omni
architects

Date:	Omni Project #	Project Name:
October 19, 2021		JFHQ TAG Wing Renovation Design Proposal

To:

Department of Administration
Purchasing Division
Attn: David Pauline
2019 Washington Street, East
Charleston, WV 25305

For Your...

☒ Use ☐ Approval ☐ Record ☐ Bid Due _____

The Following ...

☐ Drawings ☐ Change Order ☐ Specifications
☐ Contract ☐ Application for Payment ☐ Electronic Media (Disk/ CD/ Other)
☐ Shop Drawings ☒ Proposal ☐ <specify other>

Enclosures

Ref. #	Total Each	Description
1	2	Proposals for JFHQ TAG Wing Renovation Design
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

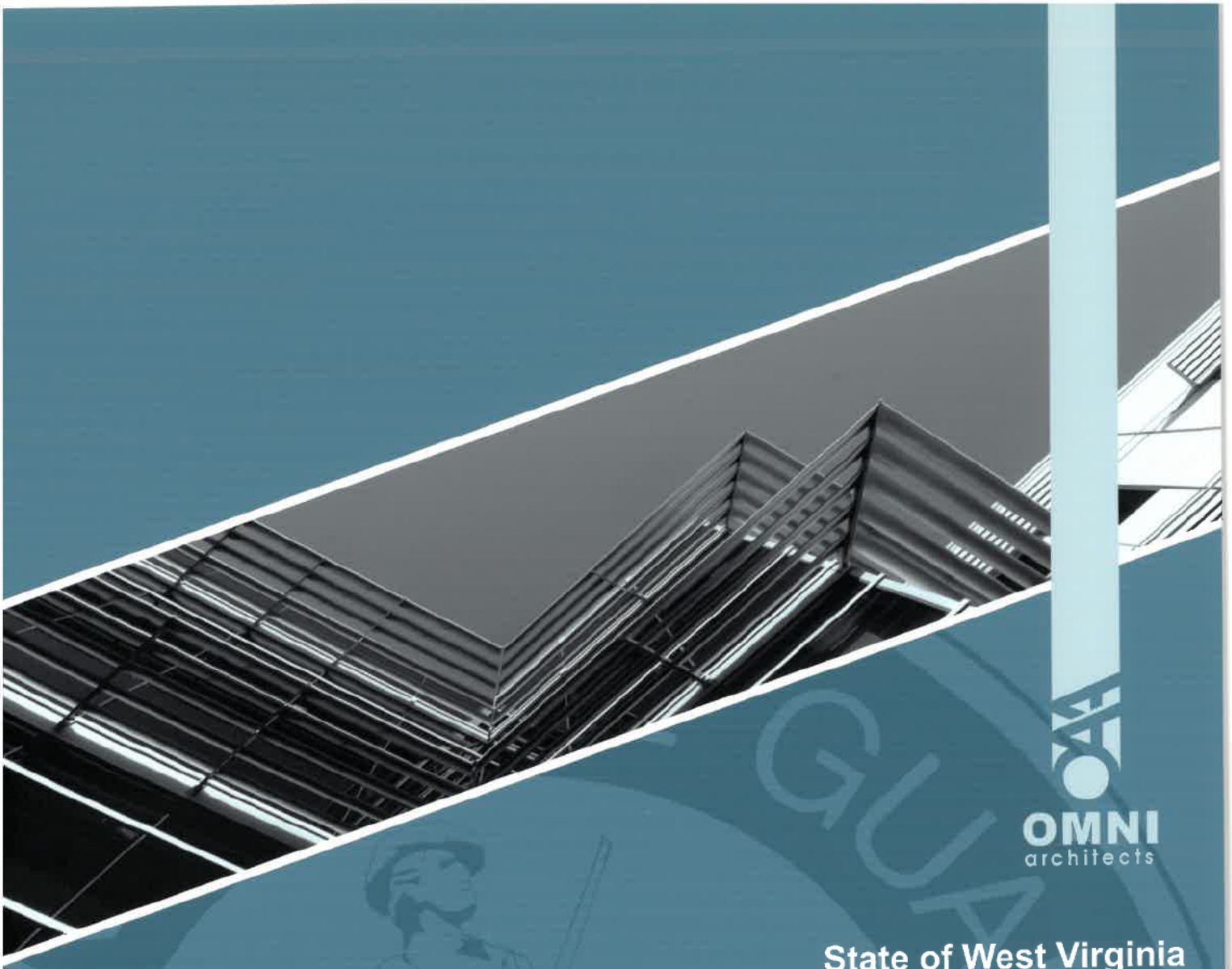
Remarks:

RECEIVED
2021 OCT 27 11:28:48
WV PURCHASING DIVISION

If enclosures are not as noted, please inform us immediately.
Omni Associates – Architects, Inc.
207 Jefferson Street
Fairmont, West Virginia 26554-2175
Issued By:

Shelly Mclaughlin-Snider (Voice) 304.367.1417

omni associates - architects, inc.
207 jefferson street • fairmont, wv 26554
P 304.367.1417 • P 855.367.1417 F 304.367.1418
omni411.com



OMNI architects

State of West Virginia

West Virginia Army National Guard

Construction and Facilities Management Office

JFHQ TAG Wing Renovation Design

CEOI 0603 ADJ2200000006

October 21,2021

Statement of Qualifications

EXPRESSION OF INTEREST

ARCHITECT AND ENGINEERING SERVICES

JFHQ TAG WING RENOVATION DESIGN

CEOI 0603 ADJ2200000006

OCTOBER 21, 2021

Table of Contents

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October 21, 2021

David H. Pauline, Senior Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: Solicitation No. CEOI 0603 ADJ2200000006 (JFHQ TAG Wing Renovation)

Dear Mr. Pauline:

Omni Associates-Architects, Inc. is pleased to submit our Proposal to provide architectural and engineering design services for the TAG Wing Renovation at the Joint Forces Headquarters Building in Charleston, WV.

Omni has extensive experience in designing and preparing construction documents for similar projects for the Federal General Services Administration, the WV Department of Administration, and the West Virginia Army National Guard, along with several other private sector clients.

