

June 11, 2010

Mr. Chuck Bowman  
Purchasing Division  
2019 Washington Street, East  
Building 15  
Charleston, WV 25305-0130

RECEIVED

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PURCHASING DIVISION  
STATE OF WV

Project: Buckhannon Readiness Center - DEFK10019

Dear Mr. Bowman and Members of the Selection Committee;

McKinley & Associates, Capitol Engineering, Inc., Moment Engineers, Inc., and G&G Builders, Inc. (McKinley/Capitol/Moment/G&G) have formed a collaborative, integrated team to work with the West Virginia Army National Guard's Construction and Facilities Management Office to provide professional architectural, engineering and interior design services for the Buckhannon Readiness Center. As you review this submission, we emphasize the following strengths of McKinley/Capitol/Moment/G&G with respect to your project:

1.) Our Team is a qualified **"All West Virginia Team"**. This means your expenditure will stay in West Virginia to create jobs and grow our economy

2.) McKinley & Associates has been providing design services since 1981. With offices in Charleston and Wheeling, WV, we support a professional staff of 40+ that includes: architects, mechanical, electrical, plumbing/life safety engineers (MEP engineers) as well as a certified interior design department. We are proud to be considered the largest full service A/E firm in the State of West Virginia. We have enjoyed our history with the West Virginia National Guard by being part of the design team for the Mountaineer Challenge Academy and the Multi-Purpose Building Projects, both at Camp Dawson, WV

3.) Capitol Engineering (CEI) will handle all civil and site issues. CEI is a consulting engineering firm located in Charleston, West Virginia and is just minutes away from McKinley & Associates. CEI has a tremendous history of service to the West Virginia Guard and will continue to build on that reputation. Some recent projects include: Glen Jean Armed Forces Complex, Jackson County AFRC, Fairmont AFRC, and the Elkins AFRC.

4.) Our team also includes Moment Engineers in Charleston, West Virginia for Structural Engineering. They have experience with the West Virginia Army National Guard at the Robert C. Byrd Training Institute at Camp Dawson, Armed Forces Reserve Center at Glen Jean, WV and the Armed Forces Reserve Center at Camp Dawson, to name a few.

5.) The final member of our team, G&G Builders, Inc., provides the ability to consider different structural components and architectural elements and their impact on a project's budget and schedule. Their accurate well-defined cost estimates are a critical step in successful projects because of their first-hand knowledge of all aspects of the building construction.

## GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at [www.state.wv.us/admin/purchase/vrc/hipaa.htm](http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **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>.
15. **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, and the West Virginia Insurance Commission. 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.
16. **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 material, 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.

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### INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

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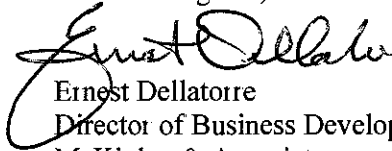
Because of our staff size, McKinley & Associates offers you an added benefit of having the capabilities of handling all of your projects in Upshur County simultaneously. Our Team has successfully worked together on numerous projects. We have the ability to assign an entirely separate architectural design team tailored for each of the projects, while using the same engineering design team to maintain continuity among the building systems. From our Charleston Office, we can offer a single "Point of Contact" for coordinating these projects, who is located less than 5 minutes from your Construction & Facilities Management Office (Coonskin Complex).

We believe the McKinley Team brings many other benefits to the table, which we outline in the enclosed document. McKinley & Associates is very excited about the possibilities of this project. One of the more exciting aspects of our job is listening to YOU, our client, in how you envision the project, and transforming your ideas into realities. This can only be accomplished by effectively working together with you. Most of our clients have been with our firm for years. The main reason we are able to maintain this relationship is that we LISTEN to the client's needs. We encourage you to speak with our references because this is the best way to get to know us and our work.

In closing, I would like to mention whether we are awarded one or multiple projects, our teams are ready to begin immediately. In this current construction bidding climate, we understand the importance of getting your project to bid so that we can take advantage of this favorable market. We are committed to each of our projects and our best testimonials are our repeat clients. We believe this is a good indication of the services we provide. We do what we tell them we are going to do or they wouldn't come back.

Thank you for reviewing our submission and considering our Team for your project. We are very excited about the possibility of working for you again. If you have any questions, please do not hesitate to call at any time.

Personal Regards,



Ernest Dellatorre  
Director of Business Development  
McKinley & Associates



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

# Executive Summary

Enclosed is our complete Expression of Interest for all professional architectural and engineering services for the Buckhannon Readiness Center. Here is an overview of what McKinley & Associates brings to the West Virginia Army National Guard's Construction and Facilities Management Office:

## RFP Highlights:

- An All-West Virginia Team
- Ability to handle all 3 Buckhannon projects simultaneously
- A single Point of Contact (Thomas R. Worledge, AIA, LEED AP BD+C, REFP) for all 3 Buckhannon projects
  - Point of Contact is located in Charleston; Minutes to your office
- Team has experience with over ten (10) projects for the West Virginia Army National Guard
- McKinley & Associates designs over \$100 million in construction cost per year in West Virginia
- All MEP Engineering will be designed "In-House"
  - Depth of team members within each discipline
- McKinley & Associates has 4 LEED Accredited Professionals on staff
  - LEED APs in both the architectural and engineering fields
- Cost Control - provided by professional cost estimator, G&G Builders, Inc
- Proposed team has collaborated on previous projects
- We have 4 experienced Construction Administrators on staff
- We are available to start immediately upon our being selected

## Team Members:

- McKinley & Associates - Architecture, MEP Engineering, Energy Efficient and "Green" (LEED) Design, Quality Control, Interior Design, & Construction Administration
- Capitol Engineering - Civil/Site Engineering
- Moment Engineers - Structural Engineering
- G&G Builders - Professional Cost Estimating

First and foremost we can state that our staff of 40+ professionals will devote whatever resources are necessary to provide the West Virginia Army National Guard's Construction and Facilities Management Office with a successful project. This is an "In-House" team of over 15 registered professional architects and engineers that works together everyday.

The most important element of the entire process is **communication** from you. We use and welcome your input throughout the project. We continually achieve success in projects by maintaining **time and cost management** amongst the client and contractors. You will have the ability to review the plans and specifications at different completion percentages of the development phase. We hold **weekly meetings** to discuss your project, the budget, schedule and quality assurance. We provide **Documented Minutes** of all of our meetings and encourage the Owner to participate in these meetings.

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.**

Our **Eleven Month Walk-Through** is a process where our professionals return to your facility eleven months after the project is completed. At that time they review all the work that was completed and check all warranties. We are making sure all of the covered work is in order and that the warranties do not expire with equipment or product not working properly. It should be noted that McKinley & Associates has been performing our eleven month walk-through for the past **13 years** as part of our **Standard of Care**, and it only recently has been adopted as an AIA 101 Standard. We also conduct **Post Occupancy Evaluations** with the Owner to find out how well we matched the Owners' needs.



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  
 DEFK10019

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 BUYER 32  
 304-558-2544

RFQ COPY

TYPE NAME/ADDRESS HERE

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

RFQ COPY

DIV ENGINEERING & FACILITIES  
 ARMORY BOARD SECTION

1707 COONSKIN DRIVE  
 CHARLESTON, WV  
 25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/21/2010				

BID OPENING DATE: 06/16/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-29		
BUCKHANNON READINESS CENTER						
<p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR THE BUCKHANNON READINESS CENTER IN UPSHUR CO., WEST VIRGINIA, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p>						
***** THIS IS THE END OF RFQ DEFK10019 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *[Signature]* TELEPHONE (304) 233-0140 DATE 6/14/10

TITLE Business Development FEIN 55-0696478 ADDRESS CHANGES TO BE NOTED ABOVE

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



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

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RFQ NUMBER  
**DEFK10019**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**BUYER 32**  
**304-558-2544**

SUITED FOR

**RFQ COPY**  
**TYPE NAME/ADDRESS HERE**

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

SUITED FOR

**DIV ENGINEERING & FACILITIES**  
**ARMORY BOARD SECTION**

**1707 COONSKIN DRIVE**  
**CHARLESTON, WV**  
**25311-1099 304-341-6368**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/25/2010				

BID OPENING DATE: **06/16/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UCP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				<b>ADDENDUM NO. 1</b>		
				<b>ADDENDUM ISSUED FOR THE BUCKHANNON READINESS CENTER DESIGN PROJECT TO CORRECT THE PROJECT LOCATION AS STATED IN SECTION 1.2 OF THE EXPRESSION OF INTEREST. PROJECT IS LOCATED IN BUCKHANNON, WV, WITH AN ESTIMATED 57,119 SQUARE FOOTAGE.</b>		
				<b>BID OPENING DATE AND TIME REMAIN 06/16/2010 AT 1:30 PM.</b>		
				<b>NO OTHER CHANGES</b>		
<b>0001</b>	<b>1</b>	<b>JB</b>	<b>906-29</b>			
				<b>BUCKHANNON READINESS CENTER</b>		
				<b>***** THIS IS THE END OF RFQ DEFK10019 ***** TOTAL:</b>		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *[Signature]* TELEPHONE (304) 233-0140 DATE 6/14/10

TITLE Business Development FEIN 55-0696478 ADDRESS CHANGES TO BE NOTED ABOVE

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

RFQ No. DEFK10019STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** 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 owned is an amount greater than one thousand dollars in the aggregate

**DEFINITIONS:**

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

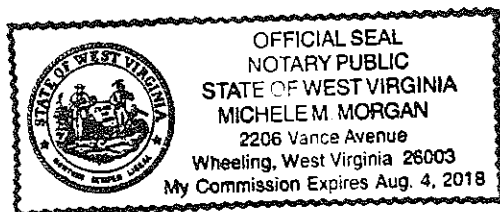
"Debtor" means any individual, corporation, partnership, association, Limited Liability Company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

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

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.

