

**GPD GROUP.**  
Glaus, Pyle, Schamer, Burns & DeHaven, Inc.

**Columbus Office**

1801 Watermark Drive  
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Columbus, OH 43215

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[www.gpdgroup.com](http://www.gpdgroup.com)

Ms. Stephanie L. Gale  
State of West Virginia  
Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

August 29, 2018  
1825036.01

**CEOI 0603 ADJ 1900000005**  
**Camp Dawson Barracks Building 246 Renovations**

Dear Ms. Gale,

**GPD Group (GPD)** is pleased to submit this expression of interest to the State of West Virginia and the West Virginia Army National Guard (WVARNG) for professional design services. We are an employee-owned, full-service A&E firm with over 600 design professionals nationwide. The wide variety of experience, skills and training that our staff brings to the table enables us to provide successful, timely designs that will meet your needs.

With over 55 years of experience, GPD understands project goals, issues, and constraints on your time and budget like no other consultant. We will deliver project success by:

- Committing the leadership of Rick DeMarco as project manager. He brings over 25 years of architectural project design experience from project management through construction administration including his knowledge and experience with the WVARNG and renovations requiring multiple disciplines of architecture and engineering;
- Developing a design that produces an implementable and constructable plan that considers the impact of not just pure construction costs but soft costs and other hidden costs typically associated with maintaining operations during construction, all critical to project costs; and
- Designing secure facilities that embody the needs of the mission for which they represent. Our design plan focuses on resolving not only today's needs but maintaining flexibility to address tomorrow's uses.

We appreciate this opportunity to submit our qualifications and welcome the possibility of working together. If you need additional information or have any questions, please feel free to contact Project Manager Rick DeMarco at 330.572.2100 ext. 8689 or [rdemarco@gpdgroup.com](mailto:rdemarco@gpdgroup.com) or visit us on the web at [www.gpdgroup.com](http://www.gpdgroup.com)

Sincerely,

GPD Group

Brian Hagemeyer, PE, LEED® AP  
Principal

GPD Group

Rick DeMarco, RA  
Project Manager

RECEIVED  
2018 AUG 28 AM 9:34  
WV PURCHASING  
DIVISION

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CE01 0603 ADJ 1900000005**

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

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

**Addendum Numbers Received:**

*(Check the box next to each addendum received)*

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input checked="" 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.

GPD Group

Company



Authorized Signature

August 24, 2018

Date

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

**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.

Brian Hagemeyer  
(Name, Title)

Brian Hagemeyer, Principal  
(Printed Name and Title)


1801 Watermark Drive, Suite 210, Columbus, Ohio 43215  
(Address)

614.210.0751 | 614.210.0752  
(Phone Number) / (Fax Number)

bhagemeyer@gpdgroup.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 here in; that I am submitting 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.

GPD Group  
(Company)

  
(Authorized Signature) (Representative Name, Title)

Jim Shives, Treasurer  
(Printed Name and Title of Authorized Representative)

August 27, 2018  
(Date)

330.572.2100 | 330.572.2101  
(Phone Number) (Fax Number)

Revised 06/08/2018

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# FIRM OVERVIEW

GPD Group (GPD) has been proudly providing architecture and engineering services to public and private sector clients for over 55 years. We established roots in Akron in 1961, and today, through our employee ownership structure, dedication and hard work, have grown to a firm of over 600 professionals located in 14 offices throughout the United States.

We specialize in the areas of architecture, engineering, construction management, site development and related services such as geotechnical studies, land survey and environmental. Our company services various market sectors that include federal, public buildings, education, housing, healthcare, parks and recreation, water resources, power distribution / generation, public works, transportation, retail / commercial, site development and utility services.

GPD clients benefit from our broad-based experience and a unique set of capabilities. Our full service, employee-owned approach to design solutions and our ability to draw from our diverse talent pool of community-minded people clearly differentiates us from our competitors.

## FULL-SERVICE

GPD is a full-service architecture and engineering firm committed to providing the highest quality architectural and engineering services. We provide professional services for projects requiring a comprehensive range of professional planning and design, systems engineering, technical assistance, program and construction management, and operations and maintenance services.

## DIVERSITY

For GPD, the goal of diversity is to mirror the rich cultural diversity of the communities we serve and live in. We see diversity as more than just policies and practices. It is an integral part of who we are as a company, how we operate and how we see our future. Diversity is not solely a gender / culture issue but one that includes varied perspectives. Through these perspectives we improve employee creativity and develop unique approaches for our clients.

## EMPLOYEE-OWNED

What does this mean for our customers? Fewer managerial barriers in the way of leading-edge design solutions; the best and brightest talent; and, employees who are engaged and excited to work on your project. We are stronger because we are united in our mission to serve our clients and the knowledge that our clients are satisfied is the true measurement of our success.

## COMMUNITY

It's very important to all of us at GPD to be responsible and caring stewards in the communities where we work and live. We support a variety of local charities, and we are actively working on many community projects. To further our philanthropic spirit, we have created "The GPD Group Employees' Foundation". Through this foundation we seek to make a difference in the lives of children by enhancing public education in K-12 schools and assisting at-risk children or those with medical and special needs. Our contributions will serve:



# GPD HISTORY

1960s	<ul style="list-style-type: none"> <li>Establishes roots in Akron, OH</li> <li>Starts with five partners (and five employees)</li> </ul>
1970s	<ul style="list-style-type: none"> <li>Develops solid reputation for major highway and power plant design</li> <li>Grows to 150+ employees by the end of the decade</li> </ul>
1980s	<ul style="list-style-type: none"> <li>Offers turnkey Construction Services</li> <li>Becomes employee-owned following a buyout of the original partners</li> </ul>
1990s	<ul style="list-style-type: none"> <li>Opens Indianapolis, IN office</li> <li>Increases presence in retail, telecommunication and education markets</li> </ul>
2000s	<ul style="list-style-type: none"> <li>Opens branch office in Ohio's capital – focuses on transportation, public works and parks &amp; rec</li> <li>Expands national reach with offices opening in Seattle, WA, Phoenix, AZ and Atlanta, GA</li> </ul>
2010 - PRESENT	<ul style="list-style-type: none"> <li>Strengthens presence in healthcare market</li> <li>Offers in-house environmental services</li> <li>Adds geotechnical services to its wheelhouse and opens Louisville, KY office</li> <li>Establishes the GPD Group Employees' Foundation</li> <li>Launches Minority Business Incubator Program</li> <li>Expands efforts in water / federal markets</li> <li>Opens offices in Dallas and Houston, TX</li> <li>Grows to 600+ employees</li> </ul>

## SERVICES

THE COMPREHENSIVE  
SERVICES OFFERED BY  
GPD ILLUSTRATE OUR  
DIVERSE CAPABILITIES



Aerial Mapping Control  
ALTA / NSPS Surveys  
Architectural Design  
Asbestos Investigations  
Audiovisual Design  
BMP  
Bond Issue Assistance  
Boundary Surveys  
Bridge Engineering  
Building Commissioning  
Civil Engineering  
Computer Modeling /  
3D Modeling  
Construction  
Administration  
Construction Observation  
Construction Staking  
Correction Facilities  
Planning  
Dam Engineering  
Data and Communication  
Systems  
Demographics and  
Capacity Analysis  
Design-Build Services  
District Heating and  
Cooling Engineering  
Drainage and Stormwater  
Management  
Educational Facilities  
Planning  
Educational Program  
Analysis  
Electrical Engineering  
Energy Analysis  
Environmental  
Engineering  
Environmental Studies  
Facilities Analysis  
Facilities Planning  
Feasibility Study  
Filtration Systems  
Fire Protection Design  
Foundation Engineering  
Funding Applications  
Geographic Information  
System (GIS) Data Base  
Creation Analysis  
Geotechnical Services  
GPS Surveying  
Green Infrastructure  
Design  
Hazardous Material  
Assessment  
Highway Engineering  
Highway Lighting  
HVAC Design  
Hydraulic Engineering  
In-building Radio  
Frequency Solutions  
Industrial Process  
Controls  
Instrumentation Design  
Interior Design  
Landscape Architectural  
Design  
LEED Assessments  
LEED Certification  
Services  
Lighting Design  
Master Planning  
Mechanical Engineering  
NEPA Screening  
Documentation  
Pavement Design  
Phase I Environmental  
Site Assessments  
Phase II Environmental  
Site Assessments  
Planning  
Planning and Zoning  
Representation  
Plumbing Design  
Pole Line Surveys  
Power Distribution Design  
Power Generation Design  
Private / Public  
Partnership  
Process Piping  
Engineering  
Programming  
Public Funding  
Public Involvement  
Radio Frequency  
Engineering Services  
Rate Studies  
Right of Way Plans  
Roadway Engineering  
SCADA System Design  
and Programming  
Security Systems  
Siting  
Site Analysis and Design  
Site Evaluation  
Site Grading  
Slope Stability Analysis /  
Remediation  
Specialty Engineered  
System  
Spill Prevention Counter  
Control Measures  
Stormwater Pollution  
Prevention Plan  
Stormwater Quality  
Design  
Structural Engineering  
Sustainable / Low Impact  
Design  
Technology Upgrades  
Topographic Surveys  
Trail Design  
Trail Master Planning  
Traffic Engineering  
Tunnel Radio Frequency  
Solutions  
Utility Engineering  
Utility Infrastructure  
Engineering  
Value Engineering  
Value / Life Cycle Cost  
Analysis  
Wastewater Collection  
and Treatment  
Water Supply and  
Distribution  
Wetland Delineation  
Wetlands Mitigation  
Wireless LAN Services

## FIRM LEADERSHIP

On the following pages, we introduce our key owners and staff. GPD's unique broad-based employee-ownership is the foundation for how we build our business and influences the way we conduct our business, which leads to tangible qualities and results that our clients see and appreciate. Our employees have a vested interest in your success, and it comes through in our powerful, creative, and innovative solutions. We pride ourselves on being relationship driven, whether with clients or teaming partners.

