



West Virginia Army National Guard

Req#: DEFK9018

***RFP: Architectural and Engineering Services
for an Addition and Renovation to the
St. Albans Armory in Kanawha County, WV***

McKinley & Associates
Architects • Engineers • Interior Design

CEI
Capitol Engineering, Inc.

MOMENT
engineers, inc.



March 27, 2009

John Abbott
Purchasing Division
Building 15
2019 Washington Street, East
Charleston, WV 25305-0130

Re: Requisition #DEFK9018 – St. Albans Armory, Addition/Renovation

Dear Mr. Abbott and Members of the Selection Committee;

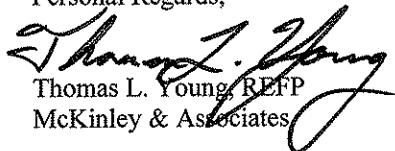
McKinley & Associates has formed a collaborative, integrated team to work with the West Virginia Army National Guard to provide architectural and engineering design services for the addition and renovation to your St. Albans Armory.

McKinley & Associates is proposing to dedicate the professional design staff from our Charleston office as the Project Architect (Thomas R. Worledge, AIA, LEED AP, REFP), Staff Intern Architect (Nicole D. Riley, Assoc. AIA), Interior Designer (Deb Blakeman, NCIDQ #015070), and Project Coordination / Construction Administration (Dana E. Womack, Jr. and myself). Our “in-house” engineering staff will provide you with mechanical, electrical, and plumbing/life safety engineering design services, especially to improve the working environment of your building. In addition, Moment Engineers will provide you with structural engineering, while Capitol Engineering will handle all of your civil and site issues; both are also located in Charleston.

The McKinley/Capitol/Moment collaboration brings many benefits to the West Virginia Army National Guard, which are outlined in the enclosed documents. Our firms have considerable experience in facilities designed for State and Federal agencies, including National Guard facilities in West Virginia.

We love what we do, so we care about the results you get. We know we can provide you with a successful project and are very excited about the possibility of building a long-lasting relationship with the West Virginia Army National Guard. Thank you for reviewing our submission and considering McKinley/Capitol/Moment for your project.

Personal Regards,


Thomas L. Young, REFP
McKinley & Associates

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WV PURCHASING
DIVISION

Executive Summary

Enclosed is our Team's complete Expression of Interest for your contract to provide Architectural and Engineering services to improve the working environment of the existing armory and for the addition of a 12,000-15,000 SF permanent-use masonry steel-framed addition to the West Virginia Army National Guard's St. Albans Armory in Kanawha County, West Virginia - Requisition #DEFK9018. Here is an overview of what our Team brings to the National Guard:

Team Members:

McKinley & Associates	Architects, MEP Engineering, Interior Design, Project Coordination
Capitol Engineering	Civil/Site Engineers
Moment Engineers	Structural Engineers

RFP Highlights:

- Team has experience working with 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."
- Proposed team has collaborated on previous projects.
- An all-West Virginia team.

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.

We are familiar with many design aspects of this 2-phase project including the ability to meet the codes for HVAC systems, new water systems with building sprinklers, upgrades to electrical systems, improving building egress, and other life safety issues. We are also capable of designing the addition which will include offices, classrooms and supporting facilities. Plus, we have worked on various projects that utilized phasing, such as the 1.2 million square-foot Cabela's Eastern Distribution Center, WVU's Maclin Hall dormitory, and the 7-story Wagner Building to name a few.

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.



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
DEFK9018

PAGE
1

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

RFQ COPY
TYPE NAME/ADDRESS HERE

McKinley & Associates
 Charleston Area Alliance Building
 1116 Smith Street / Suite 406
 Charleston, West Virginia 25301

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
03/12/2009				

BID OPENING DATE: **03/31/2009** 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, ST. ALBANS, WV LOCATION, 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.: DEFK9018						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Thomas S. Young</i>	TELEPHONE (304) 340-4267	DATE 3/27/09
TITLE Business Development	FAX 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
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 Charleston, WV 25305-0130

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LINE	QUANTITY	UQP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE:				03/31/2009	-----	
BID OPENING TIME:				1:30 PM	-----	
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
				(304) 340-4269	-----	
CONTACT PERSON (PLEASE PRINT CLEARLY):						
				Thomas L. Young	-----	
***** THIS IS THE END OF RFQ DEFK9018 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Thomas L. Young</i>	TELEPHONE (304) 340-4267	DATE 3/27/09
TITLE Business Development	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

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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 & Associates

Authorized Signature:  Date: 3/27/09

Design Team



DEFK9018 - St. Albans Armory

Project Manager / Point of Contact
Thomas R. Worlledge, AIA, LEED AP, 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 
Civil Engineer
- Douglas R. Richardson, PE 
Structural Engineer

Green (LEED) Attributes — Thomas R. Worlledge, AIA, LEED AP, REFP ■■■

Interior Designer — Deb Blakeman, NCIDQ #015070 ■■■

Project Coordinators

- Thomas L. Young, REFP ■■■
- Dana E. Womack, Jr. ■■■

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:

ARMY AVIATION SUPPORT FACILITY #1

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

CAMP DAWSON ARMED FORCES RESERVE CENTER

Douglas R. Richardson - Structural Engineer

CAMP DAWSON RUNWAY EXTENSIONS

Robert M. Fuller - Runway Extensions

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 MILITARY ENTRANCE PROCESSING STATION

Nicole D. Riley - Project Captain*

GLEN JEAN ORGANIZATIONAL MAINTENANCE FACILITY

Nicole D. Riley - Project Captain*

LEWISBURG READINESS CENTER

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

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

ROBERT C. BYRD REGIONAL TRAINING INSTITUTE

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

SUMMERSVILLE READINESS CENTER

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

WILLIAMSTOWN READINESS CENTER

Dana E. Womack, Jr. - Cement Finisher*

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

Thomas R. Worlledge, AIA, LEED AP, REFP

Architect / Green (LEED) Specialist
Charleston Office Area Manager



Education:

- Virginia Polytechnic Inst. & 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
- NCARB Certificate #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

Nicole D. Riley, Assoc. AIA

Associate Architect

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.

Patrick J. Rymer, Assoc. AIA

Associate Architect

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

Tim E. Mizer, PE, RA

Director of Operations
Architectural Engineer / Architect

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
Director of Operations
and 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.
Electrical & Mechanical Design
and Drafting
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 - Mountaineer Challenge Academy
- **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 bldg. Work also included HVAC and cooling tower
- **Project Architect / Engineer**
Brooke County Animal Shelter building renovation

Bradley A. Crow, PE

Director of Engineering Services

Mechanical Engineer

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, WV (2000-2001)

Ravenswood Polymers
Site Engineer
Ravenswood, WV (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 - Mountaineer Challenge Academy
- 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)

Darren S. Duskey, PE

Electrical Engineer

Education:

- The Ohio State University
B.S. Electrical Engineer - 1993
- Marshall University
Graduate courses in Engineering

Professional Affiliations and Registrations:

- Registered Engineer in:
West Virginia
Ohio

Professional Employment:

- McKinley & Associates
Wheeling, WV
(2002 - 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 - Mountaineer Challenge Academy
- 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

Deb Blakeman, NCIDQ #015070

Interior Designer

Education and Specialized Training:

- 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)
- HD MR 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

Thomas L. Young, REFP

Project Coordinator

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)

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.

Military Service:

- 130th APS, WVANG (1990-2006)
Technical Sergeant (Ret)
- US Marine Corps (1984-1990)
Combat Engineer and Recruiter

Dana E. Womack, Jr.

Project Coordinator

Education:

- Marshall University - 2005
A.A.S. Occupational Development

Professional Employment:

- McKinley & Associates
Project Coordinator
Charleston, WV (2009 to present)
- RBS Construction Inc.
Project Manager
Nitro, WV (2007-2009)
- Providence Construction
Superintendent
Teays Valley, WV (2007)
- G&G Builders
Superintendent-in-Training (2005-2006)
Cement Finisher (2002-2005)
Scott Depot, WV
- United Parcel Service
Preloader
South Charleston, WV (1999-2002)
- United States Air Force
Security Forces (Sr. Airman)
Tinker Air Force Base, OK (1996-1999)

Summary of Experience:

- Mr. Womack brings various knowledge to the Project Coordinator role; skills which included a cross-trained background of project management / coordination, on-site supervisor, administering contracts from start up to project close out, as well as field work as a cement finisher (work included the Williamstown Readiness Center in 2004), preloader, and law enforcement officer. With credentials spanning across all aspects of construction, Dana has a unique ability to work with owner and contractor alike and get the project completed on time and within budget.

Notable Professional Experiences:

- Project Coordination for:**
 - West Virginia State Police Academy Renovations*
 - Brookview Elementary - Boone county Schools*
- Project Manager**

Manage projects from Preconstruction meeting to project close out. Develop construction schedules, manage on-site personnel, coordinate with subcontractors and work with suppliers to ensure materials are delivered to the jobsite on time. Work closely with the architects and engineers to complete the projects on time, within budget and to the owner's satisfaction.

 - Montrose Elementary Elevator Addition*
 - 900 Christopher Street Structural Renovations*
 - Putnam PSD New Maintenance Garage*
 - Southern and Southwestern Regional Jails*
 - Mine Health Safety Academy Bathroom Renovations*
- Superintendent**

Role during projects was on-site supervisor for all aspects of job completion. Managed job site personnel, maintained a safe work place environment, and led the team toward job completion with proper time management.
- Security Forces (Sr. Airman) - Tinker Air Force Base, OK**

Assistant Non Commission Officer In Charge of the Security Police Armory. Security Police Officer, duties included guarding priority A, B, and C aircraft and patrolling base as law enforcement officer.

