



A · R · C · H · I · T · E · C · T · S

February 3, 2012

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

***Re: RFQ#DEFK12012, Expression of Interest for a Mail Processing Center and
ID Card Issue Facility, Camp Dawson, Kingwood, WV***

Dear Members of the Board:

N Visions Architects is pleased to submit our qualifications for your review. We are confident that the history and experience of N Visions, along with that of our consultants, CMA Engineering (MEP) and Ham Engineering (Structural), will provide the West Virginia Army National Guard with the design services they require.

Our firm has an extensive background in new construction and renovation work for both large and small projects. Specific experience includes the quality design, planning, and construction administration. Project descriptions shown reflect a small part of our extensive architectural portfolio.

We are comfortable and capable of meeting unique and specific requirements of our clients. Similar clients with detailed program requirements are the USPS, IRS, and the Social Security Administration. All our projects meet the specific goals, schedules, and budgets of our clients.

We look forward to presenting in person our project experience and qualifications. We are ready and eager to discuss any specific needs and design issues you may have.

Sincerely,

N Visions, Inc.

A handwritten signature in blue ink, appearing to read 'G. M. Soltis'.

George M. Soltis, AIA
Architect

GMS:bc

RECEIVED

2012 FEB -6 A 9: 50

PURCHASING DIVISION
STATE OF WV

 VISIONS

A · R · C · H · I · T · E · C · T · S

**Expression of Interest
to provide
Professional Architectural Services
to the
Division of
Engineering & Facilities
West Virginia Army
National Guard**