Our team for this project would include **H.F. Lenz Company and Civil Environmental Consultants (CEC).** H.F. Lenz will provide complete MEP Engineering, while CEC would provide Civil Engineering services. We are intimately familiar with the JFHQ Building and all applicable codes and efficiency standards.

Omni Associates will serve as the lead firm and coordinator of architectural and engineering services. As Omni's Principal-in-Charge, I will guide this project from programming to construction administration in an efficient and effective manner and serve as the point-of-contact to the West Virginia Army National Guard.

Thank you for allowing us to present our credentials. We look forward to the opportunity to work with the WVARNG again.

Sincerely,
OMNI ASSOCIATES – ARCHITECTS, INC.

Richard T. Forren, AIA, NCARB
Principal

omni associates - architects, inc.
207 jefferson street • fairmont, wv 26554
V 304.367.1417 • V 855.367.1417 F 304.367.1418

omni411.com

DESIGN TEAM QUALIFICATIONS

OMNI ASSOCIATES - ARCHITECTS is an award-winning architectural firm located in Fairmont, West Virginia. Our approach to design has allowed us to avoid the confines of specialization and afforded us the opportunity and experience to create a diverse body of work.

Since the beginning in 1980, Omni has earned recognition for the programming, planning, and design of a variety of structures; which includes corporate office and governmental buildings, health care facilities and medical campuses, academic and educational buildings, recreational, religious, military and public safety facilities.

Our reputation and superior work product are the result of efficient and effective communication with our clients and consultants.

Each project is a unique undertaking that begins with analyzing the needs and desires of the client, and interpreting them into a distinctive design that exceeds expectations.

Omni has a successful history of designing intimately with each client and creating collaborative solutions that meet the project goals, resulting in an impressive record of customer satisfaction. These qualities that draw our clients back, resulting in lasting relationships.

Omni Associates provides clients with the results they value most: innovative designs consistent with the building program, cost effective designs which meet the budget, and efficient project management to provide on-time deliverables.

We firmly believe that the best gauge in determining our performance and abilities is the quality of the personnel of which we are comprised. Omni's greatest resource is our professional staff of dedicated, experienced, and creative individuals. Our project team goes beyond our in-house staff however. Omni carefully selects its project team based on each member's ability to add directly-related experience, ensuring our ability to meet the specific challenges and goals of each client.

Throughout our years of experience, we have worked with a variety of consultants specializing in structural engineering, civil engineering, mechanical and electrical engineering, and other disciplines as each project dictated. You can be assured that the consultants we select for your project are selected for their particular and relevant experience as well as their superior work ethic.

It is the mutual respect of each team member's skills and perspectives that enables the design process to conclude with a successful project of which we all can be proud.

In short, for each project we undertake at Omni, we carefully staff our teams, including in-house professionals and outside consultants, with the type of personnel we would want working for us, to work for you.

DESIGN TEAM QUALIFICATIONS cont'd

Omni Associates - Architects provides comprehensive, in-depth professional architectural services for new construction, renovation, addition, and adaptive reuse utilizing a variety of delivery methods to best serve our clients' needs.

Design-Bid-Build Delivery Method

Omni has performed private and public projects of every building type using this traditional method of project delivery. We organize your entire project in advance of bidding and work extensively with you to achieve alternates to program goals. Construction documents are prepared and bid to multiple general contractors to achieve competitive pricing. Omni has successfully negotiated with contractors to maintain changes and costs to a minimum and still achieve the initial time schedule.

Omni has also worked on "fast-track" and "multiple-prime" contract projects to achieve an accelerated building construction time schedule. As a variation of the traditional design-bid-build delivery, the negotiated select team approach allows for selection of a contractor early in the design process. We prepare construction drawings in stages and bid these "parts" of the total building program so construction can be ongoing as the next phase is programmed and designed. We have worked with General Contractors, Construction Managers and multiple prime subcontractors to successfully complete this type of project delivery.

Design-Build Delivery Method

More and more owners and developers are seeking a simpler delivery style with a single point of responsibility for both design and construction. Under design-build, a consolidated entity provides both design and construction services to the owner. A single contract is established between the owner and the architect–contractor or design-builder. Omni has experience with both scenarios and has contracted with owners and with general contractors to achieve this streamlined method of project de livery for two West Virginia schools as well as numerous private Owners. Additionally, Senior Principal, Richard T. Forren is a member of the West Virginia Design Build Board.

Construction Administration

Omni has worked on projects for only the construction phase of the total building life. This would include projects designed by another firm who needs local supervision or a "pre-designed" project from a national restaurant or store, which requires local implementation. Omni has also performed bank or financing inspections to determine the completion status of the project for periodic applications for payment.

ORGANIZATIONAL CHART

OMNI architects — Celebrating 40 years of design excellence.

PRINCIPAL OWNERSHIP

Richard T. Forren, President

Adam L. Rohaly, Vice President

John I. Rogers, III Member

David A. Stephenson, Sec/Tr

ARCHITECT EMERITUS

Stephen A. Barnum Founding Member | Est 1980

PRINCIPAL ARCHITECTS

Jason M. Miller

David E. Snider

INTERN ARCHITECTS

Jaime Ryan, LEED AP

Orin Oaks-Kincaid

Joshua Shinn

Sarah Bush

Mariah Falcon

REVIT OPERATORS

Reuben Losh, BIM Manager

Rich Greathouse

Dan Baldwin

Greg Morris

PROJECT SUPPORT

Shelly McLaughlin-Snider, Project Administrator

Eileen Layman, CPA

Colbi Dick, Accounting Manager

Lisa Bombardiere, Administrative Assistant

Riley Tonkery, FSU Student Intern

TECHNICAL EXPERIENCE

Upgrading existing technology and utilizing the latest design tools available is a key component of our business model. Technology facilitates innovative design, results in economic benefits for our clients, and enhances communication with clients and consultants.

BIM: Building Information Modeling

In 2006, Omni Associates began the transition from traditional CAD software to Autodesk® Revit® Building Information Modeling (BIM). We immediately recognized the basic benefits to both designers and owners: more efficient, cost -effective project delivery, and an accurate building model that can later assist in both energy analysis and building management.

