

## **TRANSMITTAL**

TO: General Services Division Department of Administration	<b>DATE:</b> July 22, 2014	
State of West Virginia 2019 Washington Street, East Charleston, WV 25305	<b>PROJECT:</b> WVDOA Various Projects	
We are forwarding herewith	the following copies:	
(4) Expression of Interest		
(1) Addendum Acknowledgment F	Form	
(1) Certification and Signature Pag	ge	
(1) Purchasing Affidavit (X ) For your information/use		
( ) For your review and comment		
( ) For your signature		
( ) Approved		
( ) Approved as noted		
( ) Not approved	07/23/14 09:12:06AM	
( ) Revise and resubmit	West Virginia Purchasing Division	
( )		
Remarks:		
Co.		

By

George M. Soltis, AIA

# ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: GSD146440

**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:

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.

Company
Authorized Signature
7/21/14
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, 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 or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

	N VISIONS APCHITECTS
(Company)	Gell, Solt
(Authorized S	ignature
GEORGI	E M. SOUTIS PRINCIPAL
(Representativ	e Name, Title)
304-70	14-3654 304-201-1209
(Phone Numbe	r) (Fax Number)
7/21/4 (Date)	

RFQ No.	GSD146440

# 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 exceed 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.

CAMMY A. McCORMICK
300 SUMMERS STREET
CHARLESTON, WV 25301
My commission expires October 1, 2014

WITNESS THE FOLLOWING SIGNATURE:	
Vendor's Name: N VISIONS ARCHITECTS	
Authorized Signature:	_ Date: 7/2i  4
State of	
County of Kangwha, to-wit:	
Taken, subscribed, and sworn to before me this 2 day of July	20]4
My Commission expires	$\bigcirc$
AFFIX SEAL HERE NOTARY PUBLIC	Canny M Connich
OFFICIAL SEAL NOTARY PUBLIC STATE OF WEST VIRGINIA	Purchasing Affidavit (Revised 07/01/2012)

# 

A.R.C.H.I.T.E.C.T.S

Expression of Interest to provide Professional Architectural Services to the

WEST VIRGINIA
DEPARTMENT
OF
ADMINISTRATION

**FOR** 

# VARIOUS SMALL-SCALE CONSTRUCTION PROJECTS

July 24, 2014



CMA Engineering, Mechanical/Electrical Moment Engineers, Structural



July 21, 2014

General Services Division Department of Administration State of West Virginia 2019 Washington Street, East Charleston, WV 25305

Re: Providing Architectural/Engineering Services
Various Small Scale Construction Projects

Dear Selection Committee:

N Visions Architects would like to present our qualifications to the General Services Division for Architectural and Engineering Services.

The N Visions project team has a proven record with numerous clients. We believe our solutions are unique, but also timeless and meet the expectations and functional programs of the individual projects. A list of projects completed in the last ten years, which attests to our success, is included.

We have a long standing relationship with our Engineering consultants; they are part of our design family. Our relationship with the West Virginia State Fire Marshal is excellent.

We are looking forward to presenting our qualifications, answering questions, and discussing the future with the Selection Committee in person.

Very truly yours,

N Visions, Inc.

George M. Soltis, AIA

Gell, Sold.

Architect

GMS:bc

# WEST VIRGINIA DEPARTMENT OF ADMINISTRATION

#### N VISIONS ARCHITECTS

George M. Soltis, AIA, Principal-in-Charge Elissa V. Mosby, Interior Designer

# CMA ENGINEERING MEP

Timothy L. Cox, Principal Mechanical Engineer

Daniel L. Ellars, Principal Electrical Engineer

# MOMENT ENGINEERS STRUCTURAL

Douglas R. Richardson. PE Principal Engineer

Specialty Consultants
As Needed



## 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, 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

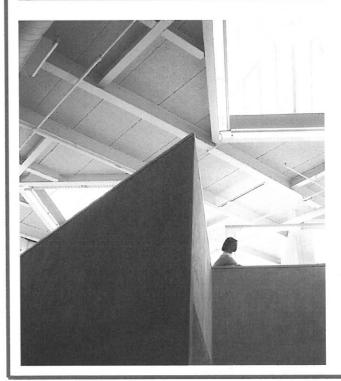
- Over 20 years Educational Experience

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



#### **PROJECT TEAM**





#### 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



A - R - C - H - I - I - E - C - I - S







#### 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 –

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





#### 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 30 years of mechanical and plumbing design experience to our clients. Timothy is a Certified Building Commissioning Professional through Association of Energy Engineers.