**WITNESS THE FOLLOWING SIGNATURE**Vendor's Name: McKinley & AssociatesAuthorized Signature: *Justin Dillaber* Date: June 11, 2010State of West VirginiaCounty of Ohio, to-wit:Taken, subscribed, and sworn to before me this 11 day of June, 2010.My Commission expires August 4, 2018.

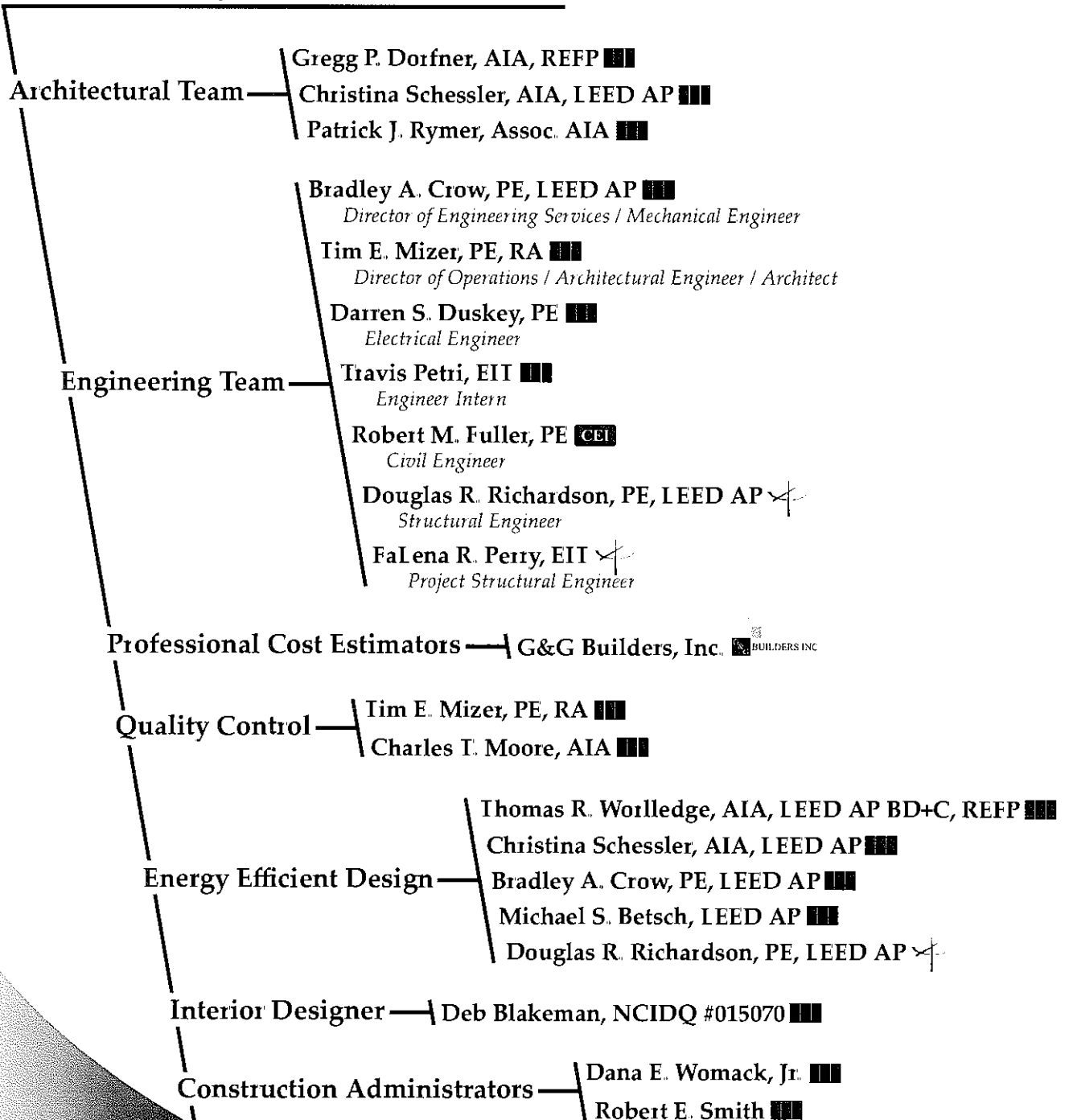
AFFIX SEAL HERE

NOTARY PUBLIC *Michele M Morgan*

# Design Team

**Project Manager / Point of Contact**

**Thomas R. Worlledge, AIA, LEED AP BD+C, REFP**





# Thomas R. Worlledge, AIA, LEED AP BD+C, REFP

## Charleston Office Area Manager



## Architect / LEED Accredited Professional

### EDUCATION:

Virginia Polytechnic Institute & State University  
Master of Architecture - 1992

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

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### Registered Architect in:

West Virginia  
Virginia  
Pennsylvania  
Ohio

#### National Board Certification:

NCARB #48600

#### President:

West Virginia Society of Architects

#### Member:

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

#### 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:

Mr. Worlledge is a skilled Architect with over 20 years experience who has received state wide design awards (including a West Virginia Chapter of the American Institute of Architects 2009 Merit Award in Sustainable Design) and placed in national design competitions As a **LEED Accredited Professional** and 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 the new West Virginia State Building in Logan, which will be LEED Silver Certified. 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 EXPERIENCES:

#### LEED and Energy Efficient "Green" Design:

Marshall County Schools - Hilltop Elementary School (LEED Registered Project)

West Virginia State Building in Logan, WV (LEED Registered Project)

Bellann in Oakhill, WV (LEED Registered Project)

McKinley & Associates Charleston Area Office (2009 WV AIA Design Award winner)

### PROMINANT 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

# Gregg P. Dorfner, AIA, NCARB, REFP

Director of Architectural Services

## Architect

### EDUCATION:

Fairmont State College  
Associate of Science, Architectural  
Engineering Technology - 1974

Fairmont State College, School of Technology  
Regents Bachelor of Arts - 2000

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Architect in:**  
West Virginia, Pennsylvania, District of  
Columbia, & Ohio

**National Board Certification:**  
NCARB #36602

**Member:**  
The American Institute of Architects  
AIA West Virginia

**Arbitrator:**  
Panel of Construction Neutrals, American  
Arbitration Association

**Former Instructor:**  
Architectural Technology, Fairmont State College

### PROFESSIONAL PLANNING AFFILIATIONS AND CERTIFICATIONS:

**Member:**  
The Council of Educational Facility Planners,  
Intl. (CEFPI)  
Recognized Educational Facility Professional  
(REFP)

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2001 to present)

Alpha Associates  
Morgantown, WV (1996-2001)

Self-Employed Consulting Architect  
Fairmont, WV (1995-1996)

Blackwood Associates  
Fairmont, WV  
(1974-1995)

### SUMMARY OF EXPERIENCE:

Mr. Dorfner's 37 years of experience in the commercial, institutional and educational markets is broad-based, having worked on projects ranging in scope from convenience stores to psychiatric hospitals. His areas of specialized design include primary & secondary schools, medical & health care facilities, Comprehensive Educational Facility Plans, and multiple-unit housing developments. He has acquired an extensive knowledge and understanding of construction documents, professional practice, state building & fire codes, and building industry standards, as well as governmental guidelines & regulations. This expertise helps him develop effective and economical design solutions to many complex code-related and professional practice issues.

