

**McKINLEY & ASSOCIATES**  
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

February 24, 2009

John Abbott  
Purchasing Division  
2019 Washington Street, East  
Charleston, WV 25305-0130

Dear Mr. Abbott,

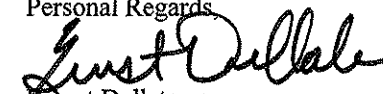
McKinley & Associates in association with Capitol Engineering, Inc., Moment Engineers, Inc., and G&G Builders, Inc. (McKinley/Capitol/Moment/G&G) is honored to submit our qualifications and design approach for your contract to provide Architectural and Engineering Services for the Buckhannon Readiness Center in Upshur County, West Virginia.

Our firm has considerable experience in facilities designed for State and Federal agencies, including National Guard facilities in West Virginia. The addition of Capitol Engineering for Civil/Site Engineering and Moment Engineers for Structural Engineering provides our team with highly experienced professionals that have served the West Virginia Army National Guard successfully throughout the years. As you review this submission, we emphasize the following strengths of McKinley/Capitol/Moment/G&G with respect to your project:

- 1.) McKinley & Associates has been providing design services since 1981. With offices in Charleston and Wheeling, WV and Washington, PA, we support a professional staff of 40+ that includes: architects, mechanical, electrical, plumbing/life safety engineers (MEP engineers) as well as a certified interior design department. We are proud to be generally considered one of the largest full service A/E firm in the State of West Virginia.
- 2.) Robert Fuller, PE of Capitol Engineering will handle all civil and site issues. CEI is a consulting engineering firm located in Charleston, West Virginia and is located just minutes away from McKinley & Associates. CEI has a tremendous history of service to the West Virginia Guard and will continue to build on that reputation. Some recent projects include: Glen Jean Armed Forces Complex, Summersville Readiness Center, Kingwood Readiness Center and work on the Dawson Army Airfield.
- 3.) Our team also includes Douglas Richardson, PE from Moment Engineers in Charleston, West Virginia. He will be responsible for Structural Engineering. Mr. Richardson also has experience with the West Virginia Army National Guard at the Robert C. Byrd Training Institute at Camp Dawson, Armed Forces Reserve Center at Glen Jean, WV and the Armed Forces Reserve Center at Camp Dawson to name a few.
- 4.) The final member of our team, G&G Builders, Inc., provide the ability to consider different structural components and architectural elements and their impact on a project's budget and schedule. Their accurate well-defined cost estimates are a critical step in successful projects because of their first-hand knowledge of all aspects of the building construction.

We believe that the McKinley/Capitol/Moment/G&G collaboration brings many benefits, which we outlined in the enclosed document. Thank you for reviewing our submission and considering McKinley/Capitol/Moment/G&G for your project. We are very excited about the possibility of working again with the West Virginia Army National Guard. If you have any questions, please do not hesitate to call at any time.

Personal Regards

  
Ernest Dellatorre  
McKinley & Associates

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2009 FEB 26 A 9:51

PURCHASING DIVISION  
STATE OF WV

# EXECUTIVE SUMMARY

Enclosed is our Team's complete Expression of Interest for your contract to provide Architectural and Engineering services for the West Virginia Army National Guard, Buckhannon Readiness Center, in Upshur County, West Virginia - Requisition #DEFK9015.

## Team Members:

McKinley & Associates	Architects, MEP Engineering, Interior Design, Contract Administration
Capitol Engineering	Civil/Site Engineers
Moment Engineers	Structural Engineers
G&G Builders	Professional Cost Estimators

## RFP Highlights:

- Team has experience with over ten (10) projects for the West Virginia Army National Guard.
- McKinley & Associates designs over \$100 million in construction cost per year.
- All MEP Engineering will be designed "In-House."
- Cost Control - provided by professional cost estimator, G&G Builders, Inc.
- Proposed team has collaborated on previous projects.
- Tommy Young, WV Air National Guard (Ret), Project Coordinator

First and foremost we can state that our staff of 40+ professionals will devote whatever time is necessary to provide the West Virginia Army National Guard with a successful project. With over 15 registered professional architects and engineers we have the ability to make difficult schedules work.

The most important element of the entire process becomes communication from you to our designers. We use and welcome your input throughout the project. We continually achieve success in projects by maintaining time and cost management, quality control and excellent communication amongst the client and contractors.

Our Quality Assurance Program starts with a peer review where a registered professional not involved in the design becomes reviewer of the project before going to bid. Additionally, at our regularly scheduled project meetings the entire design team is constantly reviewing the process.

The technical depth of our professional staff indicates that this project can be accomplished without overloading our group or computer graphics systems. Our project team has been chosen for this project and they are available to dedicate the necessary time to this effort. We are available to start immediately upon our being selected. Throughout the years we have worked on many "fast-track" projects such as the Cabela's Distribution Center as well as Teletech Calling Facility in Moundsville, WV achieving success by maintaining time and cost management, quality control and excellent communication amongst the client and contractors. We can and will perform for you on time.



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

# Request for Quotation

RFQ NUMBER  
 DEFK9015

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 JOHN ABBOTT  
 304-558-2544

PROPERTY

RFQ COPY  
 TYPE NAME/ADDRESS HERE

McKinley & Associates  
 The Maxwell Center / Suite 100  
 32 Twentieth Street  
 Wheeling, WV 26003

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
02/11/2009				

BID OPENING DATE: 02/26/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL  CONTRACT TO PROVIDE ARCHITECT & ENGINEERING SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, BUCKHANNON READINESS CENTER, UPSHUR COUNTY, WEST VIRGINIA, PER THE ATTACHED DOCUMENTATION.  NOTICE  A SIGNED BID MUST BE SUBMITTED TO:  DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130  THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:  SEALED BID  BUYER: JOHN ABBOTT----- RFQ. NO.: DEFK9015----- BID OPENING DATE: 02/26/2009-----						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Just Callahan</i>	TELEPHONE (304) 233-0140	DATE 2/24/09
TITLE Business Development	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

# Request for Quotation

RFQ NUMBER  
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PAGE  
 2

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 304-558-2544

PRODUCTION

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 The Maxwell Center / Suite 100  
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 Wheeling, WV 26003

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DIV ENGINEERING & FACILITIES  
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 25311-1099 341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/11/2009				

BID OPENING DATE: 02/26/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING TIME:				1:30 PM-----		
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
				(304) 233-4613-----		
CONTACT PERSON (PLEASE PRINT CLEARLY):						
				Ernest Dellatorre-----		
***** THIS IS THE END OF RFQ DEFK9015 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ernest Dellatorre</i>	TELEPHONE (304) 233-0140	DATE 2/24/09
TITLE Business Development	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

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

STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

*West Virginia Code* §5A-3-10a provides that: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

**PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:**

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

**ANTITRUST:**

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

**LICENSING:**

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**CONFIDENTIALITY:**

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: McKinley & AssociatesAuthorized Signature: Date: 2/24/09

# DESIGN TEAM


## West Virginia Army National Guard Buckhannon Readiness Center DEFK9015

**Project Coordinator**  
Tommy Young, REFP

**Architectural Team**

Thomas R. Worlledge, AIA, LEED AP, REFP ■■■  
Nicole D. Riley, Assoc. AIA ■■■  
Patrick J. Rymer, Assoc. AIA ■■■

**Engineering Team**

Tim E. Mizer, PE, RA ■■■  
*Plumbing & Fire/Life Safety Engineer*  
Bradley A. Crow, PE ■■■  
*Mechanical Engineer*  
Darren S. Duskey, PE ■■■  
*Electrical Engineer*  
Robert M. Fuller, PE **CEI**  
*Civil Engineer*  
Douglas R. Richardson, PE   
*Structural Engineer*

**Professional Cost Estimators**

G&G Builders, Inc.  BUILDERS INC

**Green (LEED) Attributes**

Thomas R. Worlledge, AIA, LEED AP, REFP ■■■

**Interior Designer**

Deb Blakeman, NCIDQ #015070 ■■■

**Contract Administrators**

Tommy Young ■■■  
Donna Parcell ■■■

# NATIONAL GUARD EXPERIENCE

McKinley & Associates, Capitol Engineering, and Moment Engineers all have professionals that have been a part of many West Virginia Army National Guard projects. The following is a partial list of the projects this design team has successfully completed for you already:

## **GLEN JEAN ARMED FORCES RESERVE CENTER**

Robert M. Fuller - Site and Civil Design Engineer  
Douglas R. Richardson - Structural Engineer  
Nicole D. Riley - Project Captain\*  
Patrick J. Rymer - Project Design & Construction Administration\*

## **GLEN JEAN ORGANIZATIONAL MAINTENANCE FACILITY**

Nicole D. Riley - Project Captain\*

## **GLEN JEAN MILITARY ENTRANCE PROCESSING STATION**

Nicole D. Riley - Project Captain\*

## **CAMP DAWSON RUNWAY EXTENSIONS**

Robert M. Fuller - Runway Extensions

## **SUMMERSVILLE READINESS CENTER**

Robert M. Fuller - Site and Civil Design  
Patrick J. Rymer - Project Design & Construction Administration\*

## **LEWISBURG READINESS CENTER**

Robert M. Fuller - Site and Civil Design  
Patrick J. Rymer - Project Design & Construction Administration\*

## **ARMY AVIATION SUPPORT FACILITY #1**

Robert M. Fuller - Apron Expansion/Rehabilitation and Taxiway Replacement  
Patrick J. Rymer - Project Design & Construction Administration\*

## **ROBERT C. BYRD REGIONAL TRAINING INSTITUTE**

Douglas R. Richardson - Structural Engineer  
Nicole D. Riley - Designer/Production Team\*

## **CAMP DAWSON ARMED FORCES RESERVE CENTER**

Douglas R. Richardson - Structural Engineer

## **MOUNTAINEER CHALLENGE ACADEMY**

Robert M. Fuller - Site and Civil Design Engineer  
Douglas R. Richardson - Structural Engineer  
Tim E. Mizer - Design Engineer  
Bradley A. Crow - Mechanical Engineer  
Darren S. Duskey - Electrical Engineer

\*previous work experience with a firm other than McKinley & Associates

# Project Coordinator / Contract Administrator

# THOMAS L. YOUNG, REFP

## **EDUCATION AND SPECIALIZED TRAINING:**

Recognized Educational Facility Professional  
(REFP) designated by the CEFPI

West Virginia Institute of Technology  
Design and Drafting Technology

United States Marine Corps:  
Non-Commissioned Officers School  
Leadership School  
Non-Commissioned Officer in Charge School  
Licensed Heavy Equipment Operator School  
Demolition School  
Recruiters School, San Diego, CA

United States Air Force:  
Advanced Non-Commissioned Officers School  
Air Cargo Training Specialist

## **PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:**

**Member:**  
Council of Educational Facility Planners  
International (CEFPI)

Recognized Educational Facility Professional  
(REFP)

**Past President Enlisted:**  
Association of the National Guard of WV

## **PROFESSIONAL EMPLOYMENT:**

McKinley & Associates  
Education Specialist / Coordinator  
Charleston, WV (2007 to present)

School Building Authority of West Virginia  
Assistant Director of Architectural Services  
Charleston, WV (1996-2006)

Superior Windows  
Corporate Finance Director  
Charleston, WV (1992-1996)

## **MILITARY SERVICE:**

130th APS, WVANG  
Technical Sergeant (Ret)  
(1990-2006)

US Marine Corps  
Combat Engineer and Recruiter  
(1984-1990)

## **SUMMARY OF EXPERIENCE:**

Mr. Young has continually utilized his proven abilities as an Educational Facility Planner to assist his clients in achieving their highest goals. His business philosophy is of honesty and core values. With his vast construction background and high expectations, Mr. Young will assist in the management and development of a quality final product for all public, private, elementary, secondary and higher education projects.

## **NOTABLE PROFESSIONAL EXPERIENCES:**

### **Assistant Director of Architectural Services**

Directly oversaw the funding, design and construction budgets for all related educational projects for the **School Building Authority of West Virginia**. Responsible for over \$243,000,000.00 of school construction projects currently at this time. Worked with WV County Boards of Education in developing Needs based projects for funding consideration and approval with most efficient and effective use of funds available.

### **Construction Manager**

Planned all major expansion projects and followed through to completion for customers. Daily supervised a staff of 30 office and field personnel at Superior Windows. Responsible for collections of approximately \$600,000 monthly, while managing a field operations budget of \$96,000 monthly.

### **Vice President of Operations**

Directly responsible for the management and leadership of a highly trained work force at the Providence Construction Company. Oversaw schedules, critical path and budget on all construction projects. Additionally, provided bids to general contractors on public and private works.



# Architect / Green (LEED) Specialist

# THOMAS R. WORLLEDGE, AIA, LEED AP, REFP

## Charleston Office Area Manager

### EDUCATION:

Virginia Polytechnic Institute & State University  
Master of Architecture - 1992

Fairmont State College, School of Technology  
B.S. Architectural Eng. Tech. - 1983

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### Registered Architect in:

West Virginia  
Virginia  
Pennsylvania  
Ohio

#### National Board Certification:

NCARB #48600

#### President:

West Virginia Society of Architects

#### Member:

The American Institute of Architects  
US Green Building Council  
Sustainable Building Industries Council  
Recognized Educational Facility Professional  
(REFP)

#### Former voting member:

ASHRAE 90.1 International Energy Code  
Committee

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Manager, Charleston Office  
Charleston, WV (2005 to present)

Proactive Architecture Inc.  
President  
Charleston, WV (1999-2005)

Silling Associates Inc.  
Vice President  
Charleston, WV (1992-1999)

TAG Architects  
Charleston, WV (1985-1990)

Alpha Associates Inc.  
Morgantown, WV (1983-1985)

### SUMMARY OF EXPERIENCE:

Thomas R. Worlledge is a skilled Architect with over 20 years experience who has received state wide design awards and placed in national design competitions. As a recognized sustainable design expert, he has had articles published in state and national trade publications, spoken before architectural students, ASHRAE chapters, and business groups on sustainable design issues and was also a featured speaker at the 2001 Governor's Conference on the Environment and the 2001 Sustainable fair. He also teaches other design professionals in the art of High Performance School design, as a professional trainer for the Sustainable Building Industries Council. Mr. Worlledge has been involved in design of projects ranging in from a small home additions (one of which was featured on HGTV's New Spaces Show) to multimillion dollar projects such as Capitol High School, Mount Olive Correctional Center and Major Additions to three of the States VA Hospitals. Mr. Worlledge is a former voting member of the ASHRAE 90.1 Standards committee that forms the basis of the International Energy Code and is the president of the state chapter of the AIA.

### NOTABLE PROFESSIONAL ACHIEVEMENTS:

#### High Performance Design for High Performance Companies

Published in *Executive Source*, Fall 2002

#### Watt's Next? The Coming Energy Revolution

Published in *West Virginia Executive*, Winter 2004

#### The Design of Sustainable Environments

Featured Speaker, 1994 National Convention of Architectural Students

#### Daylighting and HVAC Design

Featured Speaker, ASHRAE West Virginia Chapter

#### Rebuilding the Future: Recycling and Reuse of Building Materials

Featured Speaker, 2001 Governor's Conference on the environment



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## Associate Architect

# NICOLE D. RILEY, ASSOC. AIA

### EDUCATION:

Virginia Tech, College of Architecture  
Bachelor of Architecture - 1998

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### NCARB

#### Associate Member:

The American Institute of Architects

#### Member:

AIA 150 Celebration Steering Committee  
AIA Livable Communities Committee  
Charleston Area Alliance, Young  
Professionals Housing Sub-Committee  
Young Life Committee of Kanawha Valley

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2005 to present)

Williamson Shriver Architects  
Charleston, WV (2003-2005)

ZMM, Inc. Architects and Engineers  
Charleston, WV (1999-2003)

The Omni Associates  
Fairmont, WV (1999)

### SUMMARY OF EXPERIENCE:

Mrs. Riley's tenure as design professional has taken her through many aspects of project delivery and construction throughout West Virginia. This experience includes a wealth of works for several county school systems, the West Virginia Army National Guard, as well as multiple private clientele. A family background in masonry construction and a keen interest in historical elements are recognized through her understanding and usage of natural materials in a contemporary context. Mrs. Riley is active in coordination during the design process, culminating in a sound package for the client.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Designer/Production Team - Robert C. Byrd Regional Training Institute, Kingwood, WV

148,000 SF facility for the West Virginia Army National Guard - Camp Dawson. This facility contains temporary residences for officers, training and office areas, auditorium and conference space as well as dining facilities. Designer of Lobby tile and marquis design and assisted with various Interior Design elements and Construction administration tasks.

#### Project Captain - Glen Jean Armed Forces Center, Glen Jean, WV

110,000 SF joint project for the West Virginia National Guard and the United States Department of Defense includes an Armed Forces Reserve Center, Organizational Maintenance Facility and Military Entrance Processing Station. Responsible for all phases of document production with an emphasis on coordination with U.S. Department of Defense and various engineering consultants.

#### Design Team - Parkersburg South High School

Selective demolition and comprehensive renovations and additions to 250,000 SF campus, whose original design period spanned the decades of 1950-1970. Design facets included state-of-the-art technological and science updates as well as new music facilities. Renovation design implemented ADA and Safe Schools initiatives. New Day Care facility was designed for the school system's training curriculum.

#### Project Manager - McKinley & Associates Charleston Area Office

The new McKinley & Associates Charleston Area Office is a 2,500 SF office space for our architectural, engineering, and interior design staff. This interior renovation project was constructed for \$63.30/SF with owner occupancy ahead of schedule. Managed budget, schedule, construction administration, vendor relations and material purchasing.

#### Design Team - St. Albans High School, St. Albans, WV

Extensive additions and renovations to existing high school. Concentration on selective demolition and design detailing.

Associate Architect

# PATRICK J. RYMER, ASSOC. AIA

## EDUCATION:

University of Tennessee  
Bachelor of Architecture - 1999

Memphis Center for Design - 1998

## PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

ASSOC. AIA

NCARB

IDP

ArchNet

## PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2005 to present)

Capitol Engineering  
Charleston, WV (2003-2005)

United Brotherhood of Carpenters & Joiners  
(2000-2003)

## SUMMARY OF EXPERIENCE:

Mr. Rymer brings over eight years experience in the building design and construction industry. His recent relevant experience includes the project management of several projects, as well as the lead design and construction administration of various Federal, State, County Government and private projects. Bringing a diverse background from the hands on experience of an apprenticeship in the construction trades to project management of multi-million dollar facilities, Mr. Rymer has an intimate understanding of building and design on a holistic level.