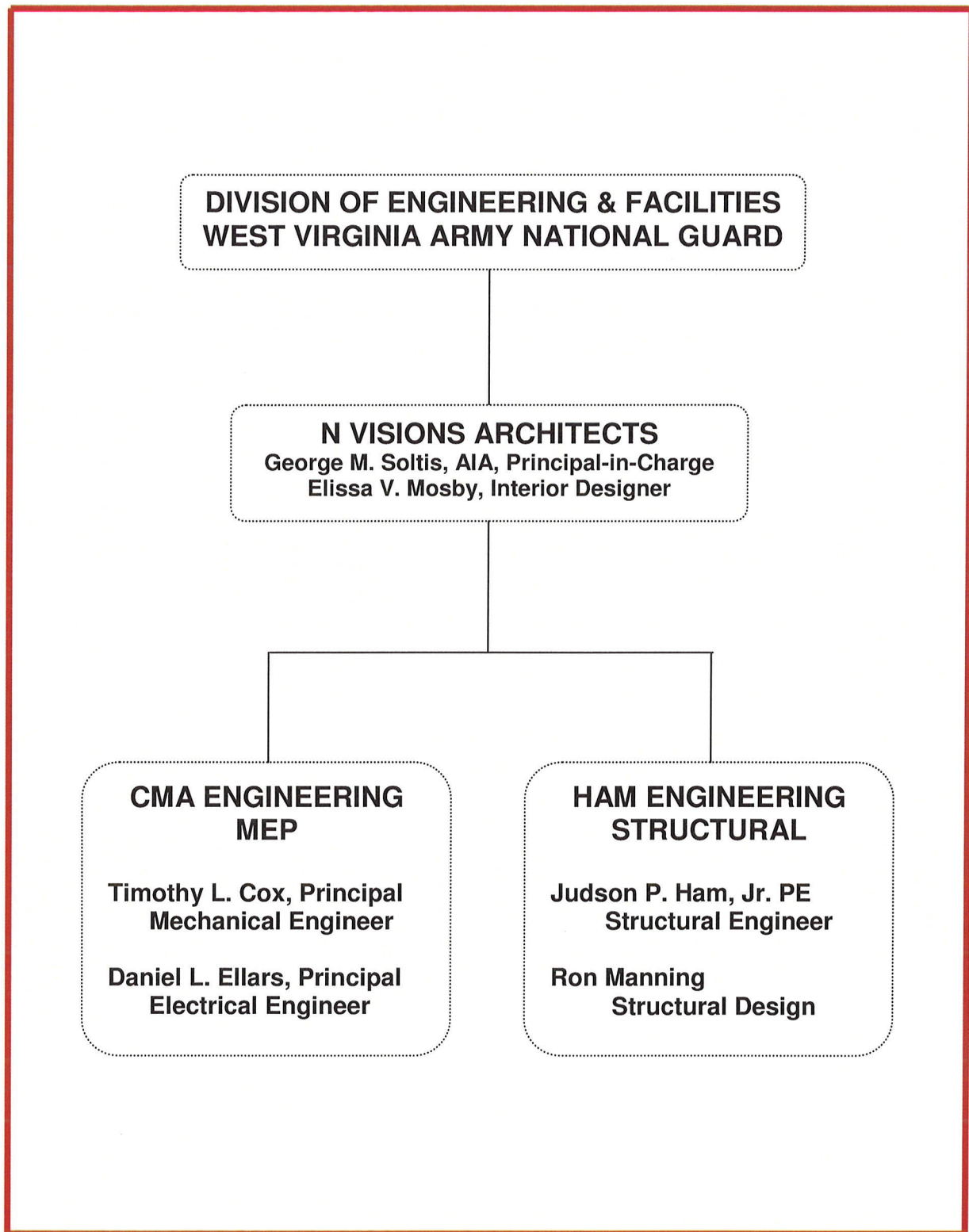
for a

**Mail Processing Center/
ID Card Issue Facility
Camp Dawson
Kingwood, WV**

**DEFK12012
February 07, 2012**



PROJECT TEAM





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. No. 55,660
Active: West Virginia, Ohio, Virginia,
Kentucky, Tennessee

Professional Associations

AIA/WV West Virginia
AIA American Institute of Architects

Civic Organizations

Boy Scouts of America,
Committee Member,
South Charleston
Boy Scouts of America, Order of the Arrow,
Central Region C4B,
Associate Advisor
Health Appeals Board,
City of South Charleston

Responsibility

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

Project Experience

Educational

New Sissonville 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

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
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



PROJECT TEAM



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

P R O F I L E

Timothy Cox, P.E.,
NCEES.

President

Mechanical Engineer

(304) 598-2558

tc Cox@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, MD, KY

CPD (Certified in Plumbing Engineering)

Member of ASHRAE

American Society of Plumbing Engineers

National Association of Fire Protection Engineers

WV Society of Healthcare Engineers

EXPERIENCE

Mr. Timothy Cox, President and Senior Mechanical Engineer of CMA Engineering brings 26 years of mechanical design experience to our clients. Mr. Cox has been project manager and project engineer for a variety of

PROJECTS

West Virginia University-Open End Contract since 1999

Mountain Lair Plaza Renovations
Boreman HVAC/Plumbing/Fire Sprinkler Upgrades
Soccer Stadium
Coliseum Life/Safety Renovations
Coliseum Locker Room Suites
Engineering Science Building Addition/Renovations
Arnold Hall Fire Alarm/ Fire Sprinkler Upgrades
Wrestling Training Facility

WVU Health Sciences Center

Electrical and Mechanical Utility Extensions for
BioMedical Research Facility

West Virginia University Hospitals

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

Mylan Pharmaceuticals, Morgantown, WV

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



Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive

Charleston, West Virginia 25313

(304) 343-0316 tel

(304) 343-5146 fax

5 Riddle Court

Morgantown, West Virginia

(304) 598-2558 tel

(304) 598-2472

P R O F I L E

Daniel Lee Ellars, P.E.
LEED AP
NCEES
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 21 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

