



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

State of West Virginia
 Centralized Expression of Interest
 02 - Architect/Engr

Proc Folder: 211903

Doc Description: EOI for professional engineering services

Proc Type: Central Purchase Order

| Date Issued | Solicitation Closes | Solicitation No | Version |
|-------------|------------------------|-------------------------|---------|
| 2016-07-26 | 2016-08-30 13:30:00 | CEOI 0506 HHR1700000001 | 1 |

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

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

8/29/16 16:38:30
 (W) Purchasing Division

FOR INFORMATION CONTACT THE BUYER

Jessica S Chambers
 (304) 558-0246
 jessica.s.chambers@wv.gov

Signature X *Daniel Lee Elton*

FEIN # 55-0659239

DATE 8/29/16

I/We offer subject to all terms and conditions contained in this solicitation

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Daniel Lee Ellars

(Name, Title)

Daniel L. Ellars, P.E. Principal

(Printed Name and Title)

824 Cross Lanes Dr. Charleston, WV 25313

(Address)

(304) 343-0316 (304) 343-5146

(Phone Number) / (Fax Number)

dellars@cmawv.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

CMA Engineering

(Company)

Daniel Lee Ellars

(Authorized Signature) (Representative Name, Title)

Daniel L. Ellars, P.E., Principal

(Printed Name and Title of Authorized Representative)

8/29/2016

(Date)

(304) 343-0316 (304) 343-5146

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

CMA Engineering

Company

Daniel Lee Ellor

Authorized Signature

8/29/2016

Date

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

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: CMA Engineering

Authorized Signature: *Daniel Lee Elton* Date: 8/29/2016

State of WV

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 29 day of August, 2016.

My Commission expires September 16, 2020.

AFFIX SEAL HERE

NOTARY PUBLIC

Andy L. Rooney
Purchasing Affidavit (Revised 08/01/2015)

Expression of Interest

To Provide

Professional Engineering/Architectural Services

For Hopemont Hospital and Mildred Mitchell-Bateman Hospital

CEOI HHR 1700000001



August 30, 2016



Clingenpeel/McBrayer & Associates, Inc.

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

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



August 30, 2016

Ms. Jessica S. Chambers
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305-0130

Re: CEOI #1700000001 Hopemont and Mildred Mitchell-Bateman Hospitals

Dear Ms. Chambers:

CMA Engineering is pleased to submit, for your consideration, our qualifications and experience in providing engineering services for the replacement of the Boiler Systems at Hopemont Hospital and the electrical renovations at Mildred Mitchell-Bateman Hospital.

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

CMA will act as the prime consultant on these projects and will utilize the experience of NVision Architects and Stafford Consultants as needed.

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

Sincerely,
CMA Engineering

Timothy L. Cox, P.E.

enclosures



West Virginia University Eye Institute

Quality Service & Diverse Experience

CMA Engineering is a West Virginia based small business firm, providing services in the areas of HVAC, plumbing, fire protection and electrical engineering. With offices in Charleston and Morgantown, the staff of CMA is large enough to handle any size project, yet small enough for direct input and supervision by key personnel. CMA Engineering has provided engineering services for over three hundred different projects at forty-two West Virginia Hospitals. Through our strong experience in hospital design, we have a solid understanding of Code requirements and healthcare facility design standards.

At CMA, we understand that Healthcare Engineering requires specific knowledge and focus regarding the specialized requirements and conditions of each facility. Our MEP (Mechanical, Electrical, Plumbing) experience in the hospital industry what sets our firm apart. Our familiarity with important documents such as NFPA 99,

the NEC, the Life Safety Code, ASHRAE Handbooks, and the AIA Design Guidelines for Healthcare Facilities, provide the designer with the necessary information to devise the essential systems for Healthcare Facilities.

Specialized requirements call for specific expertise. At CMA we understand the nuances involved in the hospital electrical environment. As time and technology push for continuous change, we know that the electrical systems must be designed to accommodate both current and future loads. Harmonics must be addressed to avoid unwanted electrical interference with data processing, laboratory and critical medical equipment. In the case of commercial power loss, it is important that essential and critical power load distributions require careful review and design to assure a seamless transition to emergency power.

Hospital Experience

Alderson-Broaddus Hospital
 Allen Medical Center
 Appalachian Regional Hospital
 Beckley Hospital
 Boone Memorial Hospital
 Cabell Huntington Hospital
 CAMC-Women & Children's Hospital
 Camden Clark Hospital
 Chestnut Ridge Hospital
 Clay Primary Health Care
 Davis Memorial Hospital
 Fairmont General Hospital
 Grant County Hospital
 HSC-Morgantown
 Jackson County Hospital
 Lakin State Hospital
 Logan General Hospital
 Marion Health Center
 Medbrook Medical Center
 Monongalia General Hospital
 Montgomery General Hospital
 Morgantown Physical Therapy
 Pinecrest Hospital
 Pinewood Medical Center
 Preston County Memorial Hospital
 Princeton Community Hospital
 Point Pleasant Hospital
 Putnam General Hospital
 Richwood Community Hospital
 Roane General Hospital
 Ruby Memorial Hospital
 Shinnston Medical Center
 St. Francis Hospital
 Summersville Hospital
 Thomas Memorial Hospital
 United Hospital Center
 Valley Health Center
 VA Hospital-Clarksburg
 VA Hospital-Huntington
 WV Eye Institute
 WVU Hospital
 WV School of Osteopathic Medicine