## NOTABLE PROFESSIONAL EXPERIENCES:

### Project Management:

Marshall County Schools:

Cameron Elementary / Pre-K Classroom Building Addition  
Cameron Jr/Sr High School/Renovations  
Cameron Fieldhouse / Over 1200 Seat Athletic Facility  
Cameron Schools / Roof Replacements

Braxton County Senior Citizen Center / 14,000 SF Addition  
and Renovation

West Virginia State Police:

Jackson County Detachment  
Kanawha County Troop 4 Headquarters  
Berkeley County Detachment

Regional Economic Development Office, Wheeling:

Parking Facility  
Adaptive Reuse Warehouse Study

West Virginia Army National Guard:

Camp Dawson/Fueling Canopies  
Parkersburg Army Aviation Support Facility / Taxiway Repair

Tyler County Public Library / Community Wing

### Project Design & Construction Administration:

St Matthews Episcopal Church / Parish Hall Renovations  
Glen Jean WVANG-AFRC-MEPS Facility  
Parkersburg AASF Apron Rehabilitation  
Logan County / Industrial - Business Park Site Investigation  
Williamson Armory, WVANG Wash Pad & Military Parking  
Summersville Readiness Center  
Lewisburg Readiness Center



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# Architectural Engineer / Architect

# TIM E. MIZER, PE, RA

## Director of Operations

### EDUCATION:

Kansas State University  
B.S. Architectural Engineering - 1983

University of Cincinnati  
Architecture

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Engineering in:**  
West Virginia  
Ohio

**Registered Architect in:**  
Ohio

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Architect / Engineer  
Wheeling, WV (1995 to present)

M.C.C. Engineering  
Director of Design  
Columbus, Ohio (1988-1995)

Schooley Caldwell and Associates  
Electrical & Mechanical Design  
Columbus, Ohio (1986-1988)

Mizer Design  
Free Lance Architectural Engineering Design  
Columbus, Ohio (1985-1986)

Envirotek, Inc.  
Drafting and Electrical & Mechanical Design  
Raleigh, NC (1984-1985)

### SUMMARY OF EXPERIENCE:

A very talented and unique professional who is registered both in engineering and architecture. Mizer's background as an Architectural Engineer has provided him with a total understanding of the engineering components which provides a cohesiveness on all of his projects. Being also a Registered Architect, he understands designing to allow for the engineering disciplines, including his responsibility of project management and design. Mr. Mizer is the head of McKinley & Associates engineering division.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Design Engineer

WV Army National Guard - Challenger Learning Center

#### Design Engineer

West Virginia State Police Detachments

#### Design Engineer

Barnesville (OH) Schools - new buildings

#### Site Engineer

Hancock County Middle School-new building & site

#### Site Engineer

WVU Fire Academy-new building & site

#### Project Architect / Engineer

Hope VI Phase II-new building development

#### Design Engineer

Union Local Schools

#### Design Architect / Engineer

USCan rehabilitation project. 250,000 SF renovation of industrial building

#### Design Architect / Engineer

USPS Clarksburg MPO Renovation to historic building  
Work also included HVAC and cooling tower

#### Project Architect / Engineer

Brooke County Animal Shelter building renovation



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# Mechanical Engineer

# BRADLEY A. CROW, PE

## Director of Engineering Services

### EDUCATION:

West Virginia Institute of Technology  
B.S. Mechanical Engineering

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering in:  
West Virginia

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Mechanical Engineer  
Wheeling, WV (2005 to present)

BDA Engineering  
Design Engineer  
Pittsburgh, PA (2001-2005)

Tri-State Roofing  
Sales Engineer  
Davisville, West Virginia (2000-2001)

Ravenswood Polymers  
Site Engineer  
Ravenswood, West Virginia (1997-2000)

### SUMMARY OF EXPERIENCE:

Mr. Crow is an exciting and innovative Engineer who is on the cutting edge of his profession. His passion for his work translates into incredible design for his clients. His broad experience includes design for HVAC and plumbing for educational facilities, office buildings, shopping centers, apartment buildings, and other commercial and institutional facilities. Brad also has experience as a Site Engineer and Sales Engineer, which provides an unique understanding for problem solving.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Mechanical Engineer

WV Army National Guard - Challenger Learning Center

#### Mechanical Engineer

Wood County Schools (\$63+ million renovations)

#### Mechanical Engineer

WVU Colson Hall Renovations

#### Mechanical Engineer

WVU Fire Academy / Jackson's Mill

#### Mechanical Engineer

Southwest Cancer Institute Treatment Center (50,000 SF)

#### Mechanical Engineer

Nemacolin Woodlands Resort - Outdoor World

#### Mechanical Engineer

Mt. Lebanon Municipal Building Renovation (70,000 SF)

#### Mechanical Engineer

California University of PA (2-170 Bed Dorms).  
Geothermal Heating & Cooling System

#### Mechanical Engineer

Slippery Rock University (4-320 Bed Dorms)

#### Mechanical Engineer

84 Lumber Corporate Offices (23,000 SF)



# Electrical Engineer

# DARREN S. DUSKEY, PE

## EDUCATION:

The Ohio State University  
B.S. Electrical Engineer - 1993

Marshall University  
Graduate courses in Engineering

## PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Professional Engineer in:  
West Virginia  
Ohio

## PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2002 to present)

Pickering Associates  
Parkersburg, WV (1997-2002)

Magnetic Specialty, Inc.  
Marietta, OH (1995-1997)

Inland Products, Inc.  
Columbus, OH (1993-1995)

## SUMMARY OF EXPERIENCE:

Mr. Duskey has 10 years of experience in the industrial, commercial, institutional, and educational markets with projects ranging from State Police detachment offices, electrical design of schools, health care facilities, large and small industrial projects, and commercial properties. He has extensive knowledge and experience with the National Electrical Code, state building codes, building industry standards and practices, and has demonstrated the ability to design qualitative and economic solutions to a myriad of challenges.

## NOTABLE PROFESSIONAL EXPERIENCES:

### Project Electrical Engineer

WV Army National Guard - Challenger Learning Center

### Design Electrical Engineer

West Virginia State Police Detachment project in Berkeley County, WV

### Design Electrical Engineer

Distribution warehouse for Cabela's in Wheeling WV

### Design Electrical Engineer

School project in Chapmanville, WV

### Project Electrical Engineer

Wayne Street Health Care center in Marietta, Ohio

### Project Electrical Engineer

Solvay Polymers in Marietta, Ohio

### Consulting Engineer

Chevron Phillips Chemical Company in Marietta, Ohio  
(1998-2001)

### Design Electrical Engineer

Magnetic Specialty, Inc. in Marietta, Ohio

### Design Electrical Engineer

Swisher International in Wheeling, WV



**McKINLEY & ASSOCIATES**  
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

# Interior Designer

# DEB BLAKEMAN, NCIDQ #015070

## EDUCATION:

University of Charleston  
Bachelor of Arts, Interior Design - 1992

## PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**National Council for Interior  
Design Qualification:**  
NCIDQ #015070

**Associate Member:**  
The American Institute of Architects

## PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Charleston, WV (2004 to present)

HDMR Group Inc  
Charleston, WV (2000-2004)

Custom Office Furniture  
Charleston, WV (1994-2000)

University of Charleston  
Teacher  
Charleston, WV (1997-2000)

Interior Design  
Charleston, WV (1992-1994)

Freeland Furniture Company  
Charleston, WV (1981-1987)

Interior Reflections  
Logan, WV (1980-1981)

## SUMMARY OF EXPERIENCE:

Deb Blakeman has 25 combined years of experience in the interior design field including residential, corporate facilities, banks, education and health care projects. She has knowledge and experience with application of ADA regulations, ergonomic standards, state building code and industrial standards as they apply to interior furnishings, space planning and finishes. As a professional designer, Deb Blakeman believes it is important to find the right balance between organizational and individual needs to increase productivity. Improving comforts through lighting and ergonomically sound furnishings will increase employer performance, and efficient spaces will organize work flow, decreasing communication barriers.

## NOTABLE PROFESSIONAL EXPERIENCES:

### Interior Designer

Marshall University / Robert C. Byrd Biotechnology Center  
(Interior Furnishing and Finishes)

### Interior Designer

Governor Wise, Governor Underwood, and Governor Caperton / Staff Offices (Furnishings, Finishes, and Space Planning)

### Interior Designer

Treasurer John D. Perdue / Unclaimed Properties Division (Space Planning and Furnishings) / Treasurer's Office and Staff Office (Window Treatments, Furnishings, Finishes, and Space Planning)

### Interior Designer / Sales

WV Graduate College (Furnishings)

### Interior Designer / Sales

WV Credit Union (Space Planning, Furnishings and Finishes)

### Adjunct Professor

University of Charleston



**McKINLEY & ASSOCIATES**  
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

# Contract Administration

# DONNA PARCELL

## EDUCATION:

Belmont Technical College  
Pursuing a degree in Civil Engineering  
Technology

## PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Contract Administration  
Wheeling, WV (2005 to present)

The Norwood Company  
Field Project Engineer  
Allentown, PA (2004-2005)

Ciminelli Construction Company  
Assistant Project Manager (2004-2005)  
Project Administrator (2001-2003)  
Buffalo, NY

Roofer's Local J.A.T.C.  
Apprenticeship Coordinator  
Wheeling, WV (2000-2002)

N.F. Mansuetto & Sons  
Office Manager  
Martins Ferry, OH (1999-2001)

Kalkreuth Roofing & Sheet Metal  
Payroll Administrator  
Wheeling, WV (1996-1999)

Input Data, Inc.  
Data Entry Supervisor  
Concord, CA (1976-1996)

## SUMMARY OF EXPERIENCE:

Ms. Parcell's objective is to make an immediate and proactive contribution to the management team while taking on new challenges as they arise. She is excellent at multi-tasking and setting priorities, is team oriented, and can also work well without supervision.

## NOTABLE PROFESSIONAL EXPERIENCES:

### Contract Administrator for:

*West Virginia University - Colson Hall* (\$6 mil. and 34,000 SF)  
*West Virginia University - Maclin Hall* (\$6.2 mil. and 40,500 SF)  
*Wheeling Island Gaming Center - Compass Room* (\$4 mil.)  
*Bayer Federal Credit Union / Moundsville, WV* (\$1.3 mil.)  
*Mt. St. Joseph Convent Rehabilitation* (\$5.5 mil. and 71,000 SF)  
*West Virginia Northern Community College* (various projects)  
*Marshall County Schools* (various projects)

### Field Project Engineer - *Cabela's Distribution Center*

Phases I and II were each \$25 million and 600,000 SF. Assistant to Sr. Project Manager. AIA billings encompassing 21 contractors, writing and dispersing RFI's, requesting proposals, initiating change orders, coordination of purchase order requisitions between Ohio County Development Authority and contractors. Verifying insurance and bonds, typing contracts, drawing review, submittals, correspondence, supervision of contractors on site. Liaison between Owner and Norwood.

### Assistant Project Manager - *Wheeling Island Gaming Center*

A \$6 million project. Supervision of contractors during flood restoration/new office addition/new bar area/remodel of buffet. Tracking of time/materials and quoted work. Liaison between Owner, Construction Manager, and Wheeling Island.

### Assistant Administrator - *Wheeling Island Gaming Center*

An \$80 million project. Assistant to Sr. Project Manager. Review of AIA billings from 32 contractors, RFI's, invoicing, drawing log, sketch log, meeting minutes, change orders (sub and owner), change issues, contract review, submittals, correspondence, monthly status reports.





**ROBERT M. FULLER, P.E.**  
**Principal, Capitol Engineering, Inc.**

**QUALIFICATIONS**

Project Manager with fifteen (15) years of experience with site investigation, planning, design and contract administration services on military, site development and mine reclamation projects. Mr. Fuller has been fully responsible technically, managerially and administratively for the planning, investigation, design and contract document preparation for over fifty (50) projects in the State of West Virginia. Mr. Fuller has served as Associate Professor of Civil Engineering Technology at West Virginia University Institute of Technology on a full-time, part-time and adjunct basis.

**CERTIFICATIONS**

Registered Professional Engineer – WV, PA, OH  
OSHA 40-Hour Health and Safety Training  
OSHA Supervisor Training

**EDUCATIONAL BACKGROUND**

M.S. Engineering, Marshall University Graduate College, 1997  
B.S. Engineering Technology, West Virginia Institute of Technology, 1989

**PROFESSIONAL EXPERIENCE**

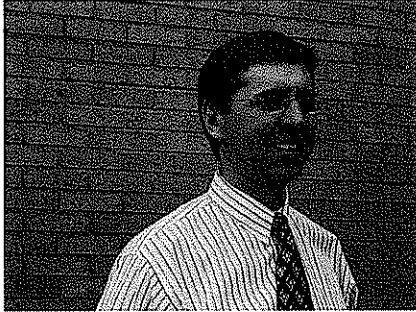
Mr. Fuller was principal or project manager for the following West Virginia Army National Guard Projects completed by Capitol Engineering, Inc..

- Joint Interagency Training and Education Center
- Ripley Armed Forces Reserve Center
- Elkins Armed Forces Reserve Center
- Fairmont Armed Forces Reserve Center
- Morgantown Readiness Center
- Kingwood Readiness Center
- Glen Jean Armed Forces Reserve Center
- Summersville Readiness Center
- Lewisburg Readiness Center
- AASF #1 Apron Expansion/Rehabilitation and Taxiway Replacement
- Camp Dawson Runway Extension
- AASF #1 Taxiway Repair
- Camp Dawson Range Renovations
- Williamson Armory Wash Pad and Military Parking
- Camp Dawson Fuel Canopies
- Engineering consultant for the Center for National Response
- Logan County Feasibility Study
- Mingo-Logan Siting Study
- Camp Dawson Chalets Evaluation
- Camp Dawson Rappelling Tower Evaluation
- Ross Property Conceptual Site Layout
- Eleanor AFRC & CSMS Utility Location and Property Staking
- Camp Dawson Qualification Training Range Preliminary Design Drawings
- AASF #1 Lease Boundary Determination and Marking
- Eleanor CHP Rail Spur Layout
- JISOTF Initial Planning Study

**PROFESSIONAL AFFILIATIONS**

Society of American Military Engineers  
American Society of Civil Engineers  
American Institute of Architects  
Construction Specifications Institute

# Resume



Douglas R. Richardson, P.E.  
President/Structural Engineer

## Education

North Carolina State University, (8/87-5/89).

Masters of Science in Civil Engineering, major in structures and minor in construction.

GPA 4.0/4.0.

West Virginia University, (8/83-8/87)

Bachelors of Science in Civil Engineering.

Ranking: 1st out of approximately 450 College of Engineering graduates. GPA 3.98/4.0.

## Professional Registration

Professional Engineer - WV #11699, MS #12349

Maintains active record with NCEES to facilitate prompt registration in additional states as required.

## Professional Affiliations

American Society of Civil Engineers

American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

Timber Framers Guild



# RESUME

## g&gbuilders

general contractor  
construction manager  
design builder

### mission

At G&G Builders we work to build relationships and create a team environment to achieve success that remains Steps Above the Standard. Everything we do reflects this mission and the values that make it possible.

### values

Lasting relationships  
Honesty and integrity  
Continuous improvement  
Pride in craftsmanship  
Knowledge and experience  
Taking on big challenges and seeing them through  
Accountability to customers and employees for commitments, results and quality

### history

Established in 1976  
Providing quality service and building lasting relationships for 30 years

### professional credentials

Contractors Association of WV, member  
Associated General Contractors of America, member  
Kanawha Valley Builders Association, member  
LEAD Drug Free Workplace Program

### civic affiliations

Putnam County Chamber of Commerce, member  
Tri-County YMCA, corporate member  
Numerous community and educational programs, sponsor

### professional accomplishments

West Virginia Conservation Contractor of the Year, 1994  
Nominated for AGC Build America Award, 1995  
Associated General Contractors of America Commendation for  
Excellence in Safety, 2005, 2003, 1996 & 1998  
Voted Best Builder in the Valley by Charleston Newspapers, 2005

# RESUME

## **garyyoung** | president

### **education**

Various construction related professional seminars including  
total quality management and alternative delivery methods  
Project Management, Safety & Partnering Sessions  
Putnam County Career & Technical Center  
Two year welding course, state certification  
Hurricane High School

### **employment history**

G&G Builders Inc., Sole Owner, 1994 to present  
G&G Builders Inc., Co-founder and Owner, 1976 to 1994

### **professional credentials**

Contractor's Association of WV, former president  
Young Presidents Organization, 1995 to 1999  
Joint Architect committee, member chairman, 1991  
West Virginia Safety Council, Inc.  
Contractor's Association of WV Strategic  
Planning Committee  
Contractor's Association of WV Economic  
Development Committee  
Contractor's Association of WV Legislative Committee

### **civic affiliations**

Governor's Partnership for Progress Council  
Putnam County Chamber of Commerce,  
Board of Directors, 1985 to 1990 & 1994 to 1999  
Putnam County Chamber of Commerce, chairman, 1994  
Tri-County YMCA Board of Directors, 1988 to 1989  
Putnam County Zoning Study Committee  
Putnam County Career & Technical Center  
Advisory Council  
Putnam County Rotary, charter member  
State Tree Farm Committee, member

### **personal and professional accomplishments**

Ernst & Young Entrepreneur of the Year award, 1998  
Putnam County Community Development award, 2001  
West Virginia Outstanding Tree Farmer of the Year, 1994

### **highlighted construction experience**

Williamstown Readiness Center  
Williamstown, WV  
48,486 S.F. National Guard Army Readiness Center  
General Construction

NGK Spark Plug Manufacturing Corporation  
Pocatalico, WV  
115,000 S.F. Spark Plug Manufacturing Facility  
General Construction

Teays Valley Cinemas  
Scott Depot, WV  
37,826 S.F. 10 Plex Cinema  
General Construction

Regional Jails & Correction Centers  
Charleston, Logan and Barboursville, WV  
554,464 S.F. Jails & correction centers  
General Construction

Riverside High School  
Diamond, WV  
Construction Manager



# RESUME

**michaeldavis** | vice president  
general manager

## education

Van High School, college prep curriculum  
Marshall University, civil engineering

## employment history

G&G Builders Inc., vice president/general manager,  
1989 to present  
Westar Construction Company, project manager,  
1984 to 1989  
Mid-West Tech, Dupont Plant, 1981-1984  
J. Groves & Sons, excavation foreman, 1978 to 1981

## professional credentials

Contractor's Association of WV, Education & Joint Architect committee  
WV Schools to Work Construction Committee Member  
LEAD Drug and Safety Training  
Completed Contractor's Licensing in Virginia,  
North Carolina, South Carolina and Indiana

## civic affiliations

Putnam County Chamber of Commerce  
Southern Baptist Convention National Committee  
on Nominations  
WV Bowhunters Association, member  
Almost Heaven Archers, charter member  
Cross Lanes Baptist Church, deacon, adult class teacher,  
vision task force member

## personal and professional accomplishments

Coached various youth football and basketball teams  
Organize and conduct youth and adult archery  
seminars throughout WV

## highlighted construction experience

Chapmanville Regional High School  
Chapmanville, WV  
133,000 S.F. New high School  
Construction Manager  
General Construction

Calhoun County Middle/High School  
Grantsville, WV  
163,500 S.F. New Middle/High School  
Construction Manager

International Coal Group LLC.  
Scott Depot, WV  
51,700 S.F. Office Headquarters  
Design Build

Massey Coal Services  
Julian, WV  
72,000 S.F. Office Headquarters  
Design Build

Toyota Motor Manufacturing  
Buffalo, WV  
1,125,000 S.F. Phase I, II and III  
General Construction

# RESUME

## holliemassie | chief estimator

### education

West Virginia University Institute of Technology, bachelor of science in technology management and associates in mechanical engineering technology  
Cabell Midland High School

### employment history

G&G Builders Inc., chief estimator  
Ferguson Brothers Company, Inc., project manager, 2001 - 2008

### professional credentials

Contractor's Association of WV  
LEAD Drug & Safety Training  
OSHA Ten Hour Training  
OSHA Thirty Hour Training  
WWSHE member

### personal and professional accomplishments

Coached youth softball and adult co-ed softball

### highlighted construction experience

St. Mary's Medical Center  
Huntington, WV  
1,400 S.F. Cath Lab #4 / Renovation Project  
General Construction

Toyota Motor Manufacturing  
Buffalo, WV  
1,100 S.F. Test Cell #5 / Renovation Project  
General Construction

Weiser Office Building  
Scott Depot, WV  
14,500 S.F. New Facility  
General Construction

# CORPORATE INFORMATION

## Firm History

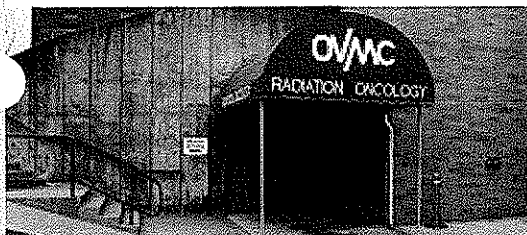
Founded in 1981, McKinley & Associates is a multi-discipline **full service Architectural & Engineering firm**, offering comprehensive **professional services in architecture, engineering, interior design and construction administration**. We have a broad range of skill and experience for projects involving educational, governmental, medical, commercial, religious and recreational operations.