### SELECTED PROFESSIONAL ACHIEVEMENTS:

#### Project Architect

New Cameron High School / Cameron, WV (127,000 SF)

#### Project Architect

New Chapmanville High School / Chapmanville, WV  
(135,000 SF)

#### Coordination Architect

Wood County Schools / Parkersburg, WV (\$63+ mil )

#### Project Architect

New Oak Glen Middle School / New Manchester, WV  
(85,000 SF)

#### Project Architect

Classroom & Gymnasium additions to Ridgedale Elementary,  
Monongalia County Schools / Morgantown, WV

#### Project & Design Architect

Student Leader Housing Facilities, West Virginia University /  
Morgantown, WV

#### Project & Design Architect

Wm R. Sharpe Hospital, WV Division of Health / Weston, WV

#### Project & Design Architect

Tomahawk Elementary, Berkeley County Schools / Weston, WV

#### Design Architect

Preston High School, Preston County Schools / Kingwood, WV

# Christina Schessler, AIA, LEED AP



## LEED Accredited Professional / Architect

### EDUCATION:

The Pennsylvania State University  
Bachelor of Architecture - 1986

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### Registered Architect in:

West Virginia  
Pennsylvania  
Ohio

#### NCARB Certificate - 2005

#### LEED® Accredited Professional

#### Member:

American Institute of Architects  
City of Wheeling - Building Codes Board  
of Appeals

#### Former Member, Board of Director, & Treasurer:

The Midwife Center for Birth & Women's  
Health / Pittsburgh, PA

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2004 to present)

MacLachlan, Cornelius & Filoni Architects  
Pittsburgh, PA (1999-2004)

Perfido Weiskopf Architects  
Pittsburgh, PA (1996-1999)

T.L. Cox & Associates  
Beaver, PA (1990-1996)

Valentour English Bodnar Architects  
Mt Lebanon, PA (1989-1990)

Kenny Williams & Williams Building  
Diagnostics  
Maple Glen, PA (1988)

### SUMMARY OF EXPERIENCE:

Ms Schessler has 20 years of experience working one on one with a wide range of educational, professional, liturgical, medical and commercial clients. She is adept at developing space and utilization programs with clients who are unfamiliar with the architectural design process. Christina can provide direction to Clients who wish to develop a design and document program that is intended to achieve LEED Certification. Her skills include construction document preparation, consultant coordination and construction administration experience. As a volunteer and as a professional, Ms. Schessler has developed several projects for non-profit agencies on limited budgets.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Project Architect

Panhandle Cleaning & Restoration warehouse and office building

WVU Fire Training Academy / Jackson's Mill, WV

Wheeling Island Fire Station

Grant County Schools / Multiple Projects

West Virginia Independence Hall

Braxton County Senior Citizen Center

Bethany College Health and Wellness Center, renovation

University of the South, Gaylor Hall Additions and Renovation

University of Pittsburgh, Blaisdell Hall, New Theater and Arts Building

Beaver Valley Burn Building site development

The Beaver County Medical Center, Women's Health Center and Rheumatology Expansion

New Hope Youth Home addition / Beaver, PA

#### Architect

The Midwife Center for Birth & Women's Health, Birthing Suites / Pittsburgh, PA (**Non-Profit**)

Master Plan study for DePaul Institute for the hearing impaired

Indiana University of PA, Uhler Hall Additions and Renovations

#### Project Designer

United Cerebral Palsy Center, renovations and additions / Washington, PA (**Non-Profit**)

St. Clair Hospital, Woman's Breast Cancer Health Clinic

Children's Home of Pittsburgh, interior renovations (**Non-Profit**)

# 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:

West Virginia Army National Guard:

Camp Dawson/Fueling Canopies

Parkersburg Army Aviation Support Facility / Taxiway Repair

Marshall County Schools:

New Cameron Middle/High School (LEED)

Cameron Elementary / Pre-K Classroom Building Addition

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

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

# Bradley A. Crow, PE, LEED AP



Director of Engineering Services

Mechanical Engineer / LEED Accredited Professional

## EDUCATION:

West Virginia Institute of Technology  
B.S. Mechanical Engineering

## PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

### Registered Engineering in:

West Virginia  
Pennsylvania

LEED® Accredited Professional

## PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Director of Engineering  
Wheeling, WV (2005 to present)

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

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

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

## SUMMARY OF EXPERIENCE:

Mr. Crow is an exciting and innovative Engineer who is on the cutting edge of his profession, being both a Professional Engineer as well as a **LEED® Accredited Professional**. 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

West Virginia Army National Guard - Multi-Purpose Building at Camp Dawson

West Virginia Army National Guard - Mountaineer Challenge Academy at Camp Dawson

Bennett Square Office Building

Cabela's Eastern Distribution Center

Panhandle Cleaning & Restoration warehouse and office building

Dr Ganzer Office Building

West Virginia State Building in Logan, WV (LEED)

Marshall County Schools - Hilltop Elementary (LEED)

Marshall County Schools - Cameron Middle/High School (LEED)

West Virginia Independence Hall

USPS - Charleston Processing and Distribution Center

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

Wood County Schools (\$63+ million renovations)

WVU Colson Hall renovations

WVU State Fire Training Academy / Jackson's Mill

West Virginia State Police - New Logan Detachment

Illinois Cancer Center

Utah Cancer Center

Monroeville MRI

Wheeling Island Fire Station

# Tim E. Mizer, PE, RA

Director of Operations

Architectural Engineer / Architect / Quality Control

## EDUCATION:

Kansas State University  
B S Architectural Engineering - 1983

University of Cincinnati  
Architecture

## PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Engineering in:**  
West Virginia  
Ohio

**Registered Architect in:**  
Ohio

## PROFESSIONAL EMPLOYMENT:

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

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

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

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

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

## SUMMARY OF EXPERIENCE:

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

## NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia Army National Guard - Mountaineer Challenge Academy at Camp Dawson in Kingwood, WV

West Virginia Army National Guard - Multi-Purpose Building at Camp Dawson in Kingwood, WV

West Virginia State Police - renovations and new detachments. Also surveyed, reviewed, projected, budgeted, and documented 72 police facilities statewide.

USPS - designed over 100 Post Offices throughout West Virginia for ADA compliance.

West Virginia State Building in Logan, WV (LEED)

West Virginia State Building in Weirton, WV

WVU Colson Hall renovations/upgrade

WVU State Fire Training Academy

Grant County Schools / multiple upgrade projects

Marshall County Schools (\$38+ mil.)

Wood County School Bond Project (\$63+ mil.)

Hancock County Middle School-new building/site

Marshall County Schools - Hilltop Elementary (LEED)

Marshall County Schools - Cameron Middle/High School (LEED)

Cabela's Eastern Distribution Center

Wheeling Island Casino - various projects

Independence Hall roof

Dr Ganzer Office Building

Panhandle Cleaning & Restoration warehouse  
and office building

# 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 Professional Engineer in:**  
West Virginia  
Ohio

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2002 to present)

Pickering Associates  
Parkersburg, WV (1997-2002)

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

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

### SUMMARY OF EXPERIENCE:

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

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Electrical Engineer

West Virginia Army National Guard - Mountaineer Challenge Academy at Camp Dawson in Kingwood, WV

West Virginia Army National Guard - Multi-Purpose Building at Camp Dawson in Kingwood, WV

Cabela's Eastern Distribution Center [*New large (~1,000,000 SF) distribution center services, electrical design*]

West Virginia State Building in Weirton, WV

West Virginia State Building in Logan, WV (LEED)

Panhandle Cleaning & Restoration warehouse and office building  
Bennett Square Office Building

Dr Ganzer Office Building

Marshall County Schools - Hilltop Elementary (LEED)

Marshall County Schools - Cameron Middle/High School (LEED)

West Virginia University - Colson Hall (*Upgrade electrical service, including medium voltage distribution, renovations*)

WVU Institute of Technology - Maclin Hall (*Upgrade electrical service, renovations*)

WVU State Fire Training Academy in Jackson's Mill, WV

West Virginia Northern Community College - The Education Center (*Upgrade electrical service, renovations*)

Chapmanville Regional High School - Logan County Schools (*New school service, electrical design*)

WVSP Headquarters (*Upgrade electrical service*)

WVSP detachment in Berkeley County (*Upgrade electrical service, renovations*)

United States Postal Service - statewide post offices



# Travis Petri, EI

## Engineer Intern

### EDUCATION:

West Virginia University  
B.S. in Mechanical Engineering - 2003

### PROFESSIONAL REGISTRATIONS:

Engineer Intern

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Project Engineer  
Wheeling, WV (2006 to present)

