



GRW | engineers | architects | planners
801 Corporate Drive • Lexington, KY 40503
859.223.3999 • www.grwinc.com

May 29, 2013

05/30/13 10:09:56 AM
West Virginia Purchasing Division

West Virginia Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305-0130

RE: WV ARNG MEDCOM Facility Build-Out Design, Solicitation #DEFK13010

Dear Selection Committee Members:

GRW appreciates the opportunity to submit our statement of qualifications for the West Virginia Army National Guard MEDCOM Build-Out Design project.

As the lead firm of our team, GRW will provide project management, and architectural, mechanical, electrical, communications, structural, and force protection design services. Our team's subconsultant Chapman Technical Group, a West Virginia-based firm, will provide interior, landscape and site design services, with additional support related to architecture services as required. Section 1.0 offers an introduction to each firm's experience and capabilities.

As we outline our team's qualifications, we are mindful that your successful project will involve several key elements:

- Knowledge and experience with the design of military *and* medical facilities
- Qualified staff with expertise and capacity
- Proven ability to meet your goals for cost and schedule

We Have The Experience – Military and Medical.

GRW brings to the table a wide ranging body of military experience that includes work for the National Guard, Army Corps of Engineers, Air Force and Navy. We have the specialized knowledge required to successfully complete a military design project – including compliance with ATFP building/site security requirements, UFC design criteria, and ARNG programming criteria. Additionally, our diverse range of healthcare project experience includes work for the Veterans Administration, UnitedHealth Group, and the University of Kentucky Medical Center.

Encompassing facility renovations, expansions, and new construction, GRW's relevant military and healthcare experience is summarized as follows:

- West Virginia ANG 130th Airlift Wing Building 107 Renovation, Charleston, WV
- West Virginia ARNG Camp Dawson Live Fire Exercise Shoot House, Camp Dawson, WV
- Indiana ARNG 76th Brigade Combat Team Readiness Center, Lawrence, IN
- West Virginia ANG 130th Airlift Wing Security Forces Squadron Facility Renovation and Expansion, Charleston, WV
- Ohio ARNG Joint Armed Forces Reserve Center, Springfield, OH
- UnitedHealth Group Lexington Green Office Fit-Up, Lexington, KY
- UnitedHealth Group Paragon Place Office Fit-Up, Louisville, KY
- VA Medical Center, Leestown Road Division, Building One Radiology Renovation, Lexington, KY
- UK Hospital 4 North Nursing Unit Renovation, Lexington, KY
- Eastern State Mental Hospital Allen Building Renovation, Lexington, KY



- West Virginia ARNG Relocation of Camp Dawson Electrical Power and Communications Lines, Kingwood, WV
- Indiana ANG 122nd Fighter Wing Security Forces Operations and Training Facility, Fort Wayne, IN
- Kentucky ANG 123rd Airlift Wing Contingency Response Group Facility, Louisville, KY
- Fort Campbell Barracks Renovation, Ft. Campbell, KY
- Eastern State Mental Hospital Kennedy Building Roof Replacement, Lexington, KY
- Eastern State Mental Hospital Wendell Building Exterior Renovation, Lexington, KY
- Highlands Regional Medical Center Emergency Department Renovation/Addition, Prestonsburg, KY
- The Laurels Extended Care Facility Addition, Harlan, KY

We Have The Talent and Capacity.

For the WV ARNG MEDCOM project, GRW has assembled a team of professionals that specialize in the renovation of similar facilities for our military and healthcare clients. Our team includes Project Manager Dale Adams, AIA, who has nearly three decades of architectural design experience. His medical project experience includes the expansion and renovation of Saint Joseph Hospital in Lexington, KY, and one of Mr. Adams' recent WV ARNG projects includes the Camp Dawson Live Fire Exercise Shoot House. **Please see Section 2 for an excerpt of Col. William Suver's favorable Past Performance Questionnaire/Evaluation of this project which was managed by Mr. Adams.** Furthermore, GRW has the resources and capacity – a building design studio of 12 architectural professionals and more than 40 electrical, mechanical, structural and civil/site engineers and technicians – to ensure your project's success.

We Will Meet Your Budget and Schedule.

Taking care to meet your goals for your budget and schedule is a priority, as it is on every GRW project. From our extensive federal, state and local government experience, we know how to "Design to Cost" by matching the design to the funds available for the project, and thus eliminating the need for redesigns and re-bids to bring the cost within budget. If appropriate, we will establish bid alternates on selected items to help control the budget.

You can also count on GRW to provide you with the in-house resources you need to complete your project. As previously mentioned, GRW's in-house engineering is a significant technical asset for this project team. **Examples of our ability to successfully manage budgets and schedules are provided in Section 4.**

We Are Committed to Your Success.

The ultimate measure of success of your proposed project is how well the completed project meets your needs and aspirations. To this end, our project team is committed to establishing an inclusive, methodical and logical approach to the design process. We believe the GRW team is ideally suited to work with you to produce a functional, modern and aesthetically pleasing facility that can be easily maintained for many years to come.

Thank you for your consideration and for the opportunity to work with the West Virginia Division of Engineering and Facilities, and the West Virginia Army National Guard on this project. We look forward to the next step in your selection process where we can present our additional ideas toward the successful completion of your project.

Very truly yours,

A handwritten signature in black ink that reads "Shane Lyle".

Shane Lyle, AIA
Vice President



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Solicitation

NUMBER
DEFK13010

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE 304-558-2544

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
 GRW
 801 Corporate Drive
 Lexington, KY 40503

SHIP TO

DIV ENGINEERING & FACILITIES
 ARMORY BOARD SECTION
 1707 COONSKIN DRIVE
 CHARLESTON, WV
 25311-1099 304-341-6368

DATE PRINTED
05/01/2013

BID OPENING DATE: 05/30/2013 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	QAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
SION SERVICES EXPRESSION OF INTEREST (EOI) THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL DESIGN SERVICES FOR A MEDICAL COMMAND FACILITY, TROOP MEDICAL CLINIC LOCATED IN CHARLESTON, WV, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS. ATTACHMENTS INCLUDE: DEFK13010 EXPRESSION OF INTEREST INSTRUCTIONS TO VENDORS SUBMITTING BIDS GENERAL TERMS AND CONDITIONS CERTIFICATION AND SIGNATURE PAGE PURCHASING AFFIDAVIT ***** THIS IS THE END OF RFQ DEFK13010 ***** TOTAL:						

SIGNATURE <i>Tara Lyle</i>	TELEPHONE (859) 223-3999	DATE 5/29/2013
TITLE Vice President	FEIN 61-0665036	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

GRW

(Company)



(Authorized Signature)

Shane Lyle, Vice President E: SLyle@grwinc.com

(Representative Name, Title)

(859) 223-3999

(Phone Number)

(859) 223-8917

(Fax Number)

5/29/2013

(Date)

SOLICITATION NUMBER: DEFK13010
Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as DEFK13010 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

To clarify bid opening date. Page 2 of the EOI stated the bid opening date as 05/29/2013. The WV Purchasing Bulletin and Page 1 of the EOI stated a bid opening date of 05/30/2013. The bid opening date is 05/30/2013 at 1:30 pm.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DEFK13010

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

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

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that 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.

GRW

Company

Shea Lyle

Authorized Signature

5/29/2013

Date

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

Expression of Interest

Professional Design Services for WV ARNG MEDCOM Facility Build-Out Design Charleston, WV

Solicitation No.: DEFK13010



West Virginia Purchasing Division, West Virginia
Division of Engineering and Facilities, and
West Virginia Army National Guard

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1.0 Introduction to GRW Team



Founded nearly 50 years ago, GRW is a full-service architectural, engineering, and geospatial firm with a staff of more than 220 professionals. Our corporate culture is one of close collaboration among our multidisciplinary project teams, combined with strong management leadership. Technical excellence and personal service are guiding principles at GRW, resulting in repeat clients providing 90 percent of GRW's current workload.

GRW Professional Services

- Architecture
- Mechanical Engineering
- Electrical Engineering
- Structural Engineering
- Civil/Site Engineering
- Water, Wastewater and Stormwater System Engineering
- Transportation Engineering
- Master Planning
- Three Dimensional Modeling
- AutoCAD, Microstation, and BIM Deliverables
- Sustainable Design
- Anti-Terrorist Force Protection and Physical Security
- Construction Administration and Resident Project Representation (Inspection)
- Operations and Management Support
- Cost Estimating
- Alternative Project Delivery Methods (Design/Build, CM)
- Aerial Mapping and Surveying
- Geographic Information Services

Building Design Studio



GRW offers a full-service building design studio, with 12 architectural professionals supported by an in-house team of more than 40 electrical, mechanical, structural and civil/site engineers and technicians. Our experienced, customer-focused team delivers award-winning, highly functional projects, including facility renovations, expansions, and new construction for federal, local and state governments, as well as commercial markets.



Building Design and Construction's Giants 300 report ranks GRW among the nation's top firms in design and construction.



Chapman Technical Group's St. Albans Office



**Chapman
Technical
Group**

With offices in St. Albans, Buckhannon, and Martinsburg, West Virginia, Chapman Technical Group offers an extensive range of professional architectural, engineering, interior design and landscape architectural services. Established in 1984, Chapman Technical Group has steadily grown to a diverse firm of professionals, many of whom were educated in West Virginia colleges and universities. The firm has achieved an outstanding reputation for providing high-quality design projects, while meeting client schedules and budgets, and has received numerous awards for our work.

Chapman Technical Group's facilities are both state-of-the-art and architecturally significant. Pictured above, the firm's St. Albans office, a former post office, is listed on the National Register of Historic Places.

Chapman Technical Group offers a broad range of professional services and capabilities including:

- Airport Design
- Architecture
- Civil Engineering
- Fire Pumping & Protection
- Interior Design
- Landscape Architecture
- Recreational Facilities
- Roads, Highways, & Bridges
- Site Development
- Space Planning
- Surveying
- Water & Wastewater Systems

2.0 Experience with Similar Projects

West Virginia ANG 130th Airlift Wing Building 107 Renovation Charleston, West Virginia

This project includes two separately funded (MILCON/SRM) sub-projects. These two companion projects are designed to repurpose an existing unoccupied hangar into administrative and storage spaces for the Aeromedical Evacuation Squadron (AES).