In the past 28 years, **McKinley & Associates** has had extensive experience using **team approach** of bringing multiple firms together to collaborate by utilizing various skills in order to execute a successful project.



WVU Fire Training Academy

OVMC - Nurses Residence



OVMC - Radiation and Oncology Center

## Firm Information

**David McKinley, PE**  
Principal

**Tim Mizer, PE, RA**  
Director of Operations

**Gregg Dorfner, AIA, REFP**  
Director of Architecture

**Brad Crow, PE**  
Director of Engineering

## Date of Incorporation

1981 Wheeling, West Virginia

## Number of Professionals

Total Size	40+
Architects & Interns	10
Engineers	6
Contract Administration	4
Quality Control	2
Arch./Eng. Designers	10
Interior Designs	2
MIS	1
LEED Architects	1

Dr. Ganzer Office Building

## Location

### Headquarters

**The Maxwell Centre**  
Thirty-Two - Twentieth Street  
Suite 100  
Wheeling, West Virginia 26003  
P: 304-233-0140  
F: 304-233-4613

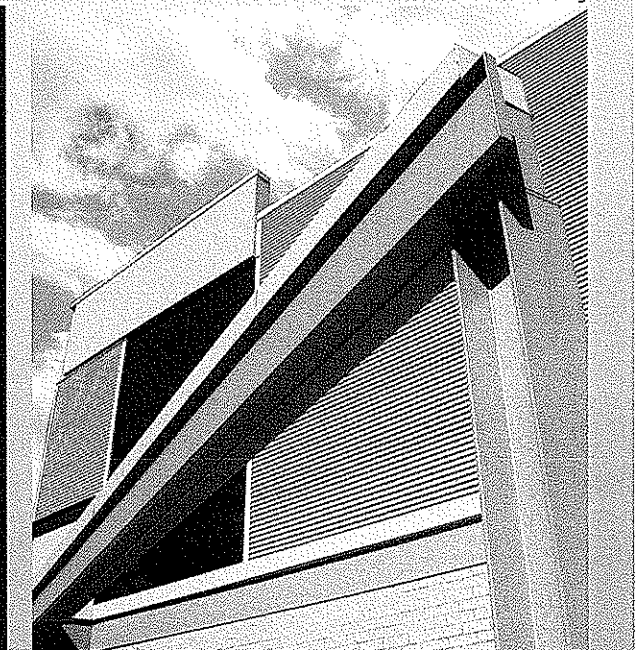
### Satellite Offices

**Charleston Area Alliance Building**  
1116 Smith Street  
Suite 406  
Charleston, West Virginia 25301  
P: 304-340-4267  
F: 304-340-4269

**Washington Trust Building**  
6 S. Main Street  
Suite 1028  
Washington, Pennsylvania 15301  
P: 724-223-8250  
F: 724-223-8252

## Credentials

**McKinley & Associates** is a member of the following **organizations**:  
CEFPI, AIA, WVEDC, AIA, NFPA, NCARB, ASCE, ASPE, BOCA, ASHRAE, ACI International



# QUALIFICATIONS

**F**ounded in 1981, McKinley & Associates has become generally accepted as the largest A/E firm in West Virginia. We provided design services for projects representing more than \$100,000,000 annually in construction value.

We have a broad range of skills and experience for projects involving medical, religious, educational, government agencies, manufacturers, commercial and recreational operations, as well as developers. In the past 5 years our firm has been awarded 3 prestigious AIA Honor and Merit Awards for our works.

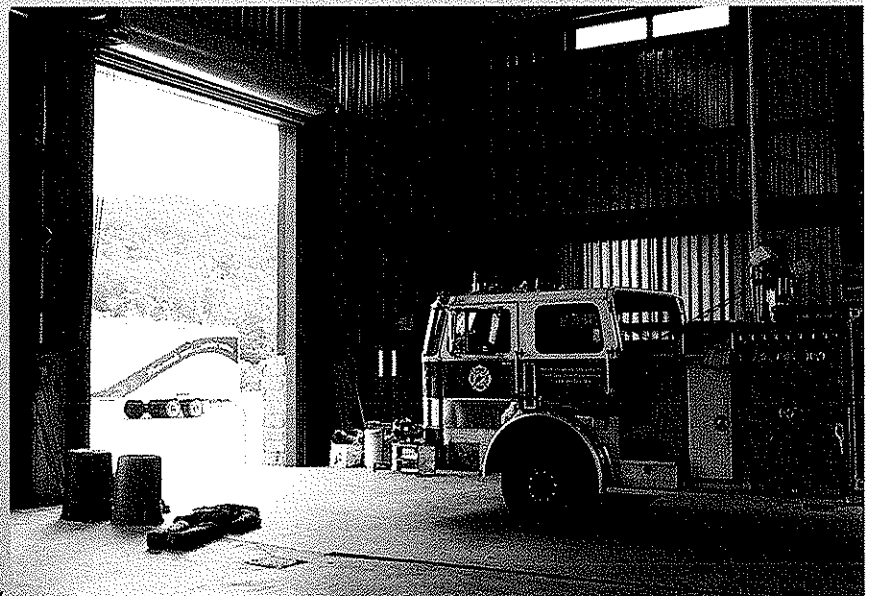


Wheeling Island Fire Station

We understand that the success of emergency facility architecture is measured not just by architectural design alone, but also by the added considerations of all members of the design and development team. We also focus on the multi-purpose nature of these facilities. We understand your building may require offices, a conference room, garage, locker room, shower facilities, limited sleeping, and a large open space (assembly hall). In addition, the facility and grounds may include parking, attached or detached storage, fueling station, landscape, security lighting and fencing, and a unique entry.

A cohesive, integrated, comfortable, healthy and flexible environment are paramount attributes to providing a serviceable emergency facility.

As West Virginia's largest A/E firm, our 40+ person Professional staff includes: Architects; Civil, Electrical, Plumbing & Fire/Life Safety, Mechanical and Structural Engineers; Interior Designers and Recognized Educational Facilities Planners. We have provided professional services in all 55 counties of West Virginia.



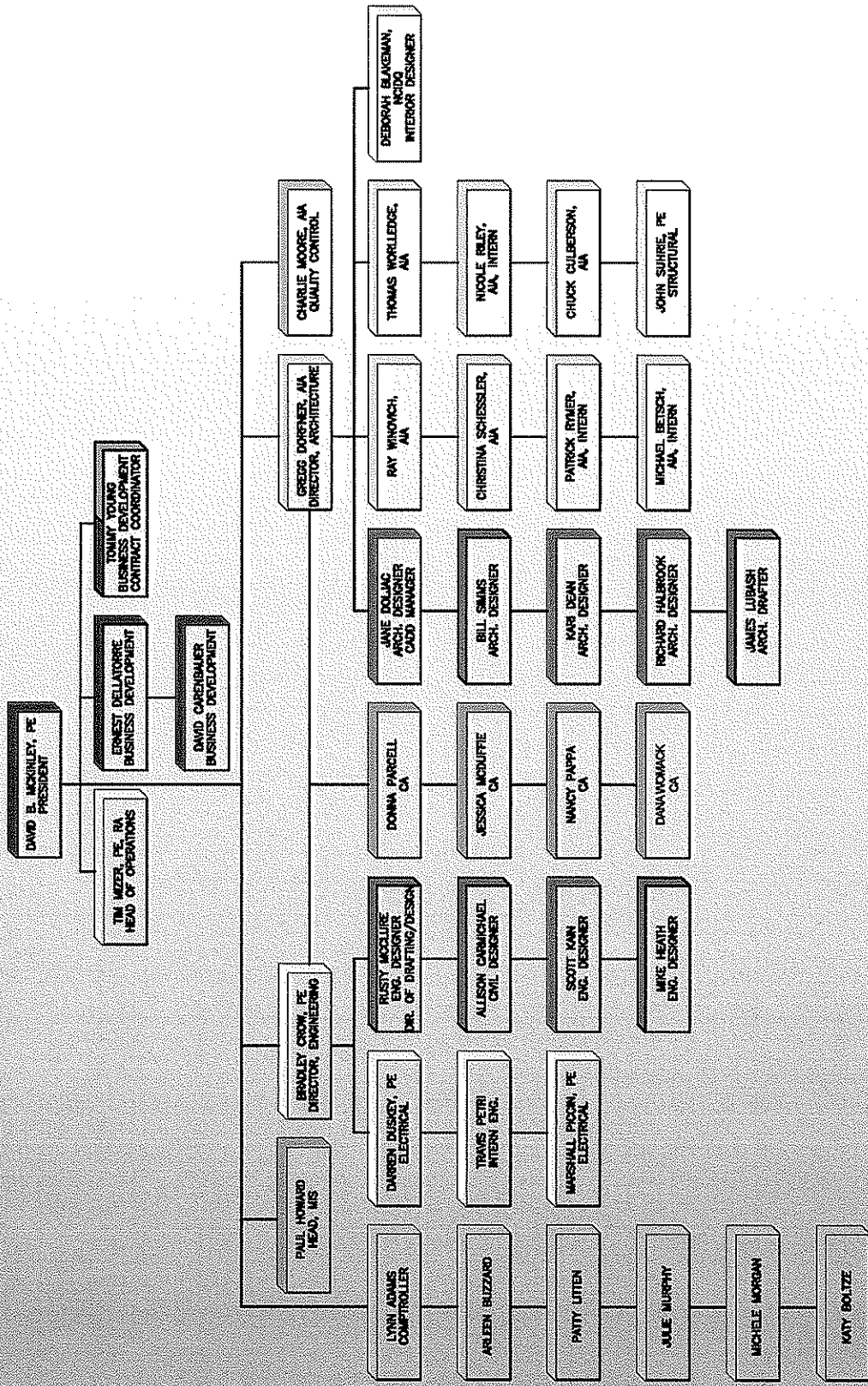
State Fire Training Academy



# ORGANIZATION CHART

REVISED 2-9-2009

**McKINLEY & ASSOCIATES**  
ARCHITECTS • ENGINEERS • INTERIOR DESIGN  
**ORGANIZATION CHART**



# CLIENT TESTIMONIALS

*Steve Tucker* Lt. Colonel

## **West Virginia State Police**

*"McKinley & Associates listens well to our staff's programming needs, and develops cost efficient design for us throughout the state."*

*David Sneed* Architectural Director

## **School Building Authority**

*"Their projects continually come in on time, under budget, and the quality of their documentation is greatly appreciated."*

# REFERENCES

Lt. Col. Steve Tucker  
WEST VIRGINIA STATE POLICE  
4124 Kanawha Turnpike  
South Charleston, WV 25309  
304/746-2253

Mr. Don Mackey  
US POSTAL SERVICE  
Facilities Service Office  
Post Office Box 27497  
Greensboro, NC 27495-1103  
336/665-2894

Mr. Robert Moyer  
WEST VIRGINIA UNIVERSITY  
Physical Plant  
979 Rawley Lane  
P.O. Box 6572  
Morgantown, WV 26506  
304/293-2873

Mr. Robert Herron  
CITY OF WHEELING  
1508 Chapline Street  
Wheeling, WV 26003  
304/234-3617

# INTERIOR DESIGN

**B**asic interior services begin with a strategy session designed to determine the owner's project requirements, timetable and budget.

The interviews will include analyzing space requirements, operating procedures, communication relationships and future needs. Inventory of existing conditions are used to develop accurate drawings and plans.

Application of current ADA and building codes will be applied to the developed plans for way finding (signage, directories, fire escape plan), furnishings and finishes. Attention to budget and maintenance is given in relationship to owner needs.

Construction documents required to detail the project include schedules, elevations, plans, presentation boards and specifications.

To maintain coordination, the follow up contract administration consists of submittal review, post construction evaluation and coordination of FF&E contracts when applicable.



Deb Blakeman, NCIDQ #015070, is knowledgeable and has experience with application of ADA regulations, ergonomic standards, state building code and industrial standards as they apply to interior furnishings, space planning and finishes. Improving comfort through lighting and ergonomically sound furnishings will increase employee performance. Efficient spaces aid in organization, and work flow, by decreasing communication barriers.



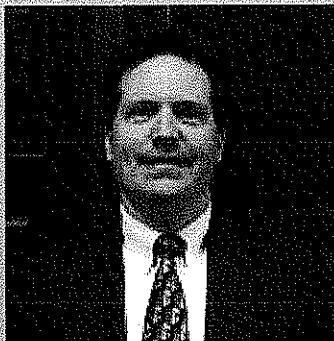
**McKINLEY & ASSOCIATES**  
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

# SUSTAINABLE DESIGN

**B**uildings designed today will need to meet the demands of the future; McKinley & Associates identifies the changes necessary in the design of today and to meet these demands. This approach helps to retain the buildings' long-term profitability and value, which achieves the buildings' **sustainability**.

McKinley approaches ecological design from a business perspective, offering proactive solutions to complex problems such as indoor air quality, energy efficiency, resource depletion, and water quality. With commercial and institutional project experience, the McKinley Team can work alongside local designers to provide sustainable design and construction guidance. We also offer full architectural design services and guided design workshops on sustainable design issues.

**LEED®** (Leadership in Energy and Environmental Design) Green Building Rating System™ developed by the U.S. Green Building Council (USGBC) is the nationally accepted standard for the design, construction, and operation of high performance green buildings. LEED recognizes that sustainable design requires a team approach to achieve the desired goals. McKinley has LEED Accredited Professionals on staff along with our skilled architectural/engineering team to efficiently and cost effectively achieve certification under this standard or we can guide you through the process in order to develop sustainability goals specific to your project.



Thomas R. Worlledge, AIA, LEED AP, REFP has been a member of the USGBC since 2001. He was the first LEED Accredited professional in the state of West Virginia and has served on the committee that sets the standards for the international energy code.

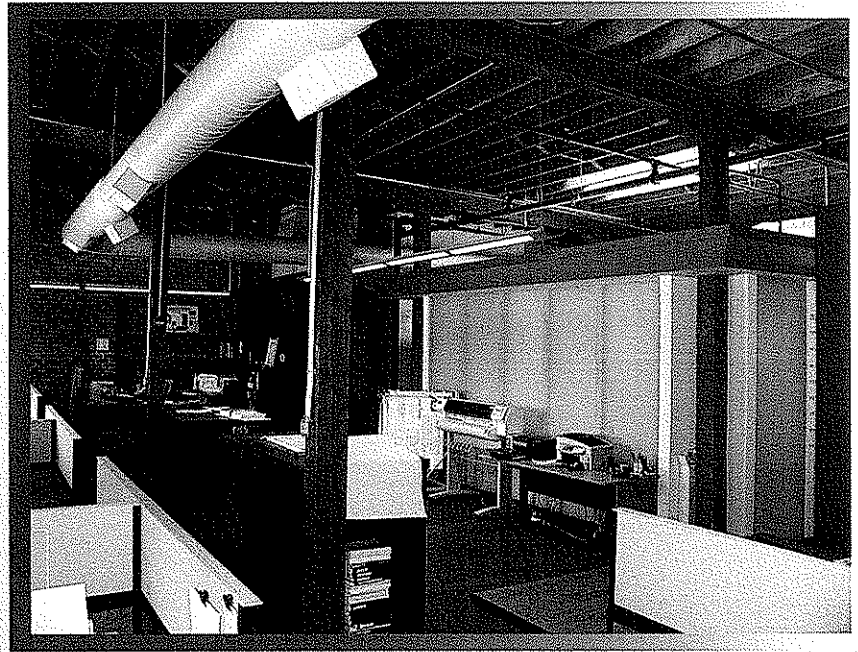
# McKinley & Associates CHARLESTON OFFICE

## Besides the paint, what makes this office "green"?

McKinley & Associates has been practicing "green" for years and has won awards for converting unused warehouse space into striking modern office buildings. One of the best ways to build green is to adapt an existing building; twenty percent of a building's energy consumption is embodied in the building's physical structure itself.

In our newly renovated Charleston Office, the first thing you will notice is we left most of the existing structure exposed. This minimizes the amount of new materials required to define the space and allowed us to utilize some special features. For example, our centrally located conference room "Lantern" glows all day long from natural sunlight from above. This room's ceiling acts as a reflector, bouncing natural light throughout the space.

In addition to reusing the space, we also reused doors to make all of the desks, workstations and conference table. The top of the dividers is made from "Homosote", a board made from 100% recycled newspapers and covered with a fabric made from 100% recycled polyester. An office full of unique, durable office furniture for less than 1/10<sup>th</sup> of the cost of standard modular furniture is another advantage.

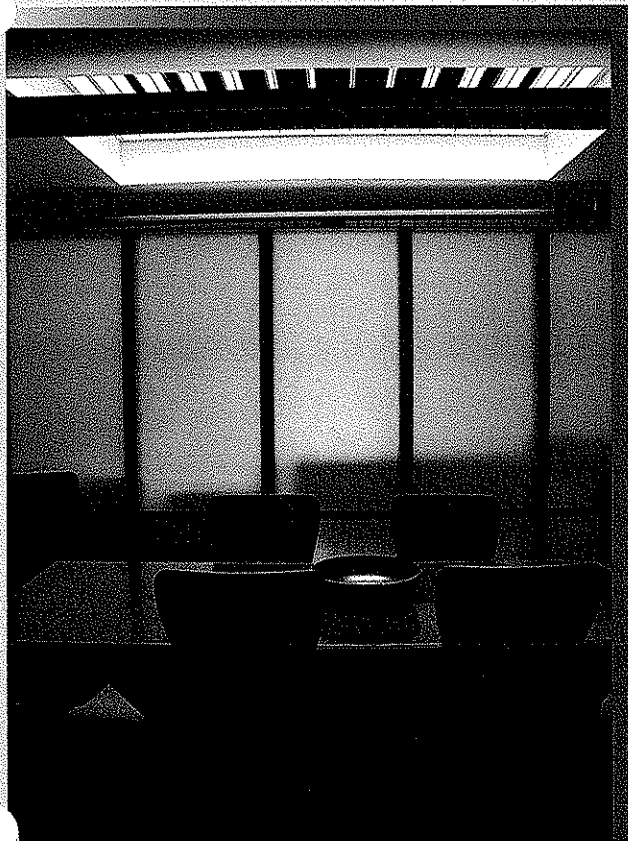


The office chairs are new, but the "Zody" chair by Haworth is the first chair to be Cradle to Cradle Gold Certified. This certification means that the manufacturer will take back the chair at the end of its useful life to disassemble and make a new chair, completing the cycle.