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



Corporate Information

Firm History

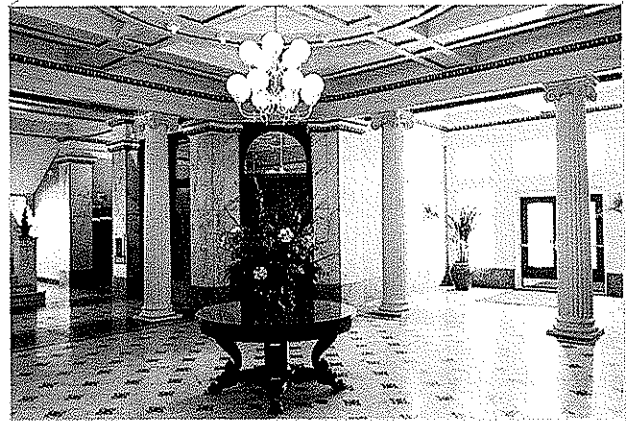
Founded in 1981, McKinley & Associates is a multi-discipline full service Architectural & Engineering firm, offering comprehensive professional services in architecture, engineering, interior design and construction administration. We have a broad range of skill and experience for projects involving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

Number of Professionals

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

Date of Incorporation

1981 Wheeling, West Virginia



Locations



Headquarters
 The Maxwell Centre
 32 Twentieth Street - Suite 100
 Wheeling, WV 26003
 P: 304-233-0140
 F: 304-233-4613

Satellite Office

Charleston Area Alliance Bldg
 1116 Smith Street - Suite 406
 Charleston, WV 25301
 P: 304-340-4267
 F: 304-340-4269

Satellite Office

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

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

Credentials

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

Qualifications

Founded 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

Your project needs to meet all of the current codes and standards required by the State of West Virginia, and we are here to meet these needs. Your new water system with building sprinklers will fulfill these requirements and be approved by the West Virginia State Fire Marshal. We also understand that Phase 2 is a multi-use addition of offices, classrooms and supporting facilities. Our firm is currently in the process of planning, designing, and/or in construction in excess of \$175 million dollars of educational work. In addition to education/classrooms, we have designed over 250,000 SF of office space in the past 10 years.

We understand there will be two phases in your project, and we have significant experience with phased projects. One major dual-phased project we recently completed was the \$20 million - 600,000 SF Phase II portion of Cabela's Distribution Center, with the expanded project now totalling \$40 million and 1,200,000 SF.



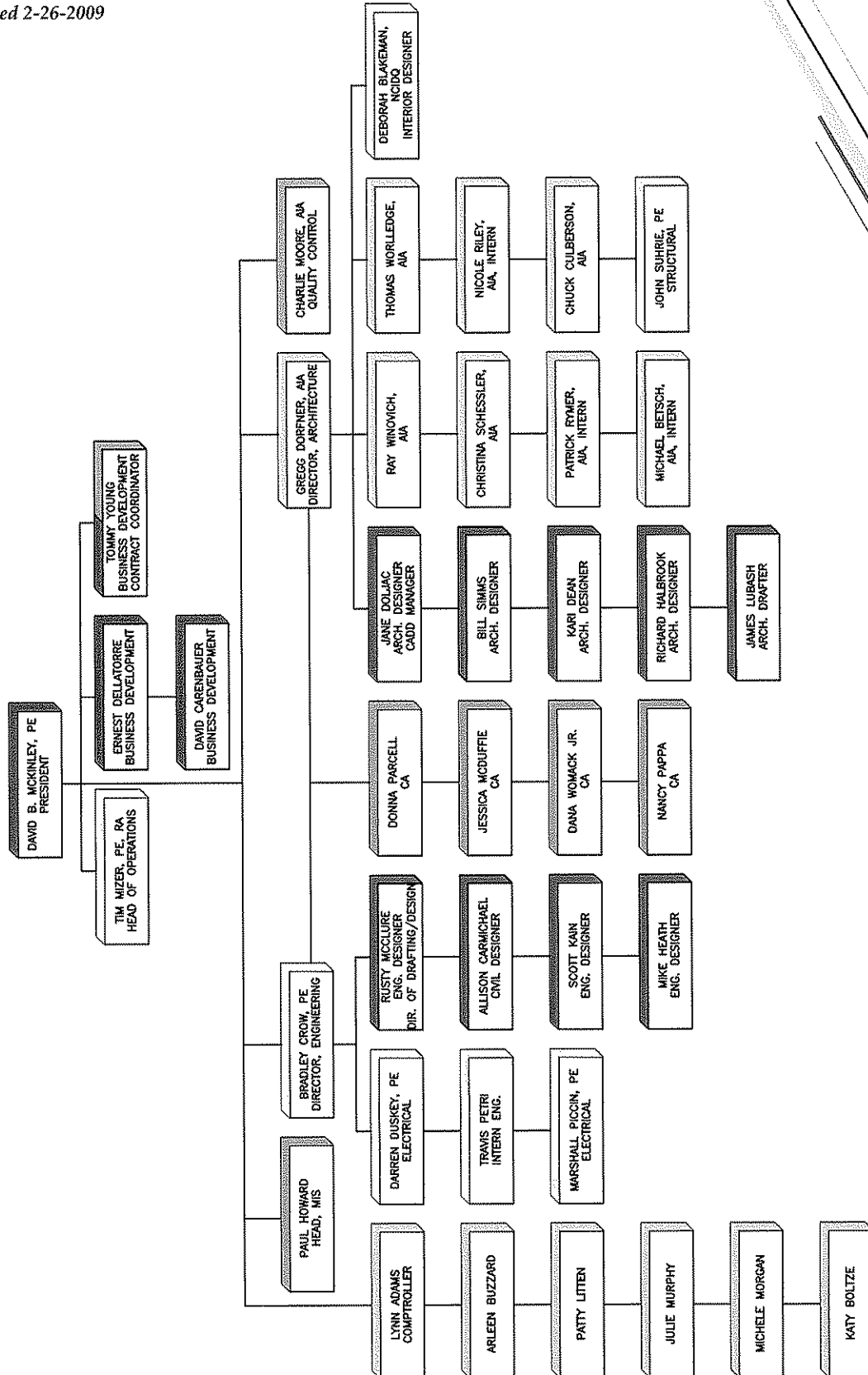
State Fire Training Academy

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.



Organization Chart

Revised 2-26-2009



Client Testimonials

○ **Bill Niday** Superintendent

○ **Wood County Schools**

"The way they have serviced our County has been unmatched, they have been here so many times for face to face meetings with our staff as well as the Contractors. I would highly recommend this firm to anyone."

○ **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."

○ **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."

References

○ **Mr. Robert Moyer**

○ West Virginia University
Physical Plant
979 Rawley Lane
P.O. Box 6572
Morgantown, WV 26506
304/293-2873

○ **Lt. Col. Steve Tucker**

○ West Virginia State Police
4124 Kanawha Turnpike
South Charleston, WV 25309
304/746-2253

○ **Mr. Don Mackey**

○ United States Postal Service
Facilities Service Office
Post Office Box 27497
Greensboro, NC 27495-1103
336/665-2894

○ **Mr. Robert Herron**

○ Wheeling Island Fire Station
City of Wheeling
1508 Chapline Street
Wheeling, WV 26003
304/234-3617

○ **Mr. Rick Boccetti**

○ Cabela's
1 Cabela's Drive
Sidney, Nebraska 69160
860/290-6251

Quality Control

Quality control at McKinley & Associates, Inc. is a constant process which begins with the initial project activity and continues through document submissions, construction and owner occupancy. The longevity and size of the firm and our history of success completing complex and innovative projects is founded upon our commitment to this process.

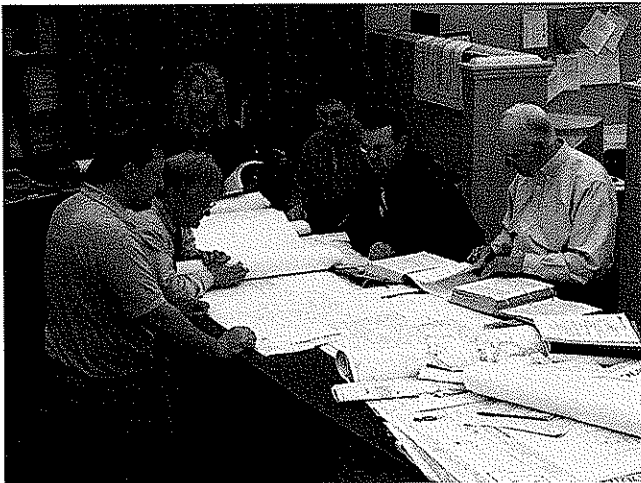
During the design phases all personnel become fully versed in the client's program, project requirements and design standards. The design team is responsible for identifying for the client any potential conflicts between program criteria and design standards and resolving those conflicts to the client's satisfaction.

As the schematic/concept plans are developed, the Project Manager typically presents the plans for review and comments to a plan group depending on the nature of the work; e.g. engineers commenting on the engineering and architects critiquing the architecture. Once a consensus is reached, the plans advance in the process.

Prior to the completion of each phase, a set of project documents is issued to each discipline and consultant for coordination, cross-checking and review. The following items are checked at that time:

- Drawings and specifications for program compliance.
- Drawings and specifications for internal coordination.
- Cost effectiveness of the design.
- Drawing accuracy.
- Compliance with appropriate codes and client standards.