### PRINCIPALS

Darrin Kotecki, PE, President  
Masters, Civil Engineering  
25 years experience

James R. Shives, PE, Senior VP of Administration  
Masters, Civil Engineering  
38 years experience

Jeffrey D. Evans, PE, Senior VP of Engineering Services  
Bachelors, Civil Engineering  
25 years experience

Trever G. Powers, VP of Operations  
Telecommunications Practice Leader  
Bachelors, Business Administration  
15 years experience

Angela D. Wells, PE, LEED® AP, VP of Operations  
Design Services Senior Practice Leader  
Director of QA / QC  
Bachelors, Civil Engineering  
23 years experience

Rebecca J. McAdams, LEED® AP, VP of Operations  
Retail / Commercial Senior Practice Leader  
Masters, Business Administration  
24 years experience



Pictured (left to right): Trever Powers, Becky McAdams, Darrin Kotecki, Jeff Evans, Angie Wells, and Jim Shives

# KEY PERSONNEL

The team's organizational chart, featured below, is designed to: 1) Name the single point of contact between our team and WVARNG for this effort; 2) Identify key task leaders who are committed to delivering key services requested by the project and 3) Define additional engineering and support services available to the team, if and when required. Resumes for our team have been provided on the following pages.

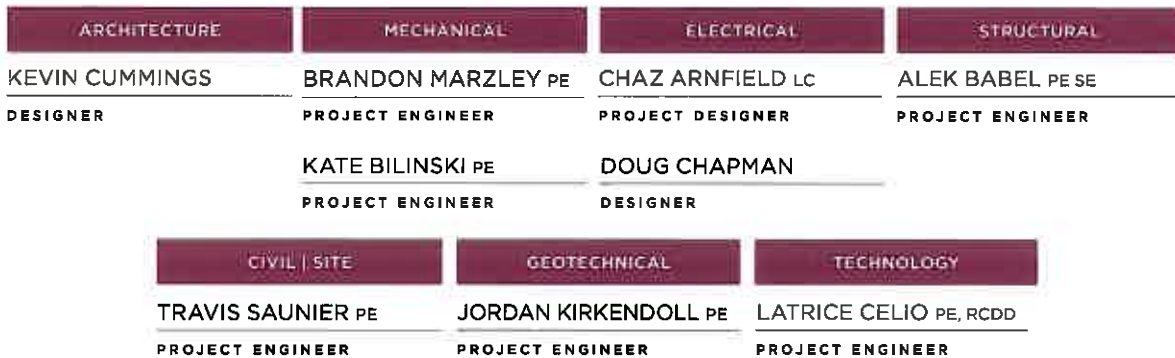
## WEST VIRGINIA ARMY NATIONAL GUARD

**BRIAN HAGEMEIERS PE**  
PRINCIPAL

**RICK DEMARCO RA**  
PROJECT MANAGER |  
LEAD ARCHITECT

**ANGIE WELLS PE**  
QUALITY CONTROL

### TASK LEADERS



### SUPPORT STAFF

STAFF BY DISCIPLINE	TOTAL	STAFF BY DISCIPLINE	TOTAL	STAFF BY DISCIPLINE	TOTAL
Registered Architects	29	Geotechnical Engineers	4	Water Engineers	4
Architectural Designers	51	Drilling   Lab   Field Technicians	4	Registered Surveyors	14
Interior Designers	7	Registered Mechanical Engineers	7	Surveyors	29
Registered Landscape Architects	4	Mechanical Engineers	5	GIS Specialist	1
Landscape Architects	2	Registered Structural Engineers	32	Environmental Scientists	9
Registered Bridge Engineers	5	Structural Engineers	10	Designers	63
Registered Civil Engineers	36	Registered Traffic Engineers	8	CAD Technicians	20
Civil Engineers	51	Traffic Engineers	4	Planners	1
Registered Electrical Engineers	12	Registered Transportation Engineers	5	CM   Coordinator   Inspectors	13
Electrical Engineers	14	Transportation Engineers	3	Telecommunications   Wireless	7
Registered Geotechnical Engineers	5	Registered Water Engineers	11		



# BRIAN HAGEMEIER PE, LEED® AP

PRINCIPAL



## ABOUT

Brian Hagemeyer has nearly 20 years experience in managing and designing a broad array of projects including civil engineering, construction, MES engineering, surveying, and architecture. He has wide spread experience and knowledge in developing and organizing multi-discipline teams to achieve the required project goals. Brian has successfully managed teams for public agencies and private clients and has been instrumental on developing GPD Services (the construction arm of GPD Group) to provide construction services for the public and private sectors. Brian's attention to detail and organizational ability will ensure that the goals and objectives of the project are successfully being met. Furthermore, his responsibilities include resource allocation, monitoring the performance of the team and client satisfaction.

## EXPERIENCE

### JFHQ Secure Area Design-Build, Charleston, WV

**Sr. Management Lead:** This project consisted of the development of the design and construction documents for upgrades to the JFHQ Building at Charleston, WV, National Guard. Existing storage space was converted to a new high secure communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

### Camp Dawson CC Center & OPS Building Upgrades, Kingwood, WV

**Sr. Management Lead:** This project consisted of the development of the design and construction documents for upgrades to the Command Conference Center and OPS Building at Camp Dawson Training Center. Existing office space was converted to a new communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

### ONG, DSCC Building 24 Paving, Plumbing and Masonry Renovations, Columbus, OH

**Quality Control:** This project includes the renovation of the restroom facilities, including the abatement of any present hazardous materials, incorporation accessibility guidelines, replacement of all restroom finishes, replacement of all plumbing fixtures, replacement of all toilet partitions, replacement of all shut off / isolation valves, and replacement of all plumbing supply lines back to the water main located inside the main mechanical room adjacent to the restroom facilities.

## EDUCATION

Bachelor of Science, Civil Engineering, 2003, The Ohio State University

## REGISTRATION

Registered Professional Engineer, State of Ohio, 2006

## ACCREDITATION

LEED Accredited Professional, 2009

**Ohio** | License City | Home 2.0.16 v.0000

### License Look Up

6/18/2018 1:21 PM

**Brian Christian Hagemeyer**

Status	Active
Sub-State	
Board	Engineers and Surveyors Board
License Type	Professional Engineer
License Number	[REDACTED]
License Issue Date	06/27/2006
License Expiration Date	12/31/2019
License Effective Date	01/01/2018
City	Painesville
State	OH
Country	United States
Board Action	No



# RICK DEMARCO RA, NCARB

PROJECT MANAGER | LEAD ARCHITECT



## ABOUT

Richard DeMarco is an architect with experience in leading design and construction projects across a wide variety of environments. Rick's background includes business development, project architecture, and project management oversight for multimillion-dollar initiatives. Major contributions have included business development, proposal development, project design, project bidding, and construction administration for new designs and renovations. Engagements span education, government, and retail arenas with compliance to design criteria for various agencies, including LEED requirements and BIM modeling. Rick has specific experience with federally-funded and secured facilities renovation and upgrade projects.

## EXPERIENCE

### JFHQ Secure Area Design-Build, Charleston, WV

**Project Manager:** This project consisted of the development of the design and construction documents for upgrades to the JFHQ Building at Charleston, WV, National Guard. Existing storage space was converted to a new high secure communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

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**Project Manager:** This project consisted of the development of the design and construction documents for upgrades to the Command Conference Center and OPS Building at Camp Dawson Training Center. Existing office space was converted to a new communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

### BFDF Modular Office Building, Batavia, NY

**Project Manager:** This project consists of the civil / site design work and structural foundation design and construction documents for the new modular office building. In addition to heading up the site and foundation design, GPD also acted as the design coordinator between the Owner, USACE, modular building contractor and SAF Inc. The site work and facility construction all occur within the ICE owned property. Due to the new building being located on the Federal detention center property, coordination and security needed to be a high priority.