Yes, the paint on the walls is green, but it also has very low volatile organic compounds (VOC's) which keeps the air we breathe cleaner, and contains an anti-microbial which inhibits the growth of mold and mildew.

Most of the floor we chose to clean and seal with water based polyurethane, leaving the natural distressed state of the floor. The remainder of the space, we used a carpet tile by LEES which minimizes waste, has 35% recycled content and is Green Label Certified, meaning it meets stringent indoor air quality requirements.

The window blinds allow the control of glare while maintaining the view and minimizing heat gain. The direct/indirect lights are controllable so we can adjust the amount of electric lighting dependant on the amount of natural light coming in from the windows and the skylight. Even the bowl on the conference room table is recycled from the original fire bell that used to be on the exterior of the building.



# GOVERNMENT-FUNDED EXPERIENCE

**M**ckinley & Associates has extensive design experience in a variety of federally funded projects ranging from HUD-Housing projects to the DOD- Air Force F-16 jet fighter heat shields to NASA's Classroom of the Future.

**The following are the federal agencies we have designed for in the past:**

NATIONAL AERONAUTIC AND SPACE  
ADMINISTRATION

UNITED STATES POSTAL SERVICE

DEPARTMENT OF DEFENSE

VETERANS ADMINISTRATION

ECONOMIC DEVELOPMENT ADMINISTRATION

DEPARTMENT OF HOUSING AND URBAN  
DEVELOPMENT

FEDERAL AVIATION ADMINISTRATION

MINE SAFETY AND HEALTH ADMINISTRATION

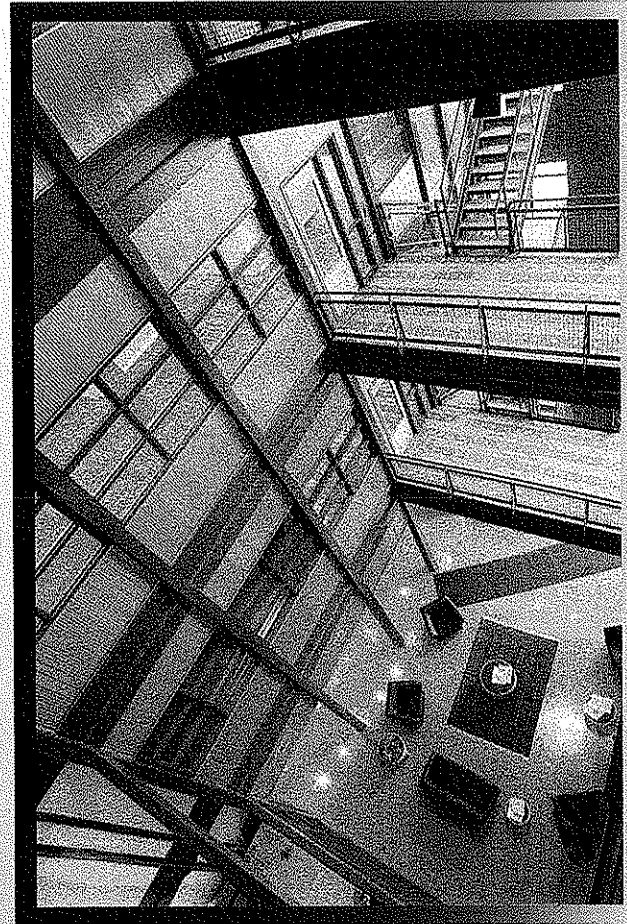
**This list represents a brief history of  
some of the more current projects:**

**UNITED STATES POSTAL SERVICE  
State of West Virginia**

Designed over 100 Post Offices throughout West Virginia for ADA compliance. We currently are under two open-ended contracts with USPS and provide design services all over West Virginia.

We have designed over 15 other building and engineering projects both new and addition / rehabilitation in numerous cities in West Virginia.

We have also provided Services to the State of West Virginia, the State of Ohio, and to the Commonwealth of Pennsylvania. We have completed work for numerous counties and cities throughout these states.



**NASA / WHEELING JESUIT COLLEGE  
"CLASSROOM OF THE FUTURE"  
Wheeling, West Virginia**

45,000 SF high-technology center, responsible for all engineering design. Work included mechanical, electrical, structural and civil engineering.

# GOVERNMENT-FUNDED EXPERIENCE

## **WEST VIRGINIA HIGH-TECH CONSORTIUM** Fairmont, West Virginia

Engineering of a 3 building complex in Fairmont, West Virginia. Is the home to many technology firms. Total project size 77,000 SF.

## **DEPARTMENT OF DEFENSE, UNITED STATES AIR FORCE** Ogden, Utah

Reverse engineering of the F-16 fighter jet heat Shield. Worked directly with Hill Air Force Base in Ogden, Utah. Had them manufactured at West Virginia's Follansbee Steel.

## **STATE BUILDING** Weirton, West Virginia

Incorporated a state of the art multi governmental agency into one using 39,500 SF space with the cost of \$4 million to building. Work included master plan and all architectural and engineering components.

## **VETERANS ADMINISTRATION** Numerous Locations

### **PITTSBURGH, PA**

- Central Computer Facility
- Fire Suppression System
- Mechanical Equipment Modifications

### **CLARKSBURG, WV**

- Door replacement program

### **BECKLEY, WV**

- Central Computer Facility
- Nurses Station
- Veterans' Hospital
- Same Day Surgery Suite
- Oncology Addition

### **HUNTINGTON, WV**

- Medical Vacuum System

## **MARSHALL COUNTY COMMISSION** Marshall County, West Virginia

Work included a new Magistrates Building. Project includes new offices, courtroom and hearing rooms in a secure environment.

## **NATIONAL TECHNOLOGY TRANSFER CENTER / WHEELING JESUIT UNIVERSITY** Wheeling, West Virginia

85,000 SF, high-technology center. Responsible for engineering element. Designed in conjunction with WTW of Pittsburgh.



**McKINLEY & ASSOCIATES**  
ARCHITECTS • ENGINEERS • INTERIOR DESIGN



# GOVERNMENT-FUNDED EXPERIENCE

## DEPARTMENT OF HOUSING & URBAN DEVELOPMENT

### Numerous locations

We have worked with the HUD funding and review process in the design and construction of housing and modernization and ADA projects:

\$11.1 million Hope VI neighborhood project.

Over 138 homes designed and constructed on two sites.

\$1 million modernization project for the Moundsville Housing Authority

2.5 story elderly housing projects, responsible for all engineering

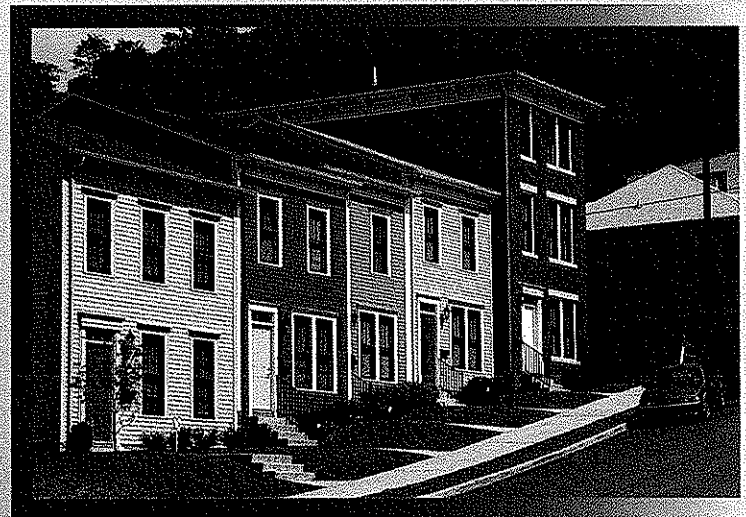
Rehabilitation of a historic building for Northwood Health Systems

Numerous renovation and site development projects for the Wheeling Housing Authority, Benwood Housing Authority, McMechen Housing Authority, Fairmont Housing Authority and Morgantown Housing Authority.

## OHIO COUNTY AIRPORT MASTER PLAN

### Ohio County, West Virginia

Prepared a master plan study for the Ohio County Commission regarding future use of adjacent land around the Wheeling - Ohio County Airport. Work included proposed building sites as well as road circulation.



# Mountaineer Challenge Academy

# WV ARMY NATIONAL GUARD

## Kingwood, West Virginia

Owner  
West Virginia University

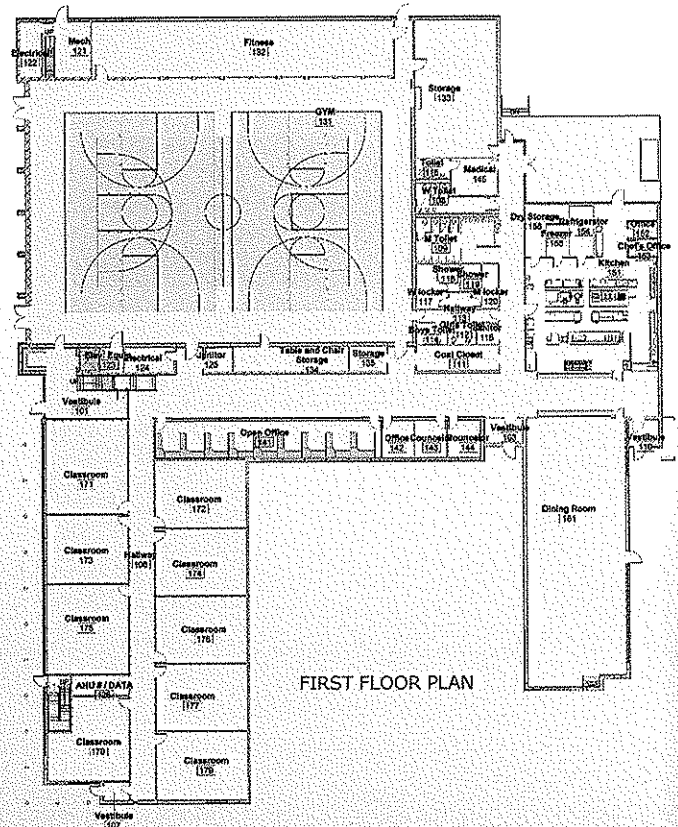
Size  
54,800 SF approx.

Construction Cost  
\$12.3 mil.

Project Architects  
Hamid Noughani

Project Engineers  
McKinley & Associates

Currently under construction is the \$12.7 million Mountaineer Challenge Academy. This 54,800 SF building is located at Camp Dawson in Kingwood, WV. Our involvement in this project includes MEP engineering and contract administration.



# Fire Training Academy

# WEST VIRGINIA UNIVERSITY

## Jackson's Mill, West Virginia

### Owner

West Virginia University

### Size

25,752 square feet including  
the 8,300 sq. ft of the Arena

### Construction Cost

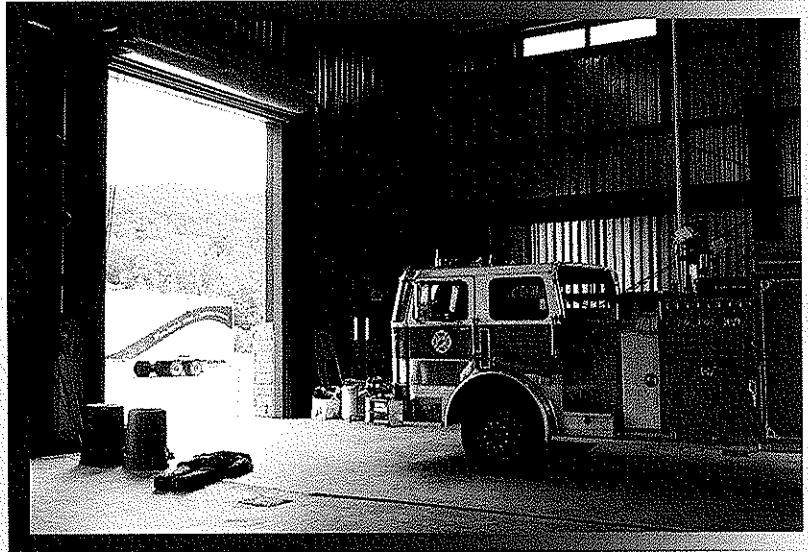
\$4.5 mil.

### Project Architects-Engineers

McKinley & Associates

### Project Architect

Christina Schessler, AIA



The West Virginia State Fire Training Academy is located near the Jackson's Mill 4-H Campus in Lewis County, WV. Because of the proximity to this state historic site, the design directive given by the Owner was to blend into the rural community. The exterior brings to mind a barn set into the sloping terrain in an agricultural setting.

There are two major components to the building; the first of these is the Classroom Wing. It contains a distance learning facility, a conference room, plus two other connected instructional spaces that allow for a range of

class sizes. The administrative area is private but easily accessible from all classrooms.

The second component, the Arena, is an all-weather interior training facility. The scale of this structure, having a clear interior height greater than 30', allows the full extension of authentic fire training apparatus for various types of hands-on programs. A custom metal building skeleton with a board & batten metal skin was designed. The siding is representative of rural, vertical barn siding and serves as an integrating element throughout the large complex.



# WEST VIRGINIA STATE POLICE

**Owner**  
West Virginia State Police  
4124 Kanawha Turnpike  
S. Charleston, WV 25309  
P: 304/746-2253



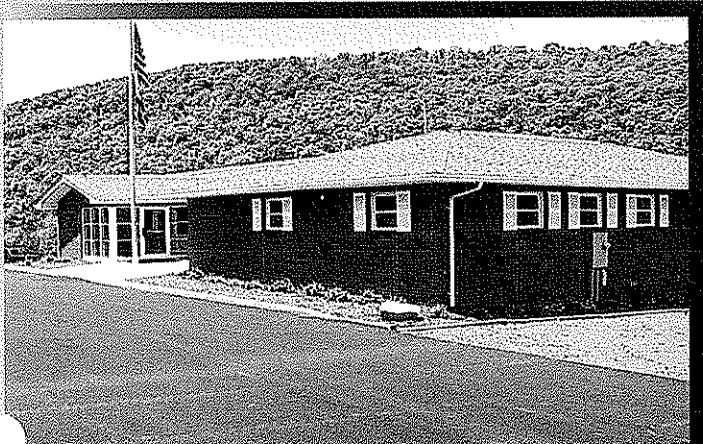
**Construction Cost**  
These projects were completed under a multi-year open-ended agreement

**Project Architects-Engineers**  
McKinley & Associates

McKinley & Associates completed architectural and engineering design services on new detachments in Morgantown, Wheeling and Berkeley, West Virginia. Moreover, we also have completed numerous renovations as well as additions on police detachments throughout the State.

McKinley & Associates is proud to showcase continuous work for the West Virginia State Police throughout our region, and we are pleased to say that we have also surveyed, reviewed, projected, budgeted, and documented 72 police facilities throughout the state.

Architectural and Engineering design for new addition and renovations to the detachment in Pendleton, West Virginia. Included in the structure are the following departments: DMV, BCI, 911, & regular squad space.



The 11,721 SF new detachment in Morgantown, West Virginia included the following departments: DMV, MVI, BCI & regular squad space.



New detachment in Wheeling, West Virginia. The building includes the following departments: DMV, MVI, Interstate Patrol, Drug Enforcement, BCI & regular squad space.



A new detachment in New Cumberland, West Virginia included the following departments: DMV, MVI, BCI & regular squad space.



**McKINLEY & ASSOCIATES**  
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

# UNITED STATES POSTAL SERVICE

## Owner

United States Postal Service

## Construction Cost

These projects were completed under a multi-year open-ended agreement

## Project Architects-Engineers

McKinley & Associates

McKinley & Associates has designed over 100 Post Offices throughout West Virginia for ADA compliance. We currently are under our second multiple year open-ended contract with the United States Postal Service and we provide design services all over West Virginia. We have designed over 15 other Post Office facilities and engineering projects for the USPS, both new and addition / rehabilitation, in numerous cities within West Virginia.



# WEST VIRGINIA STATE BUILDING

Weirton, West Virginia

**Owner**

State of West Virginia

**Size**

39,500 SF

**Construction Cost**

\$4 million

**Project Architects-Engineers**

McKinley & Associates

**Project Architect**

Gregg Dorfner, AIA

**Contractor**

Walters Construction

Architectural and Engineering design on a new building in Weirton, West Virginia. The building measures 39,500 SF. Included in the structure are the following departments: judicial offices along with storage and office space.



# WHEELING ISLAND FIRE STATION

Wheeling, West Virginia

**Owner**  
City of Wheeling

**Size**  
8,000 SF approx.

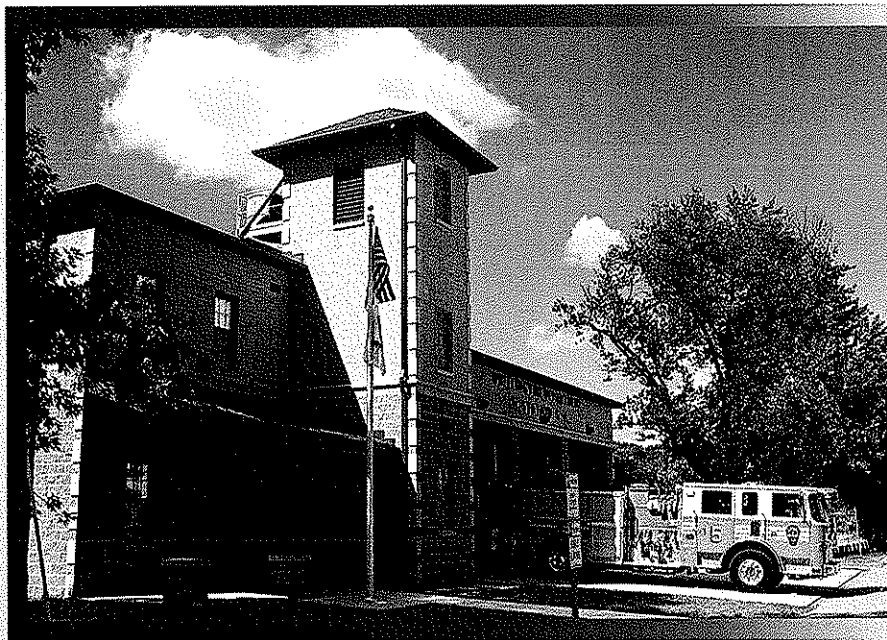
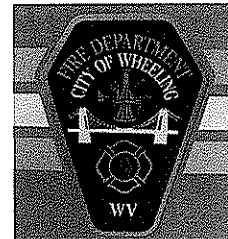
**Construction Cost**  
\$1.3 mil.

**Project Architects-Engineers**  
McKinley & Associates

**Project Architect**  
Christina Schessler, AIA

**Contractor**  
Walters Construction

The **Wheeling Island Fire Station** proved to be a very exciting and interesting project for **McKinley & Associates**. Currently, the **Fire Station** is nearing completion and will be occupied by the Wheeling Fire Department's Engine Company No. 5.



# SERBIAN-AMERICAN CULTURAL CENTER

## Weirton, West Virginia

A 24,000 SF masonry building featuring a meeting/reception room to seat 650 people, as well as a large commercial kitchen, lounge and gymnasium. This \$2 million dollar project also included full locker rooms to serve the gym as well as storage areas and offices to support the building staff. All architecture, engineering and site design work by our firm.