Military Experience

West Virginia Army National Guard
Elkins Readiness Center-Electrical systems design for new facility
Eleanor (WV) Maintenance Center—Electrical systems design for new facility
Moorefield Readiness Center-Electrical systems for new facility
Gassaway Armory-Electrical design for renovations
St. Albans Armory-Electrical design for renovations to existing facility and new addition

Hospital Experience

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

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

jkerns@cmawv.com

EDUCATION

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

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Member of ASHRAE

EXPERIENCE

Mr. James A. Kerns has over 33 years experience in Mechanical and Electrical engineering design. He has been responsible for design projects in the educational, commercial, and health care fields.

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

PROJECTS

Kanawha County Schools

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

Concord College

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

U.S. Postal Service

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

Yeager Airport

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



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P R O F I L E

Matt Corathers, E.I. Mechanical Designer

(304) 598-2558

mcorathers@cmaav.com

EDUCATION

West Virginia University
Bachelor of Science -Mechanical Engineering

PROFESSIONAL DEVELOPMENT

Successfully passed Fundamentals of Engineering Exam

EXPERIENCE

Mr. Corathers joined our professional staff in 2008, 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

Veterans Hospital, Clarksburg, WV

Mechanical design for renovations to Dental Lab

Monongalia General Hospital

Evaluation of kitchen gas systems
Mechanical design for renovations to IT workroom cooling



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(304) 598-2472

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

Emergency Response Facilities

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

Military Facilities

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

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

PROFESSIONAL DEVELOPMENT

Various seminars and technical sessions

EXPERIENCE

Mr. Larry Weese, Mechanical Designer for Clingenpeel/McBrayer & Associates, Inc. brings 20 years of mechanical design and project management experience to our clients.