## EDUCATION

Bachelor of Architecture, 1996,  
Kent State University

Bachelor of Science, Architecture,  
1989, The Ohio State University

## REGISTRATION

Registered Architect, State of Ohio,  
1996

## CERTIFICATIONS

National Council of Architectural  
Registration Boards (NCARB), 1996

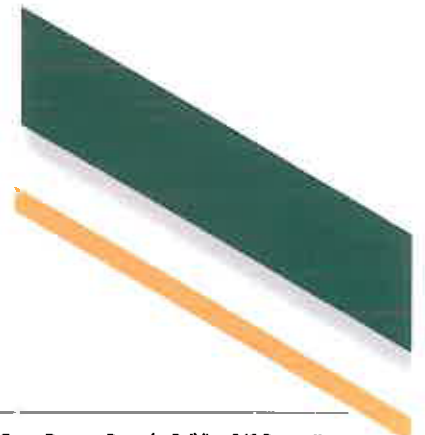
**Ohio** State Board of Architecture

**License Look Up**

6/18/2018 1:22 PM

**RICHARD P DEMARCO**

Status	Active
Sub-Status	
Board	Architects Board
License Type	Architect - Individual (ARC)
License Number	[REDACTED]
License Issue Date	02/03/1997
License Expiration Date	12/31/2019
License Effective Date	01/01/2018
City	KIRTLAND
State	OH
Country	United States
Board Action	No



# KEVIN CUMMINGS

ARCHITECTURAL DESIGNER



## ABOUT

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Since being employed at GPD, Kevin Cummings has been involved with projects primarily in a design role. This involves developing Construction Documents sets requiring code research, creating details, coordinating with engineering designers, and working with local or out-of-state municipalities. For some commercial projects, he develops program material for owner review, including Graphic Program Responses (GPR) and Site Investigation Reports (SIR). Kevin has been involved in Construction Administration roles for most projects worked on and some brief project management. He is also well versed in AutoCAD, Form-Z, and Revit. Kevin has specific experience with federally-funded and secured facilities renovation and upgrade projects.

## EXPERIENCE

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### JFHQ Secure Area Design-Build, Charleston, WV

**Architect Designer:** This project consisted of the development of the design and construction documents for upgrades to the JFHQ Building at Charleston, WV, National Guard. Existing storage space was converted to a new high secure communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

### Camp Dawson CC Center & OPS Building Upgrades, Kingwood, WV

**Architect Designer:** This project consisted of the development of the design and construction documents for upgrades to the Command Conference Center and OPS Building at Camp Dawson Training Center. Existing office space was converted to a new communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

### Arlington Hall Station Security Office Renovations, Arlington, VA

**Architect Designer:** The project consisted of renovating an existing office / storage space into new office space. The renovation work included selective demolition of the existing space. The new work consisted of revising the layout of the space and providing new aesthetically pleasing architectural and interior finishes including doors, floors, walls, and ceilings. Electrical and mechanical systems were upgraded to support the new layout.

## EDUCATION

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Bachelor of Science, Architecture,  
2001, Pennsylvania State University



# BRANDON MARZLEY PE

LEAD MECHANICAL ENGINEER



## ABOUT

Brandon Marzley serves as an experienced, highly qualified mechanical engineer and project manager for a broad array of projects at GPD. His experience includes the design of steam distribution, HVAC, plumbing, fire protection, and back-up power generation systems. He also offers extensive experience with energy analyses, audits and energy modeling. As a chief mechanical engineer working in both public and private sectors, he will oversee that the design is balanced to meet the project budget as well as the long-term cost of operation and maintenance. Brandon has specific experience with federally-funded and secured facilities renovation and upgrade projects. His expertise on a multitude of projects makes him an asset to any team.

## EXPERIENCE

### JFHQ Secure Area Design-Build, Charleston, WV

**Project Engineer:** This project consisted of the development of the design and construction documents for upgrades to the JFHQ Building at Charleston, WV, National Guard. Existing storage space was converted to a new high secure communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

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### Repair HVAC Base Wide Phase 2, 167th AW, Martinsburg, WV

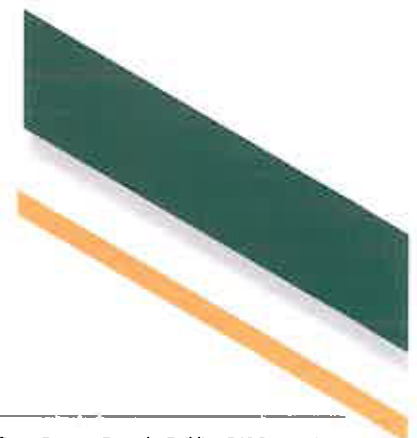
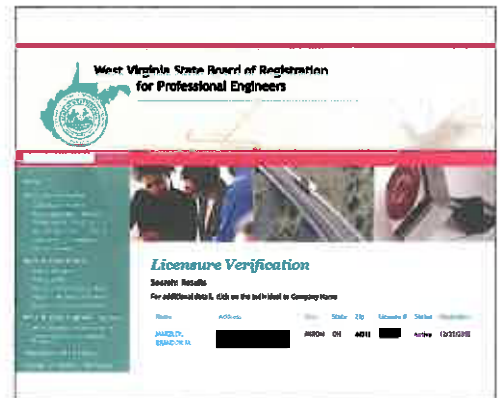
**Project Engineer:** The existing boilers in several buildings are over 30 years old and beyond their useful life. The existing cooling unit in the communication server room has no redundancy causing the room to get hot when the unit is down for maintenance or repair. This mechanical replacement project is base wide and consists of developing the design and construction documents for the replacement of existing boilers with new high efficiency boilers to maintain acceptable interior building temperature year round and the installation of new supplemental cooling.

## EDUCATION

Bachelor of Science, Mechanical Engineering, 2004, Geneva College

## REGISTRATION

Registered Professional Engineer, State of West Virginia, 2013



# KATE BILINSKI PE

MECHANICAL ENGINEER



## ABOUT

Kate Bilinski joined GPD bringing nearly 15 years of experience working in both HVAC systems design and process engineering fields. Kate leads design efforts for duct systems with proper air distribution as well as domestic water and sanitary systems for a variety of retail, industrial, healthcare, housing, office, and educational projects. She also prepares air load calculations and performs energy analyses using Trane TRACE and EQuest software. As a mechanical engineer in GPD's MES Group, Kate utilizes her working knowledge of mechanical systems to develop detailed drawings, prepare accurate cost estimates and communicate effectively with owners, customers, vendors, other design team members, and contractors through the project. Her experience in the field means equipment options are both properly specified and installed to meet the owner's needs. Kate has specific experience with federally-funded and secured facilities renovation and upgrade projects.

## EXPERIENCE

### JFHQ Secure Area Design-Build, Charleston, WV

**Project Engineer:** This project consisted of the development of the design and construction documents for upgrades to the JFHQ Building at Charleston, WV, National Guard. Existing storage space was converted to a new high secure communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

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### NAVFAC, NCTAMS, Miscellaneous Facility Repairs, LaMoure, ND

**Project Engineer:** GPD provided coordination, design, and construction services for the Naval Facilities Engineering Command (NAVFAC) in order to perform repairs, upgrades, modifications, and renovations to a variety of building and site features at the Naval Computer and Telecommunications Area Master Station (NCTAMS) in LaMoure, North Dakota.

## EDUCATION

Bachelor of Science, Mechanical Engineering, 2002, Ohio University

## REGISTRATION

Registered Professional Engineer, State of Ohio, 2016

**Ohio** | STATE BOARD OF ENGINEERS AND SURVEYORS

**License Look Up**

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**Kate Anne Bilinski**

Status	Active
Sub-Status	
Board	Engineers and Surveyors Board
License Type	Professional Engineer
License Number	[REDACTED]
License Issue Date	11/26/2012
License Expiration Date	12/31/2019
License Effective Date	01/01/2018
City	Norton
State	OH
Country	United States
Board Action	No



# CHAZ ARNFIELD LC, LEED® AP BD+C

LEAD ELECTRICAL DESIGNER



## ABOUT

Chaz Arnfield is an experienced electrical designer who serves as project manager on select projects for the firm. Through many years as an apprentice to an electrical engineer, his commitment and dedication to electrical engineering projects has gained him the overall knowledge and experience to incur the level of electrical designer. His design responsibilities include power distribution, technology / communications, interior lighting, site lighting, associated building systems including fire alarms and roadway lighting design. Through Chaz' 15 years of experience as an electrical designer, his passion for the electrical engineering field and ability to break down complex problems into simple solutions allow him to consistently add value to the team. In addition, he has completed electrical designs for numerous LEED certified projects.