Omni implemented the use of BIM as our primary software platform for all projects in 2006. In utilizing BIM, we discovered the real depth of its value.

With a virtual model of the building, clients can clearly see the design intent as the project progresses and design options can be explored with greater ease than ever before.

Sharing the model among all disciplines as the design progresses allows early input from all of the design professionals involved, resulting in efficient designs.

Creating a building in the virtual world before constructing it in the real world allows the de sign team to anticipate conflicts and objections before they arise, eliminating many issues which could result in project change orders or Requests For Information from the contractor.

Omni is proud to show that we do not just use Revit software, but we are adept at utilizing it, and can provide skilled support as needed. Omni Project Manager, Reuben Losh is now an Autodesk Revit Architecture 2011 Certified Associate.

Electronic Submission of Project Documents

Since 2007, Omni has utilized a web-based solution for secure file storage and project team collaboration. The site employs a simple and intuitive interface, similar to social net working sites, that is much easier to navigate than an FTP site. This encourages communi cation among team members while leveraging the security of data encryption and con trolled access.

This tool supports building information model ing (BIM) workflows and can be used through out all phases of a project for such tasks as file storage, RFI and Shop Drawing management, and project milestone track ing. Since these processes are electronic, the time it would take to mail or fax documents is eliminated and project information is central ized. Project information is hosted on secure third-party servers, which means that it is available to team members from wherever they have internet access. The Owner and Architect work together to determine to whom and to what extent site access is given.

PROJECT TEAM

OMNI architects

In order to guarantee a constant level of dedication and commitment, it is Omni's philosophy and practice that a Principal remains with the project from commencement to closeout. It is essential that a single individual be intimately involved in every aspect of the process to ensure the client's needs are being met in a timely and cost effect manner *and* that the Contract Documents reflect the intent as well as the content of the design.

Richard T. Forren will serve as Principal-in-Charge for your project. As the Principal-in-Charge Mr. Forren's primary responsibility is to develop the overall concept of design by performing technical tasks which include: Project space programming; Schematic layout of functional spaces; Aesthetic design and development; Concept and coordination of the project team.

Jason M. Miller, will serve as the Project Architect. Mr. Miller will work closely with Mr. Forren to ensure that the goals of the project are met, prepare preliminary and final documents as well as prepare and oversee all necessary construction documents, bidding documents, material specifications and perform construction administration.

CONSULTANTS

Throughout our years of experience, we have worked with a variety of consultants specializing in mechanical and electrical engineering, structural engineering, civil engineering, and other disciplines as each project dictated.

You can be assured that the consultants we select for your project(s) are selected for their particular and relevant experience as well as their superior work ethic.

It is the mutual respect of each team member's skills and perspectives that enables the design process to conclude with a successful project of which we all can be proud.

In short, for each project we undertake at Omni, we carefully staff our teams, including in-house professionals and outside consultants, with the type of personnel we would want working for us, to work for you. Omni has specifically chosen **H.F. Lenz Company to provide MEP Engineering services** for this project. Omni and Lenz share a long history of successful project collaboration. Like Omni, H.F. Lenz Company has completed several military projects for the Department of Defense, the West Virginia Army National Guard, the U.S. Army National Guard and the Pennsylvania Army National Guard among others.

Thomas F. Deter, P.E., LEED AP
Principal-in-Charge of MEP Systems

Mr. Deter has over 30 years of experience and is responsible for the engineering design of all trades and the supervision of senior designers. He has extensive experience in the design of building systems for both new buildings and building retrofits. He is experienced in the design of power distribution systems; emergency power systems and monitoring; uninterruptible power supplies; lighting and emergency lighting systems; fire alarm systems; security; sound and telephone systems.

John C. Stewart, P.E., LEED AP
Project Manager—Mechanical Engineer

Mr. Stewart has 34 years of experience in the design of HVAC, plumbing and fire protection systems. His responsibilities included code compliance verification, schematic layout, equipment selections, coordination, specification writing and cost estimating.

Steven P. Mulhollen, P.E.
Electrical Engineer

Mr. Mulhollen is experienced in the design of power distribution systems, control systems, emergency power systems, lighting and emergency lighting systems, fire alarms systems, security, sound and telecommunications for correctional, educational, military, governmental, industrial and health care facilities.

PROJECT TEAM cont'd

Gregory D. Rummel, CPD
Plumbing/Fire Protection Designer
Mr. Rummel has designed complete plumbing and fire protection systems for colleges, office buildings, military installations, prisons, hospitals, and industrial facilities. He is extremely knowledgeable of NFPA Codes and experience in the design of dry and wet systems.

Civil Environmental Consultants (CEC), has been selected by Omni to provide civil engineering services from the Bridgeport, WV Office location.

Steve A. Cain, P.E.
Vice President
Mr. Cain, a professional engineer with CEC, has more than 27 years of experience in civil engineering design and project management. Steve's experience in civil engineering design encompasses many aspects of civil engineering design including land surveying, mapping, site development, sanitary sewer system design, storm sewer system design, potable water distribution system design and hydraulic modeling.

David L. Watson
Senior Project Manager
Mr. Watson has 26 years of experience in the engineering and consulting industry servicing private commercial and government sectors. His project practice focus includes design and engineering of fluid hydraulics, hydraulic modeling, pumping stations, water distribution systems, and sanitary sewer collection systems. Mr. Watson's engineering experience includes: detailed engineering including water pipelines and pumping stations, water storage tanks, sanitary sewer collection systems and pumping stations, plans and specifications for bidding and construction, engineering cost estimating, bidding and procurement, project planning and permitting.