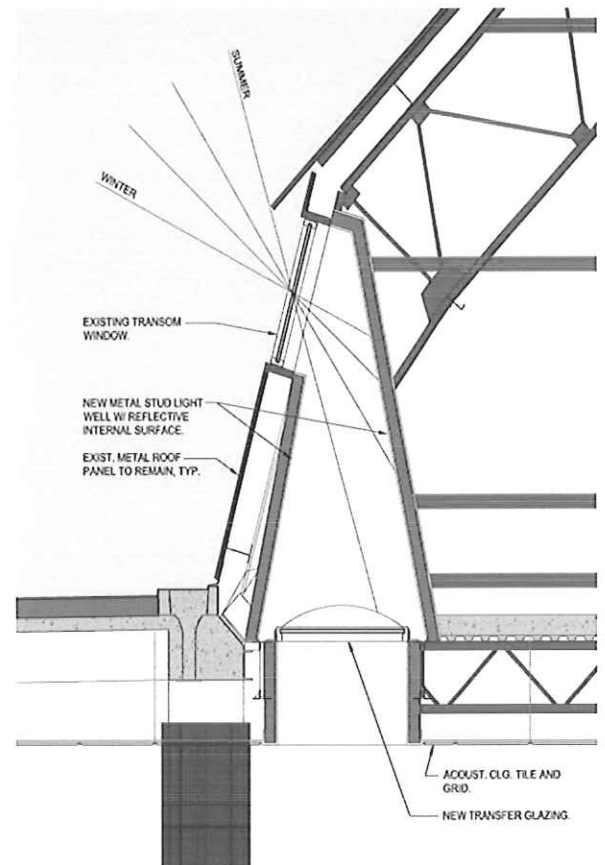


The following is a summary of the scope of the project.

- Upgrade mechanical and electrical systems to meet current building codes and standards
- Replace inadequate restrooms and locker rooms
- Replace fire alarm and fire protection systems
- Harden the front façade, replace windows, and eliminate on-street parking to achieve ATRP compliance
- Construct new interior spaces and repurpose existing shop areas to create necessary office, training, and support spaces.

The completed building will include the following programmed spaces:

- Command and administration
- Medical equipment maintenance
- Crew training and support
- Mobile storage and staging
- Conference rooms, classrooms, and break rooms
- Restrooms and locker rooms
- HVAC, electrical, and communications support

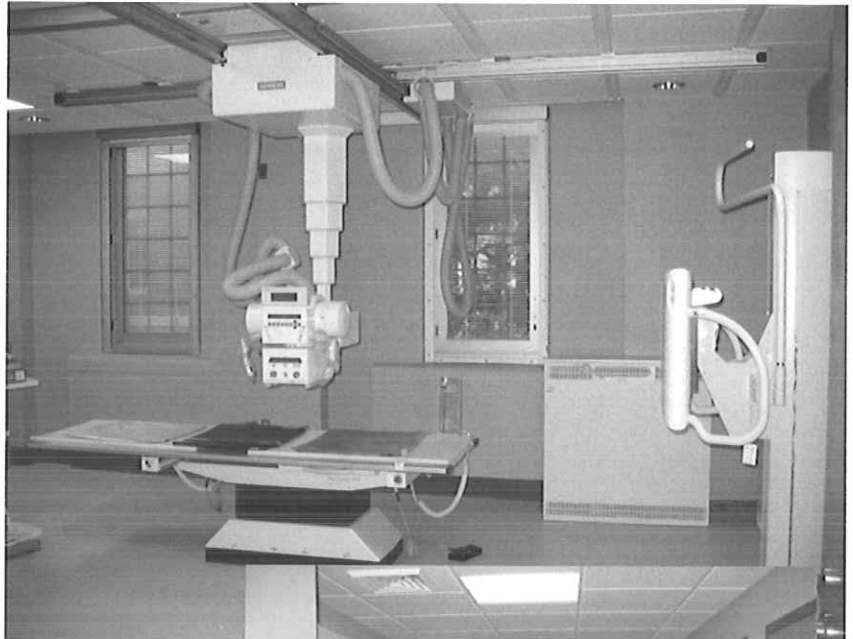


Client Contact: Lt. Col. John W. Dulin, Base Civil Engineer, West Virginia Air National Guard, 130th Airlift Wing, 1679 Coonskin Drive, Charleston, WV 25311-5010; (304) 341-6270; john.dulin@ang.af.mil

VA Medical Center, Leestown Road Division Building One Radiology Renovation Lexington, Kentucky

GRW was awarded an Architecture/Engineering Services Indefinite Delivery/Indefinite Quantity (ID/IQ) contract for the two VA Medical Centers located in Lexington, KY. Acute medical, neurological, surgical and psychiatric inpatient services are provided at the Cooper Division, located adjacent to the University of Kentucky Medical Center. The Leestown Division offers inpatient Post-Traumatic Stress Disorder (PTSD) treatment, nursing home care, hospice and respite services, home based primary care, prosthetics and orthotics, geriatrics, optometry, mental health, and substance abuse treatment as well as primary care and women health.

This contract delivery order included the renovation of approximately 3,300 SF of Building One to accommodate three new radiological equipment rooms. Each room was equipped with technician control space, radiation lead shielding, emergency vacuum pump system, and individual patient restrooms. In addition, each radiology room was designed and fit-up based on the VA's and Siemens standards, allowing Siemens-certified installers to install the equipment without conflict.



The renovated space also contains a reception desk, waiting area with seating for approximately 25 people, a physician's office, break room, employee restroom, visitor's restroom, multiple equipment storage areas, and support spaces. All existing asbestos pipe insulation and floor tile / mastic uncovered during demolition was properly removed and disposed of. The project also includes the replacement of the existing electrical, telecommunications, mechanical, plumbing, and fire protection systems. Light fixtures utilize T8 lamps that are low mercury (LEED-EB) occupancy sensors control lighting per energy code. The Building One departments on the floors below, above and adjacent to the new radiology department remained in full use during construction. Power shutdowns and noisy construction periods were limited and coordinated a minimum of 72 hours in advance with the surrounding occupants to minimize disturbances and/ refrain from creating unpleasant working conditions.



Client Contact: John Denny, Veterans Affairs Medical Center, Cooper Division, Planning and Projects (138-LD), 1101 Veterans Dr., Lexington, KY 40502; (859) 233-4511 x3363

Indiana ARNG Readiness Center Lawrence, Indiana



GRW provided design services for a new 109,555 SF two-story Army National Guard (ARNG) Readiness Center located on a site that was formerly part of Fort Benjamin Harrison.

This Readiness Center includes the following functional spaces and features:

- **Private offices and administrative common spaces**
- **Medical section room**
- **Physical fitness area**
- **Locker rooms**
- Classrooms and library
- Gymnasium-type multipurpose assembly hall with fully functional kitchen
- Heated and unheated storage areas
- Building operating spaces and support spaces
- Communications room
- Energy management and control system, intrusion detection system, mass notification system
- Emergency power generator
- Site anti-terrorism / force protection measures, security lighting, utilities and landscaping
- Stormwater bio-retention pond



Client Contact: Major Chris Purtell, Contracting Officer, Indiana Army National Guard, 2002 South Holt Road, Indianapolis, IN 46241-4839; (317) 247-3514; chris.purtell@us.army.mil

West Virginia ARNG Camp Dawson Live Fire Exercise Shoot House Kingwood, West Virginia

GRW provided full architecture and engineering services for the design and construction of a \$2 million Live Fire Exercise Shoot House (LFSH) complex. This project was completed as a combination design-build and design-bid-build program. Primary facilities include a LFSH (1,600 SF), an Operations/Storage facility (1,163 SF), an After Action Review (AAR) facility (1,362 SF) and an Ammunition Breakdown facility (593 SF), totaling approximately 4,720 SF.

The West Virginia ARNG acquired property, a former industrial complex adjacent to Camp Dawson, which included several vacant buildings. The project's first phase involved an on-site Project Planning Document Charrette (PPDC) which enabled the GRW design team to collect information about the vacant buildings and site, interview user groups, develop conceptual floor and site plans, and validate the project DD 1391.

Following the PPDC, GRW developed a conceptual design package for the re-purposing of an abandoned metal warehouse into the 1,600 SF LFSH. This package included drawings and specifications that formed the basis of a design-build RFP. Final design and construction of the LFSH unit was completed by the selected vendor, under the supervision of GRW and the WV ARNG.

After completion of the LFSH, GRW prepared the design package for the remaining support facilities, which included the Operations/Storage, AAR and Ammo Breakdown facilities; renovation of an existing restroom in the warehouse; and access road, parking area and site utilities. GRW also provided construction administration services for this part of the project which utilized the traditional design-bid-build project approach.

Client Contact: Col. William Suver, Base Operations Manager, West Virginia Army National Guard, 1703 Coonskin Drive, Charleston, WV 25311; (304) 791-4457; bill.suver@us.army.mil

W912QR-13-R-0013

TO BE COMPLETED BY CLIENT

PLEASE CIRCLE THE ADJECTIVE RATING WHICH BEST REFLECTS YOUR EVALUATION OF THE CONTRACTOR'S PERFORMANCE.

1. QUALITY:									
a)	Quality of technical data/report preparation efforts	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
b)	Ability to meet quality standards specified for technical performance	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
c)	Timeliness/effectiveness of contract problem resolution without extensive customer guidance	<input type="radio"/> E	<input checked="" type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
d)	Adequacy/effectiveness of quality control program and adherence to contract quality assurance requirements (without adverse effect on performance)	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
2. SCHEDULE/TIMELINESS OF PERFORMANCE:									
a)	Compliance with contract delivery/completion schedules including any significant intermediate milestones. (If liquidated damages were assessed or the schedule was not met, please address below)	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
b)	Rate the contractor's use of available resources to accomplish tasks identified in the contract	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
3. CUSTOMER SATISFACTION:									
a)	To what extent were the end users satisfied with the project?	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
b)	Contractor was reasonable and cooperative in dealing with your staff (including the ability to successfully resolve disagreements/disputes; responsiveness to administrative reports, businesslike and communication)	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
c)	To what extent was the contractor cooperative, businesslike, and concerned with the interests of the customer?	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
d)	Overall customer satisfaction	<input type="radio"/> E	<input checked="" type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
4. MANAGEMENT/ PERSONNEL/LABOR									
a)	Effectiveness of on-site management, including management of subcontractors, suppliers, materials, and/or labor force?	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
b)	Ability to hire, apply, and retain a qualified workforce to this effort	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
c)	Government Property Control	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
d)	Knowledge/expertise demonstrated by contractor personnel	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
e)	Utilization of Small Business concerns	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
f)	Ability to simultaneously manage multiple projects with multiple disciplines	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
g)	Ability to assimilate and incorporate changes in requirements and/or priority, including planning, execution and response to Government changes	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
h)	Effectiveness of overall management (including ability to effectively lead, manage and control the program)	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		
5. COST/FINANCIAL MANAGEMENT									
a)	Ability to meet the terms and conditions within the contractually agreed	<input checked="" type="radio"/> E	<input type="radio"/> VG	<input type="radio"/> S	<input type="radio"/> M	<input type="radio"/> U	<input type="radio"/> N		