After coordination check corrections are completed, the project architect reviews the documents and compares the completed documents with check prints to verify that corrections have been made in accordance with the project design criteria. A final review is made by the principal-in-charge.



During the subsequent phases of design, all items are checked by persons other than those performing the daily design work in order to provide fresh insight. Prior to the final release of the documents, revisions are checked by the project manager and appropriately referenced on the drawings. Copies of the final documents are distributed to the client and consultants for final review and approval. Comments are incorporated into the documents prior to issuance for bidding and construction.

Bid documents are issued after a final check to verify that all bid packages have current revisions included and are appropriately identified. Bid sets are numbered and registered to bidders so that each bidder may be kept informed of clarifications and addenda.

During the construction, the processing of shop drawings and submittals is controlled and monitored by the project manager. The standard turnaround for the receipt, logging, review and return of submittals is 10 working days. Complicated or specialized submittals may require additional time. Urgent items can often be expedited to satisfy the construction schedule.

Interior Design

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

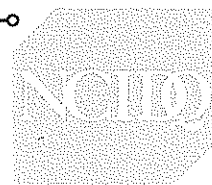
The interviews will include analyzing space requirements, operating procedures, communication relationships and future needs. Inventory of existing conditions are used to develop accurate drawings and plans.

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.



National Council for
Interior Design Qualification

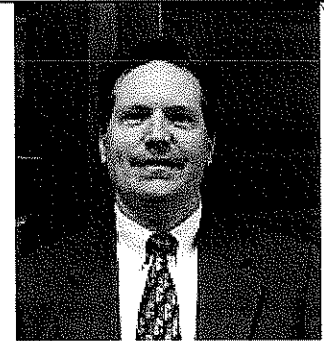
Sustainable "Green" Design

- Buildings 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.

Thomas R. Worledge, 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.



- 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.

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.

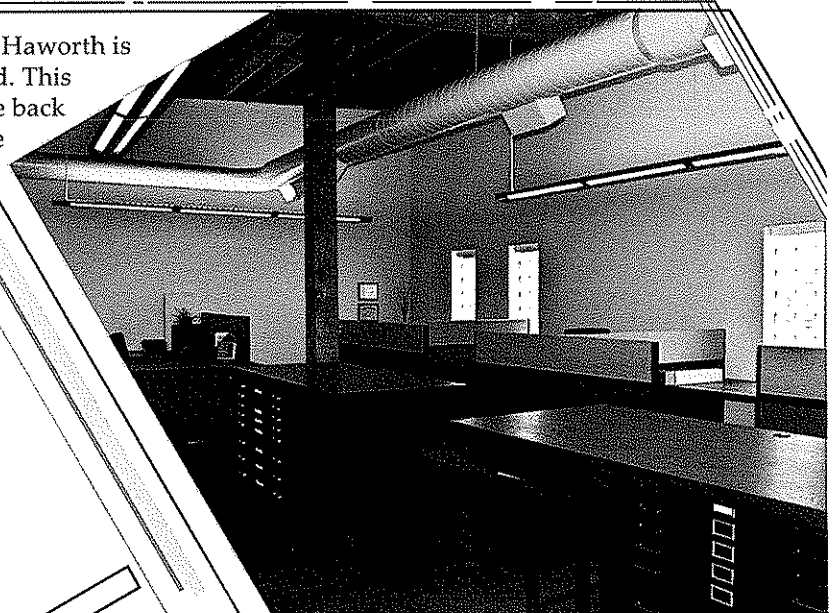
In addition to reusing the space, we also reused doors to make all of the desks, workstations and conference table. The top of the dividers is made from "Homosote", a board made from 100% recycled newspapers and covered with a fabric made from 100% recycled polyester. An office full of unique, durable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



Conference Room Table



View showing workstations made from used doors

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

McKinley & 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. 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.

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:

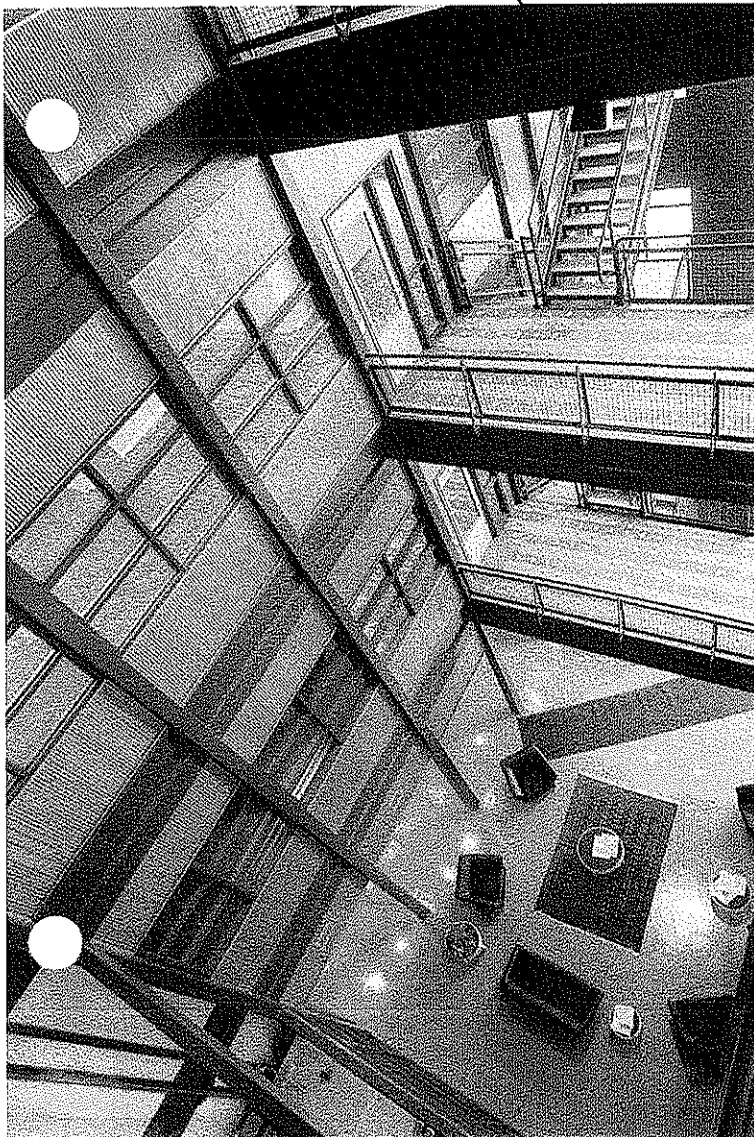
**United States Postal Service
State of West Virginia**

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 the state.

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

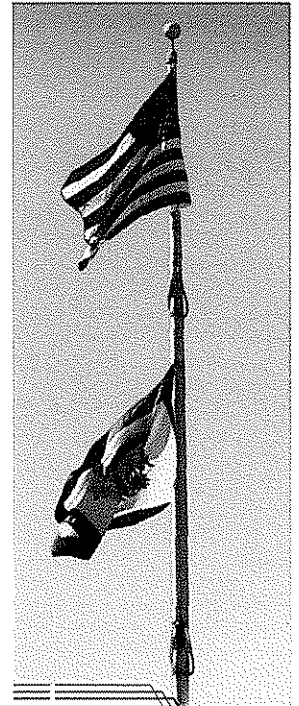
**Department of Defense,
United States Air Force
Ogden, Utah**

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.



Government-Funded Experience

Project list continued:



Wheeling Jesuit University
NASA "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.

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.

Wheeling Jesuit University
National Technology Transfer Center
Wheeling, West Virginia

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

Veterans Administrations
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.

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 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:



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.

- \$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 Housing Authorities for Wheeling, Benwood, McMechen, Fairmont and Morgantown.

WV Army National Guard Mountaineer Challenge Academy

Kingwood, West Virginia

Owner

WV Army National Guard

Size

54,800 SF approx.

Construction Cost

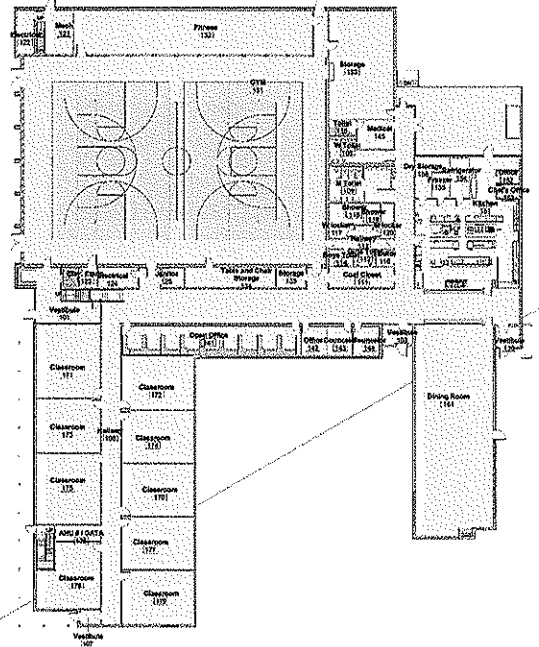
\$12.7 million

Project Architect

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.



West Virginia State Police

Statewide Open-End Contract

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.



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



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

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. Included in the structure are the following departments: DMV, BCI, 911, & regular squad space.



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

United States Postal Service

Statewide Open-End Contract

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 University Institute of Technology: Maclin Hall

◦ Montgomery, West Virginia

◦ Owner

◦ WV Institute of Technology
West Virginia University

◦ Size

◦ 53,900 SF approx.