Petri Detailing  
Owner/Sole Proprieter  
Wheeling, WV (2000 - 2006)

Mountaineer Gas Company  
Engineering Internship  
Wheeling, WV(1999)

### SUMMARY OF EXPERIENCE:

Mr. Petri is skilled in the complete design and project management of mechanical systems, whether it is renovations or new construction. He has worked on several LEED projects, performed multiple energy studies, and can provide recommendations to building owners to provide energy savings

### NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia Army National Guard - Mountaineer Challenge Academy at Camp Dawson

Logan State Office Building (LEED registered project)

West Virginia State Police - Logan Detachment

West Virginia State Police - Academy

United States Postal Service - multiple projects

Marshall County Schools - Cameron Middle School / High School (LEED registered project)

Marshall County Schools - Hilltop Elementary School (LEED registered project)

Wood County Schools - Parkersburg High School

Wood County Schools - Parkersburg South High School

Wood County Schools - Williamstown High School

Ohio County Schools - Bridgestreet Middle School

Marshall County Schools - Washington Lands

Hancock County Schools - Oak Glen High School

Hancock County Schools - Weir Middle School / High School

Southern WV Community & Technical College - Williamson campus

Southern WV Community & Technical College - Wyoming/McDowell campus

West Virginia Northern Community College - B&O Building

Braxton Co Senior Center

West Virginia Independence Hall





# Charles T. Moore, AIA

## Quality Control

### EDUCATION:

University of Texas  
Bachelor of Architecture - 1955

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Professional Architect in:**  
West Virginia  
Ohio  
Texas

### Member:

American Institute of Architects  
West Virginia Society of Architects

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Architect / Quality Control  
Wheeling, WV (1988 to present)

Deeter Ritchey Sippel Associates  
Architect  
Pittsburgh, PA (1982-1988)

William F Pleva, Architects  
Architect  
Pittsburgh, PA (1981-1982)

Charles Moore, Architect  
Owner / Architect  
Crockett, TX (1969-1981)

### SUMMARY OF EXPERIENCE:

Mr. Moore brings over 50 years of architectural experience to the job. His varied experience in the Architectural Profession creates economical solutions to our projects. In addition to his design skills, Mr Moore is a very organized and experienced Quality Control Manager.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Project Architect

Cameron High School Addition

Renovations to Bonar Hall West Liberty State College

Hazel-Atlas Building, West Virginia Northern College /  
Wheeling, WV

#### Coordinator of Engineering Services

NASA "Classroom of the Future", Wheeling Jesuit College /  
Wheeling, WV

#### Quality Control

West Virginia State Building in Logan, WV (LEED)

Marshall County Schools - Hilltop Elementary (LEED)

Marshall County Schools - Cameron Middle/High School (LEED)

West Virginia State Building in Weirton, WV

Panhandle Cleaning & Restoration warehouse and office building

Wheeling Island Casino - various projects

WV Independence Hall

Bennett Square Office Building

Cabela's Eastern Distribution Center

Marshall County Schools / multiple projects

WVU Colson Hall renovations/upgrade

WVU Institute of Technology - Maclin Hall

WVU State Fire Training Academy

West Virginia State Police - various detachments statewide

West Virginia State Police Headquarters

West Virginia State Police Academy

United States Postal Service - various projects statewide

Grant County Schools / multiple projects - Maysville ES, Union  
Educational Complex

Wetzel County Schools / multiple projects - Long Drain ES,  
Magnolia HS, New Martinsville ES, WCCCF

Summers County Middle School

# Michael S. Betsch, LEED AP



## LEED Accredited Professional

### EDUCATION:

Drexel University (Philadelphia, PA)  
Bachelor of Architecture - 2007

Delaware Technical and Community College  
Associate, Architectural Engineering - 2000

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

U S. Green Building Council

LEED® Accredited Professional

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2008 to present)

Stantec Architecture  
Wilmington, DE; New York; and Vancouver  
(2007-2008)

The Breckstone Group  
Wilmington, DE (2006-2007)

Staikos Associates Architects  
Wilmington, DE (2000-2006)

### SUMMARY OF EXPERIENCE:

Mr. Betsch's project experience includes new construction as well as renovation of existing structures. Projects types include government, liturgical, private high security, educational, office, retail, institutional, residential, and historic preservation.

Mr. Betsch has proven success working with highly intricate project delivery scenarios such as phased renovations to active mission critical command and control centers, and modernization of highly publicized actively used government historical centers such as New York City's City Hall. With over 8 years of experience Mr. Betsch has had the opportunity to work for a varied group of clients in the US, Canada, and the Middle East. These clients have included Foreign Governments, Integrated Defense Providers, State and local governments, Historic Societies, Educational Providers, Public and Private Corporations, Condo Associations, and Private Home owners. As a **LEED® Accredited Professional** Mr. Betsch works to bring sustainable design solutions to work for the benefit of his clients and the community.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### **New York City Hall** / New York, NY

General restoration and architectural coordination for extensive mechanical renovations of the interior of historic landmark originally built in 1811. A feasibility study was completed to obtain a LEED certification. In addition, a high-definition scan (a laser survey technology used to create three-dimensional electronic models), multi-media, mass media, and audio/video upgrades were designed for the City Council.

**Weir High School** / Hancock County Schools in Weirton, WV  
\$5 million architecture and HVAC project involved the construction of new Mechanical Rooms at Buildings A and F.

**Arkansas Emergency Operations Center** / Little Rock, AR  
Programming, master planning, and design development documentation for this statewide emergency operations center

**Burnaby Mountain Sports and Medicine Center** / Simon Fraser University in Vancouver, British Columbia  
Design charette for a new facility which includes a roof top soccer field, clinics, offices, a field house, retail, grocery store, and aquatic center with an Olympic sized swimming pool

**Montgomery County Emergency Operations Center** /  
Montgomery County, MD

Programming, planning, design and contract documents for a 10,500 SF multimedia operations theater for 45 responders with support spaces, media briefing, etc.

**Montgomery County Emergency Communications Center**

Programming, master planning, design and preparation of contract documents for a 57,000 SF emergency communications facility

# Deb Blakeman, NCIDQ #015070



## Interior Designer

### EDUCATION:

University of Charleston  
Bachelor of Arts, Interior Design - 1992

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

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

### Associate Member:

The American Institute of Architects

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Charleston, WV (2004 to present)

HDMR Group Inc  
Charleston, WV (2000-2004)

Custom Office Furniture  
Charleston, WV (1994-2000)

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

Interior Design  
Charleston, WV (1992-1994)

Freeland Furniture Company  
Charleston, WV (1981-1987)

Interior Reflections  
Logan, WV (1980-1981)

### SUMMARY OF EXPERIENCE:

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

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Interior Designer

West Virginia University - Colson Hall

West Virginia University - State Fire Training Academy

WVU Institute of Technology - Maclin Hall

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

Marshall County Schools - Hilltop Elementary School (LEED Registered Project)

West Virginia State Building in Logan, WV (LEED Registered Project)

McKinley & Associates Charleston Area Office (2009 WV AIA Design Award winner)

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

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

Sisters of St. Joseph - Convent / Assisted Living renovation project  
Braxton County Senior Center

#### Interior Designer / Sales

WV Graduate College (Furnishings)

WV Credit Union (Space Planning, Furnishings and Finishes)

#### Adjunct Professor

University of Charleston

# Dana E. Womack, Jr.

## Construction Administrator

### EDUCATION:

Marshall University  
A A S. Occupational Development - 2005

### 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 Western Regional Jail), 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:

#### Construction Administrator for:

*West Virginia State Building in Logan, WV (LEED)*  
*West Virginia State Police Academy Renovations*  
*WVSP Logan Detachment*  
*Brookview Elementary - Boone County Schools*  
*Madison Middle - Boone County Schools*  
*Scott High - Boone County Schools*  
*Summers County High - Summers 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.