Past Performance Questionnaire from Col. William Suver, WV ARNG

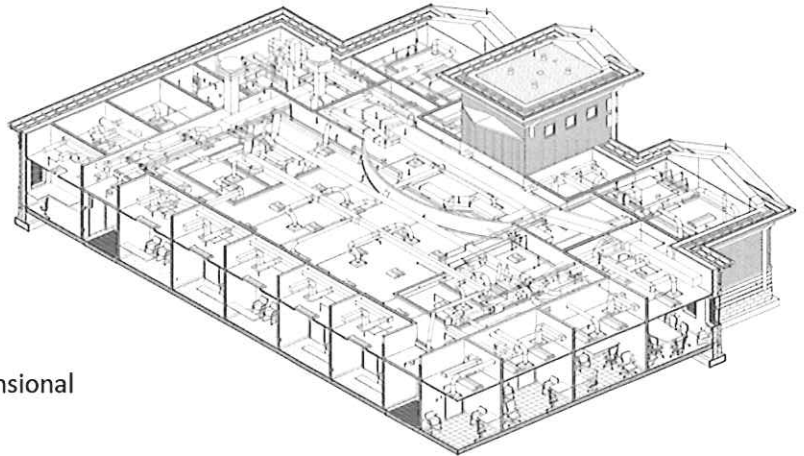
E=Exceptional; VG=Very Good; S=Satisfactory;
 M=Marginal; U=Unsatisfactory; N=Not Applicable



Warriors in Transition Headquarters Building Fort Knox, Kentucky

GRW is providing architectural design, and site/civil, mechanical, electrical and structural engineering services (including BIM model) for design-build of new Warriors in Transition Headquarters Building.

The building is being designed to meet LEED Silver design criteria. Construction is single-story load bearing masonry with truss roof framing and dimensional shingle roofing.



The approximately 7,000 SF building provides:

- Reception area
- Shared work station space
- Conference room
- Private offices (including nurses stations and offices for social workers/case management)
- Restrooms/showers
- Kitchenette

Client Contact: Jeff Dowell, Project Manager, Intersteel, Inc., Louisville, KY (502) 778-9800, ext. 110; jeff.dowell@intersteelinc.net



West Virginia ANG 130th Airlift Wing Security Forces Squadron Facility Renovation and Expansion Charleston, West Virginia

GRW was retained to provide complete architectural and engineering Type A, B and C services for renovating the existing 5,395 SF Security Forces Squadron facility and adding 2,500 SF of administrative and training space to the facility. This project uses MILCON/SRM split funding to deliver a renovated and expanded SFS facility, which provides increased space for command and administrative functions.

Key program elements include:

- Expanded command/administrative space
- Arms vault
- Training rooms
- SIPRNet
- ATFP building/site security
- ADA compliance
- Geothermal
- Split MILCON/SRM funding
- Extensive communications infrastructure

This project will meet LEED Silver measures for sustainable design.

Client Contact: Lt. Col. John W. Dulin,
Base Civil Engineer, West Virginia Air
National Guard, 130th Airlift Wing,
1679 Coonskin Drive, Charleston, WV
25311-5010; (304) 341-6270;
john.dulin@ang.af.mil



FLOOR PLAN

Northpoint Training Center Replacement Burgin, Kentucky



GRW provided design and construction oversight services for this fast-track project to rebuild prison facilities at the Northpoint Training Center in Burgin, KY. Originally a 1940's psychiatric hospital, the campus was later converted into a state corrections facility. A fire in 2009 rendered five buildings at the site complete losses.

Following a week long programming charrette with the Kentucky Department of Corrections and the Kentucky Division of Engineering, the 41,646-SF project program (two new buildings and renovation of seven buildings) was defined and preliminary building placement locations were determined. The two new buildings met the LEED Certified Design Criteria.

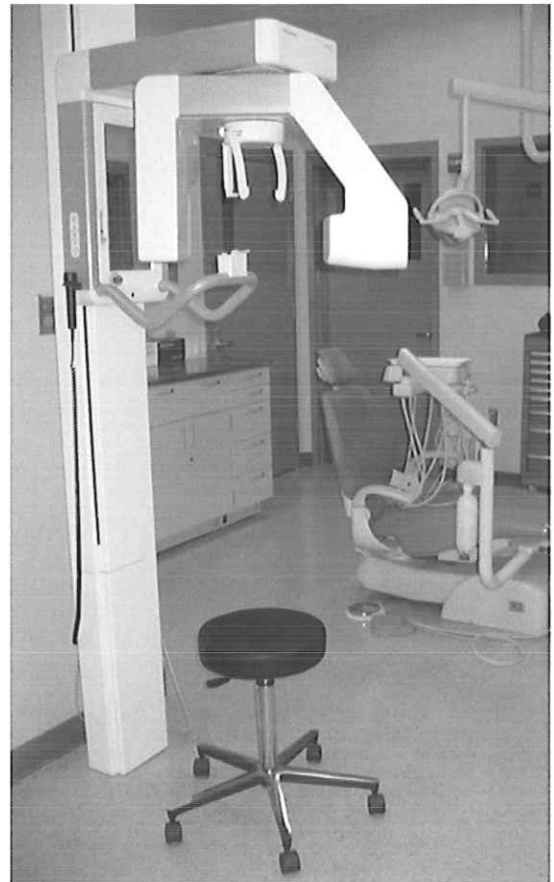
Centrally located adjacent to the six dormitories, the 40,000 SF Program Building includes:

- **Medical and dental clinics**
- Commercial kitchen
- Two dining rooms
- Canteen
- Multipurpose classrooms
- Library

GRW was responsible for all mechanical and electrical systems, structural and civil engineering, as well as architectural services for this project. The electrical scope included the addition of a 2 megawatt central auxiliary power generator (12.47 KV) and power distribution system for the entire prison.

To allow the contractor to break ground and complete site utilities, foundations, building envelopes before winter weather, the project was bid in six bid packages: building demolition, fencing, site/foundation, structural steel, building envelope and mechanical/electrical/interior finishes.

Client Contact: Bruce Wilson, Commonwealth of Kentucky, Div. of Engineering & Contract Admin., Bush Building, 403 Wapping Street, Frankfort, KY 40601; (502) 564-3155 x 273; bruce.wilson@ky.gov





Physicians Mall Entrance Canopy and Interior Finish Renovation Lexington, Kentucky

GRW provided design and construction administration services for a new entrance canopy, as well as interior finishes renovation, for the Physicians Mall located at 1725 Harrodsburg Road in Lexington, KY.

The entrance canopies entailed construction of two 350-SF cantilevered canopies and landscaping to the south and west of the existing facility including: concrete walks, grass areas, planter areas, trees, shrubs, benches, cast in place concrete canopy columns, tube steel cantilevered canopy structure, exposed wood roof decking, standing seam metal roof panels, and accent lighting.

The interior renovation of the building, which was occupied during construction, consisted of new finishes for 5,000 SF of corridor space. Work included preparation of the existing exposed aggregate floor for a new resinous floor finish system, preparation of existing wall sheathing and running trim for a new paint finish, preparation of the above ceiling space for new above ceiling paint finish including all existing fire suppression lines, removal of existing wall mounted cove lighting, removal and re-installation of existing signage, new open cell grid ceiling system, suspended ceiling accent panels, new suspended gypsum board ceiling clouds, and new decorative light fixtures.

Building Information Modeling (BIM) was used in the design development and construction documentation phases of the project in order to provide visual representations of the entrance canopies and interior finish renovation to the owner for a comprehensive understanding of the design intent as well as expediting the development of the construction documentation process.

Client Contact: Dr. George Privett, Lexington Diagnostic Center, 1725 Harrodsburg Road, Suite 100, Lexington, KY 40504; (859) 278-7226; GWPRIVETT@aol.com

Aliceville Federal Correctional Institution and Satellite Camp

GRW led the design team, in conjunction with Caddell/Yates JV, for the design-build of a women's medium-security Federal Correctional Institution and minimum-security Federal Prison Camp located near Aliceville, Alabama. This \$196 million, LEED Silver-certified, project has a gross building area of approximately 665,889 SF, and will house approximately 1,790 inmates. The FCI campus plan places the three, 4-story housing units, and program and multipurpose functions in a semi-circular campus layout enclosing a central secure compound.

Among the prison's numerous components is a 12,324 SF medical services building, containing medical and dental suites, located within the secure compound.

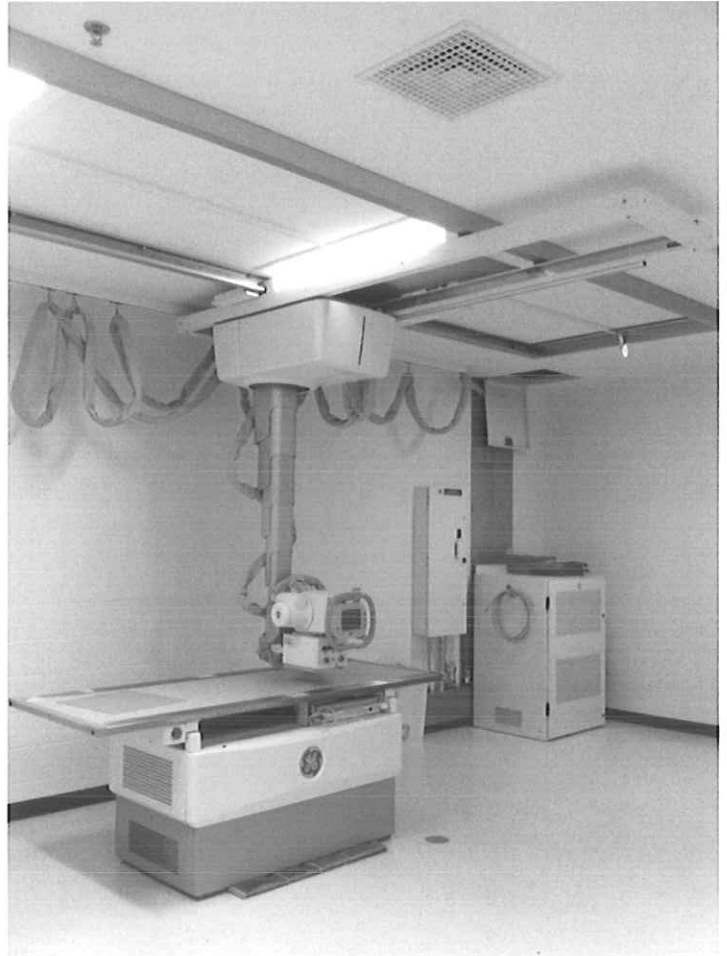
The medical suite includes:

- X-ray room
- Clinical laboratory
- Procedure/treatment room
- Numerous triage/exam rooms
- Mammography exam room
- Sterilization room
- Optometry/audiology room
- Pharmacy

The dental suite includes:

- Dental operator room
- Dental office
- Dental lab

The camp core building, located outside the secure compound, also houses a medical/dental suite. This smaller medical area includes a treatment/exam room, exam room, and dental treatment room.