## EXPERIENCE

### JFHQ Secure Area Design-Build, Charleston, WV

**Electrical Designer:** This project consisted of the development of the design and construction documents for upgrades to the JFHQ Building at Charleston, WV, National Guard. Existing storage space was converted to a new high secure communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

### ONG, DSCC Building 24 Paving, Plumbing and Masonry Renovations, Columbus, OH

**Electrical Designer:** This project includes the renovation of the restroom facilities, including the abatement of any present hazardous materials, incorporation accessibility guidelines, replacement of all restroom finishes, replacement of all plumbing fixtures, replacement of all toilet partitions, replacement of all shut off / isolation valves, and replacement of all plumbing supply lines back to the water main located inside the main mechanical room adjacent to the restroom facilities.

### NAVFAC, NCTAMS Miscellaneous Facility Repairs, LaMoure, ND

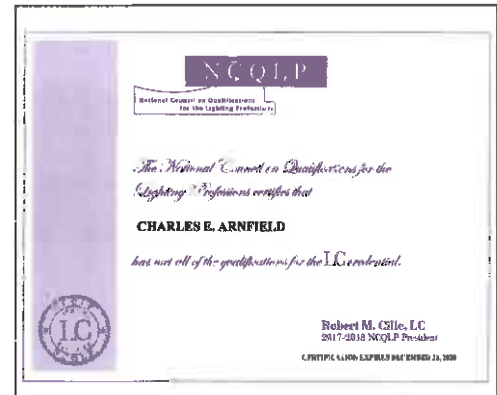
**Electrical Designer:** GPD provided coordination, design, and construction services for the Naval Facilities Engineering Command (NAVFAC) in order to perform repairs, upgrades, modifications, and renovations to a variety of building and site features at the Naval Computer and Telecommunications Area Master Station (NCTAMS) in LaMoure, North Dakota.

## EDUCATION

Associate of Applied Science, Computer Aided Drafting and Design Technology, 1998, ITT Technical Institute

## CERTIFICATION

LEED Accredited Professional Building Design + Construction, 2008  
Lighting Certification – NCQLP, 2008  
ODOT Highway Lighting Certified, 2005



# DOUG CHAPMAN

ELECTRICAL DESIGNER



## ABOUT

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Doug Chapman is an experienced electrical design engineer with an extensive background in building system design. His primary responsibilities include the design and analysis of electrical power distribution systems, energy efficient interior and exterior lighting system design, fire alarm and nurse call system design. His power system design expertise includes power distribution for entire facilities, along with emergency back-up power systems. Doug has experience in many different building type designs, including government buildings, hospitals / healthcare, K-12, university and colleges to name a few. He has specific experience with federally-funded and secured facilities renovation and upgrade projects. With widespread knowledge in the field, Doug is an important part of GPD's team of engineers.

## EXPERIENCE

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### JFHQ Secure Area Design-Build, Charleston, WV

**Project Engineer:** This project consisted of the development of the design and construction documents for upgrades to the JFHQ Building at Charelston, WV, National Guard. Existing storage space was converted to a new high secure communication space. The new design was required to meet the stringent guidelines for design and construction. Close coordination between GPD, SAF, Inc. and the West Virginia National Guard was required due to the security requirements for the base.

### Arlington Hall Station Security Office Renovations, Arlington, VA

**Project Engineer:** The project consisted of renovating an existing office / storage space into new office space. The renovation work included selective demolition of the existing space. The new work consisted of revising the layout of the space and providing new aesthetically pleasing architectural and interior finishes including doors, floors, walls, and ceilings. Electrical and mechanical systems were upgraded to support the new layout.

### ONG, DSCC Building 24 Paving, Plumbing and Masonry Renovations, Columbus, OH

**Project Engineer:** This project includes the renovation of the restroom facilities, including the abatement of any present hazardous materials, incorporation accessibility guidelines, replacement of all restroom finishes, replacement of all plumbing fixtures, replacement of all toilet partitions, replacement of all shut off / isolation valves, and replacement of all plumbing supply lines back to the water main located inside the main mechanical room adjacent to the restroom facilities.

## EDUCATION

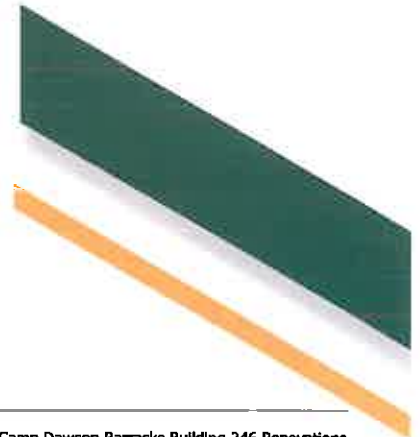
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Bachelor of Science,  
Electronic Technology, 1996,  
Bowling Green State University

## CERTIFICATION

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Motorola R56 Site Installer



# ALEK BABEL PE, SE

STRUCTURAL ENGINEER



## ABOUT

Alexander Babel has seven years of structural engineering and project management experience that includes structural investigation and design of new facilities and structural rehabilitation of existing facilities. Alek works closely with the project design team to help initiate innovative approaches and solutions for unique circumstances that arise during both design and construction.

## EXPERIENCE

### ONG, DSCC Building 24 Paving, Plumbing and Masonry Renovations, Columbus, OH

**Project Engineer:** This project includes POV parking lot improvements, exterior masonry renovation and repair, as well as restroom renovations of Building 24 Armory Building. Project considerations include occupied facilities during renovations and limited disruption to facilities and activities, adherence to security requirements, and Ohio Energy Policy and State Energy Utilization.

### BFDF Modular Office Building, Batavia, NY

**Project Engineer:** This project consists of 9,300 sf housing addition and a 21,600 sf warehouse / office. Design work included masonry gravity and lateral system for the housing addition. Review of submittals for the housing structure, masonry walls with concrete slab on grade and elevated floors with bar joist roof. The facility construction all occurred within the ICE owned property. Due to the new building being located on the Federal detention center property, coordination and security needed to be a high priority.

### Argonne National Lab, Energy Sciences Building, Argonne, IL

**Project Engineer:** This project consisted of a 140,000 sf laboratory building of reinforced concrete. Scope of work included design of secondary structures for the building, including a loading dock canopy, and wind supports for curtain wall systems. Review of submittals for foundations, reinforced concrete columns, floors, and beams, and for the secondary structures.

## EDUCATION

Master of Engineering, Structural Engineering, 2009, Illinois Institute of Technology

Bachelor of Science, Civil Engineering, 2007, Illinois Institute of Technology

## REGISTRATION

Registered Professional Engineer, State of Ohio, 2015

**Ohio** | Division of Professional Regulation

### License Look Up

6/18/2018 1:23 PM

**Alexander Karol Babel**

Status	Active
Sub-Status	
Board	Engineers and Surveyors Board
License Type	Professional Engineer
License Number	<b>[REDACTED]</b>
License Issue Date	04/30/2015
License Expiration Date	12/31/2019
License Effective Date	01/01/2018
City	Alexan
State	OH
Country	United States
Board Action	No





# TRAVIS SAUNIER PE

CIVIL | SITE ENGINEER



## ABOUT

Travis Saunier is an experienced civil engineer with an extensive background in commercial site design. As a valuable part of GPD's Site Development team, Travis uses his knowledge and experience with geometric layout, grading, utility and stormwater engineering to produce accurate, well-planned designs. His responsibilities range from the evaluation of existing conditions and preliminary land planning to the preparation of plans and specifications for proposed improvements and coordination with other engineering disciplines. In addition to his role as civil engineer, Travis serves as the firm's erosion and sediment control specialist.

## EXPERIENCE

### MPB & OPS Building Sidewalks and Drainage, Kingwood, WV

**Project Engineer:** The general scope of work for this design-build project is to repair and improve drainage, asphalt and concrete pavement areas in two locations at Camp Dawson, the training site of the West Virginia Army National Guard (WVARNG). In the SOW the project is divided in to separate work areas, the first being the work area along Artillery Boulevard, in front of the Multi-Purpose Building (MPS) and the second being the concrete replacement around the Regional Training Institute (RTI) Building and the Operations (OPS) Building.

### ONG, DSCC Building 24 Paving, Plumbing and Masonry Renovations, Columbus, OH

**Project Engineer:** This project includes POV parking lot improvements, exterior masonry renovation and repair, as well as restroom renovations of Building 24 Armory Building. Project considerations include occupied facilities during renovations and limited disruption to facilities and activities, adherence to security requirements, and Ohio Energy Policy and State Energy Utilization.

### NAVFAC, NCTAMS, Miscellaneous Facility Repairs, LaMoure, ND

**Project Engineer:** GPD provided coordination, design, and construction services for the Naval Facilities Engineering Command (NAVFAC) in order to perform repairs, upgrades, modifications, and renovations to a variety of building and site features at the Naval Computer and Telecommunications Area Master Station (NCTAMS) in LaMoure, North Dakota.