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Ham Engineering

Structural Engineering
South Charleston, WV

Judson C. Ham, Jr., PE

President/Principal Engineer

Education

West Virginia Institute of Technology
Bachelor of Science in Civil Engineering - May 1974

West Virginia College of Graduate Studies
Master of Science in Engineering - December 1978

Registered Professional Engineer

West Virginia
Ohio
Pennsylvania
Tennessee
Georgia
North Carolina
Virginia

Professional Associations

American Society of Civil Engineers
American Concrete Institute
The Masonry Society
Structural Engineering Institute

Professional Experience

Mr. Ham has over thirty years experience in the practice of structural engineering and is currently the President and Principal Engineer of Ham Engineering, an engineering firm specializing in providing consulting structural engineering, design, drafting, inspection and evaluation of commercial, industrial, and residential projects for architects, contractors, and corporations in the West Virginia region. Previously, as Civil/Structural Department Manager, he was responsible for all civil and structural engineering, design, and drafting done by a major international engineering firm servicing the West Virginia, Ohio, and Kentucky region. Also, he has extensive experience with plant engineering for major manufacturers and local structural steel fabrication companies.

Ham Engineering

Structural Engineering
South Charleston, WV

Ronald L. Manning

Senior Structural Designer

Education

One year college, Kansas City, MO - Machine Drafting and Tool Design

John Brown Quality Training Program

AutoCad R-11 through R-13 John Brown Training

Professional Experience

Mr. Manning has over thirty years experience with industrial, chemical, commercial and residential projects. His responsibilities include design, drafting both manually and using AutoCad, shop fabrication detailing, fieldwork and full support for construction and steel erection.

SISSONVILLE MIDDLE SCHOOL



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

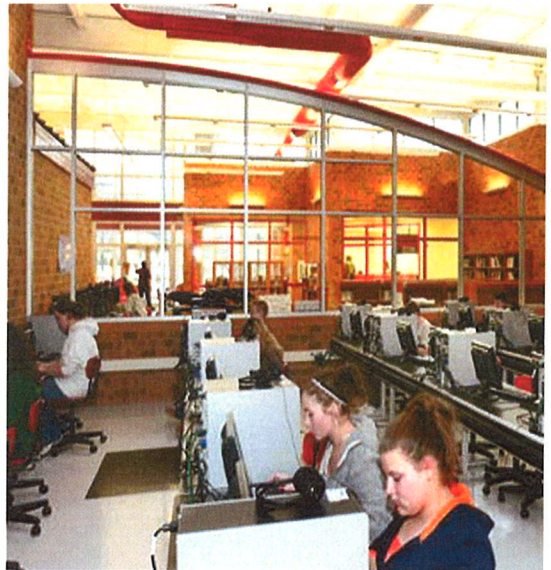
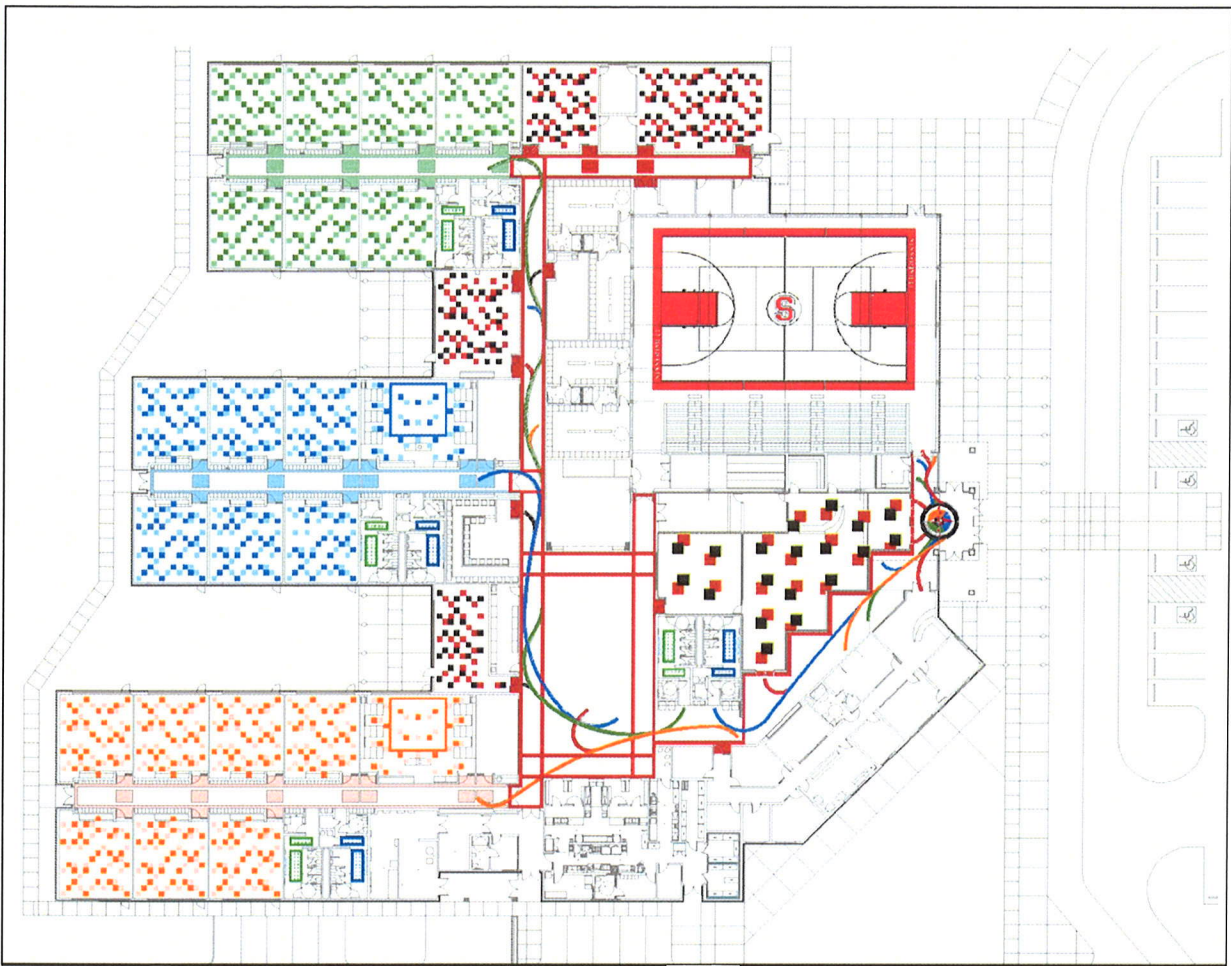
**New construction
consisting of classrooms,
gymnasium,
commons/cafeteria,
kitchen, media center,
administrative offices,
band/choir room, toilets,
and related site work**