Client Contact: Mitch Miskimins, Project Manager, Federal Bureau of Prisons, Design and Construction Branch, 500 First Street, NW, Washington, DC 20534; (202) 514-9582; mmiskimins@bop.gov



Ohio ARNG Joint Armed Forces Readiness Center Springfield, Ohio

GRW provided full-discipline A/E services for planning, design and construction of a new **LEED Silver Certified** 85,865 SF Joint Armed Forces Readiness Center (AFRC) and Field Maintenance Shop (FMS) for the OH Army National Guard (ARNG) and the US Army Reserves in Springfield, Ohio. These facilities are designed to match the architecture of the facilities on an adjacent site occupied by the Ohio ANG. The administrative/training complex includes the following functional spaces and features:

- Private offices and administrative common spaces
- Classrooms and library
- Gymnasium-type multipurpose assembly hall with fully functional kitchen
- Physical fitness area
- Heated and unheated storage areas
- Full cutoff luminaires for site lighting to eliminate light trespass
- Occupancy sensor controlled interior lights throughout
- T5 low mercury, high-efficiency fluorescent lamps and electronic ballasts
- Energy submetering connected to building management sy
- Site anti-terrorism/force protection measures, security lighting, utilities and landscaping



Client Contact: George McCann, Project Manager, CFMO, Ohio Army National Guard, 2825 W. Dublin-Granville Road, IMR-DP, Columbus, OH 43235-2788; (614) 336-7413; george.c.mccann@us.army.mil



Mason County Health Department Clinic Point Pleasant, West Virginia

Chapman Technical Group designed this building to fit within the historical atmosphere of Point Pleasant. The style of the building is refined colonial and includes elements such as dormers, cornice moldings, brick quoins, door mantels, pilasters, and decorative window heads. The entrance of the building has a pediment with a medallion of garland leaves which is a reference to the health/medical profession. **The 5,000 square foot building has exam rooms, offices for the staff, a conference room, kitchen, x-ray/lab room, accessible restrooms, and a play area in the waiting room for younger children.**

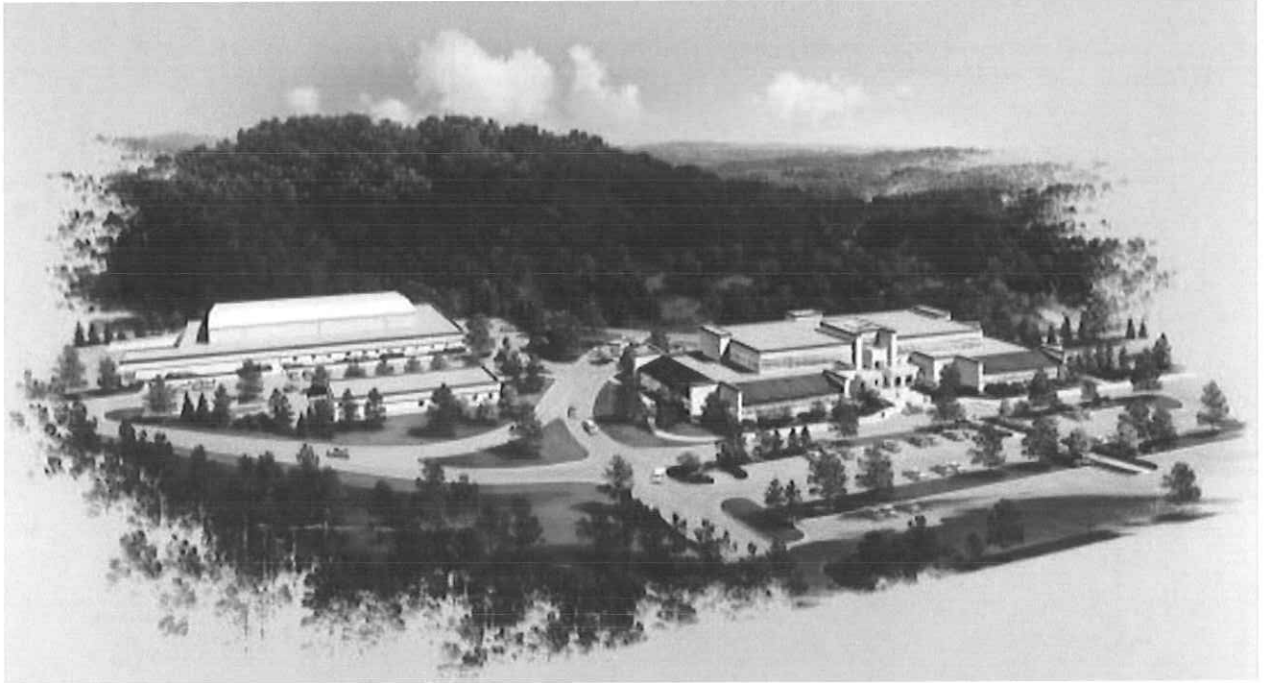


VA Medical Center, Buildings 5 & 6 Huntington, West Virginia

Chapman Technical Group provided civil engineering and landscape architectural services for the Huntington Veterans Administration Hospital Mental Health campus renovation project.

Included in the first phase of the project was the renovation and expansion of Buildings 5 and 6. Chapman Technical Group's scope of work included major utility relocation, the design of an expanded parking area, site planning and design to provide ramp free ADA access, and landscape planning for the entire campus. Chapman Technical Group was also the prime consultant for a steam line relocation that was part of the campus renovation.





West Virginia Air National Guard Support Complex Charleston, West Virginia

This project involved design and construction inspection services for a new complex of buildings for the West Virginia Air National Guard 130th Airlift Group to include a new Headquarters Building, Consolidated Base Supply, and Security Police Headquarters. Chapman Technical Group's responsibility encompassed all site, civil engineering and landscape architectural design including site grading and drainage, storm sewers, sanitary sewers, underground electric, base-wide underground communications system, natural gas supply, potable and fire water supplies, roads and parking facilities, and pedestrian circulation.



Crane Naval Support Activity, Crane, IN

GRW is providing design services as the contractor's lead consultant on these design-build projects:

Depot Operations Field Office (Building 3304): GRW is providing full A/E design and construction administration services for the design-build of a new Depot Operations Field Office at Crane Naval Support Activity. The pre-engineered metal building will be approximately 2,700 SF and serve a maximum of 40 people. Functional areas of the field office include two private offices, common office area, break room, computer kiosk bank of seven computers with field scanner docking stations, storage and equipment room, restroom/locker rooms, and mechanical space. Adequate existing parking exists, but ADA parking and sidewalks will be added. AFTP standoffs from the new building to the new ADA spaces and any existing or modified parking spaces and roadways will be maintained. Necessary utilities will be extended and reconnected.

Crane NSA Building 174 Boiler Renovations: GRW is providing mechanical and electrical design, and construction administration services for the design/build replacement of heating systems at Building 174 and two other buildings. Scope includes:

- Demolition of the existing 20-year old steam heating system in two buildings (174 and 3299) and replacement with new hot water heating system. Mechanical and electrical equipment installed as part of the design is rated explosion proof.
- Removal of the electric heat and the installation of two new hot water boilers in building 3397.
- Connection of all three buildings (174, 3299 and 3397) with above-ground hot water pipe.

Client Contact: James Duzan, Project Manager, NAVFAC Midwest PWD Crane, (812) 854-3398

Wright Patterson Air Force Base, Ohio

As part of a Louisville District USACE Design-Build MATOC, GRW is providing services for the following design-build projects at the Wright Patterson Air Force Base in Ohio.

Building 655 Renovation: GRW is providing architectural, and mechanical, electrical, and fire protection design services for the interior renovation of the first floor lab area in building 655 at the Wright Patterson Air Force Base in Ohio. The approximately 4,320 SF project will to accommodate the NDE Laboratory, open office and computer storage complete with associated utilities.

Consolidate / Renovate Building 614: GRW is providing A/E design services for demolition of Building 745 CE Grounds Maintenance, and the consolidation and renovation of existing Building 614 CE Grounds Maintenance Shop; and addition to Building 614 in Area B.