Davis Memorial Hospital Cancer Center

Various communications systems, including paging, sound, call and fire alarm systems must be designed to meet new design standards and codes while often interfacing with older existing systems. From fire alarm systems to lighting levels—CMA is experienced in electrical systems throughout the hospital facility.

Many areas of a Healthcare Facility require specific ventilation, pressurization, filtration and systems to deliver air for comfort and indoor air quality. Specific temperatures and humidity ratios must be maintained while minimizing the energy consumption of mechanical equipment. It is our understanding of these requirements, along with our experience with the direct digital controls of the mechanical equipment that help us adhere to strict humidity

and temperature requirements, while minimizing energy costs.

Plumbing and fire protection systems must not only meet current facility need, but must also consider future facility expansion as well. Planning and expertise is crucial—design of domestic hot and cold water systems must consider delivery temperatures to avoid development of bacteria.

Connection of medical wastes must be designed per EPA requirements, and fire protection systems must be applicable for the specific hazard and coverage. At CMA Engineering, our designers believe that excellent design brings excellent results.

From ambulatory care to emergency rooms, from MRI scan areas to linear accelerators, from outpatient facilities to medical office space, CMA Engineering has diverse experience to meet your facility's needs.

CMA
ENGINEERING

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

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



Timothy L. Cox, P. E., CBCP

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

Education

University of Colorado
Boulder, Colorado
Bachelor of Science in Mechanical Engineering

Registrations/Professional Affiliations

Registered Professional Engineer in WV, VA, MD, KY
Association of Energy Engineers-CBCP
CPD (Certified in Plumbing Engineering)
Member of ASHRAE
American Society of Plumbing Engineers
National Association of Fire Protection Engineers
WV Society of Healthcare Engineers
WV Chapter of A.I.A.

Experience

Timothy Cox, President and Senior Mechanical Engineer of CMA Engineering, brings 32 years of mechanical and plumbing design experience to our clients. Timothy is a Certified Building Commissioning Professional through Association of Energy Engineers.

Hospital Facilities Experience

Davis Memorial Hospital

- New Outpatient and Physician Offices Addition
- Facility Main Boiler Replacement
- Operating Suites Renovations
- Pharmacy IV Laboratory
- Emergency Generators
- Endoscopy Relocation

Broaddus Hospital Expansion

Roane General Hospital Operating Suites Renovation

West Virginia University Hospitals

- West Virginia Eye Center-New Facility
- Cheat Lake Clinic Addition
- Emergency Department Expansion
- Ruby Memorial Fire Alarm Upgrade
- Chestnut Ridge Hospital-Variou Renovations & Upgrades
- HealthWorks-New Rehab Facility
- Physicians Office Center-Renovations for MRI Installation

Princeton Community Hospital- MRI Installation

Monongalia General Hospital-Cooling Tower Replacement

Louis A. Johnson Veteran's Hospital

- Dental Laboratory Renovations
- 2nd Floor Laboratory Renovations
- Solarium Renovations

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

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

Education

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

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

Registrations/Professional Affiliations

Registered Professional Engineer in WV, PA
Leadership in Energy & Environmental Design-
Accredited Professional-Building Design and
Construction
U..S. Green Building Council
Member of ASHRAE
National Fire Protection Association
Institute of Electrical & Electronics Engineers
WV Chapter of A.I.A.

Experience

Daniel Ellars, senioe electrical engineer, brings 25 years of electrical design and project management experience to our clients. Mr, Ellars had 17 years of experience with American Electric Power providing advice and coordination for new construction, additions, renovations and energy audits. Dan also served as the project manager for AEP's prime and emergency power systems program to provide on-site power generation to small and large, commercial and industrial customers across AEP's seven state territory.

Project Experience

Healthcare Facilities

Ruby Memorial Electrical Renovations
WV Eye Institute-New Facility
Roane General Hospital-Electrical Renovations
Roane General Hospital-Emergency Generator
Appalachian Regional Hospital- Renovations
Princeton Health Care Center-Renovations
Louis A. Johnson Veteran's Hospital-Northwest Entry Renovations
Louis A. Johnson Veteran's Hospital-Southwest Entry Renovations
Louis A. Johnson Veteran's Hospital- Laboratory Renovations
Thomas Memorial Hospital-Electrical systems survey, upgrades and documentation

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 Equipment Shop
WVDOH-Utility Study for all 10 Districts
District 7 Administrative Building
District 7 Equipment Shop
Interstate Lighting Upgrades

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Matthew C. Corathers, P.E.