Johnstown Headquarters
1407 Scalp Avenue
Johnstown, PA 15904
Phone: 814-269-9300
Fax: 814-269-9301

Pittsburgh Office
1051 Brinton Road
Pittsburgh, PA 15221
Phone: 412-371-9073

Ohio Office
322 State Street
Conneaut, OH 44030
Phone: 440-599-7800
Fax: 440-599-7801

Connecticut Office
101 Centerpoint Drive
Suite 237
Middletown, CT 06457
Phone: 203-314-5523

H.F. Lenz Company

H.F. Lenz Company was established 1946 in its present form, under the name H.F. Lenz Company, R.E., and in 1953 the company was incorporated, as a Private Corporation, in Pennsylvania as H.F. Lenz Company. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed $530 million in MEP, Civil and Structural construction annually. Each market sector—corporate, government, health care, education, and industry—is served by a team of specialists who understand the unique needs of the clients they serve. Our staff consists of 150 individuals, including 50 Licensed Professional Engineers and 19 LEED Accredited Professionals. Our headquarters is in Johnstown, Pennsylvania with branch offices in Pittsburgh, Pennsylvania Conneaut, Ohio, and Middletown, Connecticut.

DISCIPLINES/SERVICES OFFERED IN-HOUSE INCLUDE:

- Mechanical Engineering
- Electrical Engineering
- Data/Communications Engineering
- Fire Protection / Life Safety Engineering
- Structural Engineering
- Civil Engineering
- Surveying
- GIS
- Construction Phase Services
- Commissioning and Training
- 3D CADD with Full Visualization
- Energy Modeling
- Sustainable design/LEED Services
- Building Information Modeling (BIM)

LEED®

Our firm has been a member of the U.S. Green Building Council since 2000 and we currently have 17 LEED® Accredited Professionals on staff. Our experience includes 80+ projects that have attained various levels of LEED Certification and numerous additional projects designed for various levels of LEED Certification, in total over 15 million sq.ft. of facilities.

EXPERIENCED PROJECT TEAM

The team that will serve on this contract is comprised of dedicated, multi-discipline individuals that have been working together for over a decade. Together they have taken on the challenges of numerous high profile, complex projects and have derived workable, cost-effective solutions that have met the objectives of the client. H.F. Lenz Company has provided engineering services for $100 million of construction for the Baltimore Corps of Engineers over the past 20 years including 7 indefinite delivery-type contracts and 11 new reserve centers, several of which were design/build projects. Our experience also includes the renovation of several reserve centers including Morelock and Copely Reserve Centers. We have also held six (6) previous IDTC's for Letterkenny under which we have completed numerous projects requiring a variety of engineering expertise.

FIRM PROFILE

Civil & Environmental Consultants, Inc.

WHO WE ARE.

Celebrating 30 years. We own it. The singular vision of our founders was to be a people-first company—one that promotes a culture where clients and employees enjoy working together and is responsive to client needs with integrated services and high-quality work for projects both complex and routine.

Thirty years later, Civil & Environmental Consultants, Inc. (CEC) is 1,000+ team members and 23 offices strong. Headquartered in Pittsburgh, Pennsylvania, we are consistently ranked on Engineering News-Record's annual lists of the Top Design Firms and Top Environmental Firms.

A culture of accountability. We own it. At CEC, every member of our team has a personal stake in ensuring the success of our clients. Because their success is our success. As employee-owners of the firm, we are all personally accountable for building lasting relationships and delivering outstanding results. Because we don't just work at CEC. We own it.

Being easy to work with. We own it. At other firms, you may find one person you work well with. Here, our clients tell us they work well with all of us. It's because all of us are invested in your success. We're accessible, responsive, and operate with integrity.

Putting people first. We own it. At CEC, people come first. Always. Whether that's our clients, our employees, or our community. It's why we listen more and work harder to understand the unique needs of our clients. And it's why we prioritize the career development of every individual on our team. People are why we do this, and why we love what we do.

Teamwork. We own it. We are at our best when we work together. That means bringing together a diverse team of talented, passionate, multidisciplinary experts to work closely alongside clients to craft comprehensive solutions to complex problems. We believe that by working together, no problem is insurmountable.

Safety Excellence. We own it. We believe all accidents are preventable and are committed to creating an accident- and incident-free workplace for employees and subcontractors through training, safe workplace practices, and processes for assessing project hazards. CEC strives for safety excellence throughout our entire organization and holds all individuals accountable for the safe performance of their work.

Multi-Disciplined
CEC is an expanding company that is home to:

- Agronomists/Soil Scientists
- Archaeologists/Architectural Historians
- Biologists
- Chemical Engineers
- Chemists
- Civil Engineers
- Commercial Pilots
- Construction Managers & Inspectors
- Ecologists
- Emissions Testing Professionals
- Environmental Engineers
- Environmental Scientists
- Geologists
- Geotechnical Engineers
- GIS Analysts & Programmers
- Hydrogeologists
- Hydrologists
- Land Surveyors
- Landscape Architects
- Planners
- Structural Engineers
- Threatened & Endangered Species Experts
- Transportation Engineers
- Wetland Scientists

RICHARD T. FORREN, AIA, NCARB

About:

Richard joined Omni Associates—Architects in 1984 and became a Principal and Owner in the firm in 1994. Richard recently retired as a Colonel from the United States Army Reserves. As the Principal-in-Charge, Richard's primary responsibility is to develop the overall concept of design by leading technical tasks which include: Project space programming with the client; Schematic layout of functional spaces;

Project Role: Principal in Charge

Education

Master of Architecture
Virginia Polytechnic Institute, 1983

BS, Civil Engineering Technology
Fairmont State College, 1980

Registration and Professional Affiliations

American Institute of Architects, Member

American Institute of Architects—West Virginia, Member

NCARB: National Council of Architectural Registration Boards

U.S. Green Building Council, Firm Membership

Associated Builders and Contractors Inc., Firm Membership

International Association of Emergency Managers, Member

International Council of Shopping Centers, Member

Association for Learning Environments, Member

Registered in West Virginia, Pennsylvania, Ohio, Kentucky, Florida, New Jersey, Michigan and Virginia.

President of the WV Board of Architects

Member City of Bridgeport Emergency Services Council

Select Project Experience

West Virginia State Office Complex
Fairmont, WV

Mon Power Regional Headquarters
Fairmont, WV

General Services Administration
Federal Building Renovations
Wheeling, WV
Martinsburg, WV
Huntington, WV
Beckley, WV

Armed Forces Readiness Center
Buckhannon, WV

Armed Forces Readiness Center
Fairmont, WV

Armed Forces Readiness Center
Eleanor, WV

JASON M. MILLER, AIA, NCARB

About:

Jason joined Omni in 2007 and became a Principal Architect in the firm in 2015. Known as one of Omni's most creative and talented designers, Jason's practice includes diverse types of educational and governmental facilities as well as in-depth experience with military and commercial office design.