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

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

#### **Project Experience**

#### Design/Build-Criteria Development

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

#### **Educational Facilities K-12**

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

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

Coliseum Life Safety Renovations

New Soccer Stadium

New Wrestling Training Facility

Engineering Science Building Addition & Renovations

#### Military Experience

New Moorefield Readiness Center

New Elkins Readiness Center

Gassaway Armory Addition & Renovations

St. Albans Armory Addition

#### Mylan Pharmaceuticals, Morgantown, WV

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



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

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

#### Education

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

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

#### Registrations/Professional Affiliations

Registered Professional Engineer in WV, PA Leadership in Energy & Environmental Design-

Accredited Professional-Building Design and Construction

U..S. Green Building Council

Member of ASHRAE

National Fire Protection Association

Institute of Electrical & Electronics Engineers

WV Chapter of A.I.A.

#### Experience

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

#### **Project Experience**

**Recreational Facilities** 

Summit Bechtel National Scout Reserve Canaan Valley Ski Resort

#### **Educational Experience**

New Talcott Elementary School

New Fairdale Middle School

Chamberlain Elementary-Elevator Addition

East Bank Middle School HVAC and Lighting Renovations

New Pikeview Middle School

Nitro High School Commons Area Renovations

#### Military Experience

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

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

New District 1 Administration Building

New District 8 Administration Building



# 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 Member of ASHRAE WV Society of Healthcare Engineers

#### Experience

Matthew Corathers, mechanical engineer, has over eight years of experience in design and project management.

#### **Project Experience**

#### West Virginia University

New two-story Child Care Facility
Engineering Science Building—Laboratory Renovations

#### **Hospital Experience**

Davis Memorial Hospital-New Addition
United Hospital Center-New MRI facility
VA Hospital, Clarksburg, WV-Renovations to Dental Lab
Mercer County Nursing Home-Addition

#### Military Experience

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

#### **Court Houses**

Randolph County Courthouse-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-Renovations

#### **Educational Facilities**

Harrison County Schools-Fire Alarm replacement at Robert C. Byrd High School, Nutter Fort Elementary and Lost Creek Elementary

University High School-HVAC Upgrades for use as a middle school

New Rainelle Elementary School-HVAC Design

Aurora Elementary School Addition-Mechanical Design



# 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**

#### **Educational Facilities K-12**

New Sissonville Middle School New Lewisburg Elementary School New Talcott Elementary School New Fairdale Elementary School Nitro High School Toilet Renovations Nitro High School HVAC Upgrades Shady Springs High School HVAC Upgrades Shady Springs High School Addition Liberty High School HVAC Upgrades

#### **WV Department of Highways**

New District 1 Administration Building New District 8 Administration Building

#### Military Facilities

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

#### **Emergency Response Facilities**

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

# 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



PROJECT EXPERIENCE

PROJECT DESCRIPTION

Educational

Chamberlain Elementary HVAC

Sissonville High School Commons Addition, Renovation, New Entry

Nitro High School Commons Addition, New Entries

Sissonville Middle School New Middle School; AIA Award

Sissonville Middle School 5<sup>th</sup> Grade Addition to New Middle School

Sissonville Middle School Soccer Field

East Bank Middle School New Entrance, Commons, ADA Toilet

Replacement Upgrade, Media Center, Administration Office Renovation, New Air Conditioning/Heat, Total HVAC

replacement

South Charleston Middle School Window Replacement

South Charleston Middle School Elevator Addition/Renovation

South Charleston Middle School ADA Toilet Replacement/Upgrade,

Administration Renovation

Elkview Middle School Classroom Addition, Administration Office

Renovation, Commons Renovation, ADA

Toilet Replacement/Upgrade

Elk Elementary Center Pool Addition Renovations/

**HVAC** Upgrade

Weberwood Elementary Elevator Addition

Clendenin Elementary School New Elevator and

Fire Alarm System



Herbert Hoover High School Bandroom Science Labs, Library and Interior

Renovations

Elkview Bus Garage

Kanawha County Schools

Addition and Renovations

Montrose Elementary Window Replacement

HVAC Elevator

Nitro High School A/C Replacement

Kanawha County Schools Six High School Locations Grandstand Renovations/Additions