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

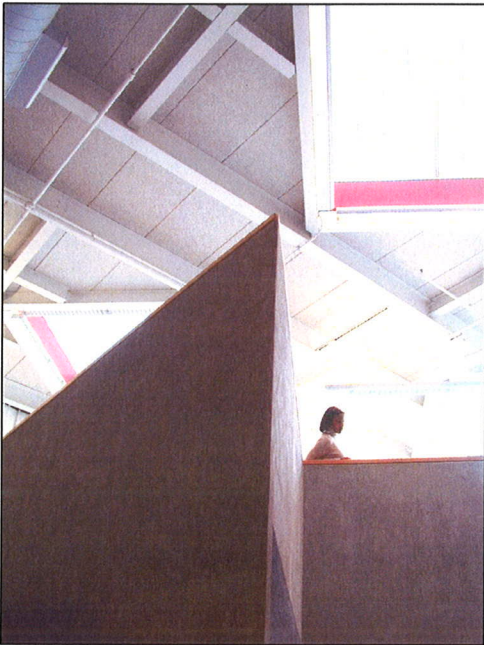
SISSONVILLE MIDDLE SCHOOL



SISSONVILLE MIDDLE SCHOOL



GEORGE WASHINGTON HIGH SCHOOL

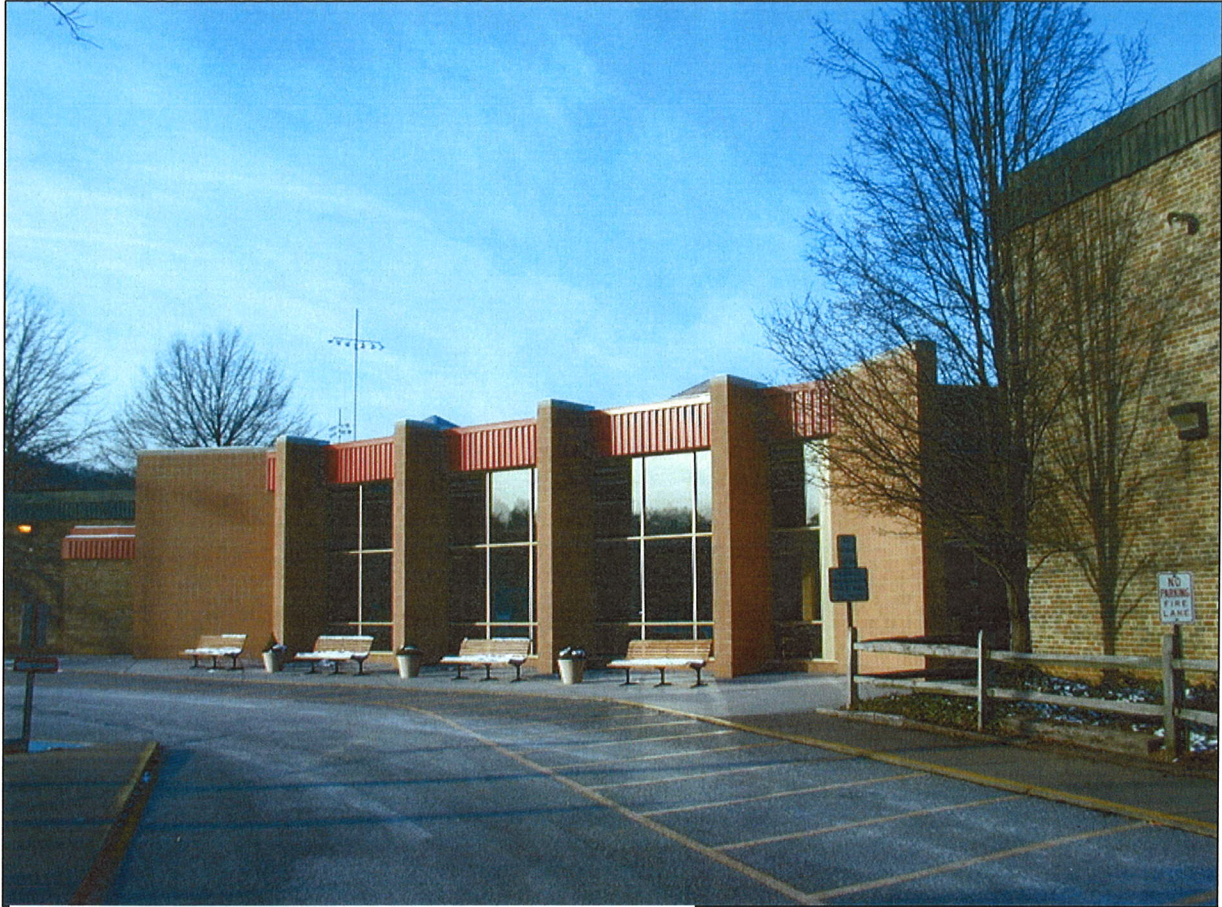


George Washington High School
1522 Tennis Club Drive
Charleston, West Virginia

New classroom wing with 15 classrooms, two gang toilets, additional commons area with a new entry, an auxiliary gym, and renovations to existing office area, lower level classrooms, library, and miscellaneous area for teacher offices.

Size: Addition /renovation	35,462 sf
	9,000 sf
Construction Cost:	\$ 3,400,000
Completion:	2002

SOUTH CHARLESTON HIGH SCHOOL



Commons Addition



Commons Area

South Charleston High School
One Eagle Way
South Charleston, West Virginia

Commons addition, classroom
addition, dining addition and
renovation, science labs

Size: Addition 19,042 sf
Renovations 2,858 sf
Cost: \$ 2,000,000
Completion: 2000



**United States Post Office
Beckley, West Virginia**

New Construction

Size: 45,000 sf
Cost: \$ 5,000,000
Completion: 2000



**United States Post Office
Princeton, West Virginia**

New Construction

Size: 20,000 sf
Cost: \$ 2,000,000
Completion: 2000



**United States Post Office
Bluefield, West Virginia**

Major Renovation

Size: 44,000 sf
Cost: \$ 1,900,000
Completion: 1998





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

McCABE-HENLEY AND ALLEGHENY BOOKS



Allegheny Books Interior



McCabe-Henley Office
Capitol Street
Charleston, West Virginia
Renovation/restoration of a 19th century building
Into class A office space
Cost: \$ 200,000

Trans Allegheny Books
Capitol Street
Charleston, West Virginia
Renovation/restoration of a 19th century building
Into a upscale book store reading room
Cost: \$ 850,000
Completion: 1993