Project Role: Project Manager

Education

Master of Architecture - Virginia Polytechnic Institute, 2004

B.S. Engineering Technology (Architecture) - Fairmont State College, 2002

Registration and Professional Affiliations

American Institute of Architects, Member American Institute of Architects—West Virginia, Member

Accredited Learning Environment Planner (ALEP)

U.S. Green Building Council, Firm Membership

Associated Builders and Contractors, Firm Member-ship

Registered in West Virginia and Pennslyvania

Select Project Experience

Buckhannon Armed Forces Readiness Center
Buckhannon, WV

Dick's Sporting Goods Corporate Daycare
Coraopolis, PA

Charleston Federal GSA Building
Charleston, WV

Confidential Federal Agency
Clarksburg, WV

West Virginia University Child Development Center
Morgantown, WV

NASA and National White Collar Crime
Fairmont, WV

Morgantown Utility Board Renovations
Morgantown, WV

EDUCATION
Bachelor of Science, Electrical Engineering Technology, 1987, University of Pittsburgh at Johnstown

EXPERIENCE
H.F. Lenz Company 1992-Present • Parfitt/Ling Consulting Engineers 1990-1992 • Gary Johnston & Assoc., Inc. 1987-1990

PROFESSIONAL REGISTRATION / CERTIFICATION
Licensed Professional Engineer in Pennsylvania, Arkansas, Idaho Illinois, Indiana, Maryland, Nebraska, New Jersey, North Carolina, Ohio, Oklahoma, Oregon, South Dakota, Virginia, and West Virginia • LEED Accredited Professional

PROFESSIONAL AFFILIATIONS
NSPE/PSPE • U.S. Green Building Council

Thomas F. Deter, P.E., LEED AP
Principal-in-Charge of MEP Systems Engineering

Mr. Deter has over 30 years of experience and is responsible for the engineering design of all trades, the supervision of senior designers, the preparation of reports to determine optimal systems and/or equipment selections, and the coordination and checking of contract documents for completeness and quality. He has extensive experience in the design of building systems for both new buildings and building retrofits for educational, health care, commercial, government, industrial, residential, and utility related facilities. He is experienced in the design of power distribution systems; emergency power systems and monitoring; uninterruptible power supplies; lighting and emergency lighting systems; fire alarm systems; security; sound; and telephone systems.

PROJECT EXPERIENCE

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia

- Three new billeting facilities

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania

- Rehabilitation of New Castle Readiness Center
- Rehabilitation of Crane Readiness Center

Letterkenny Army Depot, Chambersburg, Pennsylvania

- Over 100 projects completed under seven consecutive term contracts
- Rocket Army Munititions Center (LEMC), AP Rocket Motor Destruction Facility, Phase I
- Building 1, New SCIF

U.S. Army Reserve Aviation Center, Weirton, West Virginia

- Design/build training building with classrooms, assembly hall, arms vault, armorer, weaponeer room, and Comsec training area, and a 6,300 sq.ft. OMS

U.S. Army Reserve Center, Wheeling, West Virginia

- Design/build training building with classrooms, administrative areas, library, assembly hall, weaponeer room and medical section, and 17,000 sq.ft. OMS/AMSA

911th Airlift Wing, U.S. Air Force Reserve, Greater Pittsburgh International Airport, Coraopolis, Pennsylvania

- Various renovations and new construction under two term contracts

RESUME

EDUCATION

Master of Science, Mechanical Engineering, 1995, University of Pittsburgh

Graduate Courses in Facilities Engineering, 1984-1987, Air Force Institute of Technology

Bachelor of Science, Mechanical Engineering, 1984, University of Pittsburgh

EXPERIENCE

H.F. Lenz Company 1995 – Present / Peter F. Loftus Division, Eichleay Engineers, Inc. 1989 – 1996 / Newport News Shipbuilding 1988 – 1989 / U.S. Air Force 1984 – 1988

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in Pennsylvania; LEED Accredited Professional

PROFESSIONAL AFFILIATIONS

American Society of Heating, Refrigerating, and Air-Conditioning Engineers; APPA; U.S. Green Buildings Council

John C. Stewart, P.E., LEED AP

Mechanical Engineer

Mr. Stewart has 34 years of experience in the design of HVAC, plumbing, and fire protection systems. His responsibilities have included code compliance verification, schematic layout, calculations, equipment selection, control system selection, specification writing, coordination, life cycle cost analyses, and cost estimating. His experience includes the design of mechanical systems for laboratories, hospitals, educational facilities, industrial plants, and military installations. He has also been involved in the design of chiller and boiler plants.

PROJECT EXPERIENCE

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia

- Three new billeting facilities

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania

- Rehabilitation of New Castle Readiness Center
- Rehabilitation of Crane Readiness Center

Letterkenny Army Depot, Chambersburg, Pennsylvania

- Over 100 projects completed under seven consecutive term contracts
- Building 1, New SCIF

911th Airlift Wing, U.S. Air Force Reserve, Greater Pittsburgh International Airport, Coraopolis, Pennsylvania

- Various renovations and new construction under two term contracts

Walter Reed Army Medical Center

- Renovation and upgrade to Building 12, Provost Marshal's Facility
- Repair and upgrade of the main steam distribution system from the Garrison's Steam Plant, Building 15, to the Main Hospital building, Building 2

Pennsylvania National Guard, Johnstown, Pennsylvania

- New Regional Maintenance Facility with 23,560 sq.ft. maintenance shop. The project included flammable storage, general storage areas, and an on-site fuel dispensing station

Ohio National Guard, Akron-Canton Regional Airport, Akron, Ohio

- New 26,400 sq.ft. aircraft storage facility and partial demolition, expansion, and renovations to the existing hangar. The project included the design of a new fire suppression system

RESUME

Steven P. Mulhollen, P.E.