Kanawha County Schools Addition a

Edison Regulatory Training Center

Addition and Renovations

WVU Tech Sprinkler Addition w/CMA Engineering

Upper Kanawha Valley Economic Development

Renovations for Ink Research Lab

#### **Medical Facilities**

St. Francis Hospital 2010 Planning

St. Francis Miscellaneous Renovations

**Endoscopy Suite** 

Re-roof

Physical Therapy Relocation

4 East Patient Room Renovation

Cardio Vascular Recovery Unit

Medical Office Building - Dr. Thakkar

Day Surgery Reception Area

Thomas Memorial Hospital 2010 Planning

Thomas Hospital Miscellaneous Renovations

Joint Connection Orthopedics

Geriatric Psych

**Education Center Renovation** 

Finance Department



#### Medical con't

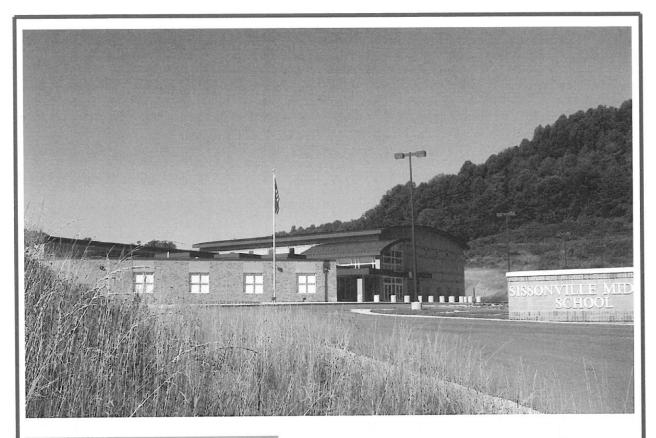
Thomas Hospital Cardiology Offices Cardiac Cath Lab

#### Churches/Commercial/Private Properties

208 Hale Street Renovations, Charleston, WV
600 Tracy Way – Renovations, Charleston, WV
A.G. Edwards Office Renovations, Charleston, WV
Bayer Heritage Federal Credit Union Renovations, Proctor, WV
City Center East, ADA Restroom, Charleston, WV
Cross of Grace Lutheran Church Renovations, Teays Valley, WV
Manna Meal Kitchen Build-out, Charleston, WV
St. Anthony Catholic Church Repairs, Charleston, WV
St. John's Episcopal Church Kitchen Renovations, Charleston, WV
St. Mary's Learning Center, Huntington, WV
Social Security Administration Office Renovations, St. Albans, WV
West Virginia State Capitol HVAC, Charleston, WV
West Virginia Governor Mansion Terrace Restoration, Charleston, WV