### Owner

State of West Virginia

### Size

24,000 SF

### Construction Cost

\$2 million

### Project Architects-Engineers

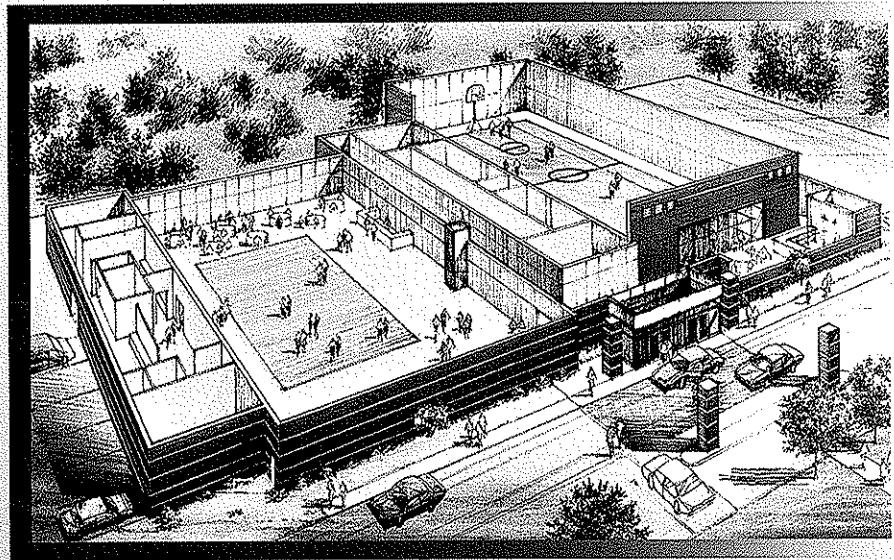
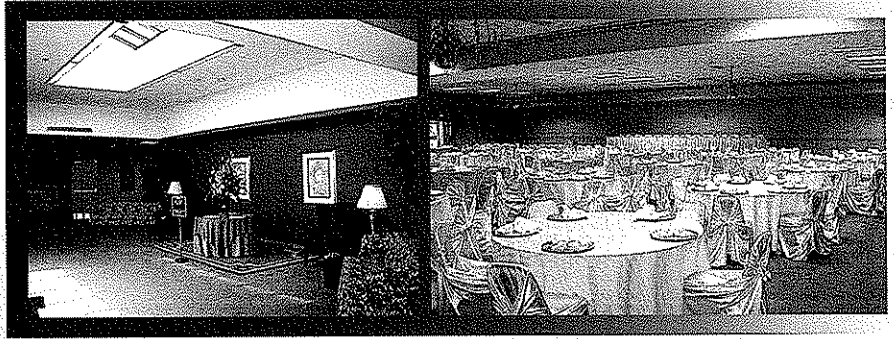
McKinley & Associates

### Project Architect

Charles Moore, AIA

### Contractor

Walters Construction





## School Bond Projects

# WOOD COUNTY SCHOOLS

## Wood County, West Virginia

### Owner

Wood County Schools  
1210 13th Street  
Parkersburg, WV 26101  
P: 304-420-9663

### Size

557,000+ SF approx.

### Construction Cost

\$63+ mil.

### Project Architects-Engineers

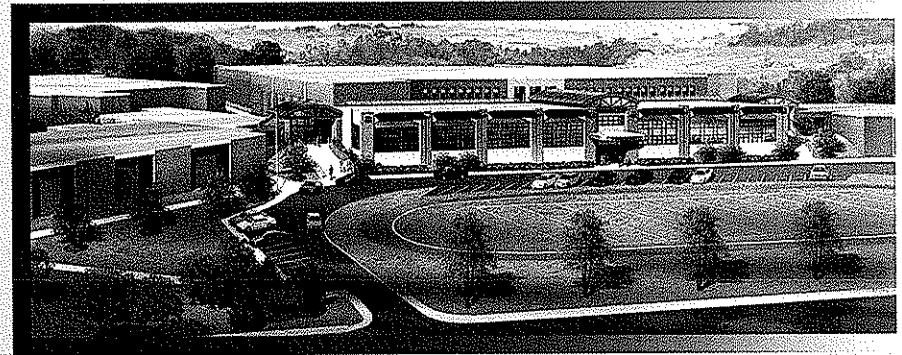
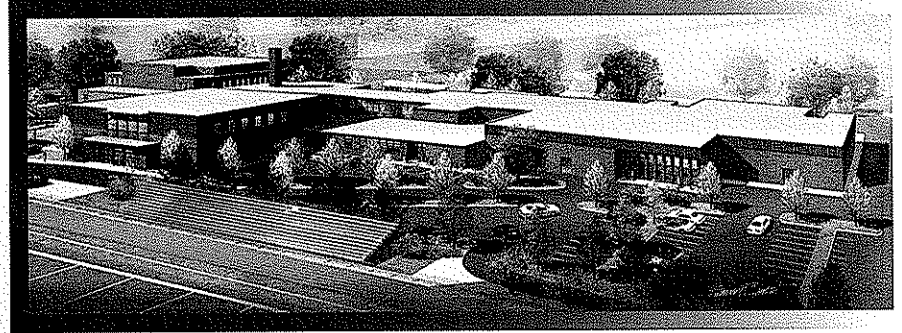
McKinley & Associates

### Project Architect

Gregg Dorfner, AIA

### Contractor

Colaianni Construction  
Cattrell Companies  
Grae-Con Construction



Parkersburg High School, Parkersburg South High School and Williamstown High School, are the three high schools in Wood County awaiting additions and renovations completed by McKinley & Associates. They are full architectural and engineering projects requiring great attention to detail,

aesthetics, safety and well being of students, while creating a progressive image which will reflect within the community. The state-of-the-art designs will provide learning opportunities for the students that will be beyond compare.



## ***Introduction***

Capitol Engineering, Inc. (CEI) proposes to perform civil engineering and surveying services for the West Virginia National Guard to develop engineering plans and specifications for the Buckhannon Readiness Center. We have experience planning, designing, specifying, preparing contract documents, bidding and performing contract administration on many types of military facilities including Readiness Centers, Airfields, Training Areas and Ranges. Our experience and resources give us the ability to handle both complex and routine projects.

### ***Why CEI?***

CEI offers the highly specialized experience, attention to minute detail, and the unparalleled level of personal client support provided by a small boutique firm. We are particularly attractive because:

- Our management, engineering and professional staff has a combined total of over 120 years of experience – much of it acquired while working on military facilities.
- Staff has participation and completion of 15 National Guard projects in West Virginia.
- Management team has 30+ years and over 50 projects total specialized experience providing timely, cost effective construction documents for military facilities.
- Experience to successfully handle all design situations and problem types anticipated to occur under this contract.
- Construction and Facilities Maintenance Office satisfaction with prior work/projects performed by key staff members.

## ***CEI Overview***

Capitol Engineering is a locally owned consulting engineering firm founded in 1999. CEI has steadily grown since its inception with three employees. CEI possesses in-house services in civil, environmental and mining engineering, contract administration, and surveying and mapping. Our staff is made up of two Professional Engineers, a Professional Surveyor, Project Engineers and Scientists, CAD Operators, Technicians, and administrative personnel. Our client base is comprised of contractors, architects, engineers, developers, private industry, and federal and state agencies. A complete list of services is as follows:

### **Civil Engineering**

*Geotechnical Engineering  
Project Management  
Rail Siding Design  
Roadway Design  
Site Development & Grading Plans  
Siting Studies  
Slope Stability Analysis  
Stormwater Systems  
Wastewater Treatment Systems*

### **Environmental Engineering**

*Environmental Due Diligence  
Environmental Site Reviews  
Erosion & Sedimentation Control  
NPDES, GPCC, SPCC Plans  
Solid Waste & Landfill Design  
Stormwater Management Plans*

### **Construction Administration**

*Bid Analysis & Management  
Construction Observation  
Damage Settlement  
Submittal Review*

### **Surveying & Mapping**

*Control Surveys  
Floodplain Studies  
GPS Surveys  
Mineral Reserve Surveys  
Planimetric Surveys  
Quantity Determination Surveys  
River & Lake Soundings  
Topographic Survey*

### **Mining Engineering**

*Abandoned Mine Land Reclamation  
Acid Mine Drainage Passive Treatment  
Geologic & Hydrologic Evaluations  
Mine-Related Subsidence Investigations  
Mining Permits, Modifications, & IBR's  
Reclamation Liability Audits  
Surface Mine Surveying & Mapping*

# *WHY CHOOSE CAPITOL ENGINEERING?*

Capitol Engineering is 100% employee-owned and operated and is committed to providing the highest quality of services to our clients. Our mission is to help clients achieve their objectives in the most intelligent and cost-effective manner.

## **Project Management Organization Structure**

A project manager is assigned to manage a project from inception to completion rather than having the project pass from one section or department to another as is typical in many other firms. The project manager maintains continuity and has direct responsibility to guide the project through all its phases, ensuring client's schedules and budget goals are met. Clients benefit from dealing with one individual who is knowledgeable of all facets of the project and can be responsive in an integrated and comprehensive manner to any change or problem that may arise.

## **Quality Control Procedures**

CEI is committed to providing only the highest quality of services to our clients. To achieve this, a project manager undergoes a review at or near the end of each major phase of work. This review is facilitated by the project manager and is conducted by other project team members as well as others not directly involved with the project. Highly technical or complex projects will be subjected to a "peer review" by another engineering firm, with the client's permission.

## **Commitment and Dedication**

CEI's mission is to help clients achieve their objectives by providing highly responsive, technically excellent and cost-effective services. We provide these services so members of our project team can achieve their professional and career objectives in an enjoyable work environment.

## PROJECT EXPERIENCE



### Project Title

Army Aviation Support Facility #1  
Apron Expansion/Rehabilitation  
and Taxiway Replacement

### Site Location

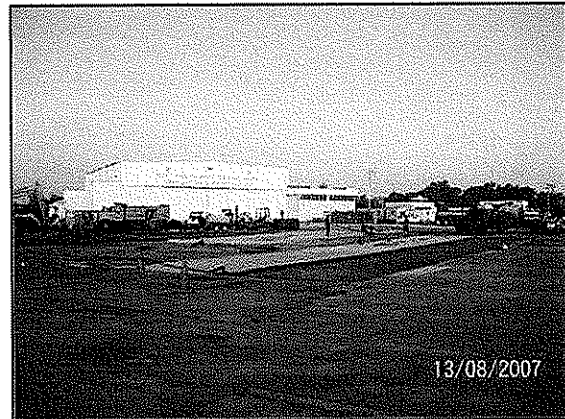
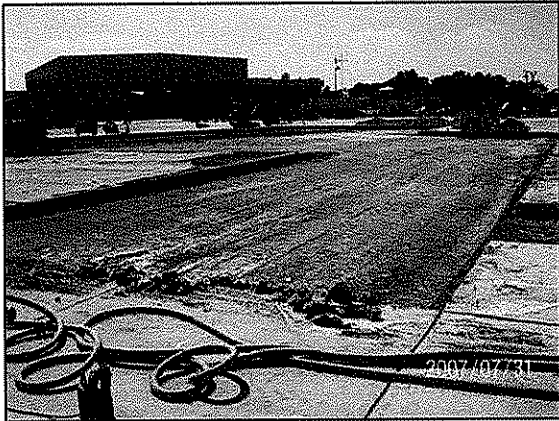
Wood County Airport  
Parkersburg, West Virginia

### Owner

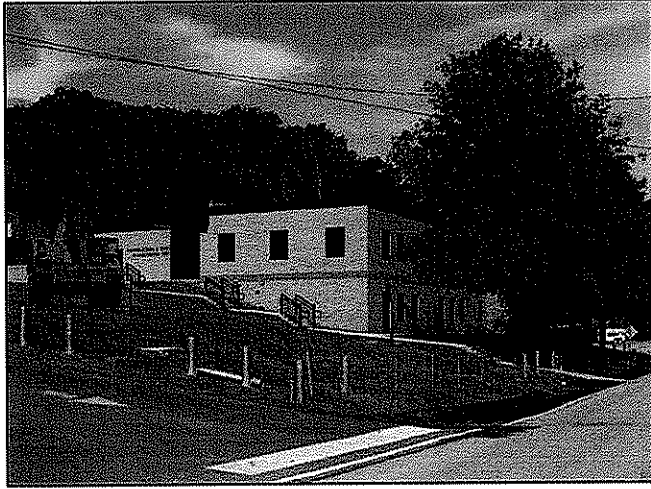
West Virginia Army National Guard  
Construction and Facilities Management Office

### Project Description

Capitol Engineering, Inc. (CEI) was selected by the West Virginia Army National Guard to perform upgrades and renovation of the Army Aviation Support Facility #1. The project involved replacement of the existing taxiway, rehabilitation of the existing concrete apron, and expansion of the apron. Site investigation services included surveying and mapping, inspection of existing facilities, and a limited geotechnical investigation to support pavement design for the taxiway. CEI prepared design and construction documents for this project and performed Site Observation and Contract Administration for the client. Total project cost was \$2,500,000.



## PROJECT EXPERIENCE



### Project Title

C&FMO Office Expansion  
Site and Civil Design

### Site Location

WV National Guard Complex  
Charleston  
Kanawha County, WV

### Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

### Project Description

The Construction and Facilities Management Office Expansion consisted of the construction of a 12,000 square foot office building, 6,000 square foot maintenance area, and renovations to the existing Armory Board office at the Coonskin Drive National Guard Complex. Capitol Engineering, Inc. performed the site investigation and site/civil design portions of the project. Total project cost was \$2,600,000.

The project included the following design elements:

1. Parking area, walkways, stairs and general site features
2. Utilities and an oil/water separator for the maintenance facility.

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Utility and construction easements



# PROJECT EXPERIENCE



## Project Title

Camp Dawson  
Lower Range Renovations

## Site Location

Kingwood, Preston County, WV

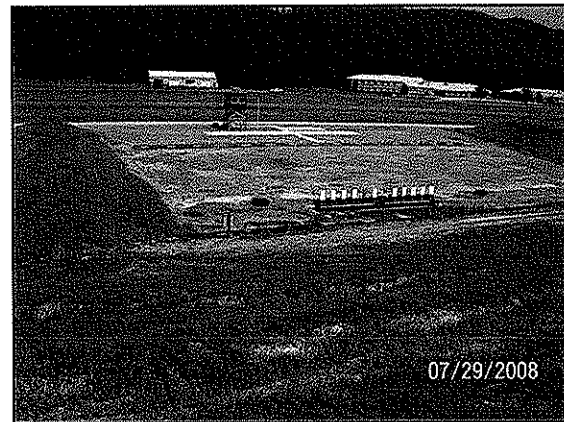
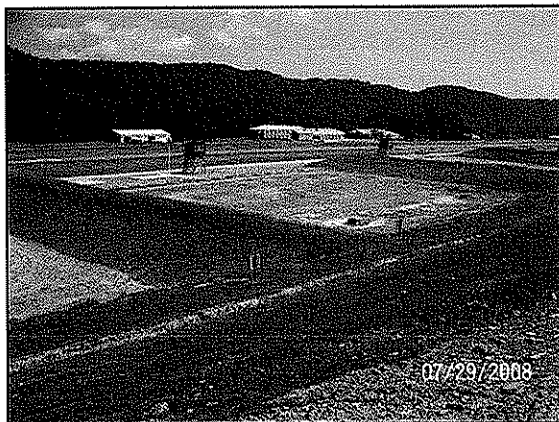
## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

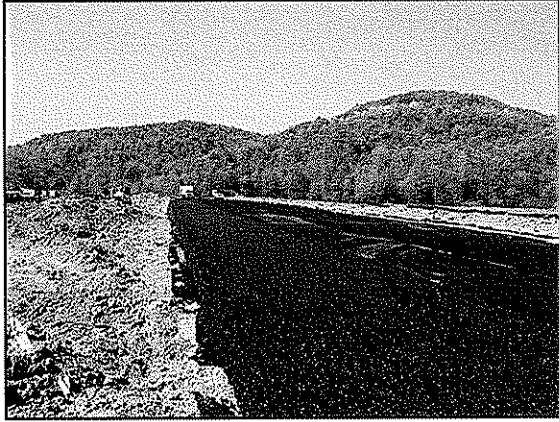
## Project Description

CEI prepared the plans for renovations to the Small Arms Range Complex at Camp Dawson Army Training Site. The project required the development of a comprehensive Range Master Plan. CEI facilitated the plan development and served on the Master Planning Committee along with personnel from the WVARNG Facilities Management Office, Camp Dawson Operations, and the Post Engineer.

CEI performed site investigation services which included surveying and mapping, inspection of existing facilities, and a limited geotechnical investigation. CEI developed design and construction documents for this project. The most significant upgrades to the facility included a new Combat Pistol Qualification Course and a new 25-meter rifle range. The project also included the design of range support facilities including observation towers, storage buildings, a classroom/latrine building and the extension of utilities from main post. Total project cost was \$1,250,000.



## PROJECT EXPERIENCE



### **Project Title**

Camp Dawson  
Runway Extensions

### **Site Location**

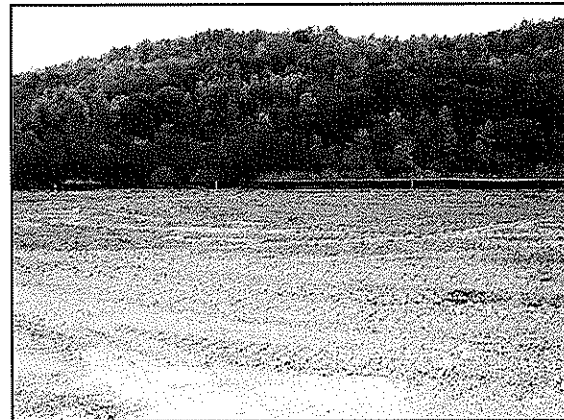
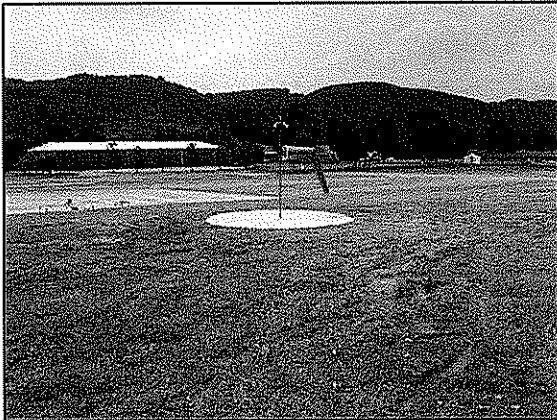
Camp Dawson Collective Training Center  
Preston County, WV

### **Owner**

West Virginia Army National Guard  
Construction and Facilities Management Office

### **Project Description**

Capitol Engineering, Inc. was selected by the WVARNG/C&FMO for two runway renovation/upgrade projects. The projects involved a 350' paved extension for take offs, a 650' paved extension for emergency runout, lighting and marking replacement, and the installation of a Precision Approach Path Indicator (PAPI) system. The site investigation involved evaluation of the existing lighting system, a geotechnical investigation, and surveying and mapping. CEI prepared construction documents and provided full construction administration of the project. Total project cost was \$1,300,000.