Electrical Engineer

Mr. Mulhollen is experienced in the design of power distribution systems, control systems, emergency power systems, lighting and emergency lighting systems, fire alarm systems, security, sound, and telecommunication systems for correctional, educational, institutional, industrial, health care, and commercial facilities.

Education

Bachelor of Science, Electrical Engineering, 1988, The Pennsylvania State University

Experience

H.F. Lenz Company 1999 – Present • L. Robert Kimball & Associates 1996 – 1999 • Leach Wallace Associates, Inc. 1990 – 1996 • E.A. Mueller, Inc. 1988 - 1990

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania, Alabama, California, Florida, Iowa, Kansas, Kentucky, Louisiana, Massachusetts, Maryland, Missouri, Nebraska, Nevada, New Jersey, New Mexico, New York, North Carolina, Ohio, Rhode Island, Tennessee, West Virginia, DC

Professional Affiliations

Institute of Electrical and Electronics Engineers, Inc.

Project Experience

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia

- Three new billeting facilities

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania

- Rehabilitation of New Castle Readiness Center
- Rehabilitation of Crane Readiness Center

Letterkenny Army Depot, Chambersburg, Pennsylvania

- Over 100 projects completed under seven consecutive term contracts
- Rocket Army Munititions Center (LEMC), AP Rocket Motor Destruction Facility, Phase I
- Building 1, New SCIF

Pennsylvania National Guard, Johnstown, Pennsylvania

- New Regional Maintenance Facility with 23,560 sq.ft. maintenance shop. The project included flammable storage, general storage areas, and an on-site fuel dispensing station

Ohio National Guard, Akron-Canton Regional Airport, Akron, Ohio

- New 26,400 sq.ft. aircraft storage facility and partial demolition, expansion, and renovations to the existing hangar. The project included the design of a new fire suppression system

911th Airlift Wing, U.S. Air Force Reserve, Greater Pittsburgh International Airport, Coraopolis, Pennsylvania

- Various renovations and new construction under two term contracts
- Primary underground site investigation, mechanical, plumbing, electrical, land survey and utility location consulting for 4160V electrical relocation

Pennsylvania State Capitol Complex, Harrisburg, Pennsylvania

- Mail Facility Renovations

RESUME

Gregory D. Rummel, CPD

Plumbing/Fire Protection Designer

Mr. Rummel has designed complete plumbing and fire protection systems for colleges, schools, office buildings, hospitals, prisons, laboratories, industrial facilities, and military installations. He is fully knowledgeable of NFPA codes and is experienced in the design of wet, dry, preaction, FM200, and deluge fire protection systems. He is responsible for plumbing and sprinkler system design, layout, and calculations; selection and sizing of equipment; cost estimates; and site survey work. Mr. Rummel supervises drafting personnel; coordinates the plumbing design with utility companies, with other trades, and with the Project Engineer and Project Architect; and is responsible for assembling complete and accurate plumbing bid documents which meet H.F. Lenz Company standards.

Education

Bachelor of Science, Mechanical Engineering Technology, 2000, Point Park College

Associate in Specialized Technology 1984, Architectural Drafting and Construction with CAD Technology, Triangle Institute of Technology

Experience

H.F. Lenz Company 1989- Present • Newport News Ship Building 1984-1989

Professional Registration / Certification

Certified in Plumbing Design, ASPE

Project Experience

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia

- Three new billeting facilities

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania

- Rehabilitation of New Castle Readiness Center
- Rehabilitation of Crane Readiness Center

Letterkenny Army Depot, Chambersburg, Pennsylvania

- Over 100 projects completed under seven consecutive term contracts

U.S. Army Reserve Aviation Center, Weirton, West Virginia

- Design/build training building with classrooms, assembly hall, arms vault, armorer, weaponeer room, and Comsec training area, and a 6,300 sq.ft. OMS

U.S. Army Reserve Center, Wheeling, West Virginia

- Design/build training building with classrooms, administrative areas, library, assembly hall, weaponeer room and medical section, and 17,000 sq.ft. OMS/AMSA

911th Airlift Wing, U.S. Air Force Reserve, Greater Pittsburgh International Airport, Coraopolis, Pennsylvania

- Various renovations and new construction under two term contracts

Pennsylvania National Guard, Johnstown, Pennsylvania

- New Regional Maintenance Facility with 23,560 sq.ft. maintenance shop. The project included flammable storage, general storage areas, and an on-site fuel dispensing station

RESUME

Steve A. Cain, P.E.
Vice President

5 YEARS WITH CEC

OFFICE: Bridgeport, WV

ROLE IN PROJECT: Site | Civil Engineering

EDUCATION

B.S., Engineering Technology - (Civil Emphasis), Fairmont State University, 1992

REGISTRATIONS

Professional Engineer
- WV [redacted]
- PA [redacted]
- MD [redacted]

Mr. Cain, a professional engineer with CEC, has more than 27 years of experience in civil engineering design and project management. Steve's experience in civil engineering design encompasses many aspects of civil engineering design including land surveying, mapping, site development, sanitary sewer system design, storm sewer system design, potable water distribution system design and hydraulic modeling. Additionally, Steve also has experience in water treatment system design and rehabilitation as well as wastewater treatment design.

Steve has also spent a large part of his career in managing projects from conception to completion. As a project manager Steve has assisted clients in identifying potential project needs, assisting the client in securing project funds, performed and directed detail design, and participated in and managed construction activities.

PROJECT EXPERIENCE

Ray Dental Office, Linda Ray, DDS, Pleasant Valley, WV*
Steve was the Project Manager for the preparation of a site plan and West Virginia Department of Environmental Protection Erosion and Sediment Control permit application for the proposed site development of the Linda Ray (Owner) dental office to be located on Lot No. 5 of the Valley Industrial Park Phase II.