## SISSONVILLE MIDDLE SCHOOL







Kanawha County Board of Education Chuck Wilson, 304-348-6148

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

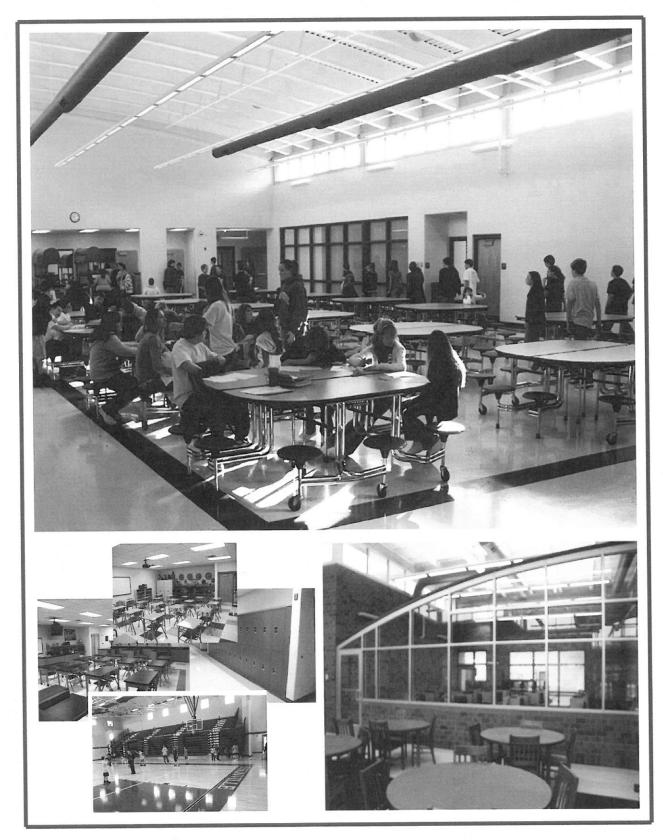
Completion:

2007

AIA Award 2008

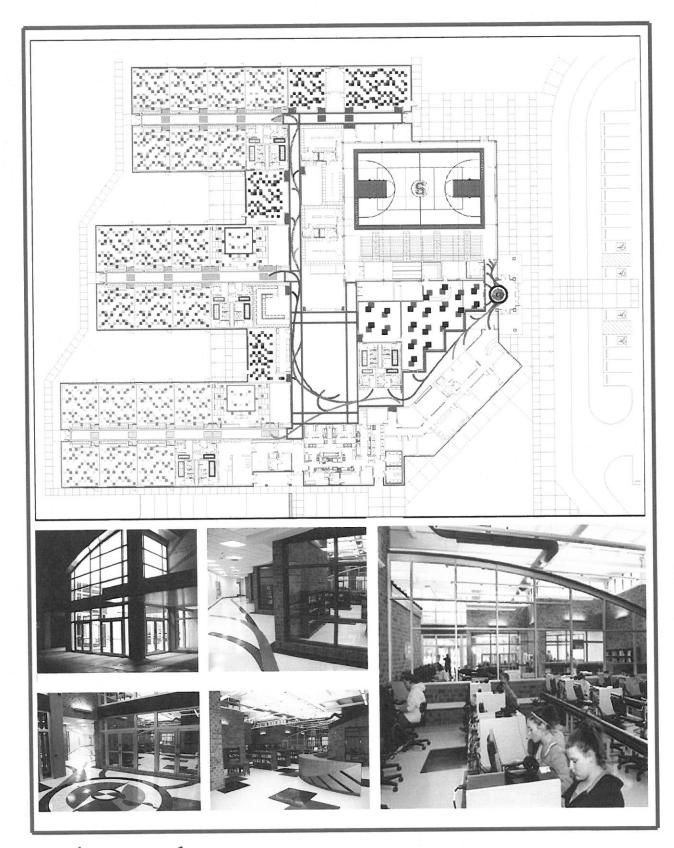


# SISSONVILLE MIDDLE SCHOOL





# SISSONVILLE MIDDLE SCHOOL





# HERBERT HOOVER HIGH SCHOOL





Kanawha County Board of Education Chuck Wilson, 304-348-6148

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.

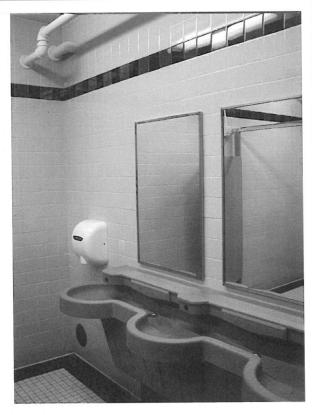
#### Size:

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



## NITRO HIGH SCHOOL TOILETS







Kanawha County Board of Education Chuck Wilson, 304-348-6148

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: Completion:

\$ 375,000 2006



## SOUTH CHARLESTON MIDDLE SCHOOL











Kanawha County Board of Education Chuck Wilson, 304-348-6148

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

Window replacement

Central HVAC study

Toilet replacement and upgrades meeting ADA, 2190 sq. ft.