## EDUCATION

Bachelor of Science, Civil Engineering, 1996, The University of Akron

## REGISTRATION

Registered Professional Engineer, State of Ohio, 2016

**Ohio** | License Look Up

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**Travis R. Saunier**

Status	Active
Sub-Status	
Board	Engineers and Surveyors Board
License Type	Professional Engineer
License Number	[REDACTED]
License Issue Date	07/18/2000
License Expiration Date	12/31/2019
License Effective Date	01/01/2018
City	Canton
State	OH
Country	United States
Board Action	No



# JORDAN KIRKENDOLL PE

GEOTECHNICAL ENGINEER



## ABOUT

Since joining GPD, Jordan Kirkendoll has worked on over 500 geotechnical studies across the nation for more than 20 major clients. Some of Jordan’s engineering experience at GPD includes the design and construction of foundations and pavements for multi-story residential complexes, commercial restaurants, financial institutions, and recommendations for the evaluation of existing and proposed telecommunication tower foundations. Experienced in field engineering and construction applications, Jordan is well-equipped to perform construction material testing for large scale projects including inspections on foundations, floor slabs, structural steel, masonry walls, asphalt pavements, concrete, water quality, micro-pile installations, and cut / fill operations. He also has experience in pipeline integrity validations and remediation in multiple states utilizing processes of cutouts / replacement and non-destructive strength tests for both the oil and natural gas industries.

## EXPERIENCE

### MPB & OPS Building Sidewalks and Drainage, Kingwood, WV

**Project Engineer:** The general scope of work for this design build project is to repair and improve drainage, asphalt and concrete pavement areas in two locations at Camp Dawson, the training site of the West Virginia Army National Guard (WVARNG). In the SOW the project is divided in to separate work areas, the first being the work area along Artillery Boulevard, in front of the Multi-Purpose Building (MPS) and the second being the concrete replacement around the Regional Training Institute (RTI) Building and the Operations (OPS) Building.

### BFDF Modular Office Building, Batavia, NY

**Project Engineer:** This project consists of 9,300 sf housing addition and a 21,600 sf warehouse / office. Design work included masonry gravity and lateral system for the housing addition. Review of submittals for the housing structure, masonry walls with concrete slab on grade and elevated floors with bar joist roof. The facility construction all occurred within the ICE owned property. Due to the new building being located on the Federal detention center property, coordination and security needed to be a high priority.

### ONG, Rickenbacker Building 920 Motor Pool Paving, Columbus, OH

**Project Engineer:** Rickenbacker Air National Guard Base is a facility operated by the Ohio Adjutant Generals Department in Columbus, Ohio. The project consists of various improvements for the motor pool parking associated with Building 920.

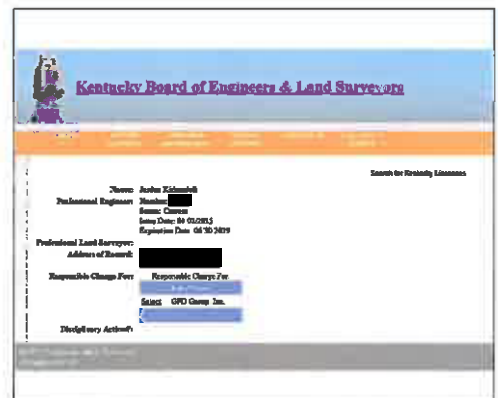
## EDUCATION

Master of Science, Civil Engineering,  
2012, University of Kentucky

Bachelor of Science, Civil Engineering,  
2010, Western Kentucky University

## REGISTRATION

Registered Professional Engineer,  
State of Kentucky, 2015



# LATRICE CELIO PE, RCDD

## PROJECT ENGINEER—TECHNOLOGY



### ABOUT

Latrice Celio is a highly experienced, 14-year veteran of the electrical engineering profession. Her design experience includes for working with military, local governments, various schools and universities, and industries, to develop and review power system design, upgrade and modification, lighting plans, one-line diagrams, electrical specifications, energy conservation measures, and cost estimates. Latrice has experience with fire alarm, security, and communication design for military bases. She is well versed in computer modeling programs such as SKM, ETAP, Visual, and Lighting Analysts (AGI32).

### EXPERIENCE

#### NAVFAC (NSN) ECP Gate 6, Norfolk, VA

**Project Engineer:** Designed electrical, communication, and security systems for a military secure entrance gate. Pre design work included a charrette with the Client and additional stakeholders. Designed fiber and copper distribution, security camera layouts, interior and exterior lighting, security device control schematics, generator sizing, uninterruptible power supply sizing, transformer sizing, and short circuit calculations.

#### USAF, Goodfellow AFB Joint Intelligence Training Facility, San Angelo, TX

**Project Engineer:** Provided indoor lighting, power, security, fire alarm, and communications design including calculations for the entire facility. This design also included NIPR and SIPR distribution throughout the facility.

#### USAF | Royal Saudi Air Force, King Faisal AFB, Saudi Arabia

**Project Engineer:** Designed lighting, telecommunications, and security system. The telecommunications system included outside plant fiber and copper distribution, inside plant telecommunication distribution, security camera layout, intrusion detection systems, telecommunication room equipment layouts and risers. The lighting design included indoor (normal and emergency), roadway, aircraft hangar, taxiway, and site lighting. The security design included CCTV cameras, intrusion detection, and access control. The interior electrical distribution consisted of convenience receptacles, specialty outlets for aircraft equipment, HVAC equipment, and 400 hertz distribution. Additional support was provided to the cost estimation team for electrical, communication, and security device.

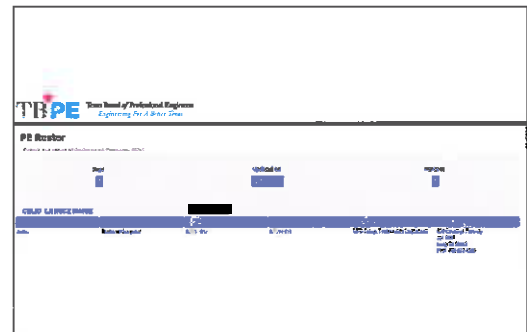
### EDUCATION

Bachelor of Science,  
Electrical Engineering, 2004,  
Iowa State University

### REGISTRATION

Registered Professional Engineer,  
State of Texas, 2017

Registered Communication  
Distribution Designer, 2014



# STAFFING PLAN

Our hand selected, qualified team of professional are committed to providing exceptional design and construction services for your project, With our client-centered service, we enhance the ability of the organizations we service. Together, with our clients, we build the future.

Our organizational chart on page 2.1 identifies the key personnel who are committed to delivering critical project responsibilities. The chart also showcases senior level and value added support to provide quality assurance and project compliance and introduces diverse technical professionals leading core services required by the project.

GPD is a 600+ person professional services firm. We will dedicate approximately seven staff members that are well versed with WVANG renovation projects, in particular Camp Dawson. Our staff will provide continuous support from design development through project closeout. In order to achieve your mission and goals, you will be assigned a single-point of contact who will oversee the project.

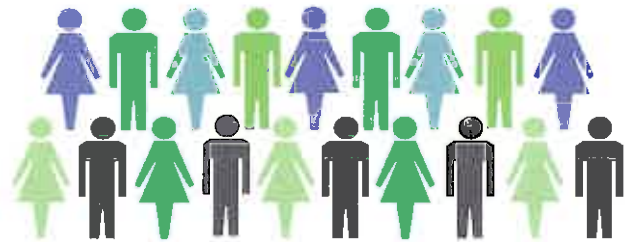
## STAFF AVAILABILITY

GPD is fully committed to this project. Based on the expertise, qualifications and experience needed for this project, GPD hand-selected key personnel to dedicate to the team. Each key person will be supported as necessary to meet the required deadlines.

Staff	Role	% Available
Brian Hagemeyer	Principal	30%
Rick DeMarco	Project Manager	40%
Angie Wells	Quality Control	10%
Kevin Cummings	Architectural Designer	50%
Brandon Marzley	Lead Mechanical Engineer	15%
Kate Bilinski	Mechanical Engineer	30%
Chaz Arnfield	Lead Electrical Designer	15%
Doug Chapman	Electrical Designer	30%
Alek Babel	Structural Engineer	30%
Travis Saunier	Civil   Site Engineer	30%
Jordan Kirkendoll	Geotechnical Engineer	15%
Latrice Celio	Technology	25%

## FLEXIBILITY TO SCHEDULE CHANGES

The GPD team has the flexibility to adapt to any necessary scope changes. GPD has several office locations within 300 miles of the project site, allowing our team to have full support readily available. That advantage allows GPD to react as required to construction and client needs in a timely manner.



Our project management and project design leads are backed by a strong, capable team of support staff that knows what it takes to deliver timely, well-drafted construction documents.

## TECHNICAL STAFF

Our cohesive team of design professionals is dedicated to providing only the best architectural, engineering and planning services to a diverse client base. We pride ourselves on the development of a seamless system of services that blend planning, architecture and engineering systems into a flourishing unity of creativity, collaboration and innovation.

## CONSTRUCTION ADMINISTRATION

Rick DeMarco and Brandon Marzley will lead the Construction Administration (CA) effort for this project. Rick and Brandon, working as the client advocate, regularly provide guidance to engineers and contractors in order to avoid change orders and unscheduled delays to projects. GPD will engage the needed disciplines to support the construction process.