◦ Construction Cost

◦ \$6 million

◦ Project Architects-Engineers

◦ McKinley & Associates

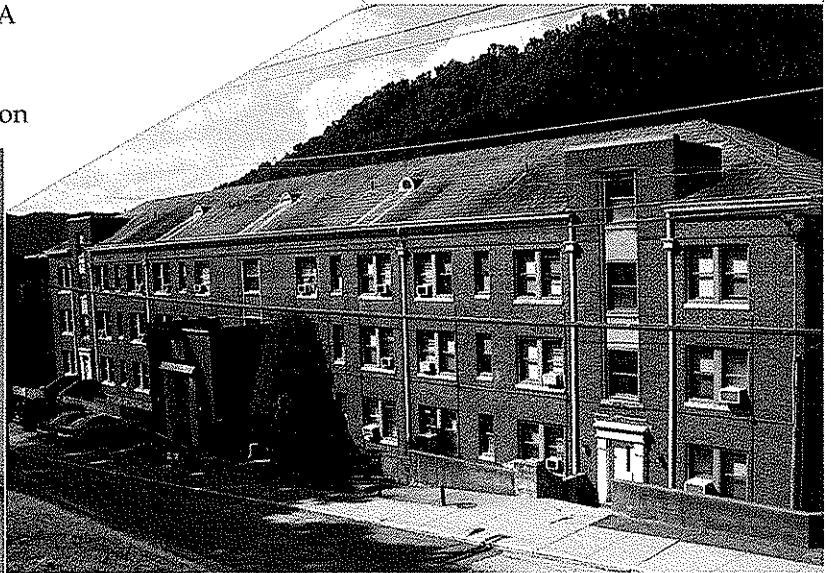
◦ Project Architect

◦ Thomas R. Worledge, AIA

◦ Contractors

◦ Wiseman Construction

A comprehensive renovation to the historic Maclin Hall dormitory on the campus of WV Tech in Montgomery, WV. The project was designed in less than a month, and included redesigning the shared areas, new finishes, new roof, and restoration of the exterior. We also replaced the entire HVAC, lighting, fire protection, data systems and renovated the shared restrooms.



This project was fast-tracked throughout the summer of 2007, so the building could be occupied by students for the start of the 2007-2008 school year.

West Virginia University State Fire Training Academy

○ 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 million

○ **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.

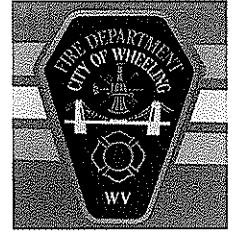
The second component, the Arena, is an all-weather interior training facility. The scale of this structure, having a clear interior height greater than 30', allows the full extension of authentic fire training apparatus for various types of hands-on programs. A custom metal building skeleton with a board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



Wheeling Island Fire Station

Wheeling, West Virginia

The Wheeling Island Fire Station proved to be a very exciting and interesting project for McKinley & Associates. The station was built for the Wheeling Fire Department's Engine Company No. 5, who not only work here, but also live in this building during their shifts. Included are a garage, living quarters, kitchen and gym.



Owner

City of Wheeling

Size

8,000 SF approx.

Construction Cost

\$1.3 mil.

Project Architects-Engineers

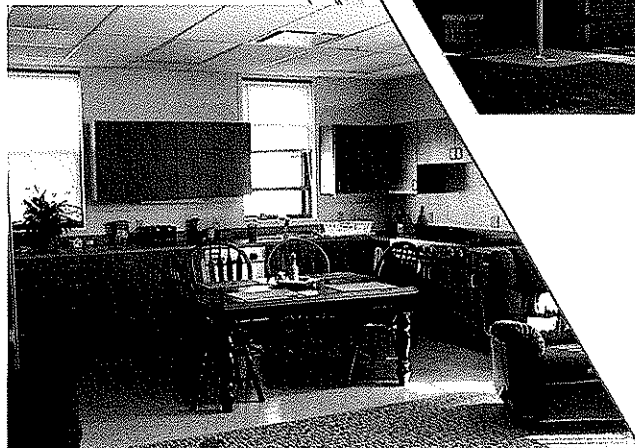
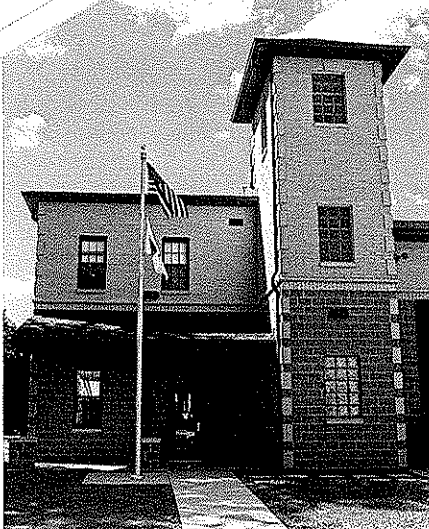
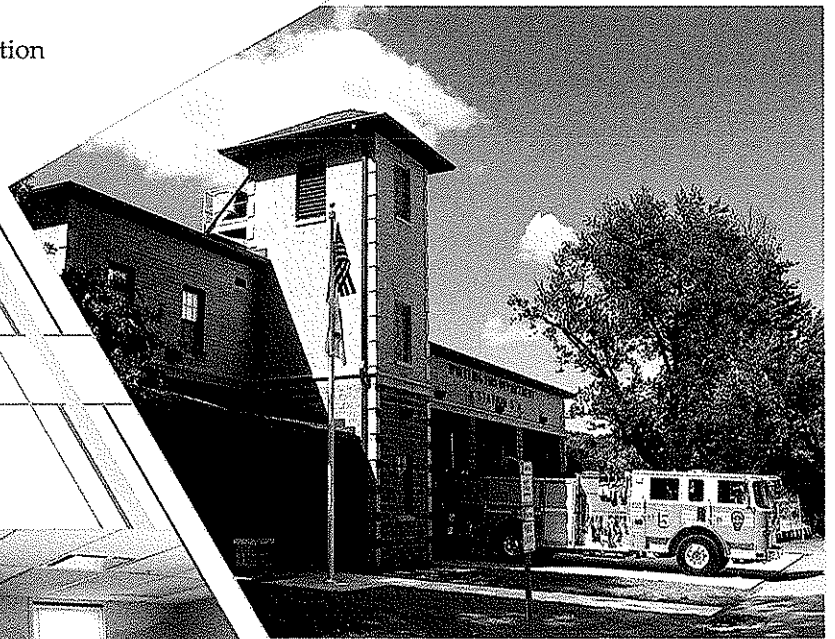
McKinley & Associates

Project Architect

Christina Schessler, AIA

Contractors

Walters Construction



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

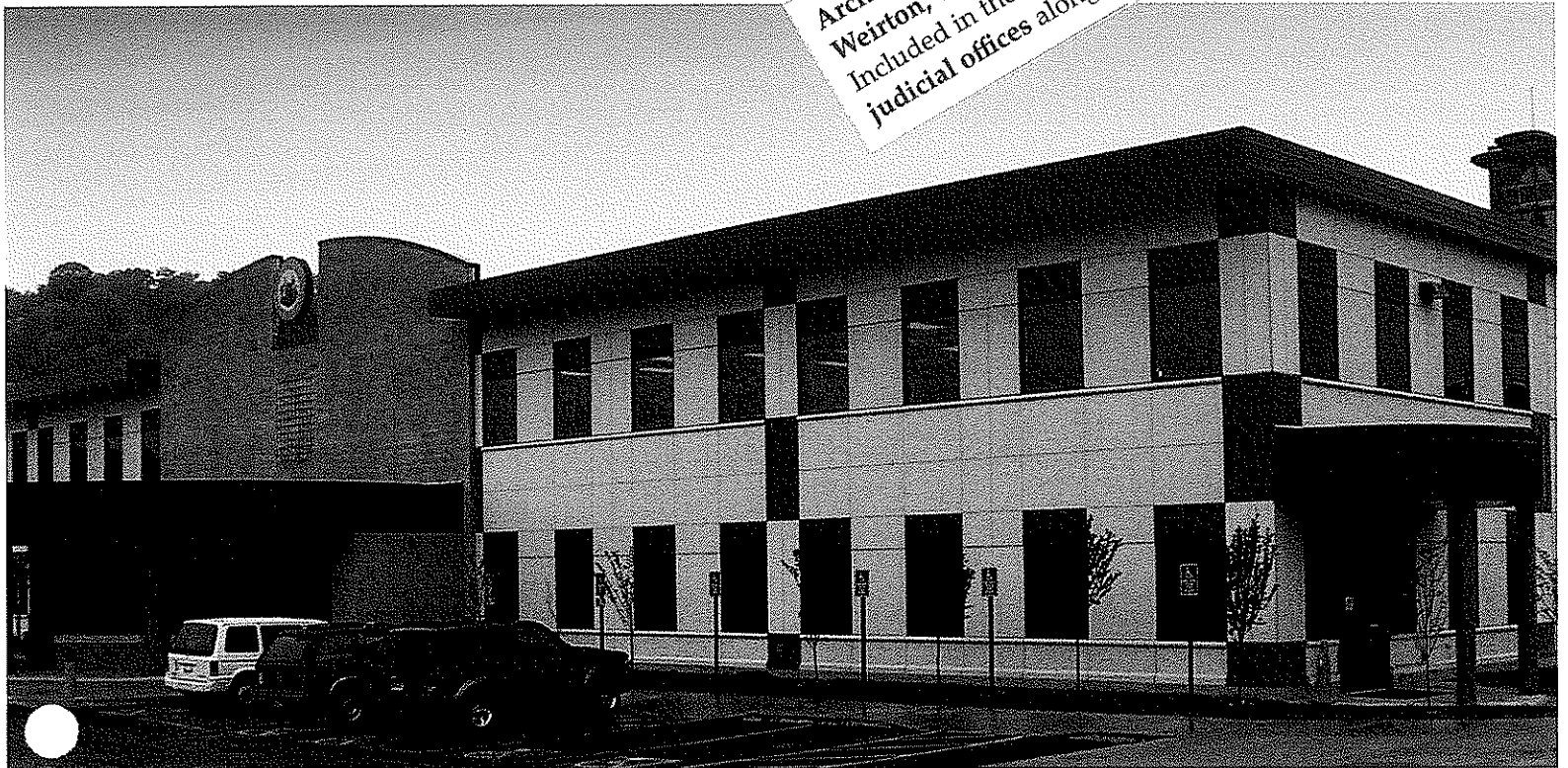
◦ **Project Architect**

◦ Gregg Dorfner, AIA

◦ **Contractors**

◦ 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.