Elevator installation interior renovations Meeting ADA

Construction Cost: Completion:

\$ 1,132,000 2003 - 2005



# UPPER KANAWHA VALLEY TECHNOLOGY BUILDING



Upper Kanawha Valley Economic Development Corporation Diana Wilson, Director, 304-422-4294

Upper Kanawha Valley Technology Community Building Montgomery, West Virginia

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

Size

4,916 sf

Cost:

\$275,000

Completion:

2008



# A G EDWARDS





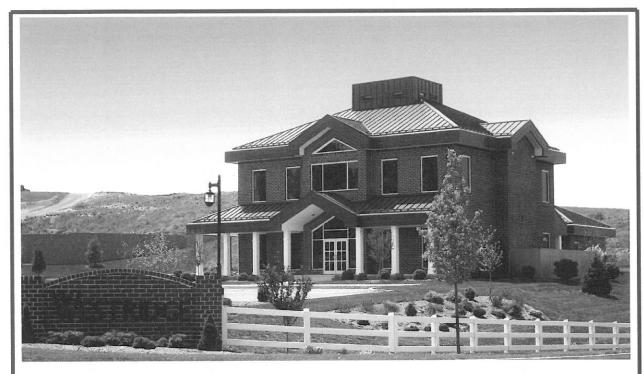
A G Edwards & Sons, Inc. 500 Lee Street East Charleston, West Virginia 25301

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

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



# **REAM INTERESTS**







Ream Interests, Inc., Jason Ream, 304-645-7517 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:

Construction Cost: \$ 1,036,000

5,000 sf

Completion:

2005



# STICKLER MEDICAL OFFICE







Stickler and Shinn 304-340-1032

Medical Office and Spa Northgate Office Park Charleston, West Virginia

Medical office building and health spa facility consisting of:

Administrative area Exam Rooms Doctors Offices Education/Classroom Center Exercise Area/Gym Spa Area

Size:

13,000 sf

Cost:

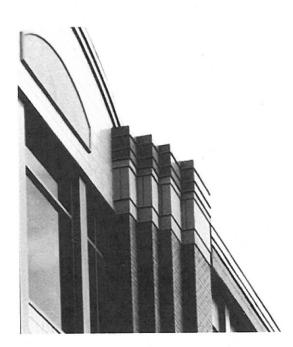
\$ 2,000,000

Completion:

2004



## **COMPANY PROFILE**



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.



## PROFESSIONAL SERVICES

#### 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.















AlA 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



## REFERENCES

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

Chamberlain Elementary HVAC Renovations, Charleston, WV
Sissonville High School Commons Additions/Renovations, Sissonville, WV
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

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

49 Main Street, St. Albans, WV, Social Security Administration Office KB & T Building, Capitol 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 – Various Projects Saint Francis Hospital – Various Projects

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

> Yeager Airport – Passenger Access Renovations ADA Access Arrival/Departure Area





#### Services

Clingenpeel McBrayer & Associates, Inc. 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.

#### Commitment

We are committing senior design professionals in order to assure that you receive top priority. 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.

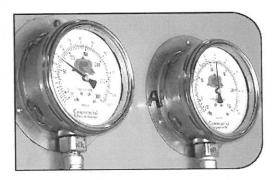


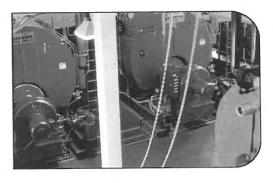
Charleston, WV



Morgantown, WV







(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

#### MECHANICAL

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

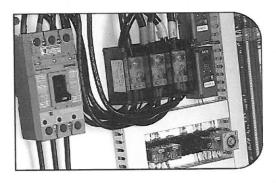


Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive Charleston, West Virginia 25313 (304) 343-0316 tel (304) 343-5146 fax 5 Riddle Court Morgantown, West Virginia 26505 (304) 598-2558 tel (304) 598-2472 fax

www.cmawv.com





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

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

## ELECTRICAL

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

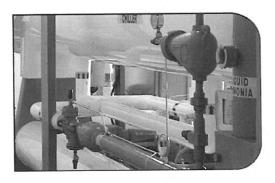


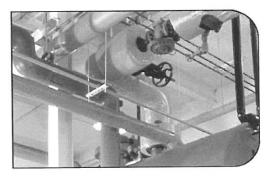
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www.cmawv.com