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

Education

West Virginia University
Morgantown, WV
Bachelor of Science in Mechanical Engineering

Registrations/Professional Affiliations

Registered Professional Engineer in WV
ASHRAE
WV Society of Healthcare Engineers

Experience

Matthew Corathers, mechanical engineer, brings nine years of Mechanical design experience and project management to our clients.

Project Experience

Health Care Experience

Davis Memorial Hospital-New Addition
Davis Memorial Hospital-Laundry Renovation
Davis Memorial Hospital-Procedure Room Renovations
Monongalia General Hospital- Pharmacy Clean Room Modifications
Monongalia General Hospital-Computer Server Room Modifications
United Hospital Center-New MRI facility
VA Hospital, Clarksburg, WV-Renovations to Dental Lab
Mercer County Nursing Home-Addition
WVU Health Science Center-MRI Renovation and Installation
WVU Health Science Center-PET/CT Scanner & System Installation and Area Renovation
Sundale Palliative Addition

Military Experience

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

Educational Facilities

Harrison County Schools-Fire Alarm replacement at Robert C. Byrd High School, Nutter Fort Elementary and Lost Creek Elementary
South Harrison High School-HVAC Renovations
University High School-HVAC Upgrades for use as a middle school
New Rainelle Elementary School-HVAC Design
Aurora Elementary School Addition-Mechanical Design

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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

Medical Facilities

Charleston Area Medical Center-Emergency Room Renovations

Davis Memorial Hospital- Addition

Appalachian Regional Hospital Renovations

Lewis County Health Clinic Renovations

Louis A. Johnson Veterans Hospital-Laboratory Renovations

Louis A. Johnson Veteran's Hospital-Solarium Renovation

Hess Medical Office Building-New Facility

Southern West Virginia Hospice-New Facility

NorthGate Doctor's Office Building-New Facility

Mercer County Nursing Home

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

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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 \$165.00 per square foot.

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



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Davis Memorial Hospital Boiler Renovation



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

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



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Davis Memorial Hospital



CMA Engineering has provided mechanical, electrical and plumbing design services for numerous projects at **Davis Memorial Hospital**. Projects include:

- New 70,000sf addition
- New Cancer Center
- New Operating Suites
- Pharmacy IV Laboratory Clean Room
- New Linear Accelerator Facility
- Boiler Replacements
- Fire Suppression Renovations
- Kitchen and Dining Room Renovations
- AHU Cool Freeze Protection
- Emergency Generator Upgrades
- Laundry Exhaust Air Handler
- Kitchen Make-Up Air Unit
- Cooling Tower and Chiller
Replacement
- Energy Audit
- Nurse Call Systems
- Emergency Power Systems

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

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

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



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Monongalia General Hospital

Pharmacy Clean Room Lab Hood Replacement



CMA Engineering is currently involved in the addition of a new Pass-Through Laboratory Hood with HEPA filtration to an existing clean room space. This project began as a study to address areas and means of improvement to an existing Pharmacy Clean Room as well as assessing existing HVAC and Exhaust systems to accommodate the new Lab Hood. CMA, with the coordination efforts of Monongalia General Hospital Facilities project managers, provided design and recommendations for a temporary location of the desired Lab Hood while Pharmacy Clean Room modifications are being constructed. The finished project will house the new Lab Hood in the Clean Room, with a new exhaust fan to suit the airflow requirements and balanced with an additional VAV unit to maintain temperature and humidity for Pharmaceutical requirements.

Owner Contact: Dan Wheeler
Director of Facilities Management
Monongalia General Hospital
(304) 598-1266



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CMA Engineering has provided mechanical, electrical, plumbing and fire protection design services for over fifty projects of varying scope and size at **West Virginia University Hospitals**.

Projects have included:

- New West Virginia University Eye Institute
- Chestnut Ridge Center –HVAC upgrades to First and Second Floors
- Ruby Memorial Hospital-Addition to Emergency Room
- Ruby Memorial Fire Alarm Upgrade
- Cheat Lake Clinic– 21,000sf Addition that include examination rooms and x-rays facilities
- Physicians Office Center-Renovations and Upgrades to the First Floor for conversion to a MRI Facility
- Healthworks-new 37,000sf Physical Therapy Facility
- WVU Biomedical Research Facility-Bidding Documents for the following site utilities—chilled water supply and return steam condensate, 23kv and 480kv distribution with associated duct banks, and telephone and communication duct banks.
- WVUH-Emergency Room Expansion
- WVUH-Gamma Knife Installation
- Health Science Center-Tunnel Air Flow Study
- Health Science Center Smoke Evaluation
- WVU School of Medicine Charleston– HVAC Renovations

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Bluefield High School-

Boiler Replacement



Project Description: Project was to quickly provide a design and follow through with complete construction administration services to replace boiler and domestic hot water plant for a high school. Entire project was a last minute activity due to equipment failures. Design started in March 2014 and was approximately six weeks from start to finish, bidding and establishing contracts took more time at almost ten weeks to the end of May and construction was allowed only four months including shop drawings review and delivery of all equipment. The new steam boiler systems had to be operational before cold weather set in at the end of September 2014.

