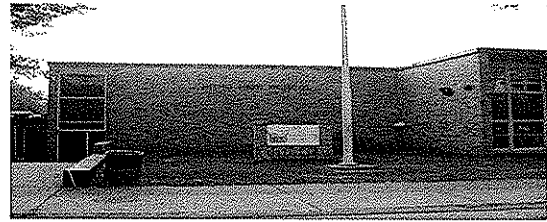
CMA provided mechanical and electrical design services for upgrades to the HVAC and electrical systems of the 32,000sf IBM building in Charleston, WV.



Project Profiles

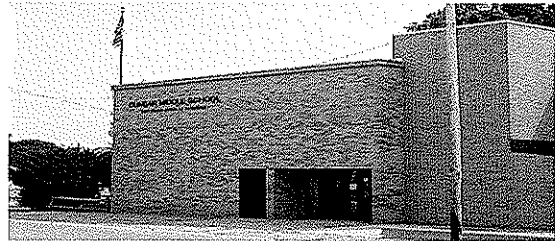
Nitro High School, Kanawha County

CMA Engineering provided mechanical, electrical and plumbing design services for upgrades to the HVAC system.



Dunbar Middle School

CMA Engineering provided mechanical and electrical design services for the upgrades to the HVAC system and plumbing design services for toilet renovations.



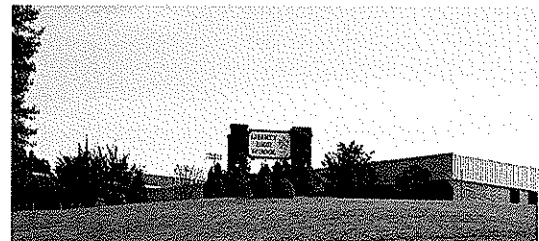
George Washington High School

CMA provided MEP and fire protection design services for the additions of the commons area, new classrooms and auxiliary gymnasium. CMA also provided engineering services for the upgrades to the HVAC system.



Liberty High School, Raleigh County

CMA provided mechanical, electrical and plumbing design services for the renovation of the HVAC system at the Raleigh County school.



Independence High School, Raleigh County

CMA provided mechanical, electrical, plumbing, fire alarm, data and telephone design services for the addition of six new classrooms, art studio and toilets. CMA recently



Project Profiles

Sissonville Middle School, Kanawha County

CMA Engineering provided mechanical, electrical, plumbing, sprinkler, and data/communication/alarm/control engineering design services for the new, approximately 80,000sf facility, consisting of administrative areas, commons, auditorium, media/technology, sixth, seventh and eighth grade educational areas, laboratories, special education, food services and physical education areas.

WV Department of Environmental Protection

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for new consolidated DEP office in Charleston, WV. Building is a three-story facility of approximately 180,000sf with a 650 car parking area. **This facility is registered as a LEEDS construction project.**

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 500,000sf addition to the plant facility.

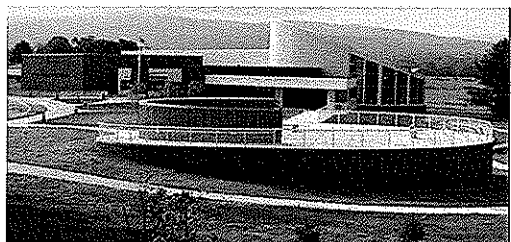
WVANG Eleanor Maintenance Center

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.

NRAO Greenbank Observatory Visitor's Center

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

New Construction



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: CMA Engineering
Authorized Signature: Daniel L. Ellison Date: 2/19/09