(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

## 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



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www.cmawv.com



## References

Mylan Pharmaceuticals

P.O. Box4310

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

Yeager Airport

100 Airport Road

Charleston, WV 25311

Contact: Mr. Rick Atkinson

(304) 344-8033

West Virginia University

P.O. Box 0877

Morgantown, WV 26505

Contact: Mr. John Thompson

(304) 293-3625

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



## Renovations



### WV DHHR-Office of Chief Medical Examiner

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



## **Kanawha County Courthouse**

CMA has provided mechanical, electrical and plumbing engineering design services for Kanawha County since 1983. Projects include MEP renovations to main courthouse, toilet renovations, parking garage, MEP renovations to the judicial annex, renovations to the Law Master offices, and design of exterior lighting.



#### Upper Kanawha Valley Technological Community

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



#### 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 to be used as an accounting/law firm.



## Renovations



## University High School, Monongalia County

CMA Engineering provided mechanical, electrical and plumbing upgrades to the old high school for future use as a middle school. CMA provided design for a complete fire alarm/fire sprinkler upgrade, removal of the old steam heating systems, design of the new HVAC system which includes air-conditioning, New plumbing systems included hot water heating systems and new domestic water entrance modifications to resolve site pressure problems and restroom renovations. A new electrical entrance was added to provide for the additional load for cooling and other systems, as well as, new electrical distribution for the older floor areas.



## Randolph County Senior Center

CMA Engineering is currently providing mechanical and electrical design services for the replacement of the HVAC equipment, main air handling unit electric heater/controls, branch electric duct heaters/controls and the addition of the kitchen heating/cooling system and the renovation of existing building controls.



#### East Bank Middle School

CMA Engineering provided MEP design services for replacement of the HVAC system and the affiliated electrical systems, renovations to the restrooms and the addition of new lighting fixtures and a new entranceway. Fire sprinkler and fire alarms systems were also modified as required.



## Nitro High School, Kanawha County

CMA is currently providing mechanical, electrical and plumbing design services for the renovation of 12,960 square feet of existing interior space used as the commons area and an additional 1,230 square feet of new exterior canopied entrance space is to be provided, as well as, 7,190 square feet of outside terrace areas.

Clingenpeel/McBrayer & Associates, Inc.

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







#### Welch Armory

CMA Engineering provided electrical design services for the replacement of the existing 400-amp, 120.208-volt, 3-phase, 4-wire service with 1000 amp, relocated metering equipment to the exterior of the building, and the addition of an emergency standby engine/generator set and manual transfer switch for emergency power. Electrical construction budget \$53,000.



### **Dunbar Armory**

CMA Engineering provided electrical engineering design services for the replacement of existing 600 AMP electric service and entrance located in Unit Supply Room with new 1000Amp panel and entrance to be located in Boiler Room, new 200 kw emergency generator and emergency distribution panel, new duplex receptacles with isolated ground for voice and data systems and relocated existing phone and fire alarm panels from Unit Supply Room to Boiler Room. Electrical construction budget \$120,000, does not include generator.



#### **Bluefield Armory**

CMA Engineering provided electrical design services for the upgrade of the present electrical power service (800-amp,120/208-volt, 3-phase, 4-wire) to 1200-amp and the addition of a 150kw diesel-fired emergency standby engine/generator set with a 600-amp, 3-pole manual transfer switch. Electrical construction cost \$160,000, includes generator.



## **WVNG Projects**



## **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. Construction cost \$4.35 million.



#### **Elkins Readiness Center**

CMA Engineering provided design of HVAC, plumbing, fire s sprinkler and fire alarm systems, and electrical systems for new 54,500sf readiness center. All systems were designed utilizing LEED criteria. Construction Cost \$15,434,000.



### Moorefield Readiness Center

CMA Engineering provided 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. Construction cost \$16,600,000.



# 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.

Construction Cost:

Construction cost \$9,243,434.25

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

Owner Contact:

Robert Krause

(304) 558-9018

Additional Information: CMA Engineering acted as Prime Consultant on this project. Project completed in 2013.