*Southern and Southwestern Regional Jails*  
*Montrose Elementary Elevator Addition*  
*900 Christopher Street Structural Renovations*  
*Putnam PSD New Maintenance Garage*  
*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 E. Smith

## Construction Administrator

### EDUCATION:

University of Pittsburgh  
M S Industrial Engineering - 1989

United States Air Force Academy  
B S Behavioral Science /  
Human Factors Engineering - 1983

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### President:

Mingo Business Association (2007 to present)

#### Commander:

American Legion Post 351 (2008 to present)

#### Board Member:

Indian Creek School District (elected in 2009)

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
*Project Coordinator*  
Wheeling, WV (2009 to present)

Jefferson County Regional Planning  
Commission  
*Regional Planner*  
Steubenville, OH (2008-2009)

Edison Local School District  
*Director of Operation* (1999-2008)  
*Transportation Supervisor* (1998-1999)  
Hammondsville, OH

### SUMMARY OF EXPERIENCE:

Mr. Smith is a self confident, articulate and highly motivated individual with superior interpersonal and teamwork skills. He has a plethora of experience in mid to upper level personnel management, advanced information systems integration, training, acquisition, contract management, transportation and maintenance, and quality control. He has 23 years of direct supervisory experience, as well as 13 years of documented success as an Air Force Officer.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Construction Administration for:

*Steel Valley Regional Transit Authority roof*  
*Tyler County Schools - Bus Maintenance Garage*  
*Tyler County Schools - 3 HVAC projects*  
*Cabela's Eastern Distribution Center*  
*United States Postal Service - Grafton HVAC*  
*Brooke County Schools - Follansbee Middle*  
*Hancock County Schools - Oak Glen High HVAC*  
*Hancock County Schools - Weir MS/HS HVAC*  
*Marshall County Schools - New Cameron MS/HS (LEED)*

#### Director of Operations

Responsible for the daily transportation of all district students (over 2500) which included 29 bus routes traveling over 3500 miles per day. Also responsible for all maintenance in 7 buildings. Managed a budget of over \$1.5 million.

#### Transportation Supervisor

Responsible for all transportation in the district, while also supervising 29 regular bus drivers, 10 substitutes, and 3 full-time mechanics.

### MILITARY SERVICE:

Wright Patterson Air Force Base - Dayton, OH  
Chief B-2, Block 20 Field Retrofit  
B-2 Systems Program Office (1994-1996)  
Team Leader, Process Improvement Technology  
Armstrong Laboratory (1989-1994)

Randolph Air Force Base - San Antonio, TX  
Chief, Test Construction Section  
Occupational Measurement Center (1987-1988)  
Quality Control Psychologist  
Occupational Measurement Center (1985-1987)  
Supervisor of Test Construction Team  
Occupational Measurement Center (1983-1985)

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

**QUALIFICATIONS**

Project Manager with twenty (20) 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 seventy (70) 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. Brief descriptions of the projects with asterisks are provided elsewhere in this proposal.

- Jackson County Armed Forces Reserve Center\*
- Fairmont Armed Forces Reserve Center\*
- Elkins Armed Forces Reserve Center\*
- Glen Jean Armed Forces Reserve Center\*
- Summersville Readiness Center\*
- AASF #1 Apron Expansion/Rehabilitation and Taxiway Replacement\*
- Joint Interagency Training and Education Center
- Lewisburg Readiness Center
- Camp Dawson Runway Extension
- AASF #1 Taxiway Repair
- Camp Dawson Range Renovations
- Williamson Armory Wash Pad and Military Parking
- Engineering consultant for the Center for National Response/Ross Property Conceptual Site Layout
- Eleanor AFRC & CSMS Utility Location and Property Staking
- Camp Dawson Qualification Training Range Preliminary Design Drawings
- 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, PE, LEED AP  
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.

LEED Accredited Professional

## Professional Affiliations

American Society of Civil Engineers

American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

Timber Framers Guild

US Green Building Council



# Resume



FaLena R. Perry, E.I.T.  
Project Structural Engineer

## Education

University of Kentucky, (8/03-12/05).

Masters of Science in Civil Engineering,  
Structural emphasis.

University of Kentucky, (8/98-8/03).

Bachelors of Science in Civil Engineering,  
Structural emphasis.

## Professional Registration

Engineer In Training

## Professional Affiliations

Structural Engineers Association of Kentucky

American Concrete Institute

American Institute of Steel Construction

## Experience

500's on Main, Lexington, KY. 167,000 s.f. Mixed  
Use Development spanning a city block.

Kentucky Outdoor Arena and Hospitality Building.  
10,000 seat equestrian arena with hospitality  
suites.

MacAdam Student Observatory. Modularly con-  
structed steel frame observatory.

New Science Building, Eastern Kentucky University.  
180,000 SF Classroom and laboratory facility.





# RESUME

## **garyyoung** president

### **education**

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

### **employment history**

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

### **professional credentials**

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

### **civic affiliations**

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

### **personal and professional accomplishments**

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

### **highlighted construction experience**

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

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

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

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

Riverside High School  
Diamond, WV  
Construction Manager

# RESUME

## michaeldavis

vice president  
general manager

### education

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

### employment history

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

### professional credentials

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

### civic affiliations

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

### personal and professional accomplishments

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

### highlighted construction experience

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

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

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

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

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

# RESUME

## holliemassie chief estimator

### education

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

### employment history

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

### professional credentials

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

### personal and professional accomplishments

Coached youth softball and adult co-ed softball

### highlighted construction experience

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

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

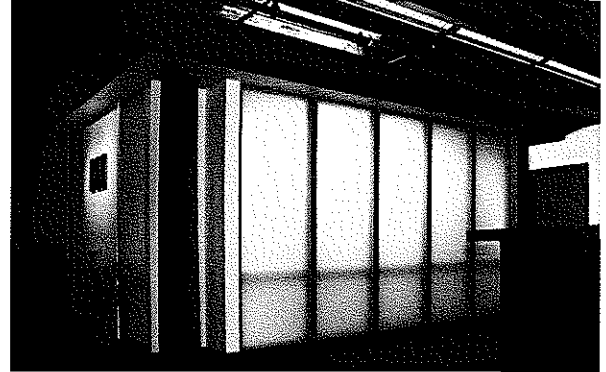
Weiser Office Building  
Scott Depot, WV  
14,500 S.F. New Facility  
General Construction

# Corporate Information

## Firm History

**Founded in 1981**, McKinley & Associates is a multi-discipline **full service Architectural & Engineering firm**, offering comprehensive **professional services in architecture, engineering, interior design and construction administration**. We have a broad range of skill and experience for projects involving medical, educational, governmental, commercial, religious and recreational operations. In January 2007, McKinley & Associates established a partial **Employee Stock Ownership Plan (ESOP)**, which is a benefit plan that gives our employees ownership of stock in our company. This is a **contribution to the employee**, not an employee purchase.

Charleston Area Alliance Building



McKinley &amp; Associates' Charleston Office

Washington Trust Building



McKinley &amp; Associates' Washington (PA) Office

## Firm Information

**David McKinley, PE**  
Principal

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

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

**Brad Crow, PE, LEED AP**  
Director of Engineering

## Date of Incorporation

**1981 Wheeling, West Virginia**

## Number of Professionals

<b>Total Size</b>	<b>40+</b>
<b>Architects &amp; Interns</b>	<b>12</b>
<b>Engineers</b>	<b>6</b>
<b>Construction Admins</b>	<b>4</b>
<b>Quality Control</b>	<b>2</b>
<b>Arch./Eng. Designers</b>	<b>11</b>
<b>Interior Designer</b>	<b>1</b>
<b>MIS</b>	<b>1</b>
<b>REFPs</b>	<b>3</b>
<b>LEED APs</b>	<b>4</b>

## Locations

### Headquarters

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

### Satellite Offices

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

### Washington Trust Building

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

The Maxwell Centre



McKinley &amp; Associates' Wheeling, West Virginia Office

## Credentials

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

# Qualifications

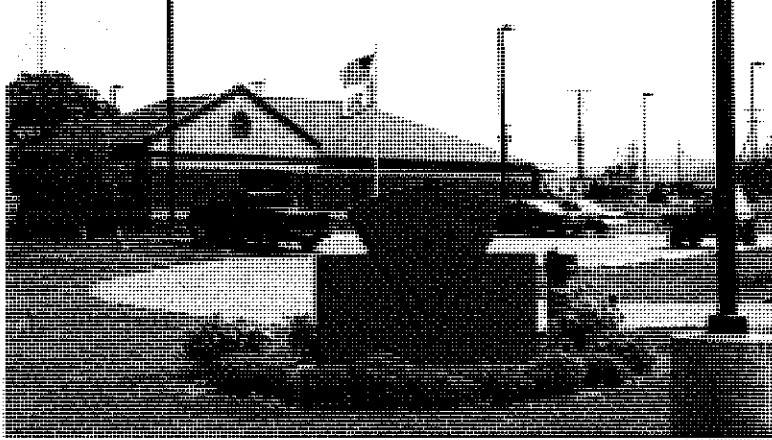
**F**ounded in 1981, McKinley & Associates has become generally accepted as the largest A/E firm in West Virginia. We provided design services for projects representing more than \$100,000,000 annually in construction value. We have a broad range of skills and experience for projects involving medical, religious,

educational, government agencies, manufacturers, commercial and recreational operations, as well as developers. In the past 10 years our firm has been awarded 4 prestigious AIA Honor and Merit Awards for our works.