## WHY THE GPD TEAM IS BEST QUALIFIED FOR THE CAMP DAWSON BARRACKS BUILDING 246 RENOVATION PROJECT

We believe our team exceeds the qualifications for this project by hand selecting a team of experts that represent the following:

- GPD is a full service Architecture and Engineering firm that has worked nationwide for over 55 years providing quality design on time and within budget.
  - » Quality design and providing proper solutions to meet our clients' needs is the core of what we do.
  - » Budget is always a priority at GPD and we will provide the most economical solutions without ever compromising quality.
  - » We always recommend the right solution for our clients, especially when it comes to mission critical facilities where security is paramount.
- The GPD team will work closely with the WVARNG Project Manager and team to establish a program of requirements (POR) and design solutions that will stay within established budgets and schedules site.

### MEETING PROJECT GOALS

The GPD team understands the need to address specific project objectives and concerns as part of the project scope of work. Our team incorporates budget analysis, energy efficiencies, maintenance requirements, and life-cycle analysis into our design solutions.

As part of the Barracks Building 246 Renovation goals, a solution is needed to address freezing domestic waterlines in attic spaces. Based on previous experience, GPD will likely propose insulating existing lines with electric heat trace with possible dual system for redundancy. Other possible solutions include tempering space with a supplemental heat source or a convection solution to vent the attic space using existing below the attic heating. GPD will evaluate the existing system and configuration to determine potential options and discuss the best recommended solution with WVARNG.

### HOW GPD MEETS OR EXCEEDS EXPECTATIONS

LARGEST AND MOST DIVERSE PROFESSIONAL CONSULTING AND DESIGN RESOURCE BASE IN THE OHIO VALLEY REGION WITH OVER 500 PROFESSIONALS

A/E LEADERSHIP THAT IS SOLUTION-ORIENTED WITH QUALITY DESIGN FIRST AND FOREMOST

COLLECTIVELY WORKED ON FOUR PROJECTS AT CAMP DAWSON WITHIN THE PAST YEAR

PROJECT MANAGER WHO IS WELL VERSED IN RENOVATION PROJECTS FOR THE NATIONAL GUARD

WILL PROVIDE WVARNG WITH FULLY INTEGRATED SOLUTIONS

DEPTH AND BREADTH OF RESOURCES TO PROVIDE CONSISTENT QUALITY DESIGNS WITH THE MOST STRINGENT SCHEDULES

MANPOWER AVAILABLE TO PROVIDE CONCURRENT TEAMS TO COMPLETE THE WORK

40 YEARS OF EXPERIENCE WORKING WITHIN OCCUPIED, SECURED FACILITIES

# REPRESENTATIVE EXPERIENCE

## WVARNG, BASEWIDE HVAC REPAIR, PHASE II

MARTINGSBURG, WEST VIRGINIA

BOILER REPLACEMENT

### CLIENT PM

Sgt. Ryan Belfield  
304.616.5231  
ryan.e.belfield.mil@mail.mil

### PROJECT DETAILS

Design Fee:	\$59,493
Est. Constr. Cost:	\$1,000,000
Actual Constr. Cost:	\$595,425
Design Start:	Nov 2017
Design End:	Dec 2017
Const. Start:	Dec 2017
Const. End:	Sep 2018

### SCOPE OF SERVICES

- Construction Administration
- Construction Observation
- Design-Build Services
- District Heating and Cooling Engineering
- Electrical Engineering
- Energy Analysis
- HVAC Design
- Mechanical Engineering

### TEAM MEMBERS

Brian Hagemeyer  
Rick DeMarco  
Brandon Marzley  
Kate Bilinski  
Doug Chapman

### PROJECT DESCRIPTION

The purpose of this project is to provide engineering solutions for multiple facility underperforming / non-performing HVAC systems.

### GOALS AND OBJECTIVES

The existing boilers in several buildings are over 30 years old and beyond their useful life. The existing cooling unit in the communication server room has no redundancy causing the room to get hot when the unit is down for maintenance or repair.

This mechanical replacement project is base-wide and consists of developing the design and construction documents for the replacement of existing boilers with new high efficiency boilers to maintain acceptable interior building temperature year round and the installation of new supplemental cooling.

### HOW THESE WERE MET

GPD provided five new high efficient boilers with new piping and pumping to meet the client operating and energy requirements. New control systems were provided to optimize the system operation and performance. The new control system provide the client visibility for maintenance and scheduling. GPD also provided a redundant environmental air conditioning unit for the communication server room with new controls. The new cooling system provided the owner reliability for their critical equipment. The new systems control be temperature and humidity for the equipment.

GPD, the contractor and the owner continually collaborated through the design and construction processed to deliver the project on time and within budget.

# WVARNG, CAMP DAWSON CCC & OPS BUILDING UPGRADES

KINGWOOD, WEST VIRGINIA

DESIGN-BUILD

## CLIENT PM

1SG Aaron Miller  
304.791.4161  
aaron.f.miller.mil@mail.mil

## PROJECT DETAILS

Design Fee:	\$38,775
Est. Constr. Cost:	\$800,000
Actual Constr. Cost:	TBD
Design Start:	Oct 2017
Design End:	Dec 2017
Const. Start:	Dec 2017
Const. End:	Jan 2019

## SCOPE OF SERVICES

- Architectural Design
- Construction Administration
- Design-Build Services
- Electrical Engineering
- Energy Analysis
- Facilities Planning
- HVAC Design
- Interior Design
- Mechanical Engineering
- SCIF Design
- Security Design
- Structural Engineering
- Technology Upgrades

## TEAM MEMBERS

Brian Hagemeyer  
Rick DeMarco  
Brandon Marzley  
Kevin Cummings  
Kate Bilinski  
Doug Chapman

## PROJECT DESCRIPTION

The West Virginia Army National Guard (WVARNG) is proposing upgrades to the Command Conference Center as well as upgrades to several areas throughout the OPS Building at the **Camp Dawson** Training Center. Scope included SCIF design per ICD-705.

## GOALS AND OBJECTIVES

Existing office space will be converted to a new communication space. The new design is required to meet the stringent guidelines for design and construction. The scope of work includes renovations and upgrades to walls, ceilings, interior finishes, HVAC, electrical, IT, A/V, lighting, security (including access control), doors, openings, and entrances. The project is being delivered under the Design-Build delivery system. Close coordination between GPD, SAF, Inc. and WVARNG is required due to the security requirements for the base.

## HOW THESE WERE MET

GPD did a comprehensive analysis of the ICD/ICs 705 design manual outlying the Technical Specifications for Construction and Management of Sensitive Compartmented Information Facilities (SCIF) to determine specific materials, performance requirements, and construction details required for the retro-fitting the existing framed wall partitions of the enclosed Command Conference Center (CCC) at the base. Design solutions for wall types, through-wall penetrations, door and door hardware, STC ratings, access control, and several other features were developed to full compliance with the National Counterintelligence and Security Center standards.

In addition to the CCC renovation, interior improvements were made to several non-information sensitive spaces throughout the compound, involving new millwork, interior finishes, and lighting.

# WVARNG, JOINT FORCES HQ SECURED AREA RENOVATIONS

CHARLESTON, WEST VIRGINIA

DESIGN-BUILD

## CLIENT PM

Major Melvin Hodges  
304.561.6349  
melvin.p.hodges.mil@mail.mil

## PROJECT DETAILS

Design Fee:	\$29,700
Est. Constr. Cost:	\$500,000
Actual Constr. Cost:	TBD
Design Start:	Oct 2017
Design End:	Dec 2017
Const. Start:	Dec 2017
Const. End:	Nov 2018

## SCOPE OF SERVICES

- Architectural Design
- Construction Administration
- Design-Build Services
- Electrical Engineering
- Energy Analysis
- Facilities Planning
- HVAC Design
- Interior Design
- Lighting Design
- SCIF Design
- Structural Engineering
- Technology Upgrades

## TEAM MEMBERS

Brian Hagemeyer  
Rick DeMarco  
Kevin Cummings  
Brandon Marzley  
Kate Bilinski  
John Kabak  
Doug Chapman

## PROJECT DESCRIPTION

The West Virginia Army National Guard (WVARNG) is proposing to build out a secured area at the Joint Forces Headquarters (JFHQ) Armory Building in Charleston, WV. Scope included SCIF design per ICD-705.

## GOALS AND OBJECTIVES

This project consists of the development of the design and construction documents for upgrades of the existing space to a new high secure communications space. The new design was required to meet the stringent guidelines for design and construction. The scope of work includes renovations and upgrades to walls, ceilings, interior finishes, HVAC, electrical, IT, A/V, LED lighting, security (including access control), doors, openings, and entrances. The project is being delivered under the Design-Build delivery system. Close coordination between GPD, SAF, Inc. and WVARNG was required due to the security requirements for the base.