CMA Engineering provided complete mechanical, electrical and plumbing design for this boiler system replacement. At the same time another project was started to replace a chiller system at Montcalm High School which had only six weeks from start of construction contract until school was to be ready for start (August 1, 2014). CMA worked with the contractor and various equipment manufacturers and got the new chiller system on line in approximately three weeks.

Project Budget: \$998,000.00
Construction Cost: \$995,445.00
Owner Contact: Leslie Wellman, Director of Purchasing
Mercer County Schools
(304) 920-5635
Completion Date: 2014
Note: Project funded by SBA MIP fund.

Clingenpeel/McBrayer & Associates, Inc.



Project Description: CMA Engineering provided mechanical and electrical design for three elementary schools: Cranberry- Prosperity, Crescent and Mabscott. These schools required the addition of 60+ individual classroom air conditioning units as where previous Additional design for split systems, exhaust, and roof-top a/c units were also required to add cooling and ventilation to restrooms, gymnasiums and cafeterias. With the addition of new HVAC units, electrical design was also performed to upgrade the power entries at each school. Limited scope alternatives for partial and full demolition of existing heating water systems were added to the design documents in order to permit higher flexibility in the project budget during bidding. CMA acted as Prime Consultant on the project.

Project is currently proceeding into the bidding phase.

Owner Contact: Rod Lively
Raleigh County Schools
105 Adair Street
Beckley, WV 25801
(304) 256-4565 x4732

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South Harrison High School HVAC Renovations



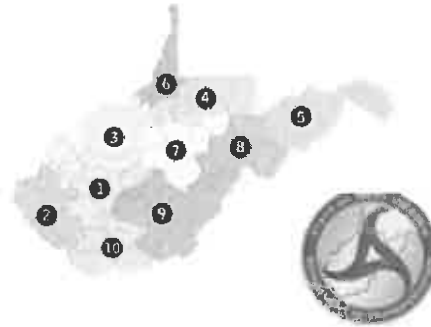
Project Description: CMA Engineering provided mechanical, and electrical engineering design services for new HVAC systems and associated electrical systems serving the Academic Wing (two floors) and the Band Room in adjacent wing (total renovation area of 50,000sf) and the gymnasium, six rooms and two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

Original Budget: \$1,500,000.00
Construction Cost: \$1,450,000.00
Project Size: 65,000 square feet
Name of Owner: Harrison County Schools
P.O. Box 1370
Clarksburg, WV 26302
Owner Contact: Neil Quinn
(304) 624-3355

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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

Clingenpeel/McBrayer & Associates, Inc.

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



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

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

Clingenpeel/McBrayer & Associates, Inc.

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

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



CMA Engineering provided design and contract administration services for a new 57,100sf armory facility including an on-site, standby emergency power system designed to provide 100% of the overall power requirements of the facility in addition to an electrically-driven fire pump. The building consists of an armory combined with a 911 center. Designs included a coordination of the campus' complete underground medium-voltage power and telecommunications systems and separation of the armory's and 911 center's telecommunication networks.

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

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Canaan Valley Ski Resort



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

Clingenpeel/McBrayer & Associates, Inc.

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

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

West Virginia National Guard

Emergency Power Projects



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.

Clingenpeel/McBrayer & Associates, Inc.

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



WVDOH District 8 Equipment Shop, Elkins

CMA provided design and construction administration services for all mechanical, electrical and plumbing systems, including an on-site, standby emergency power system to provide full, 100% back-up of all power requirements, for new 20,500sf facility. Project is currently in the bidding phase.



New Putnam County 911 Center

CMA provided 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. Design included an on-site, standby emergency power system.



New Raleigh County 911 Center

CMA Engineering provided design and construction administration services for all mechanical, electrical and plumbing systems, including an on-site, standby emergency power system.



Monongalia County Building

CMA Engineering provided mechanical, electrical and plumbing design services for the new three-story, 30,000sf facility and 4,000sf, insulated metal shell, mechanical penthouse. Design included an on-site, standby emergency power system for the law enforcement facility.

Clingenpeel/McBrayer & Associates, Inc.

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

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



812 Gorman Avenue • Elkins, WV 26241 • 304.636.3300 • Fax 304.637.3435 • davishealthsystem.org

February 12, 2016

To Whom it May Concern,

We are writing this letter of recommendation for CMA Engineering, and Timothy Cox, President. We have worked exclusively with Tim and CMA Engineering for the past fifteen years. Tim and his staff are very professional and punctual and continue to be an integral part of our construction projects.