# PROJECT EXPERIENCE



## Project Title

Elkins Armed Forces Reserve Center  
Site and Civil Design

## Site Location

U.S. Route 33, near Elkins  
Randolph County, WV

## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

The Elkins Armed Forces Reserve Center Project includes a Readiness Center, maintenance shop and equipment storage building. The complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 32,000 square yards of rigid and flexible paving. The new facility occupies a 135 acre tract on an undeveloped mountain near Harding in Randolph County. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. Total project cost is estimated to be \$21,000,000.

The project includes the following major design elements:

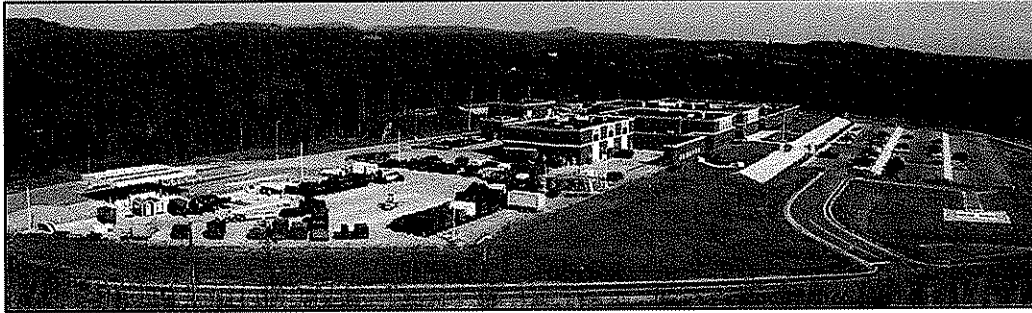
1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Utility, drainage, and construction easements



# PROJECT EXPERIENCE



**Project Title**  
Glen Jean AFRC  
Site and Civil Design

**Site Location**  
Glen Jean  
Fayette County, WV

**Owner**  
West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

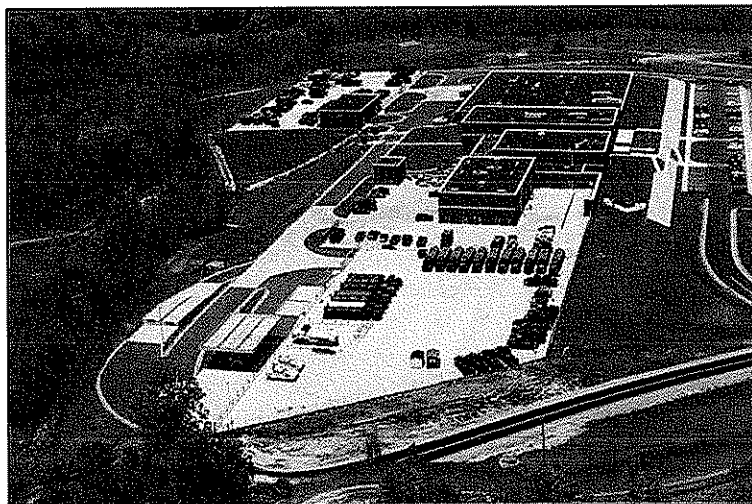
The Glen Jean Armed Forces Reserve Center Project included a Readiness Center, a Military Entrance and Processing Station (MEPS), and an Organizational Maintenance Shop (OMS). The complex consists of over 100,000 square feet of heated space, additional unheated storage and approximately 32,000 square yards of rigid and flexible paving. The new facility occupies a 35 acre tract on a former strip mine near Glen Jean in Fayette County. Capitol Engineering, Inc. (CEI) performed all of the site investigation and site/civil design aspects of the project, as well as construction administration for the sitework. Total project cost was \$19,000,000.

The project included the following major design elements:

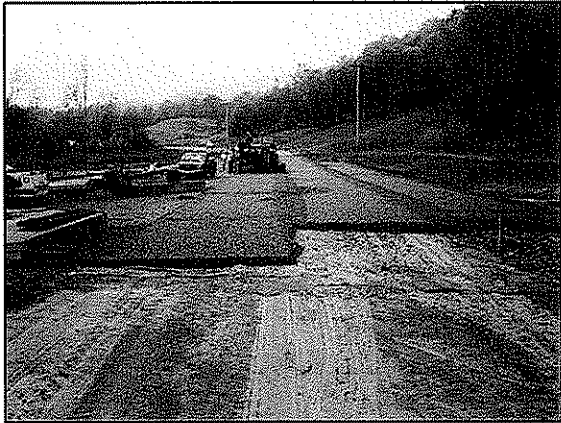
1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Mine subsidence investigation
5. Utility and construction easements



## PROJECT EXPERIENCE



### Project Title

Kingwood Readiness Center  
Site and Civil Design

### Site Location

Camp Dawson Collective Training Center  
Preston County, WV

### Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

### Project Description

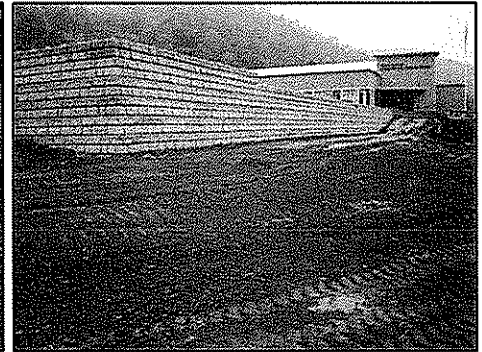
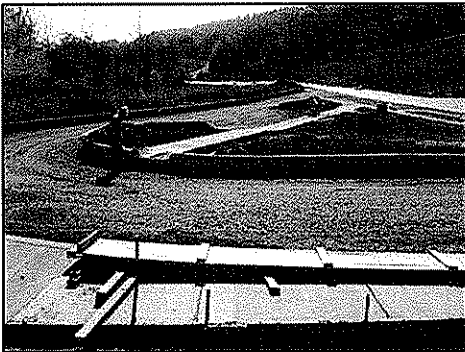
The Kingwood Readiness Center consists of a 20,000 square foot building adjacent and connected to the existing Camp Dawson Armed Forces Reserve Center in Preston County. The new facility occupies the site of the AFRC parking lot, this required design of a new access road and parking lots for both buildings. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. Total project cost is \$6,500,000.

The project includes the following major design elements:

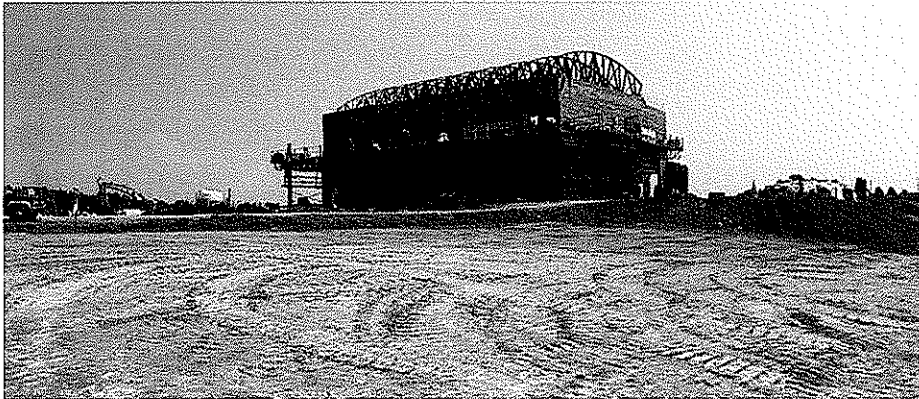
1. Utilities and general site features
2. Military equipment parking
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Utility and construction easements



# PROJECT EXPERIENCE



**Project Title**  
Lewisburg Readiness Center  
Site and Civil Design

**Site Location**  
Lewisburg, Greenbrier County, WV

**Client**  
S E M Architects  
Beckley, WV

## Project Description

The Lewisburg Readiness Center Project included a Readiness Center and a unit maintenance shop. The complex consists of over 38,000 square feet of heated space, additional unheated storage and approximately 12,000 square yards of rigid and flexible paving. The facility occupies a 22 acre tract in the Airport Industrial Park near Lewisburg, Greenbrier County. Capitol Engineering, Inc. (CEI) performed all of the site investigation and site/civil design aspects of the project.

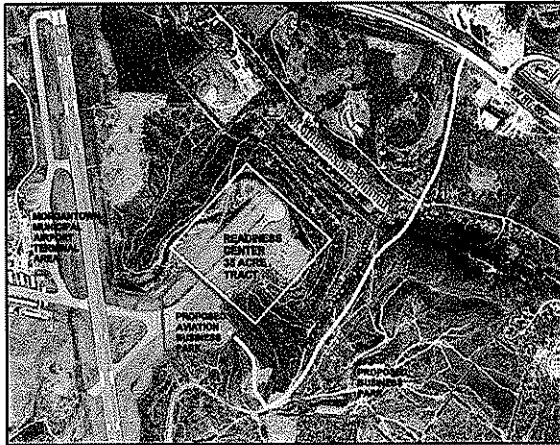
The project included the following major design elements:

1. Utilities
  - a. Water line, extension
  - b. Sanitary sewer system
  - c. Gas service extension
2. Access roads and vehicle facilities
  - a. 7,000 SY concrete paving
  - b. 5,000 SY asphalt paving
  - c. Vehicle wash facility
  - d. Fuel storage and dispensing system
  - e. Multiple access roads
3. General site features
  - a. Earthwork and erosion control
  - b. Storm drainage system and detention facility
  - c. Security fencing / force protection measures
  - d. Outdoor training area

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Karst / geological investigation
5. Utility easements

# PROJECT EXPERIENCE



## Project Title

Morgantown Readiness Center  
Site and Civil Design

## Site Location

Morgantown Municipal Airport  
Monongalia County, WV

## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

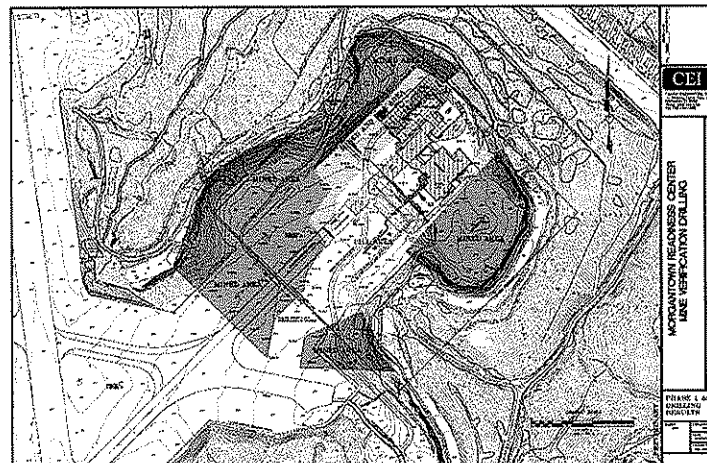
The Morgantown Readiness Center complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 32,000 square yards of rigid and flexible paving. The new facility will occupy a 35 acre tract on a former runway at the Morgantown Municipal Airport in Monongalia County. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. Total project cost is estimated to be \$20,000,000.

The project includes the following major design elements:

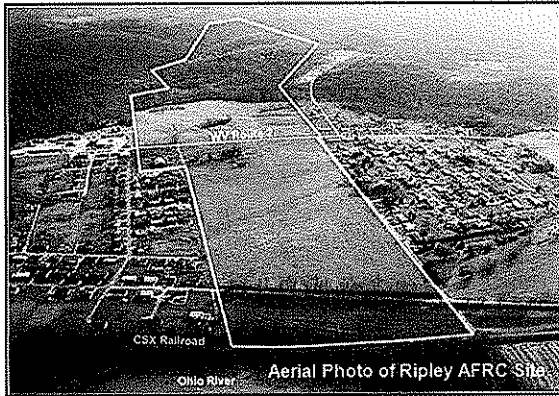
1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Mine subsidence investigation
5. Utility and construction easements



# PROJECT EXPERIENCE



## Project Title

Ripley Armed Forces Reserve Center  
Site and Civil Design

## Site Location

Millwood  
Jackson County, WV

## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

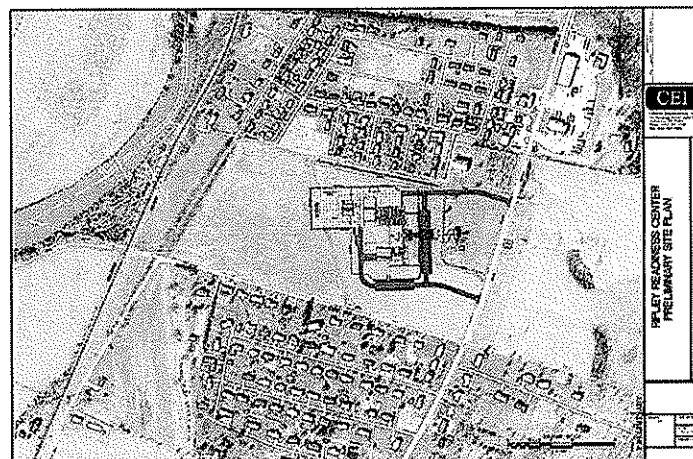
The Ripley Armed Forces Reserve Center Project includes a Readiness Center, a maintenance shop and an equipment storage building. The complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 22,000 square yards of rigid and flexible paving. The new facility occupies a 335 acre tract on the former Eastern Star property near Millwood in Jackson County. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. This project has an estimated cost of \$20,000,000.

The project includes the following major design elements:

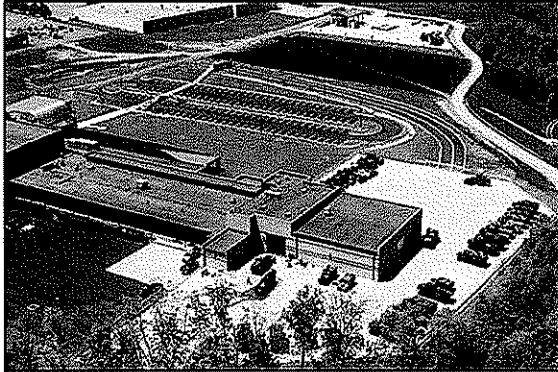
1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Drainage and construction easements



# PROJECT EXPERIENCE



## Project Title

Summersville Readiness Center  
Site and Civil Design

## Site Location

Summersville  
Nicholas County, WV

## Owner

West Virginia Army National Guard  
Construction and Facilities Management Office

## Project Description

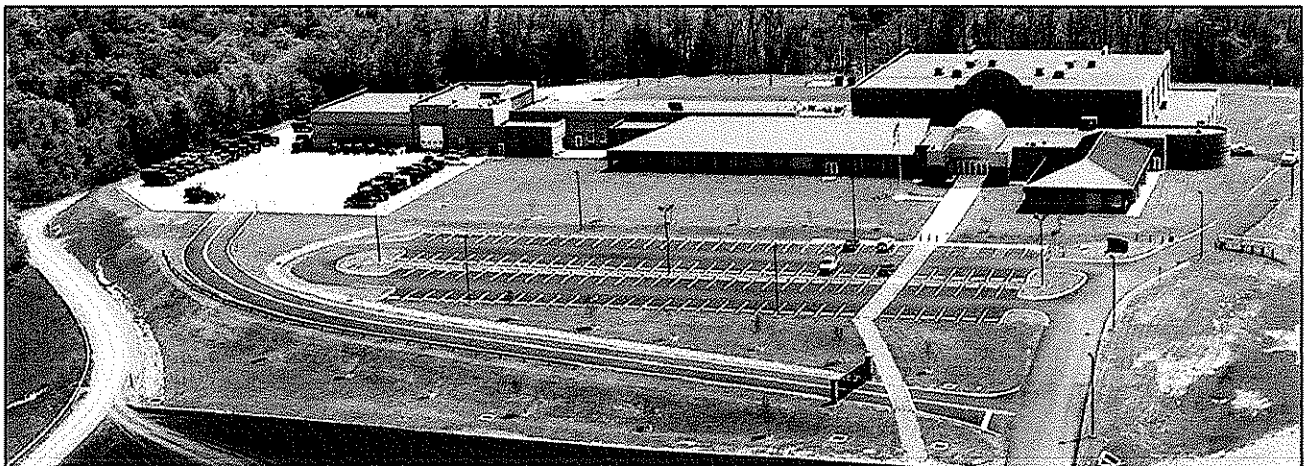
The Summersville Readiness Center Project included a Readiness Center, a Civic Arena and Conference Center, and a unit maintenance shop. The complex consists of over 70,000 square feet of heated space, additional unheated storage and approximately 21,000 square yards of rigid and flexible paving. The facility occupies a 35-acre tract behind the Northside Center in Summersville, Nicholas County. Capitol Engineering, Inc. (CEI) was selected to perform all aspects of the site investigation. Capitol Engineering, Inc. (CEI) performed all of the site investigation and site/civil design aspects of the project. Total project cost was \$15,000,000.

The project included the following major design elements:

1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Easement and right-of-way acquisition

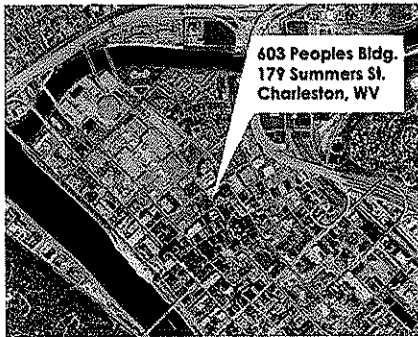
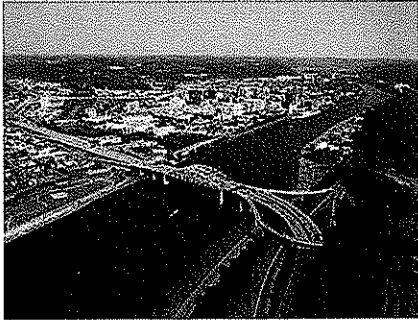


**REFERENCE LIST**  
**Capitol Engineering, Inc.**

<p>Azimuth, Inc. Craig Hartzell President 3741 Morgantown Industrial Park Morgantown, WV 26501 304-292-3700 (p) 304-292-0873 (f)</p>	<p>Shaw Environmental &amp; Infrastructure David Carpenter West Virginia Branch Manager Rock Branch Industrial Park Poca, WV 25159 304-759-0425 (p) 304-759-0491 (f)</p>
<p>Pond &amp; Company Roseanna Richards Vice President, Federal Programs 2635 Century Parkway Suite 800 Atlanta, GA 30345 404-748-4722 (p) 404-325-5458 (f)</p>	<p>Wilbur Smith Associates Manuch Amur West Virginia Branch Manager Geary Plaza, Suite 200 700 Washington Street East Charleston, WV 25301 304-345-2339 (p) 304-345-2343 (f)</p>
<p>S*E*M Architects Robert Cushman Director of Construction Services 167 South State Street Westerville, OH 43081-2265 614-794-3100 (p) 614-794-3088 (f)</p>	<p>ZMM, Inc. Steve Branner, AIA President 222 Lee Street West Charleston, WV 25302 304-342-0159 (p) 304-345-8144 (f)</p>
<p>Trumbull Corporation Mike Harvey Project Manager Teays Pointe Complex 87 Smiley Drive St. Albans, WV 25177 304-755-6945 (p) 304-755-6949 (f)</p>	<p>West Virginia Coal Association Bill Raney President PO Box 3923 Charleston, WV 25339 304-342-4153 (p) 304-342-7651 (f)</p>



# Background



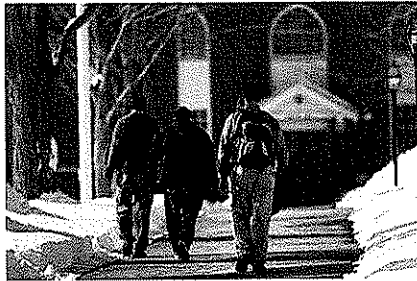
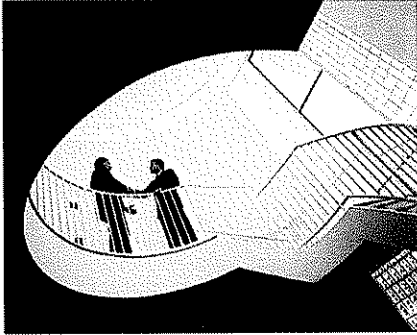
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 2005. Prior to that, Mr. Richardson was employed by ZMM, Inc., a WV architectural/engineering firm as their Senior Structural Engineer.