THE GATES BUILDING

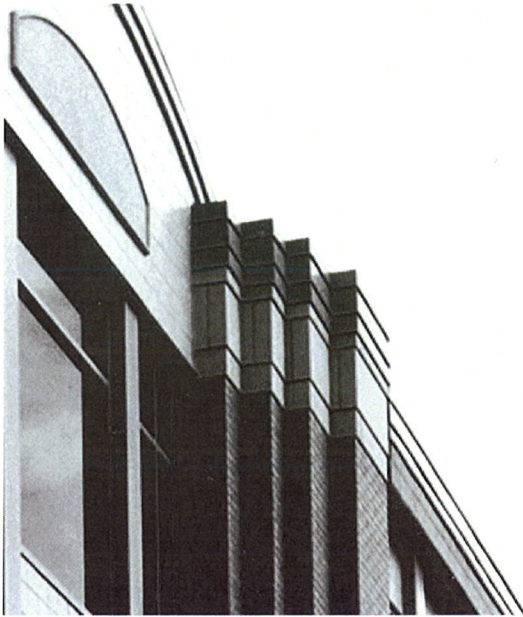


The Gates Building
108 ½ Capitol Street
Charleston, West Virginia

Historic Replacement Windows
Renovation and restoration of a
Dilapidated 19th century retail
and office building

Cost: \$ 550,000

Completion: 1993



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

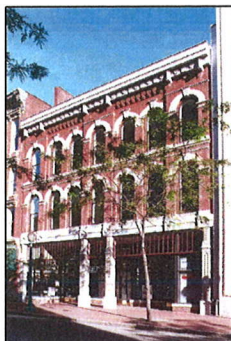
N Visions Architects can provide studies of potential project sites for evaluation by the Owner. Geotechnical, utility, environmental, and property utilization will be evaluated, to allow the Owner to make a site selection decision.

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, 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.



WVSA Awards

Trans Allegheny Books, Charleston, WV

WVSA - 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

AIA West Virginia 2008 Craftsmanship Award for Excellence in Craftsmanship

Sissonville Middle School

REFERENCES

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

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

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

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



Clingenpeel/McBrayer & Associates, Inc.

Services

CMA Engineering 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. As we have been involved in LEED Certification and other "LEED-Oriented" ventures for several years, we attempt to incorporate the most efficient and sustainable "green" designs in all of our projects.

History

Since 1986, CMA Engineering has provided 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 engineering services and construction administration without effecting the project's budget.



Commitment

CMA Engineering's 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.

In 1987, computer aided drafting stations were added to provide the best quality and engineering services for our clients. We are currently operating AutoCad 2011. 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 on-going work. The staff of CMA Engineering is large enough to handle any size project, yet small enough for direct input and supervision by key personnel.



Clingenpeel/McBrayer & Associates, Inc.

Daniel L. Ellars, P.E.

Timothy L. Cox, P.E.

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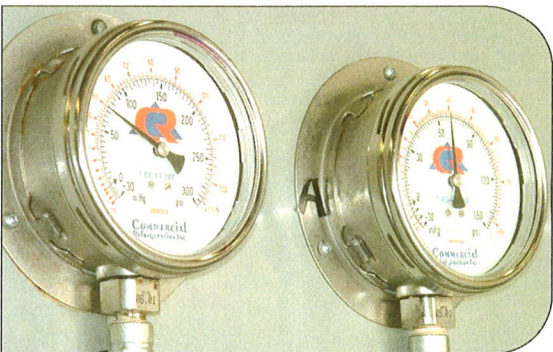
(304) 343-5146 fax

(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

CMA
ENGINEERING

Clingenpeel/McBrayer & Associates, Inc.

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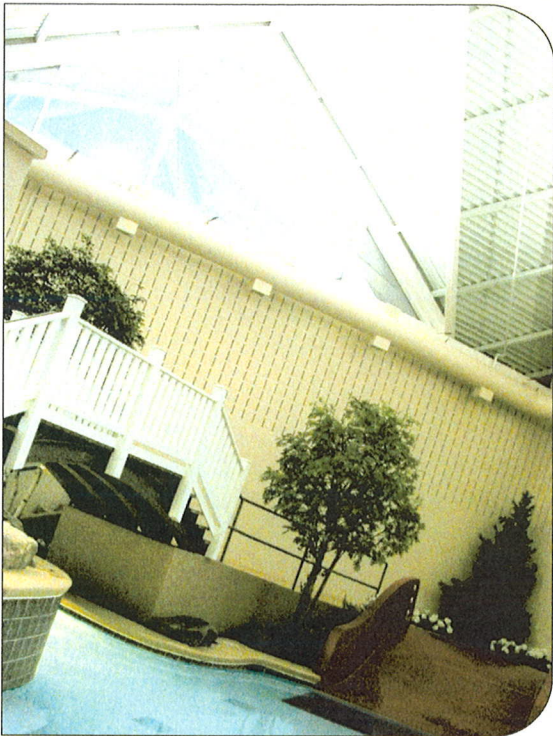
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www.cma.wv.com