CMA Engineering has provided services for us on numerous projects for all of Davis Health System. Tim has been involved from the conceptual phase thru the end of construction on projects for us such as a replacement facility for Broaddus Hospital in Philippi, WV, a new Cancer Care center in Elkins, WV, numerous MEP projects for Davis Medical Center, and the Addition to Davis Medical Center in Elkins, WV. These projects range from 3,000 square foot buildings to 80,000 square foot additions and numerous mechanical renovation projects.

Tim Cox and CMA Engineering have proven themselves time and time again to us by providing innovative and cost effective designs. We are pleased to recommend them for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven Johnson".

Steven Johnson, CHFM
Director of Support Services
304-637-3129

Sincerely,

A handwritten signature in black ink, appearing to read "Jeri Pastine".

Jeri Pastine, PE, CHFM
Project Coordinator
304-637-3521





1200 J.D. Anderson Drive
Morgantown, WV 26505
phone 304-598-1200
www.mongeneral.com

February 3, 2016

To Whom It May Concern:

I am writing on behalf of CMA Engineering as a recommendation of their engineering services. Mon General Hospital has utilized CMA to perform design and construction administration tasks on various projects located throughout our facility. CMA has demonstrated proficient knowledge of current codes and specific design requirements and regulations which govern modern design of hospital HVAC, electrical and plumbing systems. I recommend CMA Engineering as an MEP engineering consultant for design and construction review processes.

Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Wheeler".

Dan Wheeler, Facilities Project Manager
Monongalia General Hospital
Morgantown, WV 26505



DR. MARK A. MANCHIN
Superintendent

HARRISON COUNTY SCHOOLS

408 E. B. SAUNDERS WAY
POST OFFICE BOX 1370
CLARKSBURG, WEST VIRGINIA 26302-1370
(304) 326-7300
FAX (304) 624-3361

BOARD OF EDUCATION
DOUGLAS K. HOGUE, *President*
FRANK DEVONO, JR. *Vice President*
MICHAEL DAUGHERTY
GARY M. HAMRICK
KRISTIN MESSENGER

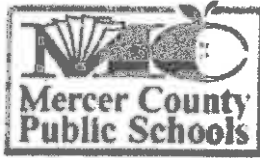
To whom it may concern :

This letter is in reference to CMA engineering . CMA Engineering has successfully completed several projects in past and recent years for Harrison county schools . CMA Engineering designed and engineered total hvac renovations at South Harrison High School , South Harrison Middle School , and Salem Elementary School with minimal design issues and change orders . All three schools are very operable and economical as a result of CMA Engineering . CMA Engineering designed and engineered glycol and glycol installation at Robert C. Byrd high school , Bridgeport middle school , Big Elm Elementary school , and Nutterfort elementary school for Harrison county schools that also proved to be another successful project . In 2014 CMA Engineering successfully designed and completed fire alarm replacements at Robert C. Byrd High School , Nutterfort Elementary school , and Lost Creek Elementary School . During the 2015 year CMA Engineering assisted a local mechanical contractor to complete the hvac portion of a 5 million dollar energy project done by Harrison County Schools . During the later portion of 2015 CMA completed work on chiller replacements at Liberty High School and Johnson Elementary School . Also during the same time designed and completed fire alarm replacements at Bridgeport Middle School and South Harrison Middle School .

Currently Harrison County Schools is working with CMA on a Food service and Transportation project that include three phase electrical design , sixty bus parking facility lighting and power design , large cooler /freezer food storage facility and environmentally controlled dry food storage facility . Harrison County Schools has a good working relationship with CMA Engineering and has always found them to be very capable of the design and engineering of any mechanical project large or small . I have found the CMA Engineering staff to be very professional , knowlegable , prompt , and courteous . I would highly recommend CMA Engineering for any project and feel very confident they would complete the project on time and on budget .

Joe Ammons

Director of Maintenance
Harrison County Schools



PURCHASING DEPARTMENT
1403 Honaker Avenue, Princeton, West Virginia
(304) 487-1551, Fax (304) 425-5011
Deborah S. Akers, Ed.D., Superintendent
Bids are posted at: <http://boe.merc.k12.wv.us/purchasing>

February 1, 2016

To Whom It May Concern:

We have had the opportunity to work with CMA Engineering on several projects in recent years. These projects ranged from the new Pikeview Middle School, a large SBA funded boiler replacement project on down to assisting us in finding a solution to poor ventilation/standing water under our main MCTEC building. In December of last year, we had a need to contract with an electrical engineer for a metal building we plan to have erected and when questioned as to which engineer we should use, I immediately said CMA.

I have found CMA, Tim Cox and the entire staff to be very professional, accurate and cost conscious. Plans were delivered timely and accurately. All projects came in at or under budget with no change orders, other than one which our Maintenance Director requested.

It is critical that we have strong engineers that we can rely upon. The Mercer County Board of Education has found CMA to be one we rely upon frequently. Based upon my experience with CMA, I would highly recommend them to other organizations as well.

Regards,

A handwritten signature in cursive script that reads "Leslie Wellman".

Leslie Wellman, CPA
Purchasing Director

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.