For more than a decade, Mr. Richardson has had sole responsibility for the structural engineering design of more than 5 million square feet of built space. The construction costs of these projects exceeded a half billion dollars. His experience, which ranges from small to very large multi-phase projects, is invaluable in providing the technical expertise and creative flexibility to deliver results in a prompt and reliable manner.

Our experience encompasses a wide variety of building types and sectors, and our expertise includes design analysis for steel, concrete, masonry, and wooden structures.



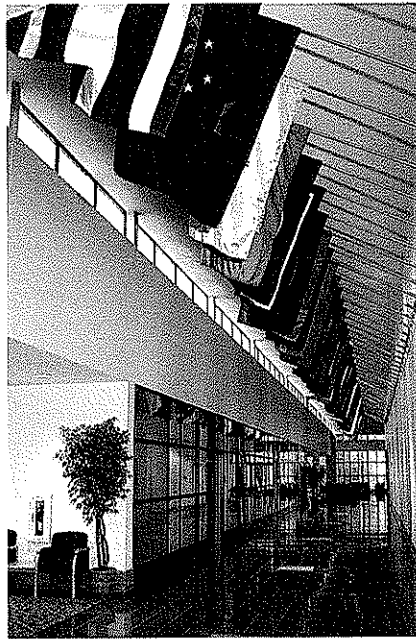
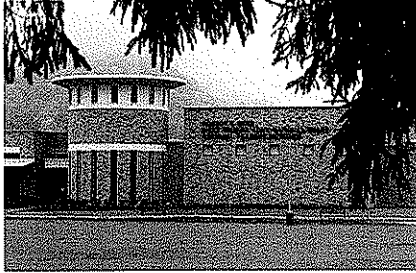
# Approach



At Moment Engineers, we recognize that the architect is the primary contact for the building owner. Our role is to strengthen that relationship by producing high quality designs in a prompt and cost effective manner. To that end, we emphasize incorporating traditional and technical means of communication and data transfer to ensure a seamless integration of structural integrity and architectural creativity.

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



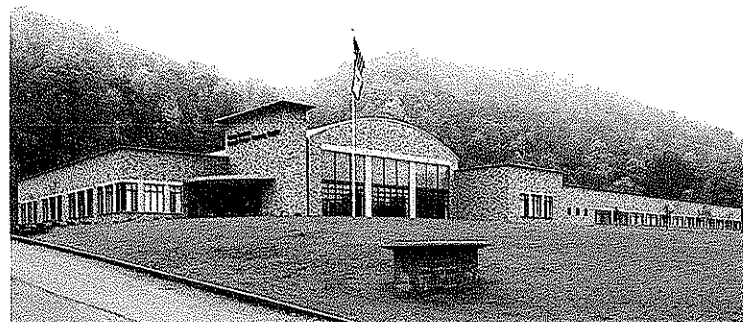


## West Virginia Army National Guard Project Experience

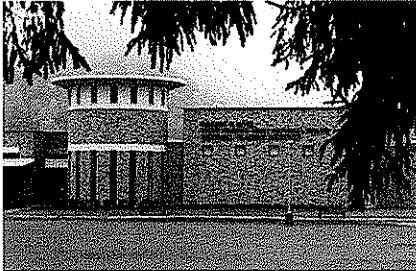
Douglas Richardson has provided the structural engineering and design for the following projects:

- Robert C. Byrd Regional Training Institute - Camp Dawson, WV
- Armed Forces Reserve Center - Camp Dawson, WV
- Armed Forces Reserve Center - Glen Jean, WV
- Construction & Facilities Management Office - Charleston, WV
- Mountaineer Challenge Academy - Camp Dawson, WV

These five facilities total over 368,000 square feet of built space, and each serves as a outstanding example of how a military structure can enhance the readiness of the units they support while also contributing to the local, state and national communities in which they are located. The structural systems utilized include steel frames, reinforced concrete and masonry, load bearing cold-formed steel studs, and long span steel joists.

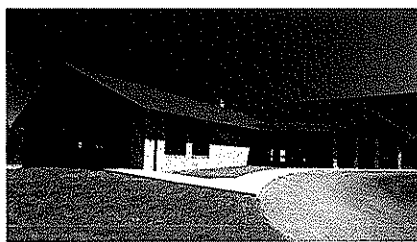
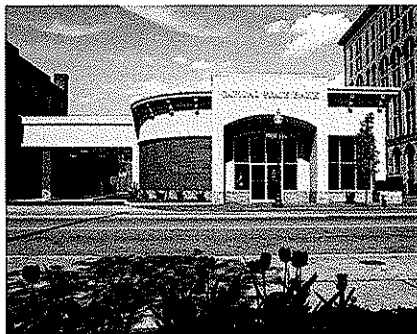
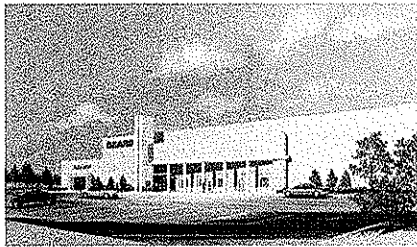
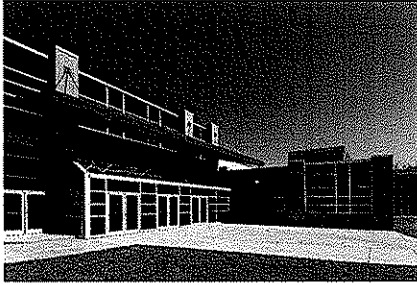


## Sample Project



## Robert C. Byrd Regional Training Institute

The Robert C. Byrd Regional Training Institute at Camp Dawson is a 143,000 square foot facility constructed for the West Virginia Army National Guard that provides an ideal setting for training classes, meetings and conferences serving both the military and civilian population. The facility includes office space, classrooms, library, a three story hotel style wing, auditorium and swimming pool. The structural systems utilized include steel frames, reinforced concrete and masonry, load bearing cold-formed steel studs, and long span steel joists.



## Additional Project List

In addition to these WVARNG projects, Mr. Richardson's experience includes a wide variety of new building design and existing building analysis. The list below is a small sample of the projects for which Douglas Richardson has had responsible charge of the structural engineering, design and contract document production. A more extensive list is available upon request.

<u>Project</u>	<u>Sq. Ft.</u>
Barboursville Elementary School	63,947
Greenbrier East H.S. Renovations & Additions	205,057
Lincoln Co. High School	216,500
Wayne Co. Spring Valley High School	175,000
St. Albans High School	172,600
Dunbar Primary Center School	14,100
Judge Donald F. Black Courthouse Annex	37,000
WV Hospital Association Office Building	29,710
Cabell West Elementary School	55,788
Capital State Bank	4,088
Kappa Alpha Fraternity House, WVU	14,000
Sears, Chesterfield Mall, Richmond VA	146,980
Sears, Louden VA	132,600
Alderson Federal Prison Dormitory	60,625
Western Juvenile Detention Center	29,015
Cacapon State Park Addition	9,842
Lewisburg United Methodist Church	12,800
Kroger Store Renovation, Kanawha City	15,427
Goodwill Industries Renovation and Addition	15,460



## **construction management & cost estimating services**

With G&G Builders Inc., you get more than a full-service general contractor. We continuously communicate and work with the Owner and Architect to find the best solutions for overcoming obstacles, saving time and reducing costs.

We offer professional construction management services and cost estimating services that are tailored to the size and complexity of any given project, and backed by a corporate commitment to total quality management.

### **Construction Management Services:**

Our construction management services typically begin during design and include:

- schedule & budget evaluations
- value engineering
- constructability reviews
- accuracy checks on cost estimates
- weighing project alternatives
- monitoring and coordinating daily construction activities

G&G Builders Inc. has completed over \$120 million dollars worth of work as a construction manager on the following projects:

1. St. Albans High School
2. Chapmanville Middle School
3. Chapmanville High School
4. Logan Middle School
5. Riverside High School

### Cost Estimating Services:

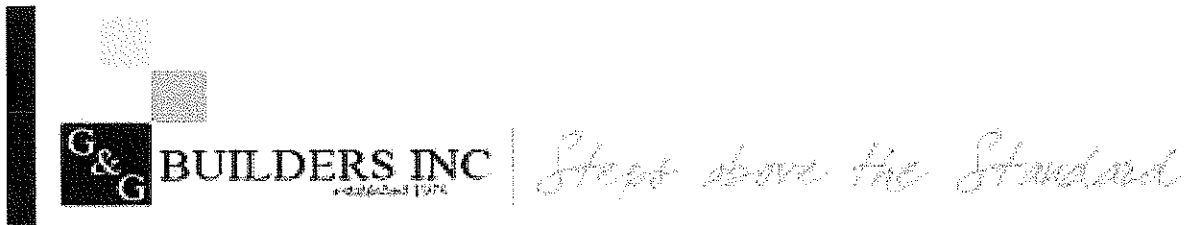
Our construction experience and project cost history data are valuable tools in the preconstruction process.

Early involvement in the project enables G&G Builders Inc. to give you a working budget from the beginning of conceptual design. This budget provides a baseline estimate to help guide decisions as the design process continues. As design proceeds, the budget will be updated with the latest information.

### **The four (4) phases of a typical estimate are:**

- Conceptual Design Estimate  
providing frameworks for evaluating different alternatives
- Schematic Estimate  
establishes the baseline estimate
- Design Development Estimates  
as the design concept is finalized, the estimate is updated
- Final Construction Documents:  
provide a final estimate by incorporating bids from subcontractors

At G&G Builders Inc., we utilize a computer estimation program that is updated periodically to reflect new wage rates, material costs, etc. With over 30 years of experience, our database of knowledge and well-established subcontractor base support all of our estimates.





## BURGESS & NIPLE

G & G Builders  
500 Corporate Drive  
Suite 550  
Scott Depot, WV 25560

Re: Williamstown Readiness Center

Attention: Mr. Mark Stutler

April 19, 2006,

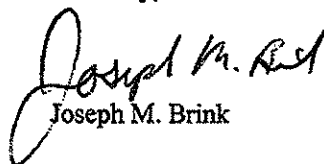
Dear Mr. Stutler:

**Burgess & Niple, Inc.**  
312 Plum Street  
12<sup>th</sup> Floor  
Cincinnati, OH 45202-2678  
513 579.0042  
Fax 513 579.0321

It has been a pleasure to work with you and G&G Builders on the construction of the Williamstown Readiness Center for the West Virginia Army National Guard. I highly recommend G&G to all clients in your region. The quality of the work on this 50,000 SF, \$9,700,000 facility is excellent. G&G delivered a quality building, and work effectively with the subcontractors to ensure the same level of quality was met through all trades.

G&G Builders worked with WVANG and Burgess & Niple, Inc. in a fairly and professionally manner and with integrity. I hope we have an opportunity to work together in the future.

Sincerely,

  
Joseph M. Brink



"G&G delivered a quality building, and work effectively with the subcontractors to ensure the same level of quality was met through all trades."





# Teays Valley Christian School

"Equipping students for God's purposes."



Jack Davis, MA  
Principal

*A ministry of The Scott Depot Christ Fellowship*

Dr. Rodney Taylor, Ed. D.  
President

October 26, 2006

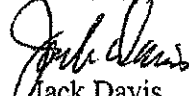
To Whom It May Concern,

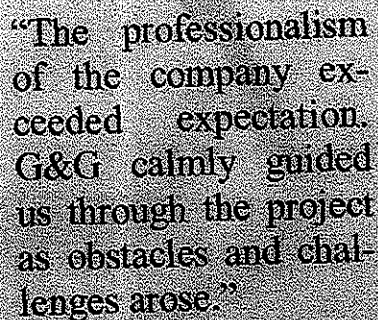
I write on behalf of G&G Builders. Two years ago our organization chose G&G after an extensive bid process to be the construction manager for our elementary wing expansion. G&G did superior work in every phase of the project. The service and quality of work was excellent and the costs were reasonable and controlled. The professionalism of the company exceeded expectation.

G&G calmly guided us through the project as obstacles and challenges arose. Upon completion of the facility, the total cost was significantly under budget. I give G&G my highest recommendation without reservation. If you would like to speak to me further, please feel free to contact me at 304-757-9550 or email me at [jdavis1@teaysvalleychristian.org](mailto:jdavis1@teaysvalleychristian.org). You are also welcome to come and tour the facility to see the quality of the work and the scope of the project.

Thank you for considering these remarks.

Sincerely,

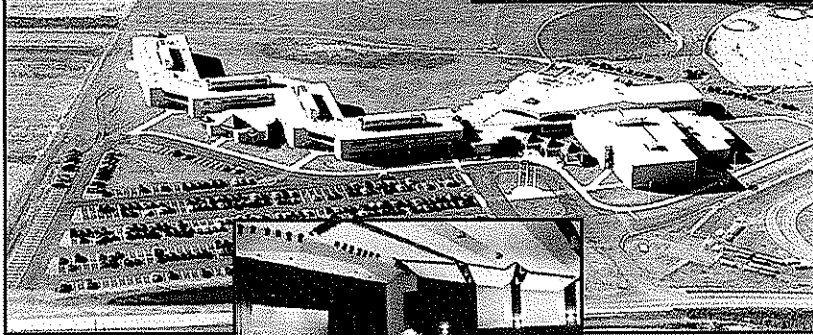
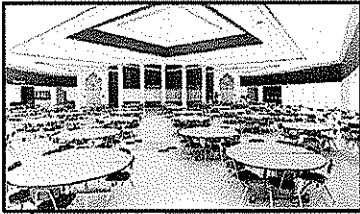
  
Jack Davis  
Principal



"The professionalism of the company exceeded expectation. G&G calmly guided us through the project as obstacles and challenges arose."