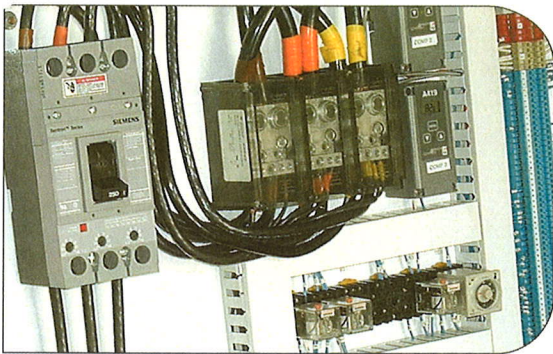
E L E C T R I C A L

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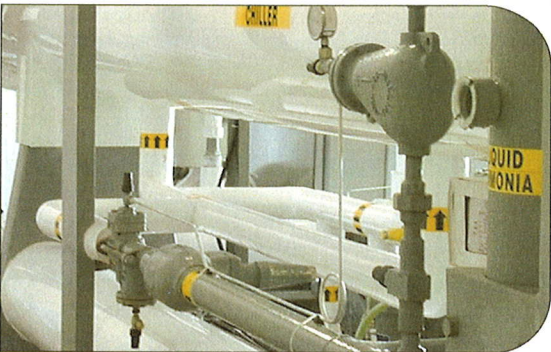
5 Riddle Court
Morgantown, West Virginia 26505
(304) 598-2558 tel
(304) 598-2472 fax

www.cma.wv.com

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



(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

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Design of mechanical, electrical, plumbing, fire protection and communication systems, including emergency power generators.



WVANG Elkins Readiness Center

CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, and electrical systems for new 54,500sf readiness center. All systems were designed utilizing LEED criteria.



Moorefield Readiness Center

CMA Engineering is currently providing mechanical, electrical and plumbing design services for the new 57,100sf readiness center which will include a 911 Center, a distance learning center and classrooms. MEP systems are being designed to obtain LEED Silver Certification .



Gassaway Armory

CMA Engineering provided mechanical, electrical and plumbing, design services for the renovation of 24,170sf of a single story structure including a 10,900sf drill hall and the addition of a new 4,810sf single story facility to house lockers, storage space, a lobby, corridors and office space.



St. Albans Armory

CMA Engineering provided mechanical, electrical and plumbing design services for the renovation of 16,407sf of a single story facility and a single story addition of 13,940sf composed primarily of office space, storage space, a lobby and corridors.

Design of mechanical, electrical, plumbing, fire protection and communication systems, including emergency power generators.



WVANG Eleanor Maintenance Center

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



WVANG Eleanor Readiness Center

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



WVANG Summersville Readiness Center

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



WVANG Lewisburg Readiness Center

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

Project Profiles

New Construction



West Virginia Intermodal Parking Facility

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



Morgantown Events Center

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



Mylan Pharmaceuticals

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



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. CMA also provided design for the addition of the fifth grade wing.

Project Profiles

New Construction 911 Centers

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



New Randolph County 911 Center

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

New Putnam County 911 Center

CMA is currently providing design services for the HVAC, plumbing, fire alarm, fire sprinkler, electrical and communications systems for the new single story 911 Facility(11,700sf) and new two story maintenance garage(5,000sf) with six maintenance bays on lower level and storage area (1,500sf) on second level.



New Raleigh County 911 Center

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

New Wetzel County 911 Center

CMA is currently providing design services for the HVAC, plumbing, fire alarm, fire sprinkler, electrical and communications systems for the new 3,100sf facility.



Harrison County 911 Center

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

Project Profiles

New Construction Emergency Response Facilities

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



Orchard Manor Fire Station, Charleston, WV
CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm, electrical and communications systems and site utilities for new 9,000sf fire station .



Northview Fire Station, Clarksburg, WV
CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, communication systems, lighting and electrical power for renovations to 7,000sf existing office facility and new connected garage facility of 7,300sf.



White Sulfur Springs Fire Station
CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, communication systems, lighting and electrical power for new 7,800sf facility.



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

CMA Engineering has provided engineering design services for over 65 postal projects, under an Open-end contract since 1993. Projects have included new construction and renovations/upgrades to mechanical, electrical, plumbing and security systems. A partial listing of projects include:

Charleston Main Post Office

Charleston Corridor G Plant

Charleston Carrier Annex

Clarksburg Post Office

Beckley Post Office

Bluefield Post Office

Princeton Post Office

Beaver Post Office

Inwood Post Office

Fairmont Post Office

Oceana Post Office

Williamson Post Office

Lavallette Post Office

Sandy Hook Post Office

Huntington Post Office

Martinsburg Post Office

Roanoke Post Office

Pt. Pleasant Post Office

Catlettsburg, KY Post Office

Greenup, KY Post Office

Professional Affiliations



Leadership in Energy &
Environmental Design



U.S. Green Building
Council



American Society of
Heating, Refrigerating and
Air Conditioning Engineers,



American Institute of
Architects— WV Chapter
Affiliate Member



National Fire
Protection Association

ASPE

American Society Of
Plumbing Engineers



MasterSpec
Specifications



The
LIGHTING
AUTHORITY

Illuminating
Engineering Society



WV Society of
Healthcare Engineers



International Code Council (ICC)



Business Partner



References



West Virginia University
P.O. Box 0877
Morgantown, WV 26505
Contact: Mr. John Thompson
(304) 293-3625



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



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

Ham Engineering

Structural Engineers
South Charleston, WV

Project Experience

Ham Engineering is normally retained as the structural consultant for the Owner, the Architect or the General Contractor on a project. The majority of the structural engineering performed by our firm involves projects in the commercial, retail, educational, industrial, and residential areas. The following is a partial list of commercial projects completed within the last five years. A list of other projects in the educational, industrial, and residential areas can be provided.

Sissonville Middle School Sissonville, WV

New Educational Facility with three wings of classroom space and including a student commons area, administration offices, media center/library, dining area, and a gymnasium. One story steel frame and load bearing masonry walls. Due to soils concerns at the site, the foundation design included a stiffened mat type foundation to resist settlement and cracking.

Elkview Middle School Elkview, WV

Additions to an Existing Educational Facility. Included additional classroom space, relocated stair towers, and expansion of both the dining area and the mediacenter/library area.

Piedmont Elementary Addition Charleston, WV

Classroom and multi purpose room addition to existing building. Two story steel and masonry structure with concrete floors.

Ham Engineering Project Experience, Cont'd

WOWK Television Building 13 Kanawha Boulevard Charleston, WV

Television Studio and offices. Three story steel frame with concrete floors on joists. Spread foundations. Unusual floor plan with 45 degree corners. Project was done as Design Build with General Contractor as prime.

Tri State Racetrack and Gaming Addition Cross Lanes, WV

Video Gaming Facility and Offices. One story steel frame addition with concrete slab on grade that included prefabricated electrical and data duct ways. Project also include several elevated performance areas, overhead access ways, and a shop fabricated steel tube truss pedestrian bridge with escalator from elevated parking area.

Holiday Inn Civic Center Huntington, WV

Hotel and related facilities. Five story masonry building with prestressed precast concrete plank floors. Steel framed entry canopy.

USPS Post Office Beckley, WV

Post Office. One-story steel frame supporting built-up roof with exterior brick veneer walls. Exterior loading docks for variable size trucks.

USPS Post Office Princeton, WV

Renovation of Existing Building for New Post Office. Existing one-story steel frame supporting built-up roof with exterior brick veneer walls. Modified to include two new exterior loading dock areas for variable size trucks and roof modifications for new HVAC systems.

Ham Engineering Project Experience, Cont'd

Charleston Fire Station Corridor G Charleston, WV

Fire Station. One story wood framed building with wood floor joists. Partial second floor.

BIDCO Shell Building Southridge Center Charleston, WV

Shell building for future business relocations to Charleston. One-story industrial/warehouse space with an office wing and a future office mezzanine level. Structural steel frame supporting a built up roof on joists with masonry exterior walls.

City Holding, Inc. Cross Lanes, WV

General offices for bank processing. Three story with partial basement. Structural steel frame with concrete floors on joists. Caission foundations due to extremely poor soil conditions.

Caperton Center WVU Parkersburg Parkersburg, WV

Classrooms, labs, and office space. Two story steel framed with concrete floor on joists. Extensive use of curved and intersecting exterior walls.

Buckingham Square Grand Cayman, BWI

Bank with general office space on second floor. Two story structural steel moment frame with concrete floors on steel joists. Designed for hurricane force winds.

Ham Engineering Project Experience, Cont'd

Medical Office Building Division Street South Charleston, WV

Medical offices located across from Thomas Memorial Hospital. Three story steel frame with concrete floors on joists.

FOG Building MacCorkle Avenue South Charleston, WV

Medical and General offices located near Thomas Memorial Hospital. Four story steel frame with concrete floors on joists.

G&G Building Scott Depot, WV

Office Building. Four story steel moment frame with concrete floor on joists. Set backs at each corner complicated the structural design.

Skaff Medical Building Charleston, WV

Medical Office Building. One story masonry building supporting a built up roof on steel joists.

Capital State Bank Southridge Center, Charleston, WV

Building houses a bank on the lower floor and office space on the second floor. Two story wood structure with wood and gypcrete floors.