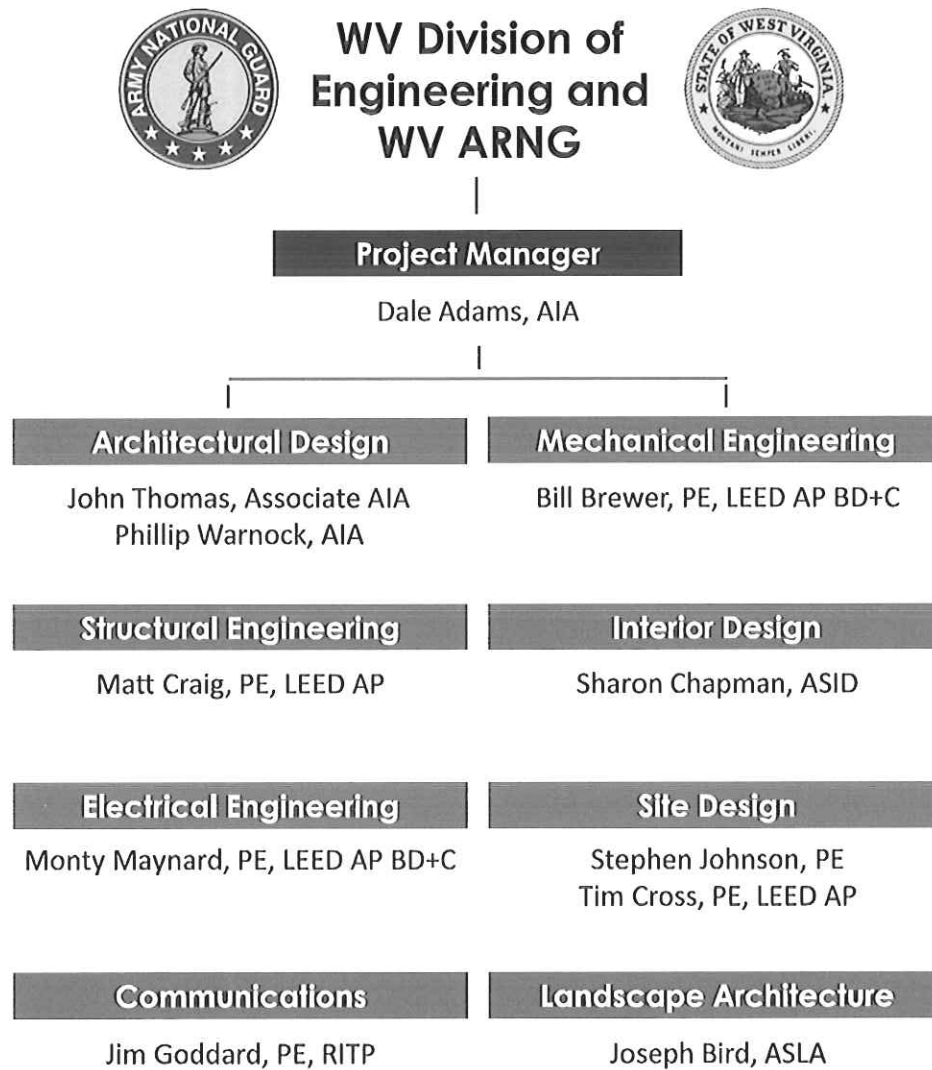
Steam Line Replacement: GRW is the lead designer for steam line replacement projects at four Wright-Patterson Air Force Base buildings. GRW is providing plans and specifications to reconfigure the steam distribution system serving buildings 612, 614, 615, and 622. The scope of work includes performing load calculations on existing buildings, demolition and repurposing of portions of the above-ground and below-grade site steam distribution systems, installation of new boiler systems within two of the buildings, replacement of gas service to these buildings, and replacement of steam and hydronic distribution systems.

Client Contact: Dean Vinson, Design Manager, Wright-Patterson Air Force Base, (937) 656-3421

3.0 Project Team and Resumes

For the WV ARNG MEDCOM project, GRW has assembled a team of professionals that specialize in the renovation of similar facilities for our military, as well as our healthcare clients. As the lead design firm, GRW will provide project management, and architectural, mechanical, electrical, communications, structural and force protection design services. Our team’s subconsultant Chapman Technical Group, a West Virginia-based firm, will provide interior, landscape and site design services, with additional support related to architecture services as required. The organizational chart below lists our proposed project team members and indicates each person’s anticipated role. Our team will work closely with you to ensure your renovated facility reflects your vision as a space that indicates the mission of the West Virginia Army National Guard.

Organizational Chart



Dale Adams, AIA

GRW Project Manager



Years of Experience: 27 **Years with GRW:** 4

Education

Bachelor of Architecture, 1985, University of Oklahoma

Registration

Registered Architect: KY, WV, TX

National Council of Architectural Registration Boards (NCARB) Certification

Professional Affiliations and Training

American Institute of Architects

Qualifications and Similar Project Experience

Mr. Adams will oversee all aspects of the project and serve as the project architect. He has nearly three decades of similar project management and architectural design experience, including several projects for the West Virginia National Guard. At GRW, Mr. Adams' activities include fee proposals, proposal negotiations, charrettes, schematic design, programming, project planning, design development and construction documents.

- **West Virginia ANG 130th Airlift Wing Building 107 Renovation, Charleston, WV** - Architect.
- **West Virginia ANG 130th Airlift Wing Security Forces Squadron Facility Renovation and Expansion, Charleston, WV** - Project Manager.
- **West Virginia ARNG Camp Dawson Live Fire Exercise Shoot House, Camp Dawson, WV** - Project Manager.
- **West Virginia ANG 130th Airlift Wing Squadron Operations Facility Repair, Charleston, WV** - Project Manager.
- **Texas ANG 136th Airlift Wing Electronic Countermeasures (ECM) Shop, NAS JRB, Fort Worth, TX** - Project Manager.
- **Texas ANG 147th Reconnaissance Wing Munitions Maintenance Shop, Ellington Field JRB, Houston, TX** - Project Manager.
- **Texas ANG 136th Airlift Wing Security Forces Squadron Facility, NAS JRB, Fort Worth, TX** - Project Manager.
- **Kentucky ANG 123rd Airlift Wing Roof Replacements, Louisville, KY** - Project Manager
- **Wendell H. Ford Regional Training Center M203 Grenade Launcher Range, Greenville, KY** - Project Manager.
- **Kentucky ANG 123rd Airlift Wing Contingency Response Group Facility, Louisville, KY** - Project Manager.
- **US Army Reserve Center Revitalization Projects in Bell, CA; Hastings, NE; Lakeland, FL; Billings, MT; Edgemont, PA; and Owings Mills, MD** – Architect.
- **Wright Patterson AFB Consolidate / Renovate Building 614, Wright-Patterson AFB, IL** - Architect.
- **Lewis County Health Department, Vanceburg, KY** - Project Manager.
- **Saint Joseph Hospital Expansion & Renovation, Lexington, KY** – Project Architect.

John Thomas, Assoc. AIA

GRW Architectural Design



Years of Experience: 17

Years with GRW: 16

Education

Bachelor of Architecture, 1996, University of Kentucky

Registration

Associate Member, American Institute of Architects

Professional Affiliations and Training

Kentucky Masonry Design Awards Honorable Mention

Qualifications and Similar Project Experience

Mr. Thomas offers you more than 17 years of exemplary experience with all aspects of architectural design and renovations including facilities for the National Guard. He has a diverse range of healthcare project experience including work for the Veterans Administration and the University of Kentucky Medical Center. His areas of responsibility typically include programming, design development, construction documents, bidding and negotiation services, code and ADA compliance, construction phase services, and cost estimating.

- **West Virginia ANG 130th Airlift Wing Building 107 Renovation, Charleston, WV** - Project Manager.
- **VA Medical Center, Leestown Road Division, Building One Radiology Renovation, Lexington, KY** - Project Manager.
- **VA Medical Center, Cooper Drive Division, Data Center Upgrade, Lexington, KY** - Architectural Designer.
- **VA Medical Center, Leestown Road Division, Electrical Upgrades, Lexington, KY** - Architectural Designer.
- **VA Medical Center, Leestown Road Division, Parking Improvements, Lexington, KY** - Project Manager.
- **UK Hospital Labor and Delivery Renovation, Lexington, KY** - Architectural Designer.
- **UK Markey Cancer Center Chemotherapy Infusion Suite, Lexington, KY** - Architectural Designer.
- **UK Nursing Building Renovation, Lexington, KY** - Project Manager.
- **Eastern State Mental Hospital Wendell Building Exterior Renovation and Kennedy Building Roof Replacement, Lexington, KY** - Architectural Designer.
- **Monroe County Health Department Expansion, Tompkinsville, KY** - Project Manager.
- **Monroe County Wellness Center, Tompkinsville, KY** - Project Manager.
- **Kentucky Transportation Cabinet District Offices Renovation, Various Locations, KY** - Architectural Designer.
- **Cumberland Valley Technical College (31,000 SF) Building One Renovation, Harlan, KY** - Architectural Designer.
- **Murray State University Winslow Cafeteria Renovation, Murray, KY** - Architectural Designer.
- **Corbin Utilities (30,500 SF) Office and Warehouse Buildings Renovation and Reuse, Corbin, KY** - Project Manager
- **Northpoint Training Center (41,646 SF total) Replacement, Burgin, KY** - Architectural Designer.

Matthew Craig, PE, SE, LEED AP GRW Structural Engineer



Years of Experience: 23

Years with GRW: 5

Education

B.S., Mechanical Engineering, 1990, The Ohio State University

M.S., Engineering (Focus on Structural), 1994, Purdue University

Registration

Professional Engineer: KY, AL, FL, GA, IN, LA, MD, MI, MN, MO, MS, NC, OH, PA, SC, TN, TX, VA, WI

LEED Accredited Professional

Professional Affiliations and Training

Structural Engineers Association of Kentucky (SEAoK), Past President

Qualifications and Similar Project Experience

Mr. Craig will oversee structural engineering services for your project. He has more than 23 years of experience and is extremely knowledgeable of the structural requirements for a wide range of military, government and institutional projects.

- **West Virginia ANG 130th Airlift Wing Building 107 Renovation, Charleston, WV** - Structural Engineer.
- **West Virginia ANG 130th Airlift Wing Security Forces Squadron Facility Renovation and Expansion, Charleston, WV** - Structural Engineer.
- **West Virginia ANG 130th Airlift Wing Squadron Operations Facility Repair, Charleston, WV** - Structural Engineer.
- **Ohio ARNG Joint Armed Forces Reserve Center and Field Maintenance Shop Complex, Springfield, OH** - Structural Eng.
- **Ft. Knox Warriors in Transition Headquarters Building, Fort Knox, KY** - Structural Engineer.
- **Wright Patterson AFB Building 655 Renovation, Wright-Patterson AFB, IL** - Structural Engineer.
- **Wright Patterson AFB Consolidate / Renovate Building 614, Wright-Patterson AFB, IL** - Structural Engineer.
- **Texas ANG 147th Reconnaissance Wing Munitions Maintenance Shop, Ellington Field JRB, Houston, TX** - Structural Engineer.
- **St. Vincent's Hospital Cancer Clinic and Parking Deck, Jacksonville, FL** - Structural Engineer.
- **Northpoint Training Center Replacement, Burgin, KY** - Structural Engineer.
- **Northpoint Training Center Structural Evaluation and Recommendations for Repairs to Existing Buildings, Burgin, KY** - Project Manager.
- **Louisville International Airport Quick Turnaround Facility (QTA), Louisville, KY** - Structural Engineer.
- **Fort Campbell Fire Fighting and Rescue Training Facility, Fort Campbell, KY** - Structural Engineer.
- **Colorado ANG 140th Air Wing Add/Alter Weapons Release Facility, Buckley AFB, CO** - Structural Engineer.
- **Del Rio Police Station, Del Rio, TX** - Structural Engineer.
- **Yazoo City U.S. Penitentiary and Satellite Camp, Yazoo City, MS** - Structural Engineer.
- **Toyota Motor Manufacturing Kentucky Building 611 Structural Evaluation, Georgetown, KY** - Project Manager.