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.

AWARDS



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



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



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

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

**Charleston Renaissance Corporation
Best Development**

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

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

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



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

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



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

REFERENCES

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

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

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

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

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

Thomas Memorial Hospital
Saint Francis Hospital

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

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

RESUME



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



RESUME



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

Sticker 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

Stafford Consultants, Inc. Profile

Stafford Consultants Inc. was formed in 1985 from a core group of employees of Gates Engineering Company. After many successful years of operation, Gates Engineering Company was bought by a large design / build firm that later decided to divest the consulting engineering firm. Two original partners and five other employees have been with the firm since its inception.

Currently, Stafford Consultants employs a total staff of sixteen, including four registered professional engineers. Our high ratio of professional to total employees is indicative of the importance we place on providing professional service to our clients. Mr. Edward L. Shutt, P.E. now serves as president of the firm.

Our firm is a full service Engineering firm that provides services in Civil, Structural, Highway, Bridge, Airport, Environmental, and Sanitary Engineering. We have been providing engineering services for water, sewer and general civil projects for more than twenty seven years. Although our main emphasis is toward the municipal utility market, our firm is highly qualified and capable of completing varied civil and structural projects. The football stadiums at West Virginia and Marshall University, buildings at Virginia Tech, sidewalks for the City of Princeton, artificial turf for the Princeton Senior High School football field, and master planning of athletic facilities at Virginia Tech and Marshall are prime examples.

Stafford has provided site civil and structural engineering design services, many in association with architectural firms, since the firm was founded. Representative projects include Chapmanville High School, Parkersburg High School, Parkersburg South High School, Williamstown High School, Hilltop Elementary School, Wheeling Park High School, Cameron High School, Weirton Elementary School, Brooke County Middle School, the Chuck Mathena Center for Performing Arts in Princeton, the Merriman Athletic Facilities Building at Virginia Tech, Oakvale Elementary School, Mercer County Health Center, and the North Central Advanced Technology Center.

All structural projects and site civil projects at Stafford are managed by Kenneth R. Crowe, P.E. Kenneth has over thirty-four years of structural, transportation and site civil engineering experience. He is assisted in this work by Kevin Smith, engineering and CAD technician. Kevin is experienced and particularly adept at site grading, pavement, drainage, and water and sewer layout.



The Chuck Mathena Center in Princeton and the tennis court at Williamstown High School are representative of Stafford's structural and site development capabilities.



STAFFORD CONSULTANTS INCORPORATED GENERAL
STRUCTURAL and SITE CIVIL DESIGN PROJECTS

| | |
|---|--|
| Mountain Eagle Distributing Warehouse Raleigh County Airport Industrial Park | Foundation design for pre-engineered building warehouse addition. |
| Ronceverte Elementary School Gym Ronceverte, WV | Foundation design for pre-engineered building addition to serve as a gymnasium. |
| North Central Advanced Technology Center Fairmont, WV | Foundation design, structural design, and retaining wall design for 36,300 sq.ft. three story structure. CMU walls with steel bar joists. |
| Mercer County Health Center Green Valley, WV | Foundation design, structural design, and site civil design for 11,500 sq.ft. one story structure. CMU walls with steel bar joists. |
| Oakvale Elementary School Oakvale, WV | Foundation design, structural design, and site civil design for 26,500 sq.ft. two story structure. CMU walls with steel bar joists. |
| Chuck Mathena Center for the Arts Princeton, WV | Foundation design, partial structural design, and site civil design for 1,000 seat theater and associated service areas. CMU and pre-cast concrete walls with steel frame structure. |
| Merriman Athletic Facilities Building Virginia Tech, Blacksburg, VA | Foundation design, structural design, and site civil design for 24,500 sq.ft. two story structure. CMU walls with steel frame structure. |
| Brooke County Middle School Wellsburg, WV | Foundation design, structural design, and site civil design for 112,600 sq.ft. school, consisting of one and two story sections, gymnasium, multi-purpose gym, and auditorium. CMU walls with steel frame structure. |
| Weirton Elementary School Weirton, WV | Site civil design for a 105,300 sq.ft. elementary school, including two parking lots and access road. Drainage design included an underground stormwater detention system. |
| Cameron High School Cameron, WV | Site civil design for a 126,000 sq.ft. high school, including two parking lots and access road. The project also included a biological wastewater treatment plant. |
| Willamstown High School | Site civil design for renovations at the high school to provide parking and sidewalk improvements. Work also included a new tennis court and basketball court. |

Oak Glen High School
New Cumberland, WV

Site civil design for renovations and improvements to the high school multi-use stadium and athletic complex. Work included new parking areas, new sidewalks, artificial surface on the football field, synthetic surface on the running track, drainage, and water system improvements.

Hilltop Elementary School
Sherrard, WV

Site civil design for new elementary school including parking, sidewalks, storm drainage, water, and sanitary sewer. Work also included a package biological wastewater treatment plant.