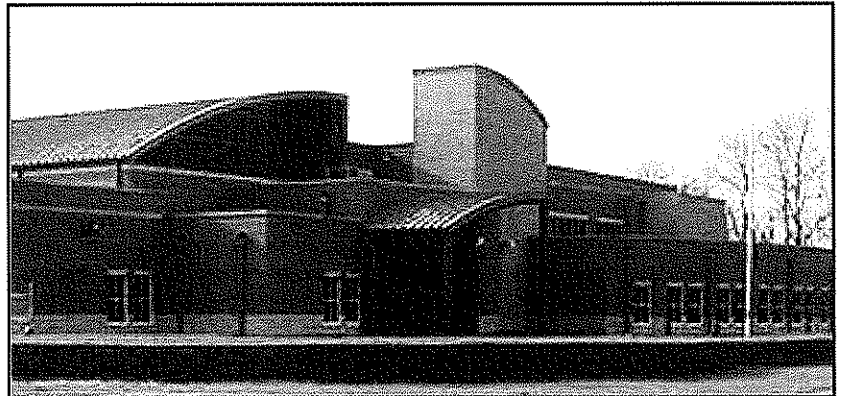
# PROJECT portfolio

project photos and descriptions

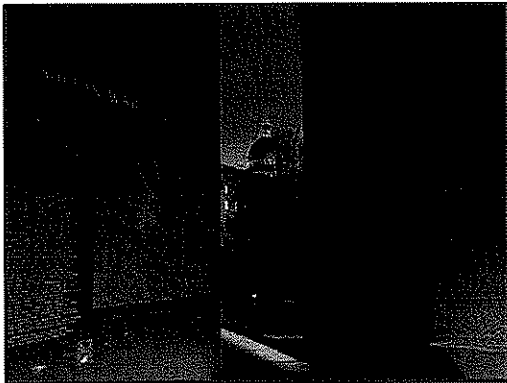


**Riverside High School**  
Quincy, West Virginia

**Williamstown Readiness  
Center**  
Williamstown, West Virginia



**PROJECT**  
**portfolio** | project photos and descriptions

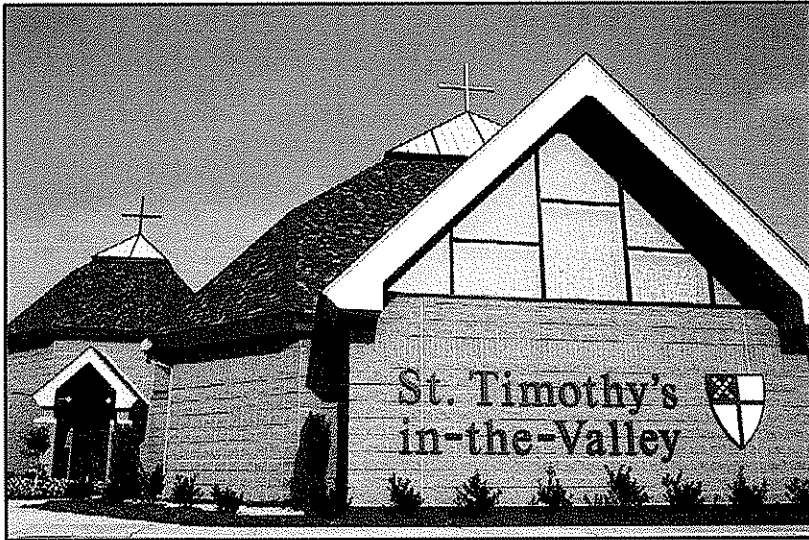


**Veteran's War Memorial**  
Charleston, West Virginia

**CAM Henderson Center**  
Huntington, West Virginia

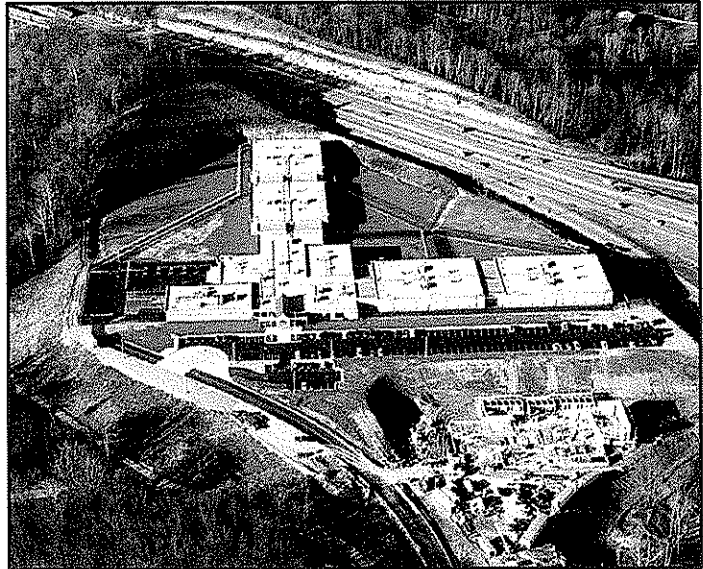


**PROJECT**  
**portfolio** | project photos and descriptions

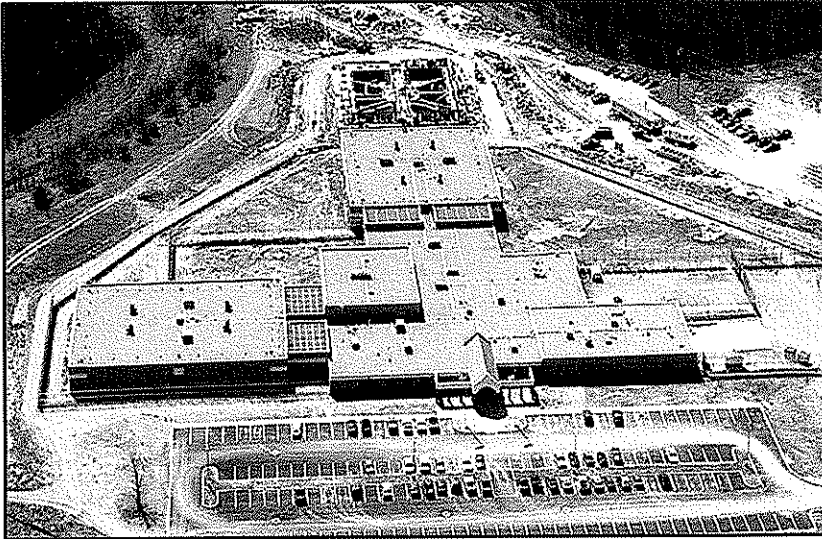


**St. Timothy's in the Valley**  
Hurricane, West Virginia

**Western Regional Jail &  
Robert L. Shell Juvenile  
Center**  
Barboursville, West Virginia



**PROJECT**  
**portfolio** | project photos and descriptions

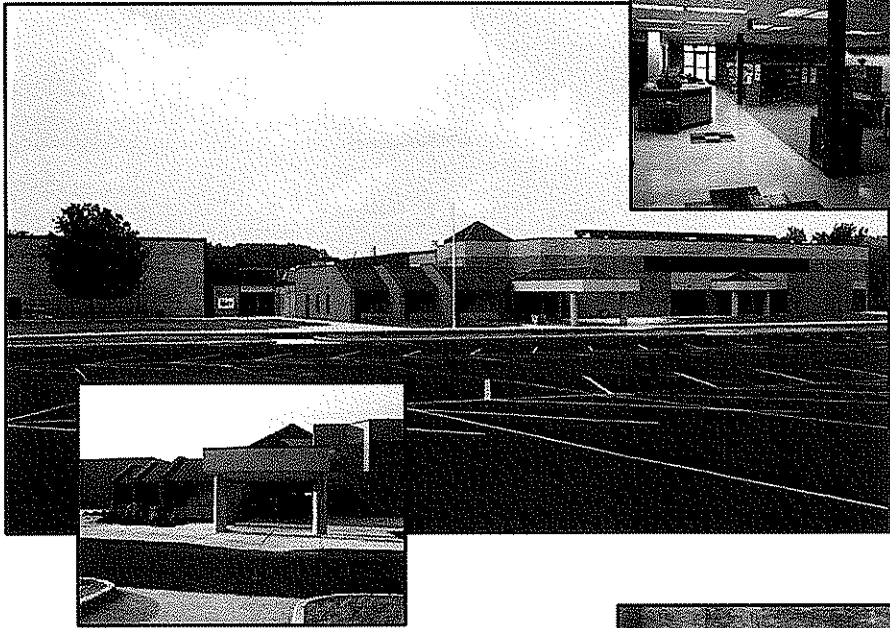


**South Western Regional  
Jail**  
Holden, West Virginia

**St. Francis, Surgi-Center &  
Medical Office**  
Charleston, West Virginia

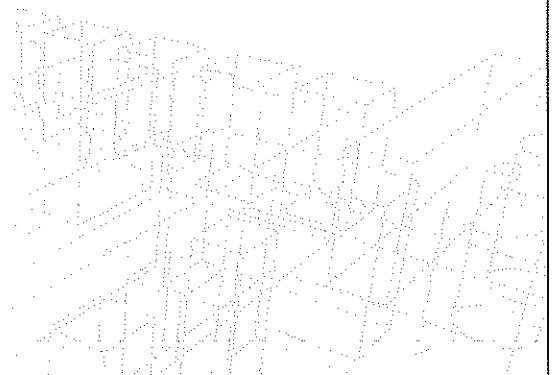
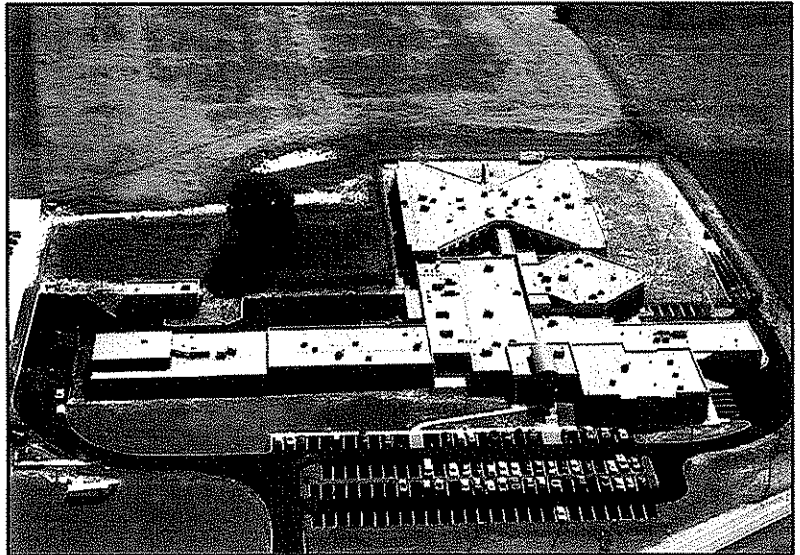


**PROJECT**  
portfolio | project photos and descriptions

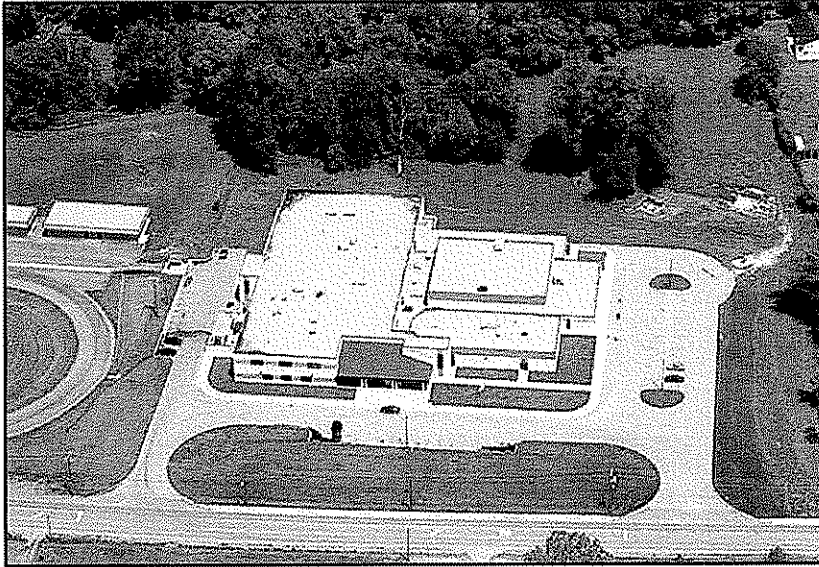


**Hurricane High School**  
Hurricane, West Virginia

**Lakin Correctional Facility**  
Lakin, West Virginia

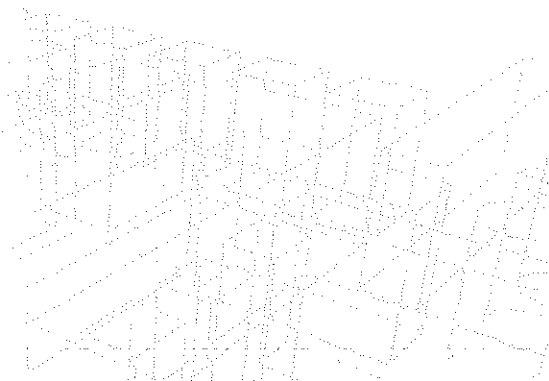
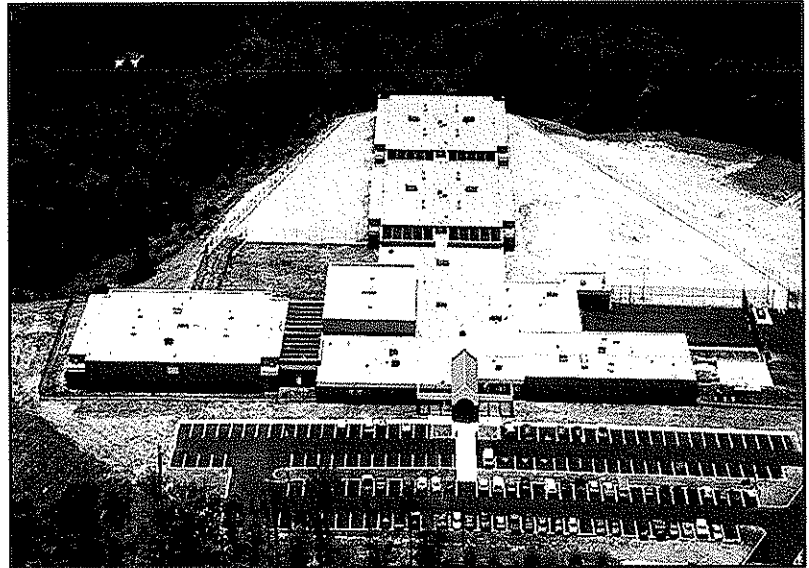


**PROJECT**  
**portfolio** | project photos and descriptions



**Chapmanville Middle School**  
Chapmanville, West Virginia

**South Central Regional Jail**  
Charleston, West Virginia



# PROJECT portfolio | major construction in progress – 2009

## Job #0961 – Raleigh County Judicial Bldg., Beckley, WV

Owner: Raleigh Co. Commission, 116-½ Herber St., Beckley, WV 25801

Architect: Silling Associates, 405 Capitol St., Upper Atrium, Charleston, WV 25301,  
304-346-0565

Contract Amount Pending: \$8,721,231

Projected Completion: June 2010

## Job #0963 – Kureha, PGA, LLC, Belle, WV

Owner: Kureha, PGA, LLC, 901 West Dupont Ave., Belle, WV 25015

Architect: CH2M Hill Engineers, Inc., 303 Perimeter Center North, Atlanta, GA 30346

Contract Amount: \$449,745

Projected Completion: July 2009

## Job #0962 – Alcon – Concrete – BP-3A, Green Bottom, WV

Owner: Alcon Research, LTD

Architect: Ewing Cole, Federal Reserve Bank Bldg., 100 North 6<sup>th</sup> St., Philadelphia, PA 19106

Contract Amount: \$1,625,145

Projected Completion: July 2009

## Job #0747 – Eastern West Virginia Community & Technical College, 316 Eastern Dr., Moorefield, WV

Owner: Governing Board on Behalf of Eastern WV Community & Technical College,  
1929 State Rt. 55, Moorefield, WV

Architect: Bastian & Harris Architects, 300 Summers St., Ste. 1200, Charleston, WV,  
304-342-2151

Contract Amount: \$5,572,522

Projected Completion: October 2008

99.5% Complete

## Job #0855 – Arnold Residence, Cobblestone, Scott Depot, WV

Owner: Marc & Monica Arnold, 120 Candlewyck Dr., Hurricane, WV 25526, 304-549-4765

Budget Amount: \$845,000

Projected Completion: February 2009

95% Complete





# **PROJECT** **portfolio** | major construction completed - 2009

Job #0860 – New Cath Lab#4, SMMC, Huntington, WV

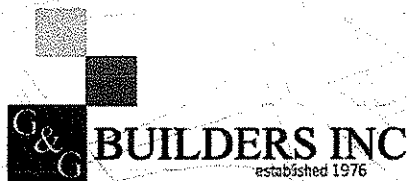
Owner: St. Mary's Medical Center, 2900 First Ave., Huntington, WV

Architect: Kreps & Zachwieja, 300 Capitol St., Ste. 1710, Charleston, WV 25301, 304-346-5361

Contract Amount: \$470,767

Projected Completion: February 2009

100% Complete



# PROJECT portfolio

major construction completed - 2008

## **Design Build Job #0748 – Massey Coal Services, Inc.-New Office Complex, Corridor G, Julian, WV**

Owner: Massey Coal Services, Inc., 315 70<sup>th</sup> St., SE, Charleston, WV, 304-369-8500

Architect: Williamson Shriver Architects, 717 Bigley Ave., Charleston, WV, 304-345-1060

Contract Amount: \$13,653,594

Projected Completion: September 2008

100% Complete

## **Job #0742 – AEP-John Amos Power Plant**

Owner: The Perry Group

Architect: Sargent & Lundy, LLC, 55 East Monroe St., Chicago, IL

Contract Amount: \$827,631

Projected Completion: September 2008

100% Complete

## **Job #0749 – Mountain View Elementary School, 3967 Teays Valley Rd., Hurricane, WV**

Owner: Putnam County Schools, 9 Courthouse Dr., Winfield, WV, 304-586-0500

Architect: Williamson Shriver Architects, 717 Bigley Ave., Charleston, WV, 304-345-1060

Contract Amount: \$10,000,000 – Total Construction Mngmt. (G&G-General Trades \$4.0MM)

Completed: August 15, 2008

## **Job #0853 – Walker Machinery New Wash Bay, Crab Orchard, WV**

Owner: Cecil I. Walker Machinery, P.O. Box 2427, Charleston, WV 25329, 304-949-6400

Architect: ZMM, Inc., 222 Lee St., W., Charleston, WV 25302, 304-342-0158

Contract Amount: \$500,000

Completed: June 20, 2008

## **Job #07-44 – Overbrook Elementary School, 218 Oakwood Rd., Charleston, WV**

Owner: Kanawha County Board of Education, 200 Elizabeth St., Charleston, WV 25311

Architect: Bastian & Harris, 300 Summers St., Suite 1200, Charleston, WV 25301, 304-342-2151,

Contract Amount: \$1,320,000

Completed: January 2008

# PROJECT portfolio

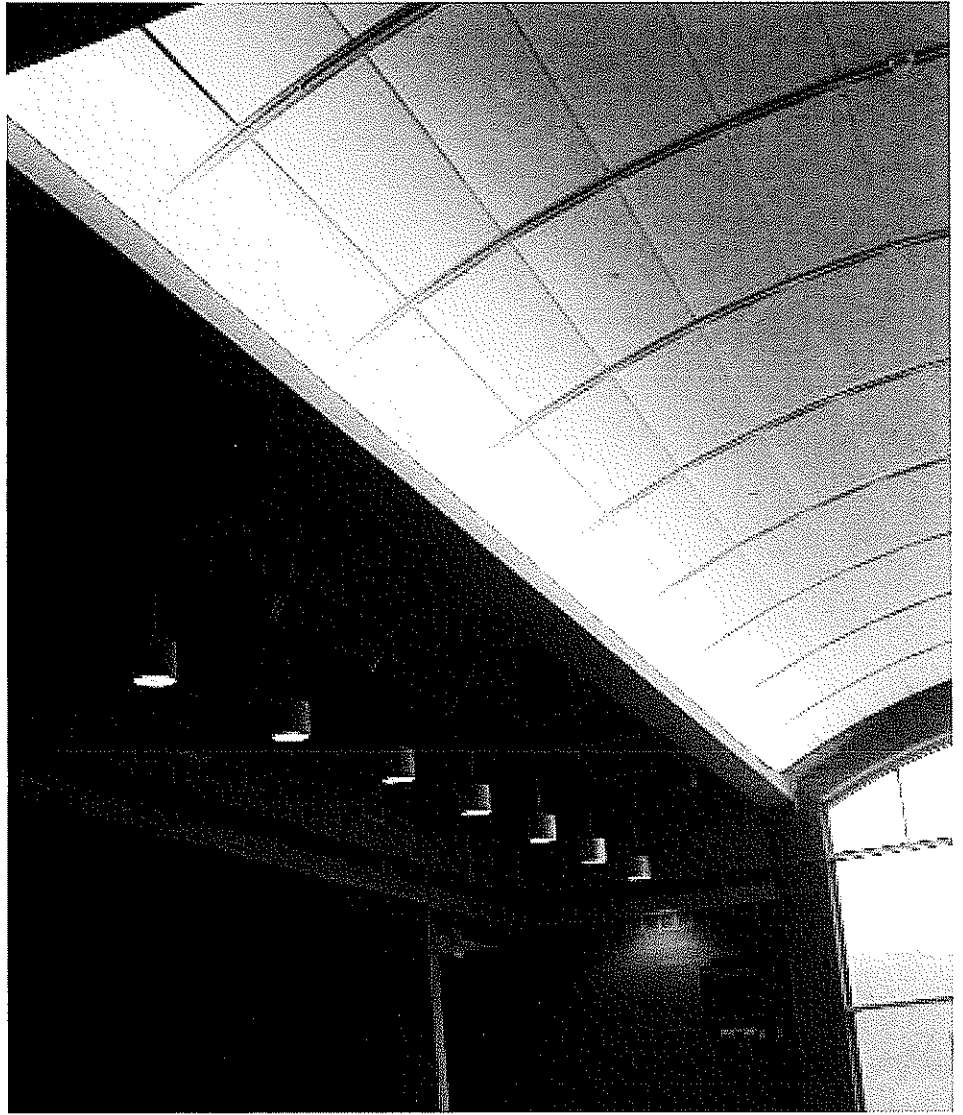
| major construction completed - 2008

**Job #0857 - Weiser Office Building** – 100 Corporate Centre Drive, Scott Depot, WV  
**Owner:** Weiser Teays Valley, LLC, P.O. Box 2487, Reston, VA 20195; 703-444-5620  
**Architect:** DMR Architecture, 1600 E. Woodlawn Rd., Studio 360, Charlotte, NC 28209  
**Contract Amount:** \$1,835,435  
**Project Completion:** December 2008  
**100% Complete**

**Job #06-40 – Cabell Huntington Hospital–North Patient Tower**, 1340 Hal Greer Blvd., Huntington, WV  
**Owner:** Cabell Huntington Hospital  
**Architect:** Perkins + Will, 1382 Peachtree St., NE, Atlanta, GA 30309  
**Contract Amount:** \$1,624,630  
**Completed:** January 2008

# WEST VIRGINIA ARMY NATIONAL GUARD

Architectural and Engineering Services  
for the Buckhannon Readiness Center  
in Upshur County, West Virginia



February 26, 2009  
1:30 PM

"REQUISITION No. DEFK9015"

**McKINLEY & ASSOCIATES**  
ARCHITECTS • ENGINEERS • INTERIOR DESIGN



Capitol Engineering, Inc.

**MOMENT**  
*engineers, inc.*

**G&G BUILDERS INC**  
established 1976