Wood County Schools Parkersburg High School

◦ Parkersburg, West Virginia

◦ Owner

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

◦ Size

◦ 254,000 SF approx.

◦ Construction Cost

◦ \$19 million

◦ Project Architects-Engineers

◦ McKinley & Associates

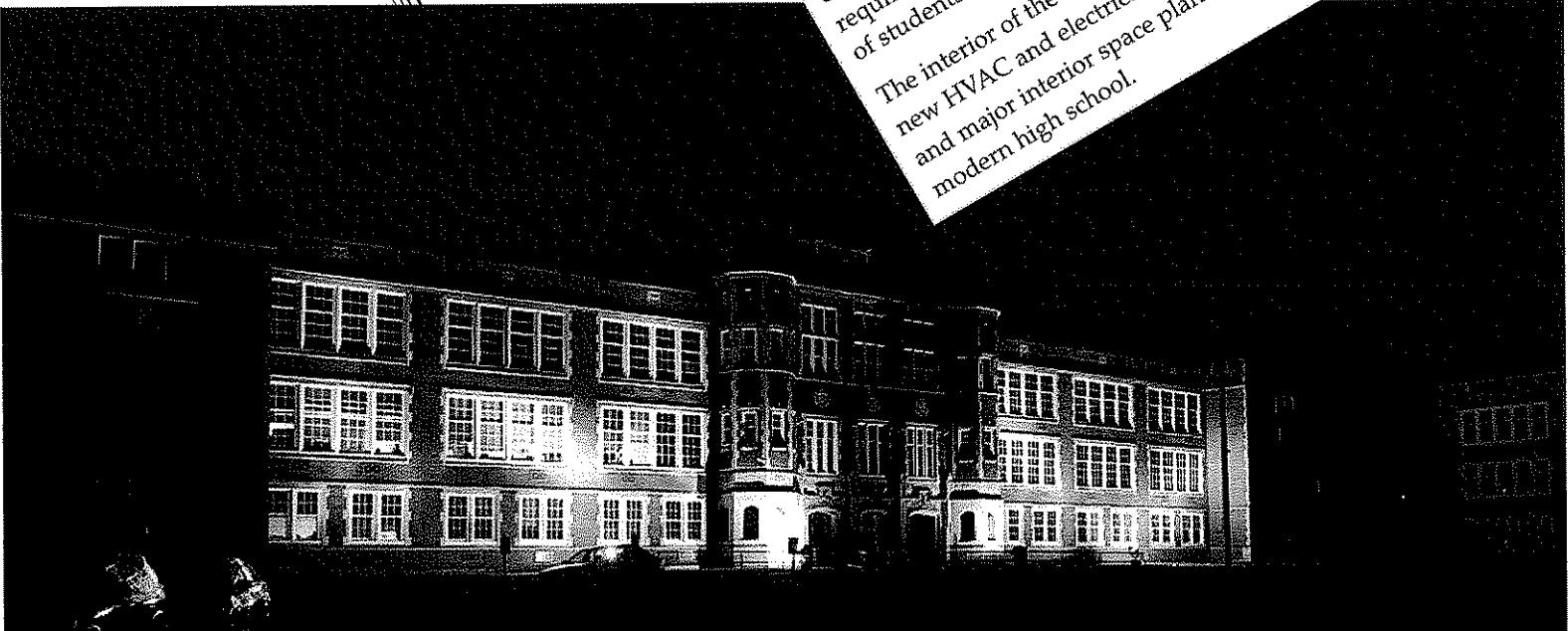
◦ Project Architect

◦ Thomas R. Worledge, AIA

◦ Contractors

◦ Grae-Con

Parkersburg High School is one of three high schools in Wood County awaiting additions and renovations completed by McKinley & Associates. It is a full architectural and engineering project requiring great attention to detail, aesthetics, safety and well being of students. The school will accommodate over 1800 students. The interior of the building needed major upgrades including new HVAC and electrical systems, fire protection upgrades and major interior space planning to meet the needs of a modern high school.



Logan County Schools

Chapmanville Regional High School

Chapmanville, West Virginia

Owner

Logan County Schools

Size

138,500 SF approx.

Construction Cost

\$21 million

Architects-Engineers

McKinley & Associates

Project Architect

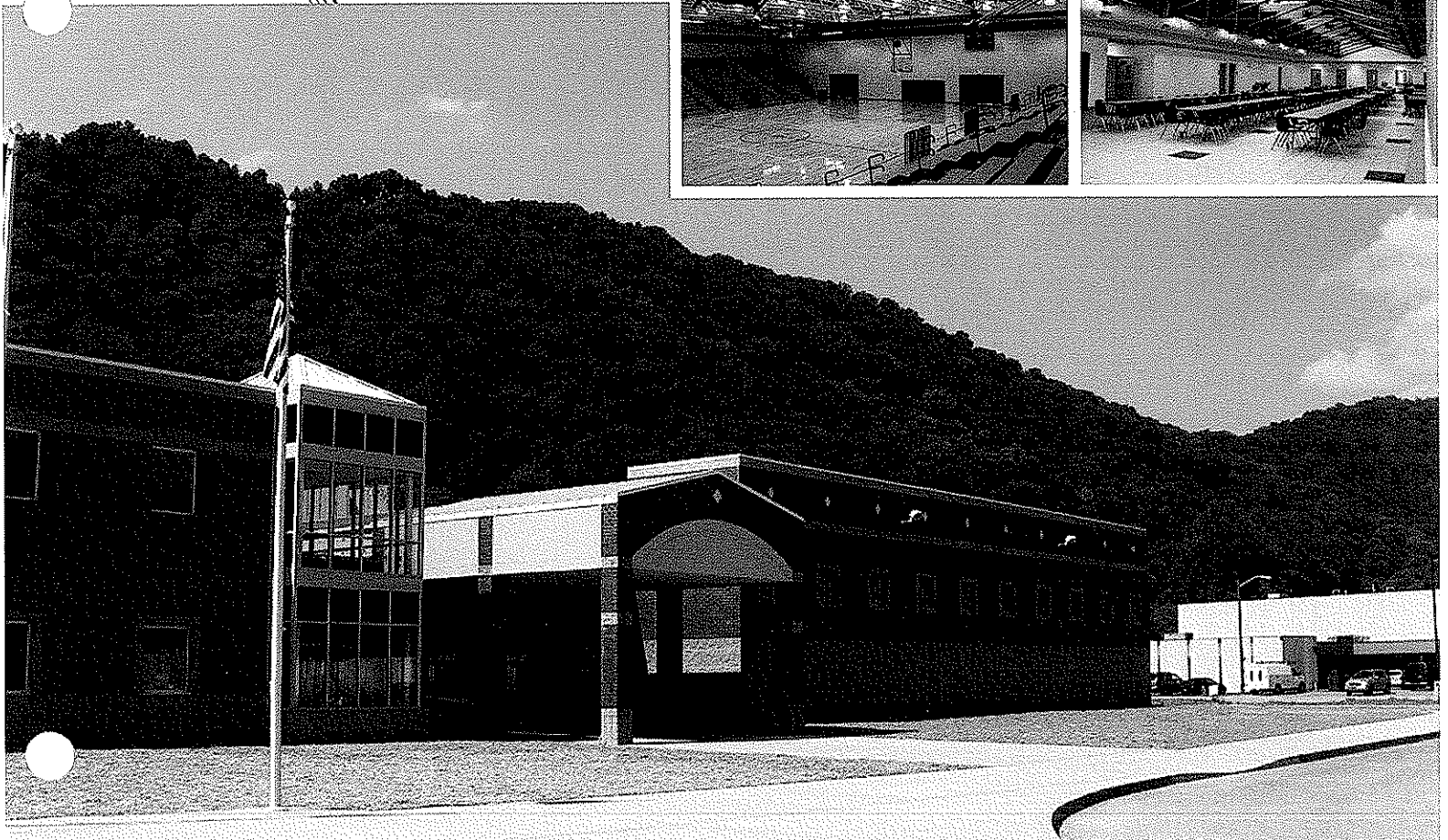
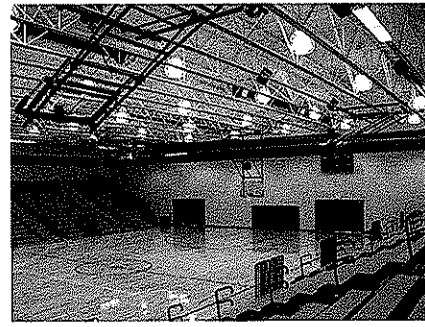
Gregg Dorfner, AIA

Contractors

City-Window &
Construction Co.

Recently completed construction of a state of the art new high school that houses the latest technology to provide students with excellent education. The school just opened for the 2007-2008 school year, and it accommodates over 700 students that attend from all over Logan County.