Monty Maynard, PE, LEED AP BD+C

GRW Electrical Engineer



Years of Experience: 36

Years with GRW: 17

Education

B.S., Electrical Engineering, 1978, University of Kentucky

Registration

Professional Engineer (Electrical): KY, WV, IN, GA, TN, TX, NV, NC, MS, MI, AL, CA

NCEES Member allows reciprocity with other states

LEED Accredited Professional, Building Design + Construction

Qualifications and Similar Project Experience

Mr. Maynard will provide the team's electrical engineering design including lighting, power, security, and fire protection. He has designed electrical systems for more than 300 projects, including more than 20 National Guard projects, with total construction values as high as \$188 million. His areas of technical expertise include electrical power distribution, substation design, alarm systems, communications, lighting, lightning protection, instrumentation/controls/telemetry, power quality, energy efficiency and code compliance.

- **West Virginia ANG 130th Airlift Wing Communications Facility, Charleston, WV** - Electrical Engineer
- **West Virginia ARNG Joint Armed Forces Reserve Center and Area Maintenance Support Activity, Ripley, WV** - Electrical Engineer
- **VA Medical Center, Leestown Road Division, Fire Alarm and HVAC Controls Replacement, Lexington, KY** – Principal.
- **UnitedHealth Group Lexington Green Office Fit-Up, Lexington, KY** – Principal.
- **UnitedHealth Group Paragon Place Office Fit-Up, Louisville, KY** – Principal.
- **Marshall University Weisberg Family Engineering Laboratory, Huntington, WV** - Electrical Engineer.
- **Kentucky ANG 123rd Airlift Wing Renovation Projects, Louisville ANG Base, KY** - Electrical Engineer.
- **Kentucky ARNG Joint Armed Forces Reserve Center and Field Maintenance Shop, Paducah, KY** - Engineering Manager.
- **Air Force Special Operations Command C-130 Hangar Complex, Cannon AFB, NM** - Electrical Engineer.
- **Ohio ARNG Joint Armed Forces Reserve Center and Field Maintenance Shop Complex, Springfield, OH** - Electrical Engineer.
- **Texas ANG 147th Reconnaissance Wing Munitions Maintenance Shop, Ellington Field JRB, Houston, TX** - Electrical Engineer.
- **Texas ANG 136th Airlift Wing Security Forces Squadron Facility, NAS JRB, Fort Worth, TX** - Electrical Engineer.
- **Texas ANG 136th Airlift Wing Electronic Countermeasures (ECM) Shop, NAS JRB, Fort Worth, TX** - Electrical Engineer.
- **Colorado ANG 140th Air Wing Add/Alter Weapons Release Facility, Buckley AFB, CO** - Engineering Manager.
- **Ohio ARNG Regional Training Institute, USP&FO Office/Warehouse and Combined Support Maintenance Site (Phase 2) Construction Services, Columbus, OH** - Electrical Engineer.
- **Indiana ARNG 76th Brigade Combat Team Readiness Center, Lawrence, IN** - Electrical Engineer.

Bill Brewer, PE, LEED AP BD+C GRW Mechanical Engineer



Years of Experience: 42

Years with GRW: 14

Education

B.S., Mechanical Engineering, 1967, Case Western Reserve University

Registration

Professional Engineer: KY, OH, NC, TN, NH, WV, IN, CA, TX, MS, GA, VA, MI, PA, KS

NCEES Member, allows reciprocity with other states

Professional Member, Society of Fire Protection Engineers

LEED Accredited Professional, Building Design + Construction

Qualifications and Similar Project Experience

Mr. Brewer will provide mechanical engineering services for your project. He has more than four decades of experience with HVAC, plumbing and fire protection systems design, and has been involved in many of GRW's National Guard projects. Mr. Brewer is a member of the American Society of Mechanical Engineers; American Society of Heating, Refrigeration and Air Conditioning Engineers; International Code Council; Society of Fire Protection Engineers; International Ground Source Heat Pump Association; U.S. Green Building Council and the American Council of Engineering Companies.

- **West Virginia ANG 167th Airlift Wing Maintenance Mall (Building 307) Repair, Martinsburg, WV - Project Manager.**
- **West Virginia ANG 130th Airlift Wing Aboveground Fuel Storage Dispensing Facility, Charleston, WV - Mechanical Engineer.**
- **West Virginia ANG 130th Airlift Wing Communications Facility, Charleston, WV - Mechanical Engineer.**
- **VA Medical Center, Cooper Drive Division, Data Center Upgrade, Lexington, KY - Project Manager.**
- **VA Medical Center, Leestown Road Division, Building One Radiology Renovation, Lexington, KY - Mechanical Engineer.**
- **VA Medical Center, Leestown Road Division, Fire Alarm and HVAC Controls Replacement, Lexington, KY - Project Manager.**
- **VA Medical Center, Sprinkler System Corrections at Cooper Drive and Leestown Road, Lexington, KY - Project Manager.**
- **Highlands Regional Medical Center Emergency Department Renovation/Addition, Prestonsburg, KY - Mechanical Engineer.**
- **Indiana ANG 122nd Fighter Wing Security Forces Operations and Training Facility, Fort Wayne, IN - Mechanical Engineer.**
- **Indiana ARNG 76th Brigade Combat Team Readiness Center, Lawrence, IN - Mechanical Engineer.**
- **UK Medical Center Sector Elevator Upgrades Fireman's Service and Emergency Communications, Lexington, KY - Mechanical Engineer.**
- **UnitedHealth Group Paragon Place Office Fit-Up, Louisville, KY - Project Manager.**
- **Northpoint Training Center Replacement, Burgin, KY - Mechanical Engineer.**
- **Kentucky ARNG Joint Armed Forces Reserve Center and Field Maintenance Shop, Paducah, KY - Mechanical Engineer.**
- **Complete Renovation of Building 27 for Long-Term Care, VA Medical Center, Leestown Road Division, Lexington, KY - Project Engineer.**

Jim Goddard, PE, RITP

GRW Communications Engineer



Years of Experience: 43

Years with GRW: 6

Education

B.S., Electrical Engineering, Power Option, 1970, University of Tennessee, Knoxville

M.B.A., 1988, University of Tennessee, Knoxville

Registration

Professional Engineer: KY, FL, TN, GA, VA, WV, CA, OH, IN

NCEES Member, allows reciprocity with other states

Registered Information Technology Professional (BICSI)

Qualifications and Similar Project Experience

A key member of GRW due to his varied engineering experience, Mr. Goddard will be responsible for any special communications system design (voice, data, etc.). He is recognized as a trained telecommunications professional, and is certified by the Building Industry Consulting Service International, Inc. (BICSI) as a Registered Information Technology Professional.

- **West Virginia ANG 130th Airlift Wing Aboveground Fuel Storage Dispensing Facility, Charleston, WV - Electrical Engineer**
- **West Virginia ARNG Relocation of Camp Dawson Electrical Power and Communications Lines, Kingwood, WV - Electrical Engineer**
- **Indiana ARNG 76th Brigade Combat Team Readiness Center, Lawrence, IN - Electrical Engineer**
- **Monroe County Health Department Expansion, Tompkinsville, KY - Electrical Engineer**
- **Monroe County Wellness Center, Tompkinsville, KY - Electrical Engineer**
- **Ohio ARNG Joint Armed Forces Reserve Center and Field Maintenance Shop Complex, Springfield, OH - Electrical Engineer**
- **Highlands Regional Medical Center Emergency Department Renovation/Addition, Prestonsburg, KY - Construction Administration**
- **Pulaski County IT Data Center, Somerset, KY - Electrical Engineer**
- **Kentucky Transportation Cabinet Generator Replacements for District Offices, KY - Project Manager**
- **Kentucky Transportation Cabinet The Ohio River Bridges Project Downtown Approach, Louisville, KY - Electrical Engineer**
- **Wendell H. Ford Regional Training Center M203 Grenade Launcher Range, Greenville, KY - Electrical Engineer**
- **Broadmore Assisted Living at Bristol, Bristol, TN - Electrical Engineer**
- **Trinity Care Assisted Living, Knoxville, TN - Electrical Engineer**
- **American Standard Brands Electrical System Survey and Arc Flash Study, Somerset, KY - Project Manager**
- **Corbin Utilities Office and Warehouse Buildings, Corbin, KY - Electrical Engineer**

Tim Cross, PE, LEED AP

GRW Civil Engineer/Force Protection



Years of Experience: 13

Years with GRW: 10

Education

B.S., Civil Engineering, 2000, University of Kentucky

Registration

Professional Engineer: KY

LEED Accredited Professional

Qualifications and Similar Project Experience

Mr. Cross will ensure that your project will conform to all established force protection standards. He has more than a decade of experience, and has completed training on Access Control Point Standards, and Security Engineering and Standards at the U.S. Army Corps of Engineers' Protective Design Center. Mr. Cross has completed site design and force protection work for both the Air National Guard (ANG) and Army National Guard ARNG).

- **West Virginia ANG 130th Airlift Wing Communications Facility, Charleston, WV** - Civil Engineer
- **West Virginia ANG 130th Airlift Wing Communications Facility Code / Criteria Review, Charleston, WV** - Civil Engineer
- **West Virginia ANG 130th Airlift Wing Building 107 Renovation, Charleston, WV** - Civil Engineer
- **West Virginia ANG 130th Airlift Wing LOX Storage Relocation, Charleston, WV** - Project Manager
- **West Virginia ARNG Camp Dawson Live Fire Exercise Shoot House, Camp Dawson, WV** - Civil Engineer
- **West Virginia ANG 130th Airlift Wing Aboveground Fuel Storage Dispensing Facility, Charleston, WV** - Civil Engineer
- **West Virginia ANG 167th Airlift Wing C-5 Apron Repair, Martinsburg, WV** - Project Manager
- **West Virginia ANG 167th Airlift Wing Maintenance Mall (Building 307) Repair, Martinsburg, WV** - Civil Engineer
- **Texas ANG 136th Airlift Wing Security Forces Squadron Facility, NAS JRB, Fort Worth, TX** - Civil Engineer
- **Texas ANG 147th Reconnaissance Wing Munitions Maintenance Shop, Ellington Field JRB, Houston, TX** - Civil Engineer
- **Ohio ARNG Joint Armed Forces Reserve Center and Field Maintenance Shop Complex, Springfield, OH** - Civil Engineer
- **Kentucky ARNG Joint Armed Forces Reserve Center and Field Maintenance Shop, Paducah, KY** - Civil Engineer
- **Indiana ANG 122nd Fighter Wing Security Forces Operations and Training Facility, Fort Wayne, IN** - Civil Engineer
- **Indiana ARNG 76th Brigade Combat Team Readiness Center, Lawrence, IN** - Civil Engineer
- **Aliceville Federal Correctional Institution and Satellite Camp, Aliceville, AL** - Civil Engineer
- **Asbury Theological Seminary Student Housing Complex, Willmore, KY** - Civil Engineer



JOSEPH E. BIRD, ASLA
Landscape Architect

EDUCATION

West Virginia University, BSLA, 1978

REGISTRATION

Landscape Architect, West Virginia, 1981

PROFESSIONAL HISTORY

August 1985 to Present: Chapman Technical Group
Senior Vice President and Project Manager.