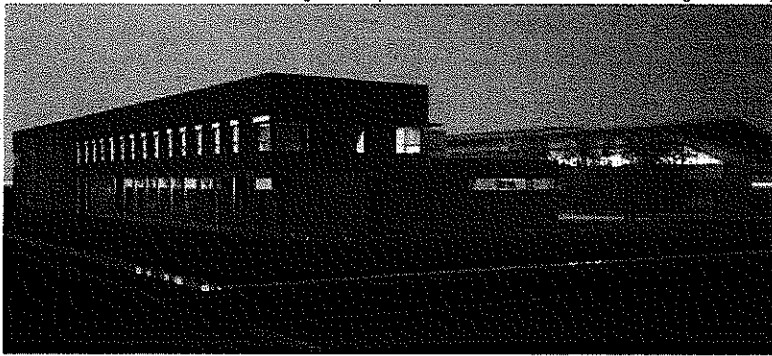
We understand your specialized facilities will have many different criteria to address; we have vast experience with permanent masonry type construction, brick and concrete block, concrete floors, metal roofs, two-story structures, mechanical and electrical equipment, parking, fencing, sidewalks, fire protection, outside lighting, access roads, security, storage, signage, flagpoles, loading ramps, HVAC, administrative / office space, work bays, as well as heated / unheated storage to name a few. We can handle the multi-purpose nature of these facilities. You might also have to address other criteria such as sensitivity to the people using the facility, safety and security, as well as cost and energy efficiency. With the team we have assembled, these will end up being cohesive, integrated, comfortable, healthy and flexible environments that are paramount attributes to provide for a serviceable facility.

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

West Virginia State Police - Mason County Detachment



West Virginia Army National Guard - Mountaineer Challenge Academy



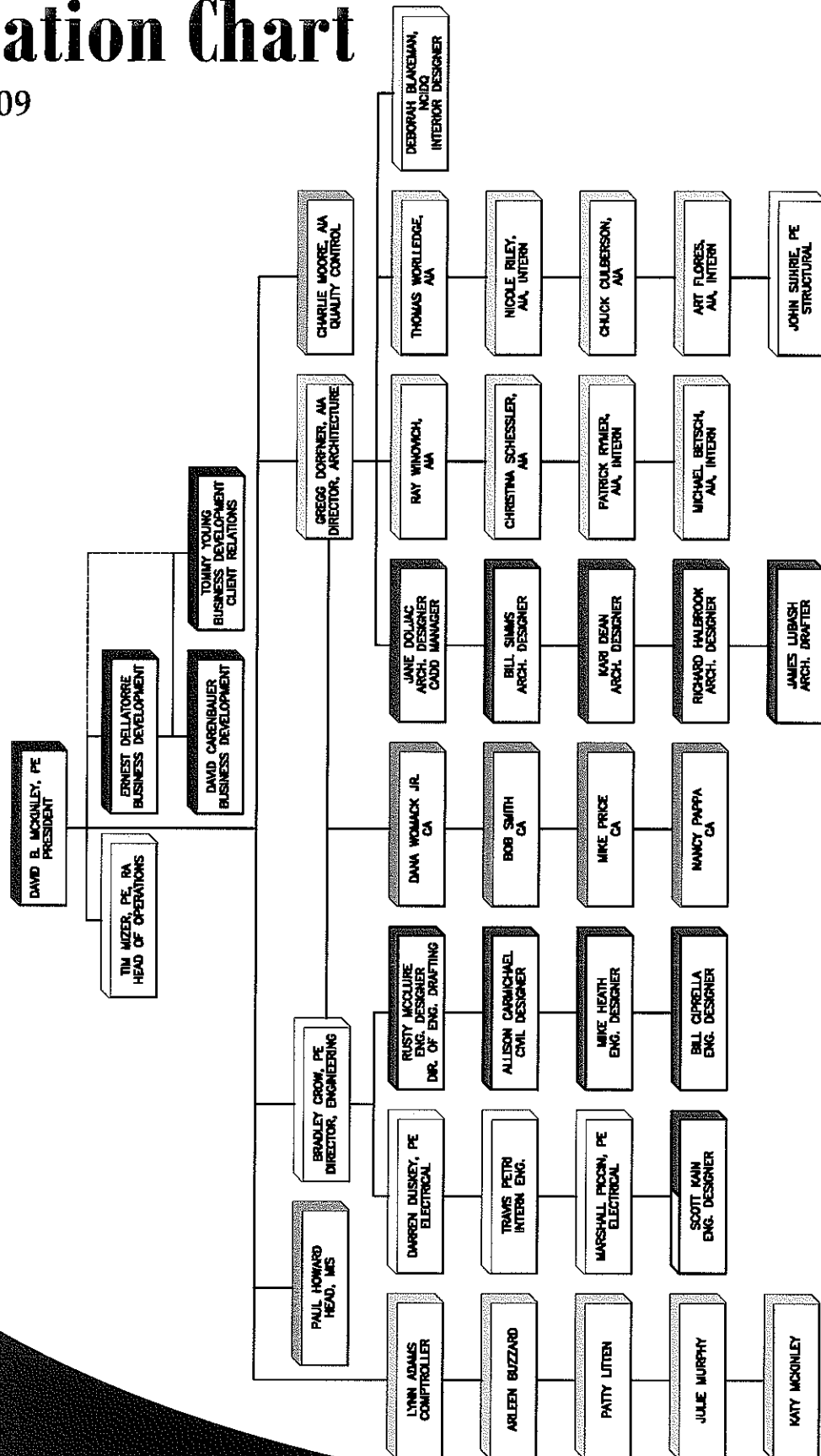
West Virginia University - State Fire Training Academy



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

# Organization Chart

Revised 11-9-09



# 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.

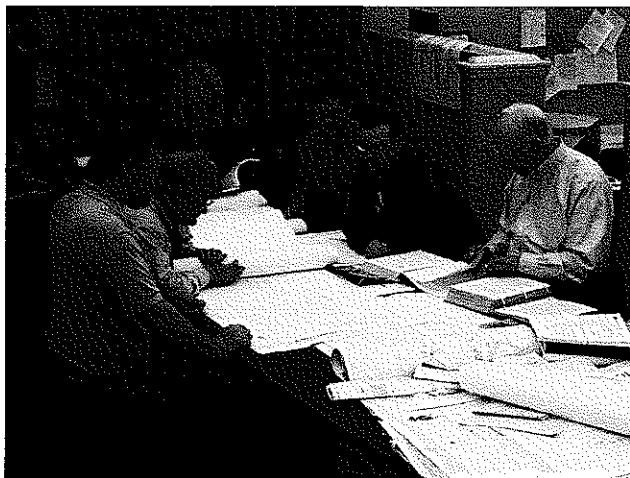
As the schematic/concept plans are developed, the Project Manager typically presents the plans for review and comments to a plan group depending on the nature of the work; e.g. engineers commenting on the engineering and architects critiquing the architecture. Once a consensus is reached, the plans advance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

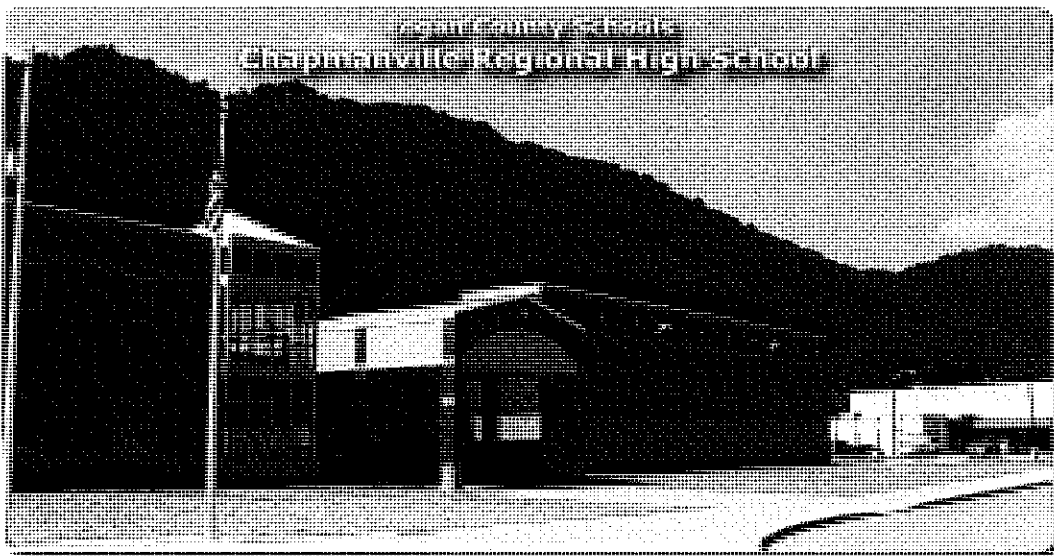
During the subsequent phases of design, all items are checked by persons other than those performing the daily design work in order to provide fresh insight. Prior to the final release of the documents, revisions are checked by the project manager and appropriately referenced on the drawings. Copies 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.