We were honored to have found out that this was the most cost efficient new school design in the past four years in West Virginia, according to the SBA! The final cost of this project was only \$158.41 per square foot.



Cabela's Eastern Distribution Center

Triadelphia, West Virginia

Owner

Cabela's
1 Cabela's Drive
Sidney, Nebraska 69160
P: 308/255-1692

Size

1.2 million SF (includes phases I & II)

Construction Cost

\$40 million

Project Architects-Engineers

McKinley & Associates

Project Architect

Gregg Dorfner, AIA

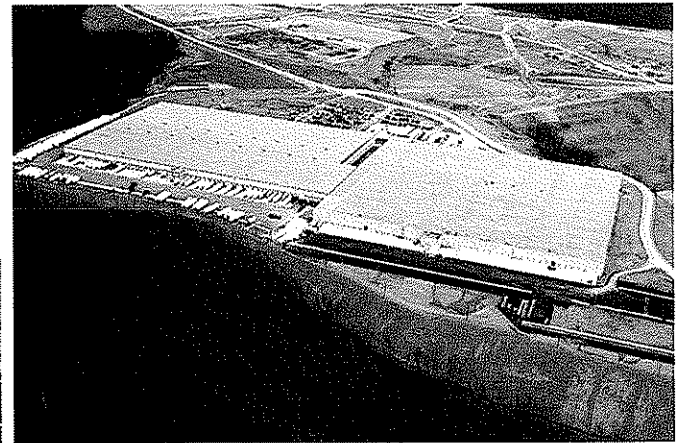
Contractors

Norwood Construction

The Cabela's Eastern Distribution Center is a new commercial warehouse that was completed in two fast-tracked phases.

The building measures 1.2 million square feet (600,000 SF for each of Phase I and Phase II), and is one of the largest buildings in the State of West Virginia.

Included with the \$40 million structure are hundreds of trailer parking spaces, 90 loading docks, an administrative office building, and a 12,000 SF employee lunch room.



Wagner Building

Wheeling, West Virginia

Owner

The Maxwell Partners

Size

60,000 SF approx.

Construction Cost

\$6.2 million

Project Architects-Engineers

McKinley & Associates

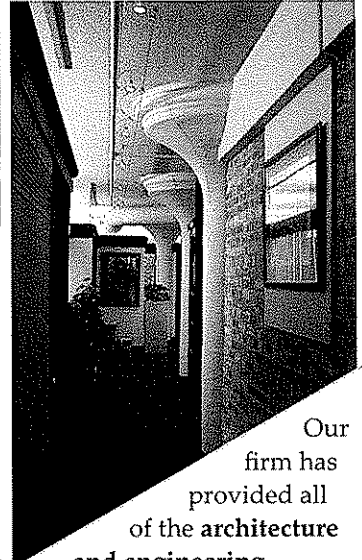
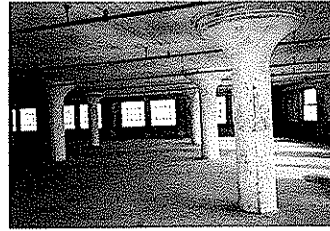
Project Architect

Gregg Dorfner, AIA

Contractors

Pat R. Ionadi Corp.
& Davison Electric

BEFORE and AFTER

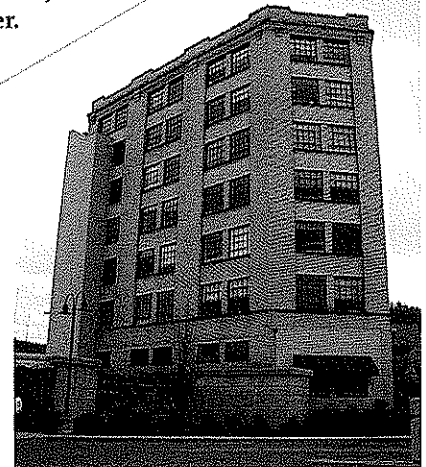
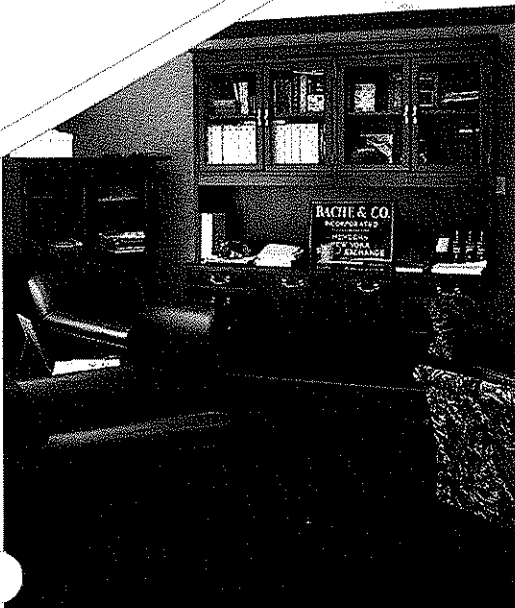


Our firm has provided all of the architecture and engineering services as well as working within the Standards of the

This project was phased on a floor-to-floor basis.

Department of Interior for this 7-story 60,000 SF structure. The sprinkler system included new piping, valves, controls and heads, tying new main service into building, and designing a new alarm system with pull stations, strobes, horns, and annunciator panels.

Located in the midst of the renaissance of downtown Wheeling, the historic Wagner Building is listed on the National Register of Historic Places and is the centerpiece of the new 10-acre Celoron Plaza Office Park. This seven-story office tower dominates the waterfront skyline and affords tenants incredible and unsurpassed panoramic views of the majestic Ohio River.



Serbian-American Cultural Center

◦ Weirton, West Virginia

◦ **Owner**

◦ State of West Virginia

◦ **Size**

◦ 24,000 SF

◦ **Construction Cost**

◦ \$2 million

◦ **Project Architects-Engineers**

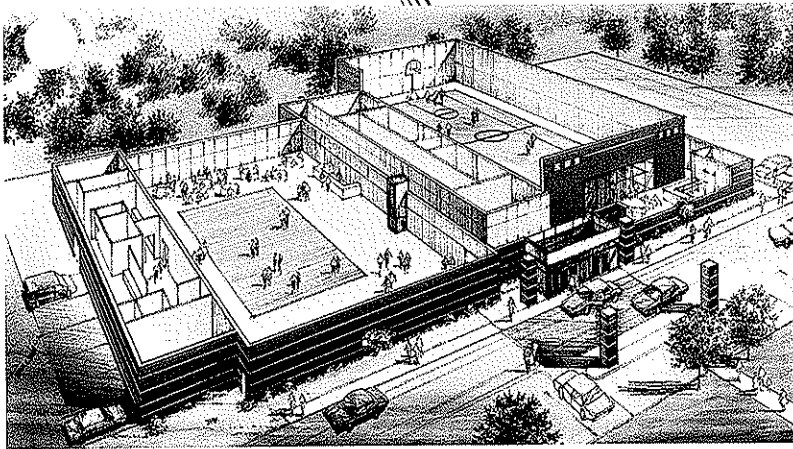
◦ McKinley & Associates

◦ **Project Architect**

◦ Charles Moore, AIA

◦ **Contractors**

◦ Walters Construction



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.



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 St Albans Armory. 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 30 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

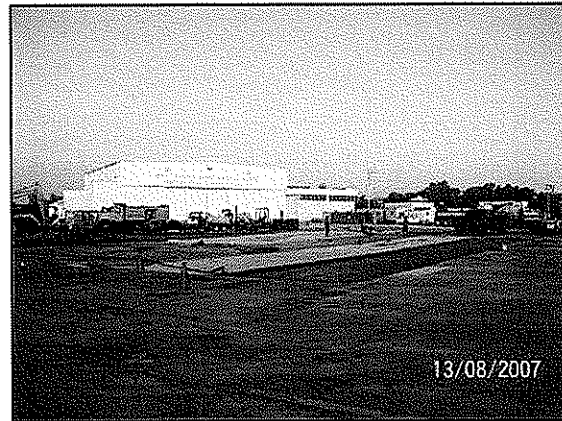
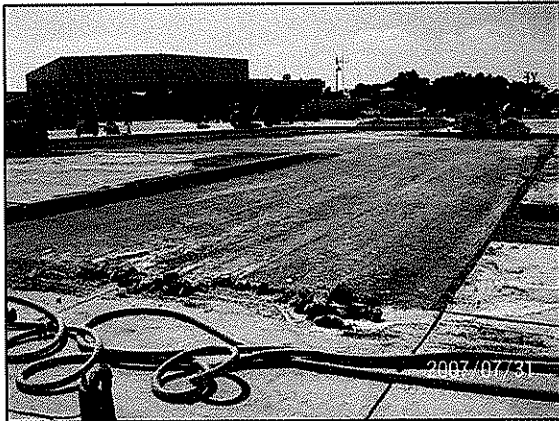
Wood County Airport
Parkersburg, West Virginia

Owner

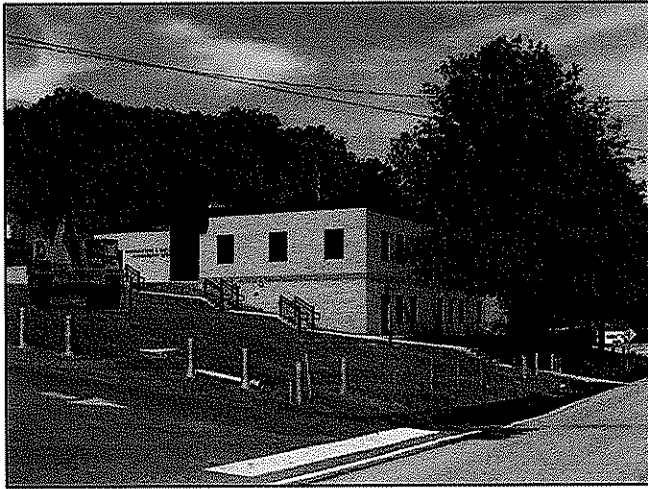
West Virginia Army National Guard
Construction and Facilities Management Office