## HOW THESE WERE MET

GPD did a comprehensive analysis of the ICD/ICs 705 design manual outlying the Technical Specifications for Construction and Management of Sensitive Compartmented Information Facilities (SCIF) to determine specific materials, performance requirements, and construction details required for the retro-fitting of an existing interior block wall-enclosed area at the base. Design solutions for wall types, through-wall penetrations, door and door hardware, STC ratings, access control, and several other features were developed to full compliance with the National Counterintelligence and Security Center standards.





# OHIO NATIONAL GUARD, DSCC BUILDING 24 RENOVATIONS

COLUMBUS, OHIO

GENERAL CONTRACTING

## PROJECT MANAGER

Mr. James Penn  
614.336.7307  
james.h.penn2.nfg@mail.mil

## PROJECT DETAILS

Design Fee:	\$88,000
Est. Constr. Cost:	\$1,275,000
Actual Constr. Cost:	TBD
Design Start:	Mar 2016
Design End:	May 2017
Const. Start:	TBD
Const. End:	TBD

## SCOPE OF SERVICES

- ALTA / NSPS Surveys
- Civil Engineering
- Construction Administration
- Construction Observation
- Drainage and Stormwater Management
- Geotechnical Services
- Pavement Design
- Site Analysis and Design
- Site Grading
- Stormwater Pollution Prevention

## TEAM MEMBERS

Brian Hagemeyer  
Kevin Cummings  
Kate Bilinski  
Doug Chapman  
Alek Babel  
Travis Saunier

## PROJECT DESCRIPTION

Project includes POV parking lot improvements, exterior masonry renovation and repair, as well as restroom renovations of Building 24 Armory Building. Project considerations include occupied facilities during renovations and limited disruption to facilities and activities, adherence to security requirements, and Ohio Energy Policy and State Energy Utilization.

## GOALS AND OBJECTIVES

GPD designed the renovations of the restroom facilities at the Ohio National Guard's Defense Supply Center Columbus (DSCC) Building 24. Services included the abatement of any present hazardous materials, incorporation accessibility guidelines and replacement of all restroom finishes, plumbing fixtures, toilet partitions, shut off / isolation valves, and plumbing supply lines back to the water main located inside the main mechanical room adjacent to the restroom facilities. This project also incorporated the milling and replacement of the asphalt wear course in the POV parking lot area, including spot repairs where the base courses seem to be compromised. In addition, GPD performed the evaluation and repair / tuck pointing of the brick veneer where the conditions of the veneer warranted attention. All of these efforts were conducted to allow the facility to better serve the National Guard Soldiers and facility staff and to meet the unique needs of the Ohio National Guard and Building 24 facility.

These renovations will bring the buildings up to code and provide space that is accommodating to the end users. Exterior renovations will limit water infiltration to the interior of the buildings and extend the building useful life. New LED lighting will provide better security at each location, and new security gates will be provide more secure access to the Armory. All buildings will adhere to the Ohio Energy Policy cutting down the utility expenditure at these locations saving money to the various State of Ohio agencies.

The building will remain occupied throughout the duration of design and construction. Security, health and safety will be priority in planning and phasing the project so the ANG can continue carrying out their mission with little to disruption.

## HOW THESE WERE MET

The restrooms were renovated and reconfigured to allow for greater maximization of the space by increasing the number of occupants served and increasing the accessibility of the space. Renovation included the investigation and repair of the underground infrastructure to eliminate chronic plumbing issues that plagued the building. The project was extremely sensitive to the ongoing operations at the facility by making adjustments to the schedule and means / methods of the project to allow for uninterrupted use of the facility. This included the coordination, shutdown and evacuation of the facility during drill weekends, while leaving the facility in a usable condition.

# US ANG, ARLINGTON HALL STATION FY17 RENOVATIONS

ARLINGTON, VIRGINIA

DESIGN-BUILD

## CLIENT PM

Mr. Kirk Swiantek  
586.239.4773  
kirk.m.swiantek.civ@mail.mil

## PROJECT DETAILS

### Security Office

Design Fee:	\$10,000
Est. Constr. Cost:	\$120,000
Actual Constr. Cost:	TBD
Design Start:	Jun 2017
Design End:	Aug 2017
Const. Start:	Aug 2017
Const. End:	Dec 2017

### Meditation Room

Design Fee:	\$7,259
Est. Constr. Cost:	\$100,000
Actual Constr. Cost:	TBD
Design Start:	Jun 2017
Design End:	Aug 2017
Const. Start:	Aug 2017
Const. End:	Dec 2017

## SCOPE OF SERVICES

- Architectural Design
- Design-Build Services
- Electrical Engineering
- Facilities Planning
- Fire Protection Design
- HVAC Design
- Interior Design
- Lighting Design
- Mechanical Engineering
- Plumbing Design
- Structural Engineering

## TEAM MEMBERS

Brian Hagemeyer  
Rick DeMarco  
Kevin Cummings  
Kate Bilinski  
Doug Chapman

## PROJECT DESCRIPTION

### Security Office Renovation – 3,200sf

The NGB planned to relocate security office personnel, currently housed in the FMO area, to a new location by the PBO office. This project consisted of renovations to the security office that included demolition and improvements to the existing mill work, paint, ceiling tiles, flooring, miscellaneous finishes, and limited structural, mechanical, plumbing and electrical work.

### Meditation Room Renovation – 600sf

The NGB proposed to renovate the existing barbershop area and convert it to a meditation space with areas to house two chaplain team members. The renovation work included selective demolition of the barbershop, new aesthetically pleasing architectural doors and interior finishes for floors, walls and ceilings. Electrical and mechanical systems were upgraded to support the new layout.

## GOALS AND OBJECTIVES

The project had to be delivered to the DB contractor for an out-of-state, security-sensitive space in a relatively short amount of time without a comprehensive onsite analysis of the space by GPD. Incorporating a proposed layout and detailed list of products issued from the government presented a challenge verifying the suitability of using what was proposed within the constraints of the existing space.

## HOW THESE WERE MET

GPD used the limited site information permitted through site photographs and gathered through on-site coordination with the DB contractor to verify the full extent that the government's proposed design could be implemented. Code research and product substitution research were used to allow the government to achieve the design intent they outlined in their RFP with minimal alterations, while still meeting time and budget.

# OHIO NATIONAL GUARD, RICKENBACKER BUILDING 920 MOTOR POOL PAVING

COLUMBUS, OHIO

GENERAL CONTRACTING

## PROJECT MANAGER

Mr. James Penn  
614.336.7307  
james.h.penn2.nfg@mail.mil

## PROJECT DETAILS

Design Fee:	\$117,000
Est. Constr. Cost:	\$1,200,000
Actual Constr. Cost:	\$950,000
Design Start:	Jun 2015
Design End:	Aug 2015
Const. Start:	Oct 2015
Const. End:	May 2016

## SCOPE OF SERVICES

- ALTA / NSPS Surveys
- Civil Engineering
- Construction Administration
- Construction Observation
- Drainage and Stormwater Management
- Geotechnical Services
- Pavement Design
- Site Analysis and Design
- Site Grading
- Stormwater Pollution Prevention

## TEAM MEMBERS

Brian Hagemeyer  
Kevin Cummings  
Doug Chapman  
Travis Saunier

## PROJECT DESCRIPTION

Rickenbacker Air National Guard Base is a facility operated by the Ohio Adjutant Generals Department in Columbus, Ohio. The project consists of various improvements for the motor pool parking associated with Building 920.

## GOALS AND OBJECTIVES

The scope of work includes removal of existing pavement down to existing concrete sub-base, new asphalt surface coursing in compliance with ODOT standards for Heavy Pavement Sections, Installation of 11 new LED high mast lighting poles, fixtures and associated wiring, demo and replacement of existing trench drain structures, and demo and replacement of all perimeter fencing and gates around the entire motor pool compound.

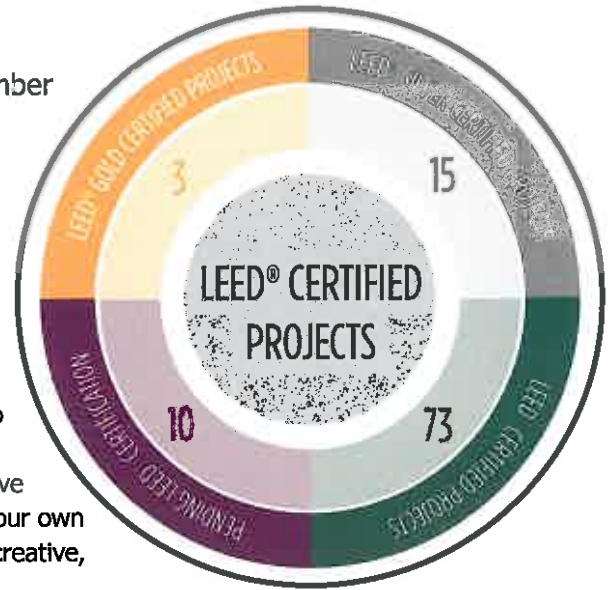
## HOW THESE WERE MET

The concerns presented to the project team at project conception were related to F.O.D. in proximity of the Blackhawk tarmac, both before and during construction, and the lighting levels present during operations. The project team accomplished this by maintaining a rigid cleaning and inspection protocol at the end of each work day. Lighting was added to the lot with an increased level of control to allow for night operations of the Blackhawk crews, while allowing for a more safe environment for the motor pool activities. Site drainage was also renovated to improve the function and capacity of the existing trench drain assemblies.