# Cost Effective Design



- Most Cost Effective New School Design in the Past 4 Years
- CRHS's final price ~ \$158.41/SF – source: SBAWV (includes site development, building construction, and all FF&E)
- New High School State Average in 2005 ~ \$188.26/SF
- 138,500 Square Feet
- Total Non-Owner Change Orders – 0.65%



- SBA's 2009 Limit on New Elementary School Design ~ \$217/SF
- Hilltop Elementary's final price ~ \$167/SF (includes site development, building construction, and all FF&E)
- 49,700 Square Feet
- Total Non-Owner Change Orders – 0.83%
- Construction complete with potential LEED Silver Certification



# Construction Administration & On-Site Representation

**Observe the Construction Progress**

**Liaison between the Owner, Contractor, and Architect**

**Responsible for All Construction Meetings and Minutes**

**Monitor the Construction Schedule**

**Ensure that the Contractor is Following the Construction Documents**

**Verify Pay Application and Change Orders**

**Typically On-Site Once Every Two Weeks**

**(Provide Additional On-Site Representation if Requested)**



Our Project Coordinators have an extra responsibility than what most firms' Construction Administrators have; our Project Coordinators are a part of the design process from **Day 1** (they are not thrown into the project only when construction starts; they are here from the beginning), so they know the ins-and-outs of the project. Our Project Coordinators have an important role as being the **liaison between the Owner, Contractor, and Architect**. The primary objective of the Project Coordination services is to ensure completion of work the way the client wants it - **as scheduled and as budgeted**. Our Project Coordinators evaluate the quality of the work to verify that it meets the level required by clients; in addition, they monitor the contractor's progress to ensure that they are following the Construction Documents. They observe the construction progress, are responsible for all construction meetings and minutes, and they verify pay application and change orders. The Project Coordinator is typically on-site once every two weeks, but we can provide additional on-site representation if requested.

# Interior Design

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

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

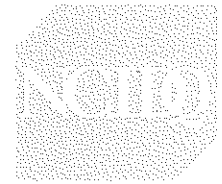
Application of current ADA and building codes will be applied to the developed plans for way finding (signage, directories, fire escape plan), furnishings and finishes. Attention to budget and maintenance is given in relationship to owner needs.

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

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



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



National Council for  
Interior Design Qualification

# Leadership in Energy and Environmental Design



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, and we have LEED Accredited Professionals (LEED AP and LEED AP BD+C) in both the architectural and engineering fields. We have **4 LEED Accredited Professionals** on staff, along with our skilled architectural/engineering team, who will 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.

We have **4 LEED® Accredited Professionals** on staff (including the Project Manager for your proposed project) in **both the architectural and engineering fields:**

Michael S. Betsch, LEED AP

Bradley A. Crow, PE, LEED AP

Christina Schessler, AIA, LEED AP

Thomas R. Worlledge, AIA, LEED AP BD+C, REFP (**Your Project Manager**)

Our **LEED Registered Projects** are (LEED Rating System in parentheses):

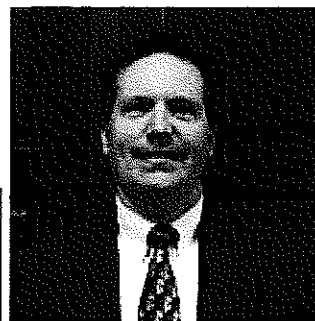
Bellann in Oakhill, WV (LEED EB O&M)

Cameron Middle School/High School in Cameron, WV (LEED for Schools 2.0)

Hilltop Elementary School in Sherrard, WV (LEED for Schools 2.0)

West Virginia State Office Building in Logan, WV (LEED NC 2.2)

All 4 of our LEED Registered Projects are either under construction or under design with potential **LEED Certification** (Bellann) or potential **LEED Silver Certification** (Cameron Middle School/High School, Hilltop Elementary School, and the West Virginia State Office Building).



The LEED AP Specialty Logos signify advanced knowledge in green building practices and specialization in a particular field. The LEED AP BD+C represents specialization in commercial design and construction.

Thomas R. Worlledge, AIA, LEED AP BD+C, 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.

# Sustainable "Green" Design

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

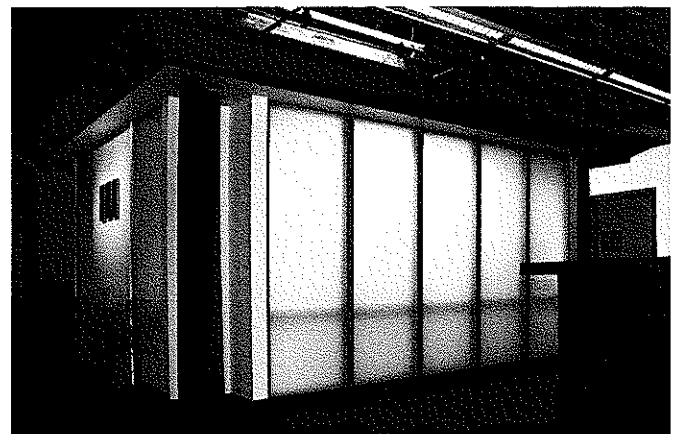
McKinley approaches ecological design from a business perspective, offering **proactive** solutions to complex problems such as indoor air quality, energy efficiency, resource depletion, and water quality. With commercial and institutional project experience, the McKinley Team can work alongside local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

Our Philosophy is to provide our clients with experienced leadership as well as state-of-the-art and **innovative** design expertise to accomplish the goals of your projects. Function, economics and versatility, in addition to the development of **strong aesthetic appeal**, are crucial elements in our design process. We also believe that enhancement of the physical environment in which each individual lives and works should add significantly to the enjoyment of life. Our firm has dedicated our professional skills to attain these goals.

Hilltop Elementary School is one of our many projects that we designed using **energy efficient and sustainable designs** approaches. It was not until after construction had commenced that the Owner decided to submit for LEED certification. This required a great deal of coordination with the architects, engineers, subcontractors and suppliers. Since we incorporated **good sustainable design practices** from the beginning, this allowed for an easy transition, and for the project to be successfully completed in July 2009.



McKinley and Associates has been honored to have won some very notable awards and to have received some very prestigious nominations over the years. We recently won a **West Virginia Chapter of the American Institute of Architects 2009 Merit Award** for our newly renovated Charleston Office; a project led by Thom Worlledge.



View of our award-winning Charleston Office renovation showing our centrally located conference room "Lantern." This glows all day long through the translucent walls, which are illuminated with natural daylight from a skylight above

# 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.

We recently won a West Virginia Chapter of the American Institute of Architects 2009 Merit Award for our newly renovated Charleston Office. The first thing you will notice is we left most of the existing structure exposed; this minimizes the amount of new materials required to define the space and allowed us to utilize some special features. For example, our centrally located conference room "Lantern" glows all day long from natural sunlight from above. This room's ceiling acts as a reflector, bouncing natural light throughout the space.



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



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

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

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

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

# Mountaineer Challenge Academy WV Army National Guard

Kingwood, West Virginia

Owner

WV Army National Guard

Size

54,800 SF approx.

Construction Cost

\$12.7 million

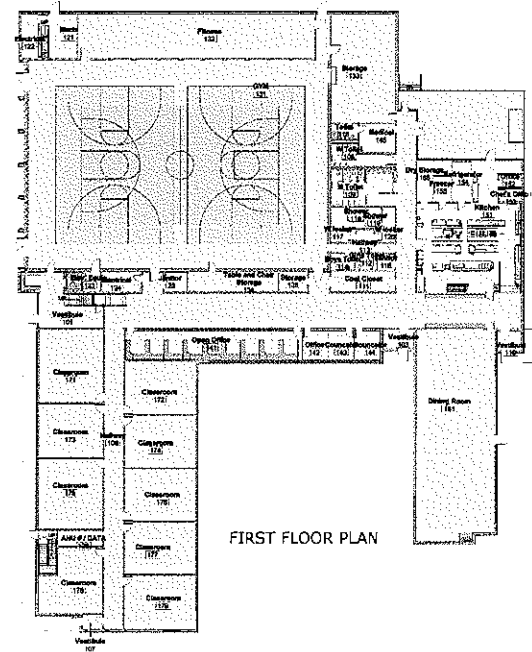
Project Architect

Hamid Noughani

Project Engineers

McKinley & Associates

Currently under construction is the Mountaineer Challenge Academy, located at Camp Dawson in Kingwood, WV. Our involvement in this project includes MEP engineering and contract administration. The building program includes staff offices, counselors offices, support staff areas and a medical assistance space to accommodate the needs of the student residents.