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

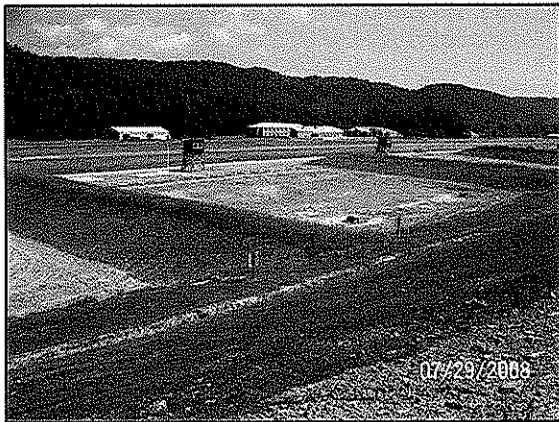
Owner

West Virginia Army National Guard
Construction and Facilities Management Office

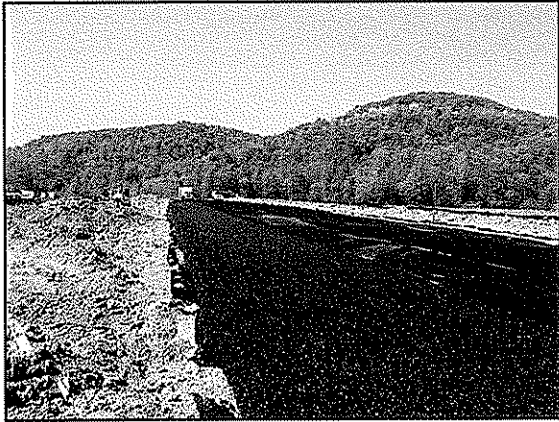
Project Description

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

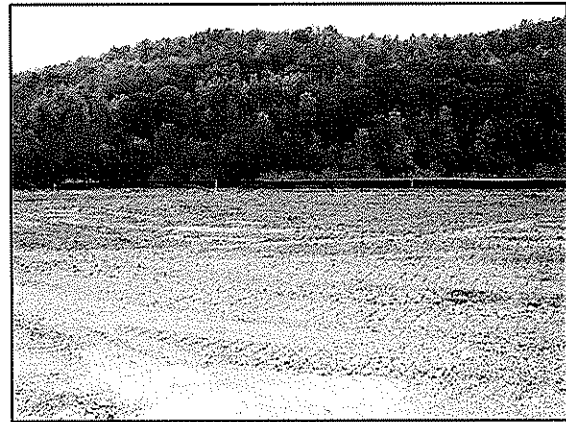
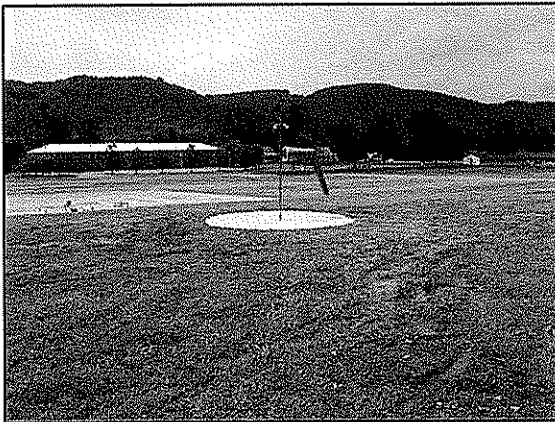
Camp Dawson Collective Training Center
Preston County, WV

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

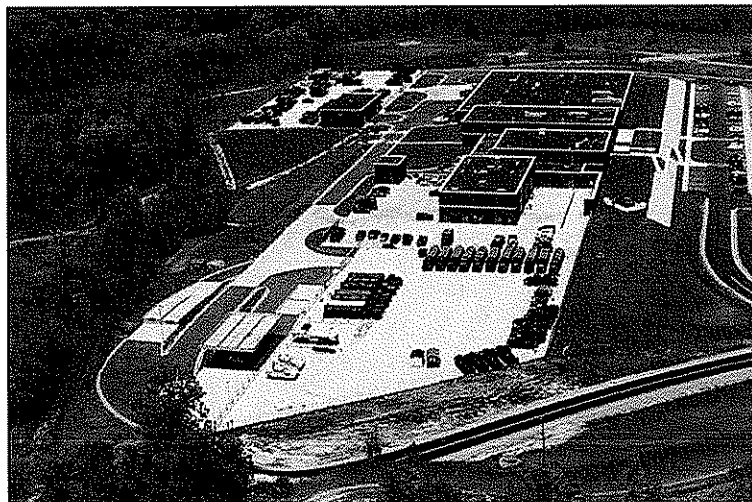
The Glen Jean Armed Forces Reserve Center Project included a Readiness Center, a Military Entrance and Processing Station (MEPS), and an Organizational Maintenance Shop (OMS). The complex consists of over 100,000 square feet of heated space, additional unheated storage and approximately 32,000 square 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

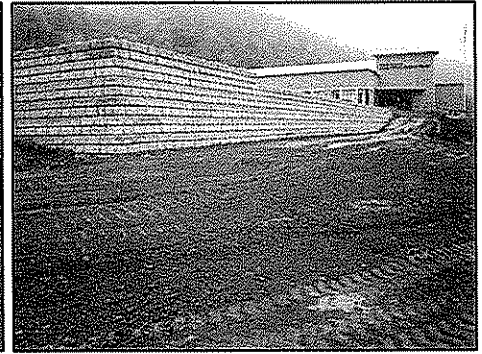
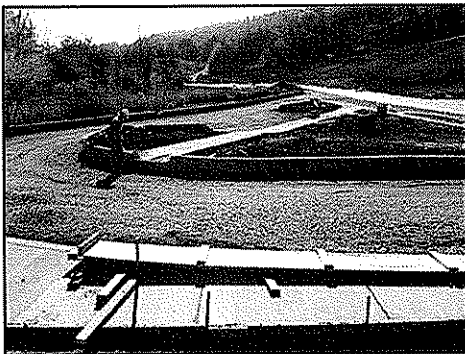
The Kingwood Readiness Center consists of a 20,000 square foot building adjacent and connected to the existing Camp Dawson Armed Forces Reserve Center in Preston County. The new facility occupies the site of the AFRC parking lot, this required design of a new access road and parking lots for both buildings. 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:

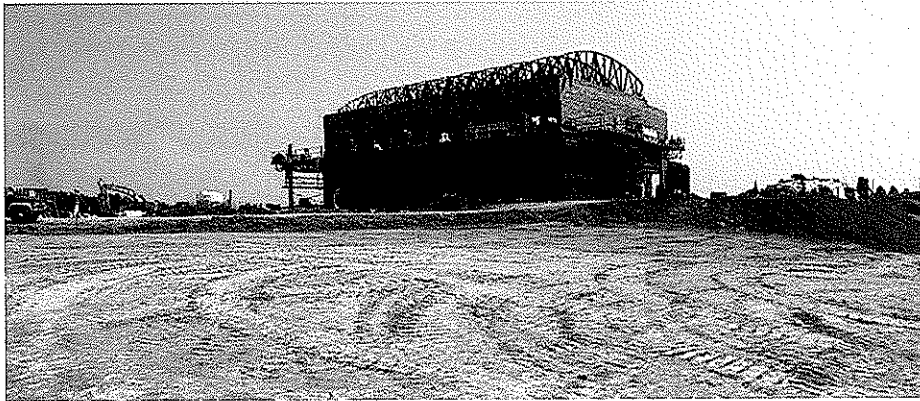
1. Utilities and general site features
2. Military equipment parking
3. Access roads and civilian parking lots

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.

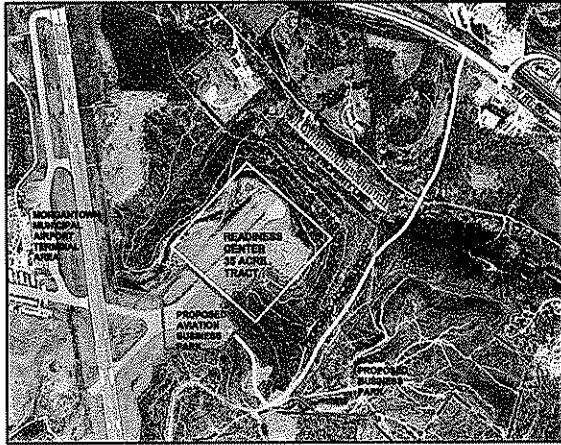
The project included the following major design elements:

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

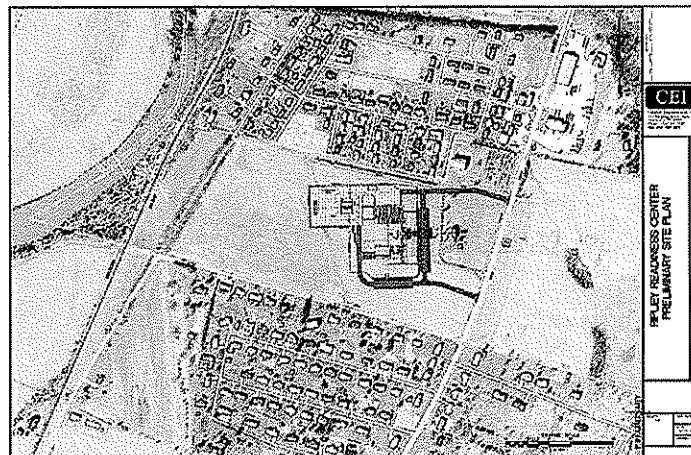
The Ripley Armed Forces Reserve Center Project includes a Readiness Center, a maintenance shop and an equipment storage building. The complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 22,000 square yards of rigid and flexible paving. The new facility 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:

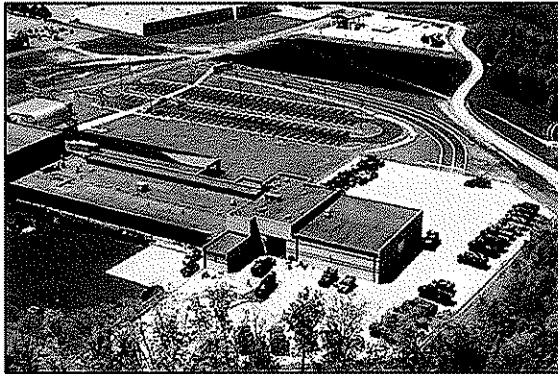
1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

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

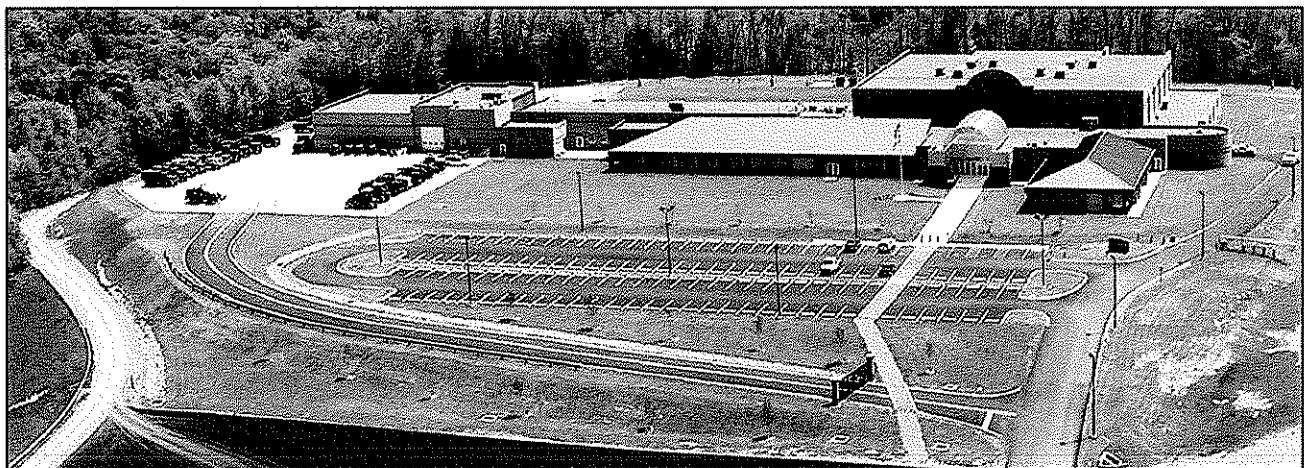
The Summersville Readiness Center Project included a Readiness Center, a Civic Arena and Conference Center, and a unit maintenance shop. The complex consists of over 70,000 square feet of heated space, additional unheated storage and approximately 21,000 square yards of rigid and flexible paving. The 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:

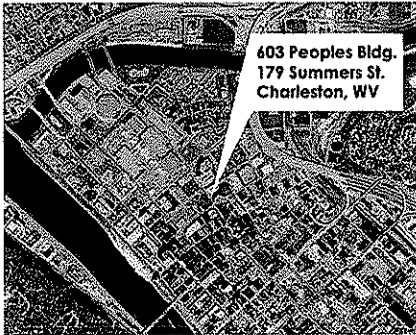
1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Easement and right-of-way acquisition



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 & 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 & 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



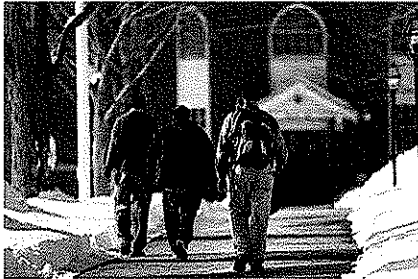
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 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.

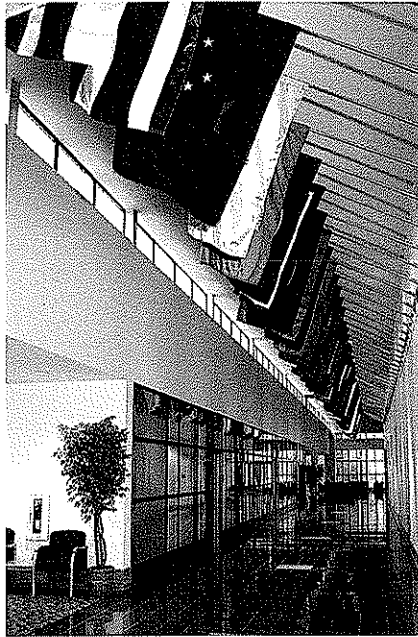
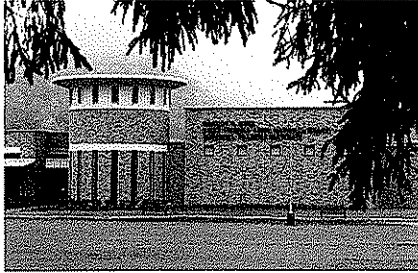


Approach



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

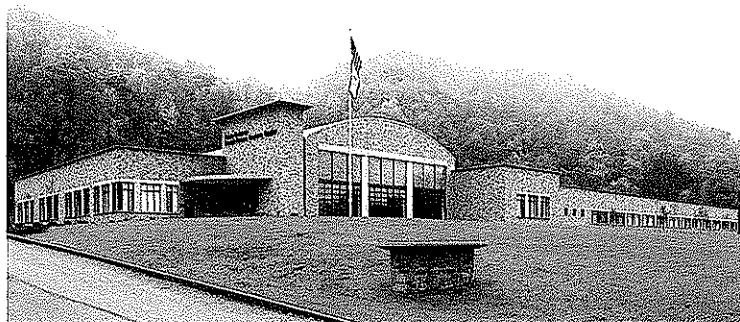
Armed Forces Reserve Center - Camp Dawson, WV

Armed Forces Reserve Center - Glen Jean, WV

Construction & Facilities Management Office -
Charleston, WV

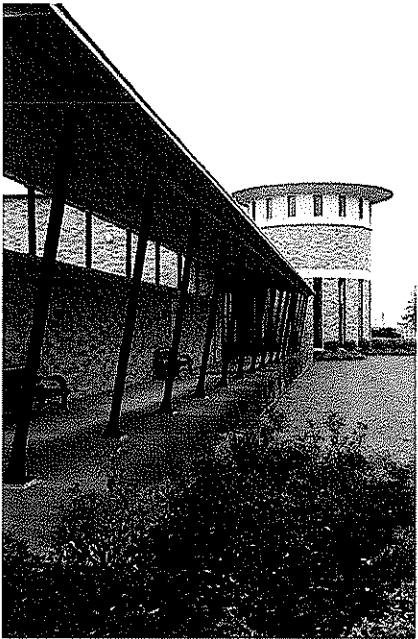
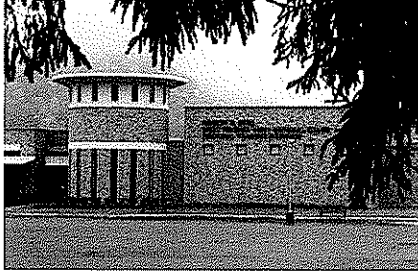
Mountaineer Challenge Academy - Camp Dawson, WV

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.



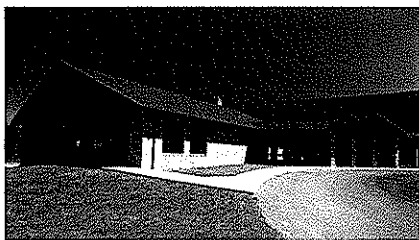
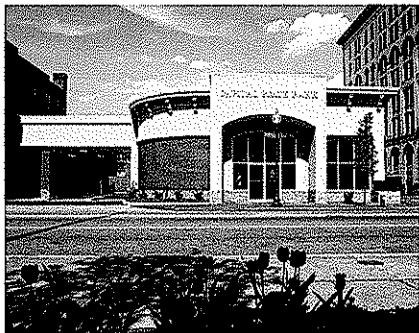
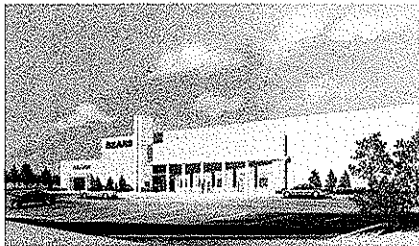
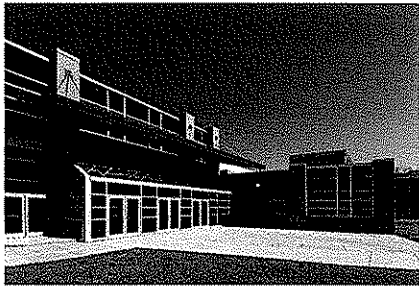
 **MOMENT**
engineers, inc.

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, Loudon 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