Fisher Mountain Estates, LGI, Pendleton County, WV*
Steve was the Assistant Project Manager for a 1000-lot residential subdivision which includes conceptual land plans, final construction drawings for roads, utilities, water treatment plant and storage tanks, wastewater treatment plant, and permitting.
** Work performed prior to joining CEC*

David L. Watson
Senior Project Manager

26 YEARS OF EXPERIENCE

EDUCATION

B.S., Civil Engineering Technology, Fairmont State University, 1995

Mr. Watson has 26 years of experience in the engineering and consulting industry servicing private commercial and government sectors. His project practice focus includes design and engineering of fluid hydraulics, hydraulic modeling, pumping stations, water distribution systems, and sanitary sewer collection systems. Mr. Watson's engineering experience includes: detailed engineering including water pipelines and pumping stations, water storage tanks, sanitary sewer collection systems and pumping stations, plans and specifications for bidding and construction, engineering cost estimating, bidding and procurement, project planning and permitting. He has worked on numerous projects involving wastewater and potable water in West Virginia.

PROJECT EXPERIENCE

Town of Monongah Water System Improvements, Town of Monongah, Marion County, West Virginia*
Role: Project Manager
Served as Project Manager for a $7 million dollar project that consisted of replacing 70,000 LF of water lines ranging from 2" to 12", construction of two (2) 530,000 gallon water storage tanks, one (1) 185,000 gallon water storage tank, painting of a 300,000 gallon and a 175,000 gallon water storage tank, replacement of 350 water meters, installation of a backwash pump building at the water treatment plant, and upgrades to the telemetering system.

Midland Public Service District Kelley Mountain Water Line Extension, Midland Public Service District, Midland Public Service District*
Role: Project Manager
Served as Project Manager for a $5 million dollar project that consisted of installing 75,000 LF of new water lines ranging from 2" to 6" to serve 120 new customers, construction of a 43,000 gallon and 105,000 gallon water storage tanks, 155 GPM booster pump station, 135 GPM booster pump station, 55 GPM booster pump station, nine (9) pressure reducing valve vaults, and telemetering system.

City of Mannington Sanitary Sewer Extension to North Marion High School (NMHS), City of Mannington, City of Mannington*
Role: Project Manager
Served as Project Manager for a $3 million dollar project that consisted of installing a 60 GPM sanitary sewage grinder pump station at NMHS and the installation of 7,000 LF of 3" HDPE force main pipe. Upgrades were performed at the Mannington Wastewater Treatment Plant consisting of the following: New headworks screening unit, upgraded the existing site lift station, installation of new weirs for clarifiers, removal and replacement of return activated sludge (RAS) pumps, replacement of rotors in oxidation ditch, and a new roof on the office / lab building.

Marion County Board of Education (MCBOE) - North Marion High School Grinder Pump Stations, Marion County Board of Education, Rachel, West Virginia*
Role: Project Manager
Served as Project Manager for a $120,000 project that consisted of installing two (2) duplex grinder pump stations to provide sanitary sewer service to the NMHS Football Field. Also, 1,500 LF of 1.5" HDPE force main pipe was installed along with three (3) sanitary manholes.

WV GENERAL SERVICES ADMINISTRATION
State Office Complex

Fairmont, WV

Omni Associates—Architects was selected by the West Virginia General Services Division to provide full architectural and engineering services for a new state office building located in downtown Fairmont.

It was important that the new building fit within the context of the downtown area's historical buildings while reflecting an era of progress and new growth. To that end, the building's exterior features traditional brick and cast stone masonry integrated with insulated formed metal panels and an aluminum curtainwall.

The building will be occupied by eight state agencies, programming services included interviews of the individual agencies to determine the specific requirements of each. Interior fit-outs include a variety of user-specific spaces including training rooms, interview rooms, waiting areas, individual offices, large open offices, break rooms, and kitchenettes.

Omni also provided all necessary surveying of the site, and all existing infrastructure systems and material to determine appropriateness for construction. Pre-construction services also included the verification, coordination, and documentation of extensions, tie-ins, and relocations of all utilities as well as an extensive demolition package released prior to the new construction package.

In addition to compliance with all applicable local, State, and Federal regulations as well as ADA requirements, the Owner requested that the building be designed with the goal of achieving LEED™ Silver certification. Current calculations suggest the project could achieve LEED Gold.

Services Provided
Architectural Design

Project Delivery Method
Design Bid Build

Year Completed
2017

Project Cost
$ 17.6 million

Project Size
70,742 SF

WEST VIRGINIA GENERAL SERVICES ADMINISTRATION

State Office Complex

Fairmont, WV

Services Provided: Architectural Design
Project Delivery Method: Design Bid Build
Year Completed: 2017

Project Cost: $17.6million
Project Size: 70,742 SF

WEST VIRGINIA ARMY NATIONAL GUARD
Buckhannon Readiness Center

Buckhannon, WV

The Buckhannon Army National Guard Readiness Center is a dual-use building funded by a combination of Federal, State, and local money. The 37,000 sf facility houses three units of the West Virginia Army National Guard (WVARNG) and serves the public sector of Upshur County with a multi-purpose conference center. These dual purposes are reflected in the basic design.

The two functional areas are located in separate wings spanning east and west from the main lobby entrance with clear distinctions between public and private spaces. The west wing is a public conference center, which, through the use of operable partitions, can be configured any number of ways to allow for educational, business, community, and private events. The two-story east wing houses the WVARNG units. It includes office space, a classroom, storage, sleeping rooms, fitness room, and locker rooms.

This project was designed and constructed to achieve LEED® Silver certification. Cost effective energy conserving features include energy management control systems and high efficiency motors, lighting, and HVAC systems

Services Provided
Architectural Design

Project Delivery Method
Design Bid Build

Year Completed
2017

Project Cost
$ 13.2 million

Project Size
37,000 SF

OMNI
ARCHITECTS

WEST VIRGINIA ARMY NATIONAL GUARD

Buckhannon Readiness Center

Buckhannon , WV

Services Provided: Architectural Design
Project Delivery Method: Design Bid Build
Year Completed: 2017
Project Cost: $ 17.2 million
Project Size: 37,000 SF

WEST VIRGINIA ARMY NATIONAL GUARD

Fairmont Readiness Center

Fairmont, WV

The specially designed AFRC is permanent masonry type construction with standing seam roof, concrete floors, and mechanical and electrical equipments with emergency power generator backup. This 150 member training facility includes administrative, educational, assembly, library, learning center, vault, weapons simulator and physical fitness areas for one each WVARNG and USAR units. The maintenance shop provides work bays and maintenance administrative support. The project provided for adequate parking space for all military and privately owned vehicles.