Parkersburg High School
Parkersburg, WV

Site civil design for renovations to the high school including parking improvements, sidewalks, and drainage design.



KENNETH R. CROWE, P.E.
VICE PRESIDENT

EDUCATION:

West Virginia Institute of Technology
Bachelor of Science, Civil Engineering (1976)

REGISTRATIONS/AFFILIATIONS:

Registered Professional Engineer in
West Virginia (1980) and Virginia (1981)

EXPERIENCE:

Stafford Consultants Incorporated (1985 to present)
Gates Engineering Company (1981 to 1985)
Westmoreland Coal Company (1976 to 1981)

PROJECT MANAGER AND DESIGN ENGINEER:

- 25 projects for the WVDoH including Mullens Overhead Bridge, Cass Arch Bridge (*WVDoH Small Bridge Engineering Excellence Award Winner*), Mineral Wells I-77 Interchange Overpass Bridge (*WVDoH Small Bridge Engineering Achievement Award Finalist*), Camden Avenue I-77 Bridge, Devil's Backbone Bridge, Grapevine Creek Bridge (*WVDoH Small Roadway Engineering Excellence Award Winner*), North Lewisburg Road Widening (*WVDoH Small Roadway Engineering Achievement Award Finalist*), and Tabb's Station Bridge.
- WVDoH District 1 and District 7 Headquarters Buildings. District 7 and District 8 Equipment Buildings.
- Chuck Mathena Center for the Arts in Princeton, WV
- Merriman Athletic Facilities building at Virginia Tech in Blacksburg, VA
- Private skybox addition at Mountaineer Field at West Virginia University in Morgantown, WV
- Mercer County Health Center in Green Valley, WV
- Oakvale Elementary School in Oakvale, WV
- North Central Advanced Technology Center in Marion County, WV
- Marshall University married student housing renovations in Huntington, WV
- Marshall University weight training facility in Huntington, WV
- Concrete sequencing batch reactor tanks for wastewater treatment plant in Athens, WV
- Bluefield High School roof replacement in Bluefield, WV
- Elevated aluminum walkway at wastewater treatment plant in Hinton, WV
- Scoreboard support framing at football stadium at Marshall University in Huntington, WV
- Caisson foundation system for AEP service center building in Tazewell, VA



STACY A. FOWLER, P.E.
PROJECT MANAGER

EDUCATION:

Bluefield State College
BS, Civil Engineering Technology (1995)
University of Central Florida
Master of Science, Civil Engineering (2007)

REGISTRATIONS/AFFILIATIONS:

Registered Professional Engineer in West Virginia (2002),
Georgia (2003), and Florida (2007)

EXPERIENCE:

Stafford Consultants Incorporated (2009 to present)
Engineering Design and Construction, Inc. (2004-2009)
Port St. Lucie, FL Utility Systems Dept. (2001 to 2004)
Velcon Group, Incorporated (1998 to 2001)

Pentree, Inc. (1998)
Computects, Incorporated (1997-1998)
Visualizations, Incorporated (1995-1997)
Pentree, Inc. (1995)

PROJECT MANAGER AND DESIGNER:

- Meadow Bridge Sewer Improvements Project for the Town of Meadow Bridge, WV
- Mercer/Summers Phase IV-A Waterline Extension for Oakvale Road PSD – 8 miles of water main, storage tank and pressure reducing stations near Oakvale, WV
- Town of Rainelle Water System Expansion Project in Greenbrier County, WV
- Renovations to the Welch Water Treatment Plant for the City of Welch, WV
- Southern Grove Master Drainage Model for 3,600 acre development in Port St. Lucie, FL
- Tradition Operable Structures within the Tradition Development in Port St. Lucie, FL
- Tradition Master Control Structure spanning 50' wide drainage canal for 1,500 acre land development project in Port St. Lucie, FL
- Western Grove Master Drainage Model for 1,550 acre development in Port St. Lucie, FL
- Peacock Canal Relocation and Maintenance – included stream restoration and relocation for 3,000 acre land development in Port St. Lucie, FL
- Chester Brook Academy – paving, grading, and drainage plans along with permitting for 10,000 sq.ft. day care facility in Port St. Lucie, FL
- Port Consolidated – paving, grading, and drainage plans along with permitting for a 2 acre fueling station in Fort Pierce, FL
- B-Shaped Lake – construction plans, permitting, and contract administration for 2 acre, 80' deep lake for stormwater system in Port St. Lucie, FL



MATTHEW W. PETERS
PROJECT MANAGER

EDUCATION:

Bluefield State College
BS, Civil Engineering Technology (2010)
Bluefield State College
BS, Architectural Engineering Technology (2009)

REGISTRATIONS/AFFILIATIONS:

None

EXPERIENCE:

Stafford Consultants Incorporated (2009 to present)

TECHNICIAN AND DESIGNER:

- City of Princeton, Mercer County – wastewater treatment plant upgrade
- City of Welch, McDowell County – North Welch Wastewater Expansion
- City of Welch, McDowell County – Contracts 8B, 8C, 8D Stormwater/Sanitary Separation Projects
- Big Bend Public Service District, Summers County – water system expansion
- Town of Alderson, Greenbrier County – wastewater treatment plant upgrade
- City of Richwood, Nicholas County – Hinkle Mountain water system expansion
- Site location surveys for various projects



KEVIN G. SMITH
DESIGNER/CADD TECHNICIAN

EDUCATION:

Raleigh County Vocational Ed. Center (1979)

REGISTRATIONS/AFFILIATIONS:

Civil I and Civil II Certificates

EXPERIENCE:

Stafford Consultants Incorporated (1998 to present)
Computects and DBD Professional Group (1998)
G. A. Tice Incorporated (1992 to 1997)
ESP Associates (1986 to 1992)
G. O. Bledsoe Incorporated (1981 to 1986)
Holly, Kenny, Shott (1980 to 1981)

DESIGNER AND CADD TECHNICIAN:

Assists with all phases of project development, from initial site survey to preparation of base mapping, project layout (roadways, parking, water, and sewer), geometric layout, erosion & sediment control plans, profiles, structural plans, and detail sheets. Projects include:

- 12 projects for the WVDoH including Coalfields Expressway, Grapevine Creek Bridge, Hutchinson Branch Bridge, Cass Arch Bridge, Mullens Bridge, North Lewisburg Roadway Widening, Bellepoint Road Widening, West Webster Road Intersection, and Craigsville Intersection.
- Chapmanville Regional High School in Chapmanville, Logan County (site layout)
- Parkersburg South High School in Parkersburg, Wood County (site layout)
- Bayer Federal Credit Union in Moundsville, Marshall County (site layout)
- Hilltop Elementary School in Sherrard, Marshall County (site layout)
- Cameron High School in Cameron, Marshall County (site layout)
- Weir High School Stadium in Weirton, Hancock County (site layout)
- Oak Glen High School Stadium in New Manchester, Hancock County (site layout)
- Weirton Elementary School in Weirton, Hancock County (site layout)
- Oakvale Elementary School in Oakvale, Mercer County (site layout and structural)
- Mercer County Health Center in Green Valley, Mercer County (site layout and structural)
- North Central Advanced Technology Center in Fairmont, Marion County (structural)
- Brooke County Middle School in Wellsburg, Brooke County (site layout and Revit structural model)

BUILDINGS & STRUCTURES

PROJECT: Mathena Cultural Arts Center

Owner:

The Charles "Chuck" Mathena, II
Foundation

Location:

Princeton, West Virginia

Construction Cost:

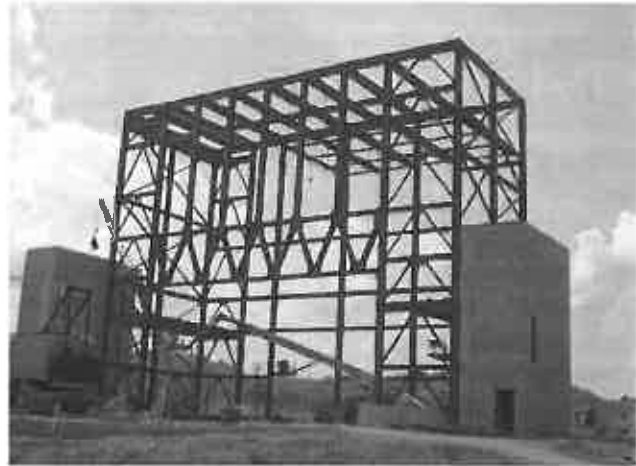
\$10 million

Project Architect-Engineers:

Stafford Consultants, Civil & Structural
In Association with E. T. Boggess,
Architect, Inc., Princeton, WV

Description:

Center for the performing arts and a
multi-use facility featuring a 1,000 seat
auditorium with stage and orchestra pit.
Includes meeting rooms and exhibit hall
with kitchen facilities for receptions,
banquets, etc.



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BUILDINGS & STRUCTURES

PROJECT: Weight Training Facility

Owner:
Marshall University

Location:
Huntington, WV

Construction Cost:
\$2.3 million

Project Architect-Engineers:
Stafford Consultants, Civil & Structural
In Association with Southern A&E
Atlanta, GA

Description:
13,000 sq.ft. weight training facility with
locker room, showers and offices.



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BUILDINGS & STRUCTURES

PROJECT: Merriman Athletic Facilities Building

Owner:
Virginia Tech

Location:
Blacksburg, Virginia

Construction Cost:
\$6.5 million

Project Architect-Engineers:
Stafford Consultants, Civil & Structural
In Association with Ward/Hall
Architects, Fairfax, VA

Description:
42,000 sq.ft. two story facilities building
located between Cassell Coliseum and
Lane Stadium. Contains weight training
facility, auditorium, offices, meeting
rooms, speed and agility gym and
awards exhibit hall.



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