May 1978 to August 1985: Kelley, Gidley, Blair & Wolfe, Inc.
Landscape Architect and Project Manager.

Mr. Bird is a project manager and registered landscape architect. His experience ranges from large site development projects to the management of multi-discipline and architectural projects.

35 years professional experience.

PROJECT EXPERIENCE

Site Development: Site planning and project management for numerous projects throughout West Virginia ranging from small campus sites to large sites for commercial, government, industrial, and institutional development. Projects include military complexes, campuses, public housing developments and other public facilities.

Parks and Recreation: Projects include swimming pools, bathhouses, cabins and support facilities for the West Virginia Division of Natural Resources and similar facilities for county and municipal park systems. Also involved in the design of facilities such as softball fields, fishing access facilities, recreation facilities for prisons, as well as passive recreation areas for public and private clients.

Miscellaneous: Other project experience includes the urban planning and development, streetscape design, roadway and storm drainage projects, as well as the project management of numerous major architectural projects throughout West Virginia.

AFFILIATIONS

West Virginia Chapter of the American Society of Landscape Architects

AWARDS

Honor Award for Shrewsbury St. Redevelopment Plan
West Virginia Chapter of American Society of Landscape Architects



SHARON L. CHAPMAN
Interior Designer

EDUCATION

University of Charleston, Carleton Varney Department of Art and Interior Design, BA, Interior Design, 1993

REGISTRATION

Allied Member, ASID

PROFESSIONAL HISTORY

July 1996 to Present: Chapman Technical Group
President and Interior Designer.

January 1991 to July 1996: Chapman Technical Group
Executive Vice President and Interior Designer.

22 years professional experience.

PROJECT EXPERIENCE

Space planning, interior design, material selections and furniture layouts for new and renovation projects including a courthouse annex, city hall renovations and other public buildings, private offices, commercial facilities, recreation facilities, industrial buildings, and residential properties. Also involved in building renovation feasibility studies and use analyses, and building facade renovation projects.

AWARDS

University of Charleston, Academic Achievement Award for Art and Design
Finalist, Entrepreneur of the Year Award 1999
Finalist, Entrepreneur of the Year Award 2000
St. Albans Renaissance Group, Business Person of the Year 2002
Junior Achievement Chairman's Award, 2002-2003
St. Albans Renaissance Group, Appreciation Award 2005
George Warren Fuller Award 2005
Thomas Memorial Foundation Quiet Hero Award 2009
University of Charleston, Alumni Achievement Award 2012

AFFILIATIONS

Allied Member, American Society of Interior Designers
Rotary, St. Albans, West Virginia - Past President 2002-2003
Member, West Virginia Chamber of Commerce
Member, Charleston Area Alliance - Honorary Board Director
Member, Putnam County Chamber of Commerce
Member, St. Albans Chamber of Commerce
Member, Contractor's Association of West Virginia
Board of Directors, Thomas Memorial Hospital Foundation
AWWA West Virginia Section
Member, STARDA Board - St. Albans
BB&T Advisory Board
Board of Directors - Gabriel Project of West Virginia



STEPHEN M. JOHNSON, PE
Civil/Environmental Engineering

EDUCATION

West Virginia Institute of Technology, BSCE, 2004

REGISTRATION

Civil Engineering, West Virginia, 2009
Civil Engineering, North Carolina, 2008
Civil Engineering, Virginia, 2011

EXPERIENCE

January 2009 to Present: Chapman Technical Group
Civil Engineer

October 2006 to January 2009: McKim and Creed
Civil Engineer

May 2004 to October 2006: Chapman Technical Group
Civil Engineer

June 2001 to May 2004: Allegheny Power
Gas Support Technician/Intern

9 years professional experience.

PROJECT EXPERIENCE

Water Systems: Overall experience includes planning, design, bidding, and construction administration/management of various public and private water system projects throughout West Virginia, Virginia, and North Carolina. Specific project experience includes distribution systems, river crossings, horizontal directional drills, wells, raw water intakes, transmission lines, booster stations, treatment plants, ground and elevated water storage tank design, painting, and rehab, SCADA systems, computer modeling, treatment process evaluation, and problem troubleshooting in existing systems.

Wastewater Systems: Overall experience includes comprehensive system master plans, design, bidding, construction administration/management of various public and private wastewater system projects throughout West Virginia, Virginia, and North Carolina. Specific project experience includes gravity and low-pressure collection systems, pump stations and force main transmission systems, treatment plant process evaluation and design, trenchless pipeline rehabilitation, bypass pump system design, odor and corrosion control, effluent infiltration ponds, decentralized and alternative on-site disposal systems, and SCADA systems.

Stormwater Systems: Overall experience includes comprehensive system master plans, design, bidding, construction administration/management of various public and private stormwater system projects throughout West Virginia, Virginia, and North Carolina. Specific project experience includes drainage basin hydraulic analysis, stormwater collection, detention and BMP system design, construction stormwater management plan preparation, and MS4 permit guidance.



PHILLIPA. WARNOCK, NCARB, AIA
Architect

EDUCATION

The University of Tennessee, BArch, 1995

REGISTRATION

Architect, West Virginia, 2003
Architect, Tennessee, 2002
Architect, Kentucky, 2013

PROFESSIONAL HISTORY

September 2003 to Present: Chapman Technical Group
Project Architect.

June 2002 to July 2003: ZMM
Architect.

June 1995 to May 2002: Lockwood Greene
Intern Architect.

August 1991 to July 1993: Omni Associates
Architectural Draftsman.

22 years professional experience with additional experience in construction, interior design and developing.

PROJECT EXPERIENCE

Project Participation and Design: Experience ranges from design, detailing and drafting through project management and construction administration of building projects in various states, including West Virginia, Tennessee, Kentucky and South Carolina. Project experience includes:

- Public School Facilities
- Community Centers
- Recreational Facilities
- Aviation Facilities
- Health Care/Hospice Facilities
- Medical and Psychiatric Clinics
- Pharmaceutical Facilities
- Research and Development Labs
- Office Buildings
- Rest Areas and Welcome Centers
- Historic Preservation
- Historic Renovation/Additions
- Adaptive Reuse
- Governmental Facilities
- Military Support Facilities/Armories
- Multi-Family Housing
- ADA Assessments
- HUD 811, 202 and ECHO Facilities
- Small Cities Block Grants
- Public Safety Facilities

AFFILIATIONS

National Council of Architectural Registration Boards (NCARB)
American Institute of Architects (AIA), Executive Committee 2010-2012

AWARDS

2008 AIA West Virginia Honor Award for Excellence in Architecture
For the historic preservation of the Upshur County Courthouse.

2010 AIA-West Virginia Merit Award for Achievement in Architecture
For the I-79 Rest Areas in Burnsville



4.0 Project Budget and Schedule Control

At GRW, cost control, scheduling and value engineering are daily concerns. The impact of our decisions regarding project planning, design and construction are assessed in weekly project meetings with all A/E disciplines to guarantee that budgets and schedules are met.

Throughout your project, GRW's Project Manager will communicate individually and as a group with leaders of each design discipline. During these sessions, project status is discussed to determine that adequate resources are directed to meet the project schedule. The issues tracking list we will create is also reviewed to ensure all problems are resolved before they can affect the schedule or budget.

If contracted to provide construction administration services, GRW's schedule-control and quality control procedures continue through to the end of construction. The project team will carefully review the contractor's workmanship and materials to help ensure that the quality of installation is in accordance with accepted standards, and that the work is being provided in accordance with the contract documents. Unacceptable materials and workmanship will be rejected without delay. Substitutions during construction will not be approved without permission from the client. The contractor will be expected to provide monthly updates to the initial construction schedule. As work progresses, GRW will work with State/WVARNG to monitor compliance with the construction schedule. If the work appears to be lagging, the Contractor will be expected to submit a remedial plan for corrective action.

Examples of our ability to successfully manage budgets and schedules are noted below.

	<ul style="list-style-type: none"> ■ Innovative design methods and alternative construction materials allowed Project Manager Jimmy Piper to optimize this project so that it was bid at \$13,938,000 - approximately \$9 million under the client's Maximum Construction Cost of \$23 million. ■ Bid documents included 12 bid options ■ Final construction cost \$14,521,060 with a change order ratio of 4%.
	<ul style="list-style-type: none"> ■ Final construction cost \$2,539,124 approximately 0.5% over low bid ■ Major building renovation and reuse of 30,500 SF office building

Ohio Army National Guard Reserve Center, Springfield, OH

Corbin Utilities Office and Warehouse Buildings, Corbin, KY

Project Budget and Schedule Control continued

Examples of our ability to successfully manage budgets and schedules are noted below.



Northpoint Training Center, Danville, KY

- Using six bid packages, met the \$16.5M construction budget
- Bids packaged to ensure a completed functioning project
- Change orders were 5.9% of the final construction cost, of which 1.9% was due to design



Indiana Army National Guard Reserve Center, Lawrence, IN

- 109,555 SF two-story facility
- Bid at \$14,146,000; the change order costs were approximately 3.5% of the final construction cost (\$14,648,270)
- Bid documents included eight bid options



Texas Air National Guard Wing Security Forces Squadron Facility, Fort Worth, TX

- National Guard Required Schedule met
- Percent final cost to award: 5.7%
- Percent estimate to award: -5.1%

"It is with great pleasure that I recommend GRW. Their technical experience and professionalism have provided superior design documents, exceeding my expectations. The Design/Build Bridging Documents that GRW developed for the construction of a LEED Certified Silver Air Force Security Forces Training Facility is one of the best that I have ever seen. The level of detail and thoroughness of the documents allowed me to successfully award within the program budget and schedule." -- Major Kevin A. McKinney, Base Civil Engineer, 136th AW



Cumberland Valley Technical College Renovation, Harlan, KY

- Completed one month ahead of schedule
- Low bid was 3% below the Architect's estimate
- Project used as example by owner to train staff on how to attain a quality project while meeting normal per unit budget amounts

5.0 Approach

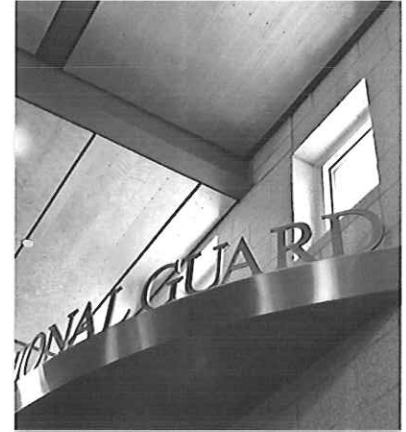
We recognize that each project has its own unique aspects and requirements, and we will adapt our approach to fit your requirements, schedule and needs. Ultimately, the design for the MEDCOM Facility Build-Out will satisfy your programmatic, budget, and operational requirements, and will be both functional and aesthetically pleasing.