# Canaan Valley Ski Resort







Ski Rescue Patrol



Unit B

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

Owner Contact:

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



# **West Virginia Department of Highways**



CMA Engineering provided research and design services for a technical study to determine all utility-related loads for four (4) separate building designs for each of the ten (10) WVDOH District Headquarters Offices around the State. Designs were evaluated for both gas-heated and all electric buildings with the resulting utility loads and data tabulated for each building design. This information can be used for utility service applications for any location in the State. In each case, an on-site, standby emergency power system was designed to provide full, 100% back-up of all power requirements.

Owner Contact:

Brian Cooper

WV Department of Highways

(304) 637-0220

brian.k.cooper@wv.gov



# **Davis Memorial Hospital Addition**



CMA provided mechanical, electrical, plumbing, and fire protection engineering services for the new 45,000sf Outpatient Clinical and Physicians Office Building and the new 24,000sf section which houses the new registration area and connects the new medical center with the hospital. Electrical design included an on-site, standby emergency power system. The system was designed with flexibility to serve additional future loads such as an additional chiller coupled with an additional future engine/generator set.

Note: By using local West Virginia architects, engineers and contractors and with Steve Johnson acting as construction manager, the construction cost for these new additions was \$135.00 per square foot.

Owner Contact:

Steve Johnson

Davis Memorial Hospital

(304) 637-3129



## **East Bank Middle School HVAC Renovations**



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 a 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

Name of Owner:

Kanawha County Schools

200 Elizabeth Street

Charleston, WV 25311

Owner Contact:

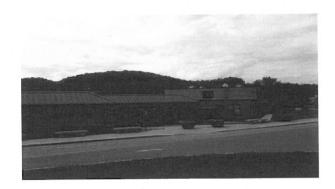
Charles Wilson

(304) 348-6148

Additional Information: CMA Engineering acted as Prime Consultant on this project. Project completed in 2013.



# **South Harrison High School HVAC Renovations**



CMA Engineering provided mechanical, and electrical engineering design services for new HVAC Project Description: 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

Owner Contact:

Neil Quinn

(304) 624-3355

Additional Information: CMA Engineering acted as Prime Consultant on this project. Project completed

in 2011.

# Background







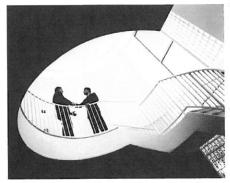
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early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

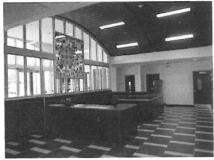
We believe that the practice of engineering is the point at which science and society meet. We also believe that the architects and builders we serve are essential in the development of the fundamental dignity of the community. Moment Engineers is strongly committed to developing structural solutions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















# Sample Project Experience

Moment Engineers staff experience includes a wide variety of new building design and existing structure evaluation and renovation. The list below is a small sample of the projects for which our staff has had responsible charge of the structural engineering, design and contract document production. A more extensive list is available upon request.

<u>Project</u>	Sq. Ft.
Logan State Office Building	53,200
Lewis County Judicial Annex	28,000
Cacapon State Park Addition	9,840
Summit Bechtel Reserve Bathhouses (358 units)	646 ea.
Mountaineer Challenge Academy	47,790
Kappa Alpha Fraternity House, WVU	14,000
Greenbrier East H.S. Renovations & Additions	205,060
Lincoln Co. High School	216,500
Wayne Co. Spring Valley High School	175,000
Cabell West Elementary School	55,790
Judge Donald F. Black Courthouse Annex	37,000
WV Hospital Association Office Building	29,710
Glen Jean - AFRC	107,090
Elkins - AFRC	60,570
Robert C. Byrd Regional Training Institute	143,000
Alderson Federal Prison Dormitory	60,620
Western Juvenile Detention Center	29,020
Lewisburg United Methodist Church	12,800
West Liberty University Health Sciences Bldg	70,500
Goodwill Industries Renovation and Addition	15,460
NGK-NTK Production Facility	78,000
Advantage Valley Advance Technology Center	55,040