# LEED EXPERIENCE

GPD has long been a practitioner of sustainable design. A member of the U.S. Green Building Council (USGBC) since 2004, GPD currently has 33 LEED® Accredited Professionals in every discipline of design with experience in all facets of sustainable design, LEED® administration, LEED® assessments, energy modeling, and commissioning on a variety of project types.

Our approach to sustainable design begins with the client's objectives. We provide recommendations and solutions that reduce energy consumption, improve water efficiency and improve indoor air quality to ultimately reduce operating costs, support the health of the occupants, and sustain the environment in the project location. GPD is proud to have incorporated aspects of sustainable design in many projects, including our own headquarters. This demonstrated experience provides our clients with creative, cost effective solutions that meet their project objectives.



## GPD INCORPORATES THE FOLLOWING SUSTAINABLE ELEMENTS INTO OUR DESIGNS:



### BUILDING

- » All education projects are designed to meet or exceed LEED® Silver criteria.
- » Design of heating and cooling systems that maximize the energy performance of buildings and provide a comfortable environment for occupants.
- » Extensive experience with efficient lighting design and controls.
- » Specification of recycled content in building materials and interior finishes.
- » Roof design that reduces heat gain, including green roof design, high reflectance white roofs and insulation standards that deliver a return on your investment.
- » Design of skylights and daylight harvesting controls.
- » High-efficiency, water-conserving plumbing fixtures that can save 40% of a buildings' water use.
- » Specification of low VOC interior finishes that improve the air quality without adding cost.



### SITE

- » Design of rain water harvesting systems to supply landscaping irrigation systems.
- » Creative design and landscape architecture using native plants to eliminate the need for irrigation.
- » Engineering of stormwater quality and quantity compliant design using natural methods such as bio-retention areas, rain gardens, and pervious surfaces.
- » Site lighting design that eliminates night light trespass.
- » Solar powered LED lighting.
- » Green infrastructure measures.
- » Determine impacts wetlands, streams, vegetation, and topography. Minimizing the disturbance of these existing features Minimize environmental disturbances.
- » Salvaging and reusing demolished materials such as concrete or asphalt for the base material to construct the trail, seating, and retaining walls.

## ACHIEVEMENTS

- Currently, the OFCC has 300+ LEED® Certified educational facilities and GPD is responsible for one of the 88 Gold Certified schools (Grindstone Elementary School in the Berea City School District) as well as Silver Certification for six schools in Akron City School District, three schools in Lakewood City School District, and Coventry Local School District's High School. We currently have 7 additional school projects in the process of certification.
- Design of the GPD Group 2nd Floor Renovation Project.
- Design of the largest single array photovoltaic solar panel system in Ohio for the Akron Metro RTA Intermodal Transit Center.
- Design of the largest geothermal well-field in Ohio – at the time – for the HVAC system in North Royalton Middle School in 1997. Other geothermal projects over the years include the Solon Library, Joseph Badger Pre K-12 School, Barberton High School, Grindstone Elementary School, Southington K-12 School, Schumacher Community Learning Center, Windermere Community Learning Center and the Akron Metro RTA Intermodal Transit Center.
- Design of the first environmentally friendly JOANN Fabric and Craft Stores in Round Rock, Texas – the first of their stores built utilizing LEED criteria in pursuit of certification from the U.S. Green Building Council.

# QUALITY CONTROL

At GPD, we place quality as first and foremost to success of the overall project. We have a Quality Assurance and Quality Control Manual that defines our Design Quality Control Plan (DQCP). This serves as a guideline for our teams and subconsultants that demonstrates how procedures implemented throughout the project provide continuous quality control during design.

## QUALITY EXPECTATIONS

Our expectations for the DQCP Objectives are to produce drawings, specifications, and documents that:

- » Meet the agreed Scope of Work;
- » Are technically sound and appropriate;
- » Have a proper level of detail necessary for contractor interpretations and construction;
- » Are coordinated thoroughly between all disciplines;
- » Are well coordinated with respect to materials, dimensions, details, and code compliance;
- » Can produce the finished project within the agreed upon project budget and schedule.

Our DQCP team consists of discipline aligned Lead Designers and Principals of the firm. It is comprised of the following:

**Checkers** – This team will use their own knowledge and experience as well as a project specific check list developed from specific submittal requirements and key issues/details documented through the course of the project as the basis for their review. The work from our team and any subcontractors will be reviewed throughout the project by the checkers.

### Independent Technical Review Team (ITRT)

– This team consists of Principals in each discipline that will review as appropriate at midpoints through the design phase and prior to each Design submittal. Comments will be distributed and discussed in meetings and conference calls between the review team and the design and subconsultant teams.

## QUALITY CONTROL MANAGEMENT

In effort to manage the implementation and execution of the DQCP, we will utilize QuickBase web-based platform developed by Intuit. Each process step or task of the Quality Control Plan will be logged and tracked to ensure tasks are completed in accordance with the plan. Design documents can be routed and submitted by internal resources as well as external subconsultants.

The QA/AC Manager assigns the Quality Control task to the appropriate personnel at the required milestone. The project cannot proceed until the Checker, ITRT Reviewer, or Designer / Subconsultant has completed the assigned task and it is marked completed within QuickBase. This will ensure Quality Control protocol is being followed. Plans will not be released until the QA/QC Manager has identified that tasks are completed in accordance with the DQCP for the given project phase.

Reports are completed throughout all phases of the project to monitor Quality Control task flow and execution status.



# REFERENCES

Due to the nature of working with state governmental agencies, we are unable to provide any letters of recommendation for work relevant to this effort. However, we have provided the following list of reference contacts and encourage you to reach out for a direct reference.

For more in-depth evaluations, please feel free to contact the following references:

- Mr. Ed Stoner  
Ohio Department of Youth Services  
30 West Spring Street  
Columbus, Ohio 43215  
614.466.3407
- Mr. Dave Whitely  
Program Administrator  
Ohio Department of Transportation  
District 12  
5500 Transportation Boulevard  
Garfield Heights, Ohio 44125  
216.584.2004
- Mr. Art Damron  
Project Manager  
Ohio National Guard  
Adjutant General's Department  
825 West Dublin  
Columbus, Ohio 43235  
614.336.7056
- Mr. Sam Cappelli  
Ohio Department of Rehabilitation and Correction  
770 West Broad Street  
Columbus, Ohio 43222  
614.506.4451

# ADDITIONAL INFORMATION

## FACILITIES AND EQUIPMENT

GPD Group is headquartered in downtown Akron, Ohio, in the historic B.F. Goodrich Corporate headquarters, now known as Canal Place. Our firm occupies over 160,000 square feet of office space in our 14 offices nationwide and nearly 100,000 square feet in Northeast Ohio. All offices are linked via high-speed network connections for maximum productivity.

Nationally, we have 1,933 square feet of office space in Atlanta, Georgia; a regional office in Indianapolis, Indiana with 12,000 square feet of office space; 670 square feet of office space in Phoenix, Arizona; 5,300 square feet in Louisville, Kentucky; 1,500 square feet of office space in Seattle, Washington; 2,232 square feet in Dallas, Texas and 4,916 square feet in Houston, Texas. All offices are linked via high-speed network connections for maximum productivity.

Our team of professionals is backed by dedicated IT support staff, network engineering, and system administration. Equipped with the most recent advancements in computer technology relative to computer-aided design and drafting (CAD), we offer a highly collaborative work environment as well as multiple solutions for file transfer and sharing. If desired, we can also provide training for end-users in latest offerings from AutoDesk and Bentley.



Fig.1: GPD offices in proximity to West Virginia

## DATACENTER AND NETWORK

- Privately Owned, Protected Datacenter
- Server and Data Redundancy
- Best-in-Class Virtualization Technologies
- Best-in-Class Backup, Recovery, and Archive systems
- High-Speed Office Interconnections
- Best-in-Class Network and Firewall Equipment

## END-USER COMPUTING

- High-Performance CAD workstations
- State-of-the-Art Virtual Desktop Infrastructure
- Inter-Office Collaboration and Communications
- High-Quality Printer and Plotter technologies

## SOFTWARE

- Microsoft Server Technologies
- Microsoft Office Suites and Collaboration Solutions
- Adobe Design Suites
- AutoDesk Design Suites, including AutoCAD, Revit, and Civil3D
- Bentley Design Products
- ESRI GIS Products
- Titles from RISA, Tower Numerics, Trimble, etc.