After we are selected for this assignment and before we submit our fee proposal for the required services, GRW will request a Criteria Review Conference to clarify key technical, deliverable and scheduling issues. The CRC will be held in Charleston with Facility Engineering, Users and other key stakeholders to ensure that the scope of work and project schedule are well understood, and to ensure that our fee proposal is based on the requirements and expectations of the WV ARNG.

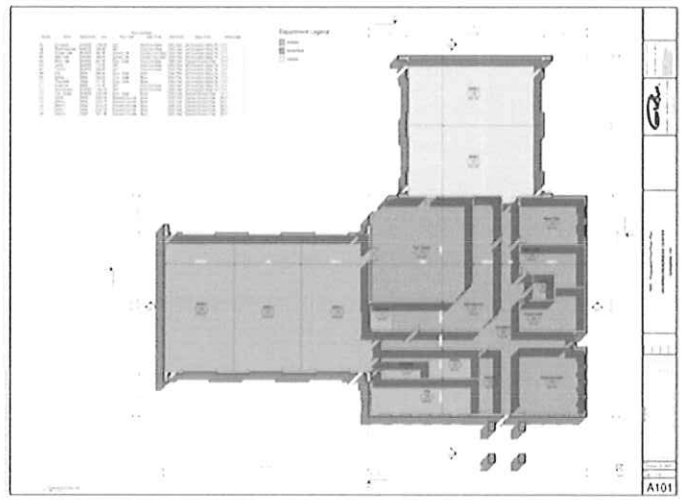
Following the successful negotiation of our contract for the required services, GRW will provide Type A and Type B architectural and engineering services as described in Chapter 11 of NG Pam 415-5, and as amended by specific State of West Virginia professional architectural and engineering design contractual requirements. For example, these services will include the following phases:

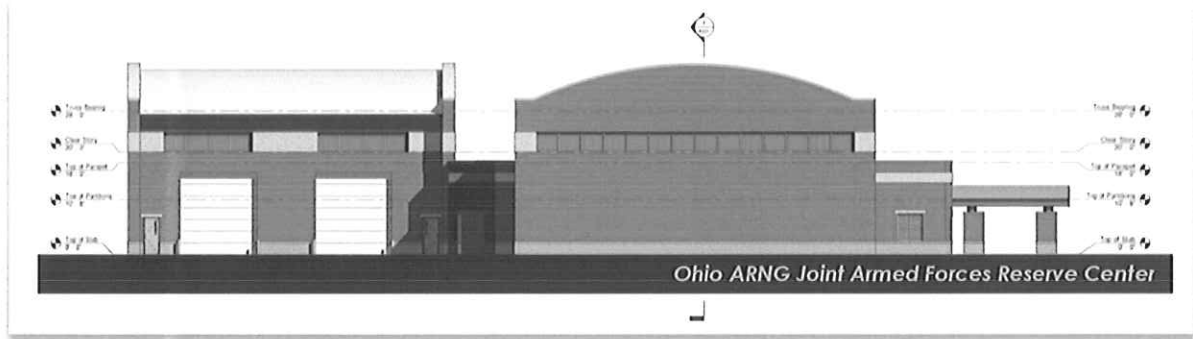
- **Type A** – Program Planning Document Charrette – 15%
- **Type A** - Concept Design – 35%
- **Type B** – Preliminary Design – 65%
- **Type B** – Pre-Final Design – 95%
- **Type B** – Final Design -100%
- **Type C** – Construction Administration

At the onset of Type A services, GRW will move forward with scheduling and conducting a Program Planning Document Charrette (PPDC) with your PM and the facility users. This Charrette will include an analysis of the project site (including a topographic survey, a preliminary geotechnical study, an environmental review, a description of site hydrology and natural conditions, information related to utility services and a legal property description), a discussion of facility requirements (space allowances per NG Pam 415-12 and other applicable design guides, functional requirements, adjacencies and spatial organization), a list of exceptions to criteria and a validation of the DD Form 1390/1391 project data (assigned personnel, space criteria) and a validation of the construction cost estimate.



All photos in this section illustrate GRW's accomplishments for the Ohio ARNG Joint Armed Forces Reserve Center and Field Maintenance Shop in Springfield, OH. Read more about the project in Section 2.0, page 12.





Subsequent meetings will be held to confirm the detailed requirements for architectural finishes, electrical requirements, HVAC, communications, equipment and other elements of all spaces within the facility. We will use this information to prepare a Basis of Design that will be used in calculating power, lighting, HVAC, fire protection and other services for the buildings. This information will also be used to confirm the final floor plan and finish schedule for the various spaces and functional areas in each building.

Through the course of the design, we will work with you to identify ways of saving O&M costs and reducing energy needs. We will also work to identify possible alternative construction materials. Some of these recommendations may reduce construction cost, reduce utility costs, or both. These recommendations will be provided for your consideration and, if accepted, incorporated into the design. The final construction documents will include Bid Options that will allow the opportunity to select items that enhance the facility while still staying within the Maximum Construction Cost approved for this project.

The design procedures we will follow are the same as those described in Chapter 11 of NG Pam 415-5, unless otherwise directed. These procedures will include the development of a Conceptual Design, which we will summarize and deliver in a Concept Design Report. This report generally represents 35% of the total design effort and serves as a bridge between the PPDC Report and the development of the construction documents.

GRW offers three dimensional modeling and drawings produced through software such as AutoCAD Revit.



The next step will be to incorporate the review comments from the Concept Design into a Preliminary Design submittal that represents approximately the 65% design completion of the construction documents. This submittal will include site and floor plans, building elevations, a room finish schedule, and descriptive information on the utility systems, HVAC and lighting systems, and other special systems. This submittal will also include preliminary technical specifications (CSI Divisions 2-16), general requirements (Division 1), an updated construction cost estimate, and supplemental design data and information, such as narrative descriptions of the building elements, engineering calculations and code analyses.

As the work progresses, an interim 95% Pre-Final Design submittal will be provided for your review and approval. A 100% Final Design submittal will be presented to include the resolution of review comments from the previous submittals, final plans and specifications, cost estimate, and supporting data as described in paragraph 11-3 of NG Pam 415-5.

Following review and approval of the Final Design submittal, we will prepare a final approved set of plans, specifications and bidding documents for advertisement for bids, per paragraph 11-4 of NG Pam 415-5.

QA/QC will be a continual process through the course of Type A and Type B services. GRW's senior team leadership will conduct QA reviews for each milestone submittal prior to delivery to WV ARNG. Additionally, AMEC will perform an Independent Technical Review (ITR) of the final deliverable, serving as an additional QA/AC crosscheck, with the ultimate goal being the minimization or elimination of construction change orders.

Copies of each design submittal will be furnished as hard copies and CDs, in the number needed for each agency to review. The project schedule will include time for reviews by each agency.

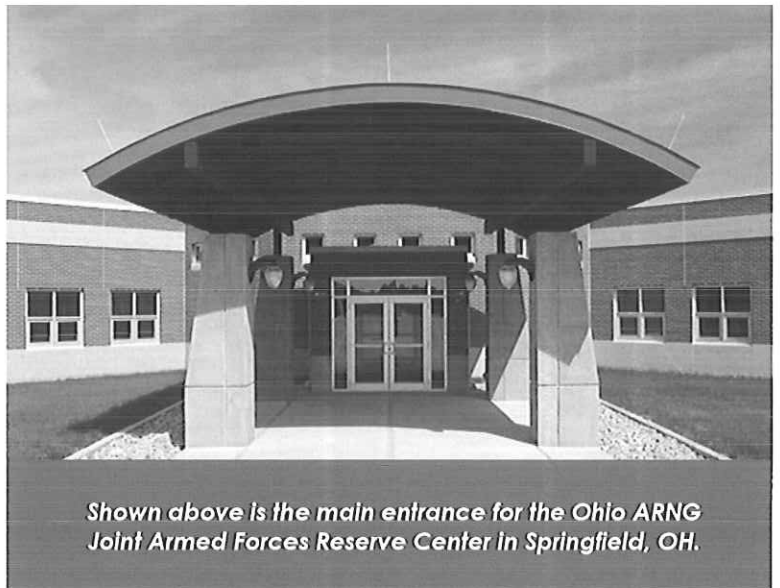
Since we assume this project will be advertised for bids through the state's Purchasing Division, the required bidding information will be prepared using the state's forms and contract documents. We are familiar with these documents from previous WV ARNG projects. Plan sets can be supplied to plan rooms and other locations where potential bidders and vendors can review them.

GRW will provide assistance during advertising and bidding of the project by answering RFIs, preparing Addenda, and attending the pre-bid site visit and bid opening. If requested, GRW will assist in evaluating the bids and will provide a tabulation of all bids.

As the project moves into construction, GRW will provide construction administration services in accordance with your requirements. These services will include, at minimum, regular visits to the site, review of shop drawing submittals, review of contractor's pay applications, and response to contractor RFIs. If desired, GRW will work with you to identify and retain the services of a local individual to provide resident inspection services.

These design procedures are not set in stone, as GRW prides itself on being a strong project manager driven organization without a lot of

bureaucratic procedures that stifle creative people. We will work with you to make sure our design services meet the requirements of the WV National Guard and the State of West Virginia. At all times we will remain flexible to accommodate your needs. The bottom line is that GRW cares a great deal about your repeat business, and your satisfaction is therefore our paramount concern.



Shown above is the main entrance for the Ohio ARNG Joint Armed Forces Reserve Center in Springfield, OH.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: GRW

Authorized Signature: [Signature] Date: 5/29/2013

State of Kentucky

County of Shelby, to-wit:

Taken, subscribed, and sworn to before me this 29 day of May, 2013

My Commission expires July 6, 2014

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]