This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123.

Supporting facilities include weapons cleaning, maintenance, issue, turn-in sheds, access roads, security fencing and dark motor pool lighting, vehicle wash system and pump house, fuel storage and dispensing systems, loading ramp, flammable materials storage building, controlled waste handling facility, and sidewalks. Extension of gas, electric, sewer, water and communication utilities to the building site is included. Physical security measures include maximum feasible standoff distance from roads, parking areas, and vehicle unloading areas, beams, heavy landscaping and bollards to prevent access when standoff distance cannot be maintained. Cost effective energy conserving features are incorporated into design.

Services Provided
Architectural Design

Project Delivery Method
Design Bid Build

Year Completed
2015

Project Cost
$ 25 million

Project Size
91,500 SF

MON POWER REGIONAL HEADQUARTERS

Allegheny Energy Transmission Headquarters

Fairmont, WV

Services Provided: Architectural Design
Project Delivery Method: Design Build
Year Completed: 2010
Project Cost: $ 35 million
Project Size: 148,000 SF

OMNI
ARCHITECTS

SHAFT DRILLERS
International Headquarters

Mt. Morris, PA

Services Provided: Architectural Design
Project Delivery Method: Design Build
Year Completed: 2011
Project Cost: $ 6 million
Project Size: 40,000 SF

Department of Defense Facilities

U.S. Army Corps Of Engineers, Baltimore

Army Reserve Aviation Facility *Johnstown, Pennsylvania*

› New 120,000 sq.ft. multi-building complex including an armed forces reserve center and an aviation maintenance shop

Army Reserve Center *Beckley, West Virginia*

› New 300-member reserve center with training building and maintenance shop

Army Reserve Center *Morgantown, West Virginia*

› New 300-member reserve center with training building and maintenance shop

Army Reserve Center *Wheeling, West Virginia*

› New 284-member reserve center with training building and maintenance shop

Army Reserve Center *Rainelle, West Virginia*

› New 200-member reserve center with training building and maintenance shop

Army Reserve Center *Weirton, West Virginia*

› New 200-member reserve center with training building and maintenance shop

Army Reserve Center *Brownsville, Pennsylvania*

› New 200-member reserve center with training building and maintenance shop

Army Reserve Center *Johnstown, Pennsylvania*

› New 200-member reserve center with training building and maintenance shop

Army Reserve Center *Kingwood, West Virginia*

› Maintenance shop

Army Reserve Center *Grantsville, West Virginia*

› New 100-member reserve center with training building and maintenance shop

Army Reserve Center *Elkins, West Virginia*

› New 60-member reserve centers with training building and maintenance shop

MORLOCK ARMY RESERVE CENTER *Pittsburgh, Pennsylvania*

› HVAC modifications

COPELY ARMY RESERVE CENTER *Oil City, Pennsylvania*

› Boiler addition

STEELE ARMY RESERVE CENTER *Pittsburgh, Pennsylvania*

› Complete HVAC system replacement

CAMP DAWSON *Kingwood, West Virginia*

› Three new billeting facilities

LETTERKENNY ARMY DEPOT *Chambersburg, Pennsylvania*

› Seven indefinite-delivery contracts for mechanical, electrical, civil, and structural engineering and surveying services

FORT RICHIE *Fort Ritchie, Maryland*

› Two indefinite-delivery contracts for mechanical, electrical, civil, and structural engineering and surveying services

AMMUNITION PLANT *Scranton, Pennsylvania*

› Upgrade lighting system in production shop

911 AIRLIFT GROUP, GREATER PITTSBURGH INTERNATIONAL AIRPORT *Pittsburgh, Pennsylvania*

› Study and design of new Base Civil Engineer Facility

› Indefinite delivery contract for architectural and engineering services

U.S. ARMY CORPS OF ENGINEERS, NORFOLK

WALTER REED ARMY MEDICAL CENTER *Washington, D.C.*

› Energy engineering analysis program, main hospital building

U.S. ARMY CORPS OF ENGINEERS, PHILADELPHIA

PHILADELPHIA, PENNSYLVANIA

› Tenant fit-up

PA DEPARTMENT OF MILITARY AFFAIRS

FORD CITY ARMORY *Ford City, Pennsylvania*

› New 24,400 sq.ft. training center with classrooms and kitchen/dining facilities

Naval Facilities Engineering Command (NAVFAC), Northern Division

Naval Air Station *Lakehurst, New Jersey*

› Air conditioning tune-up study

Naval Ship Parts Control Center *Mechanicsburg, Pennsylvania*

› Administrative facility improvements

Naval Facilities Engineering Command (NAVFAC), Chesapeake & Atlantic Division

Naval Research Laboratory *Washington, D.C.*

› Three indefinite delivery contracts for mechanical, electrical, and structural engineering services (Chesapeake Division)

Oceana Naval Station *Virginia Beach, Virginia*

› Energy monitoring and control system

› Boiler plant modifications (Atlantic Division)

Naval Facilities Engineering Command (NAVFAC), Southeast Division

P-8A Integrated Simulation/Training Center *Jacksonville, Florida*

› New $42.5 million, 165,000 sq.ft. operational training facility for a new Multi-Mission Maritime Aircraft (MMA)/P8-A located at the Naval Air Station; Project goal is LEED Gold

Department Of General Services

Pennsylvania National Guard *Johnstown, Pennsylvania*

› New 23,560 sq.ft. Regional Maintenance Facility

Pennsylvania Army National Guard, 128th Brigade Support Battalion

› Renovation of the 26,700 sq.ft. Crane Readiness Center which houses 250 soldiers

Pennsylvania Army National Guard, 107th Field Artillery Battalion

› Rehabilitation of 23,000 sq.ft. New Castle Readiness Center which houses approximately 120 soldiers