The residents require classrooms, an exercise area and a full service kitchen with dining facility; these spaces will house 160 young adults living at Camp Dawson as part of the Challenge Academy. The gymnasium will accommodate physical activity, weight training and serves as the central hub of the complex. Drill exercises and formations as well as graduation ceremonies will be held here.



# Multi-Purpose Building at Camp Dawson WV Army National Guard

Kingwood, West Virginia

Owner

WV Army National Guard

Size

55,000 SF approx

Project Architect

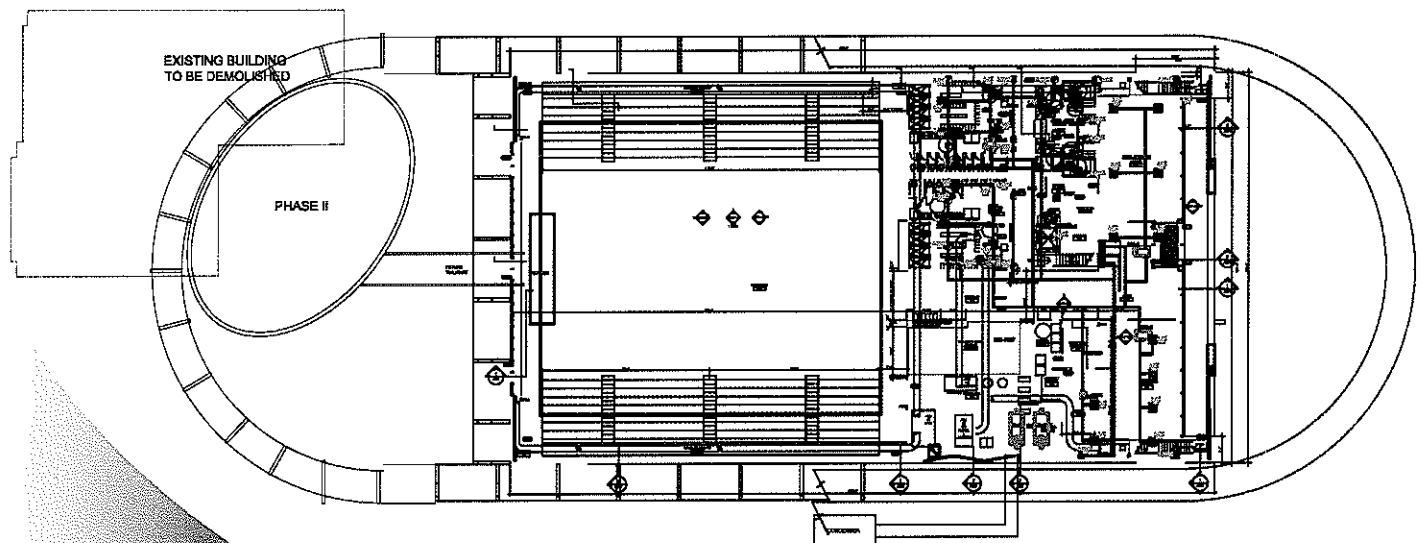
Hamid Noughani

Project Engineers

McKinley & Associates

The mission of the Multi-Purpose Building at Camp Dawson is a permanent multi-use masonry steel-framed structure with supporting facilities for military units of the West Virginia Army National Guard. The facility is located in Kingwood, Preston County, WV. The building's design was completed in 2009.

The facility houses offices, a conference room, a locker room, shower facilities, a physical fitness area, and a large open space (gymnasium). The facility and grounds include parking, attached and detached storage, landscaping, security lighting and fencing, and a unique entry. This project was designed with energy recovery systems.



# West Virginia State Police

Owner  
West Virginia State Police

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

Project Architects-Engineers  
McKinley & Associates



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



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



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



These photographs are illustrative. West Virginia includes the following departments: DMV, MVI, BCI, 911, Engineering District, County Sheriff's Department, BCI & regular squad space.



For the past 10 years, we have been honored to have multiple open-ended contracts with the WVSP. We have completed architectural and engineering design services on new detachments in Morgantown, Wheeling and Berkeley, West Virginia to name a few. Moreover, we also have completed numerous renovations as well as additions on police detachments throughout the State

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



# Jackson County Detachment West Virginia State Police

Ripley, West Virginia

Owner

West Virginia State Police

Size

2,231 SF

Construction Cost

\$550,000

Project Architects-Engineers

McKinley & Associates

Project Manager

Patrick J Rymer, Assoc AIA

Contractor

Flint Construction Co



The Project consists of a 1,078 square foot single-story detachment office addition, and a 1,153 square foot single-story renovation with associated parking areas. The detachment includes an office for the District Sergeant, an office for the Detachment Commander, evidence room, interview room, squad room, day room, kitchen, garage, file room, and more



The work included site work, asphalt parking areas, concrete sidewalks, concrete foundations, concrete block walls, brick veneer, slab on grade first floor, conventional wood framing, snap lock panel metal roofing, gypsum assemblies and acoustical tile ceilings as well as associated mechanical and electrical work.

# New Logan Detachment West Virginia State Police

Logan, West Virginia

Owner

West Virginia State Police

Size

13,000 SF approx

Construction Cost

\$4.5 mil

Project Architects-Engineers

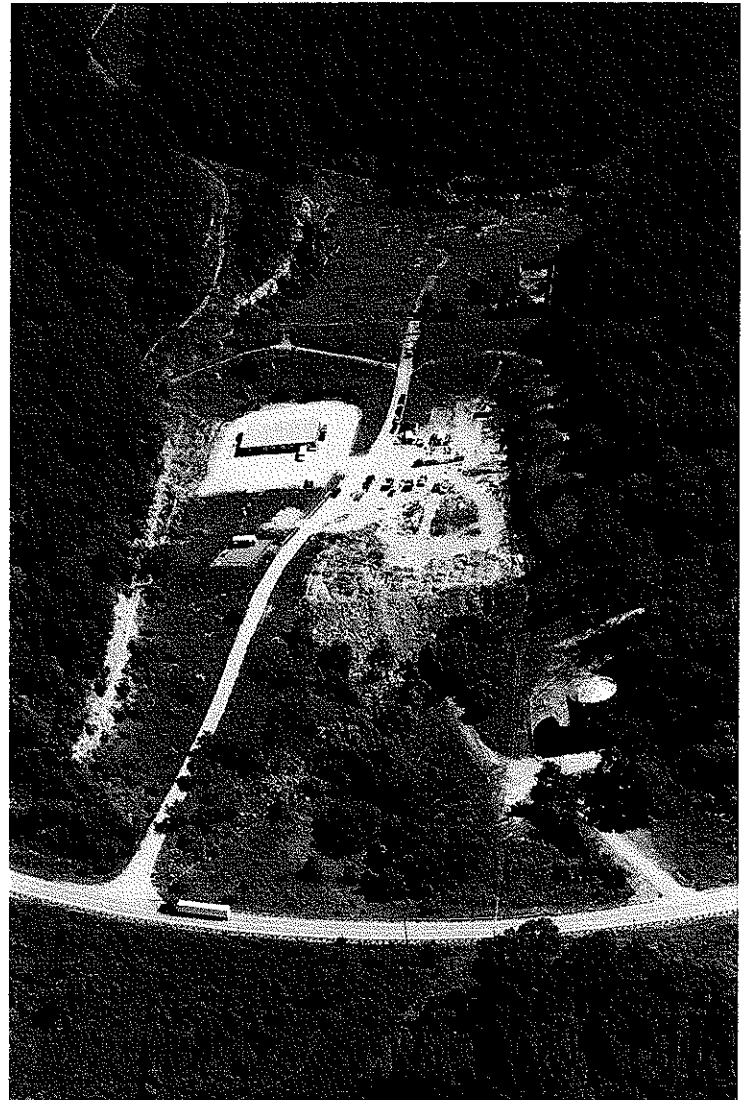
McKinley & Associates

Project Architect

Thomas R Worlledge, AIA



A New detachment in Logan County, which includes a Commander's office, Assistant Commanders' offices, squad bay for 25 Troopers w/workstations, receptionist area, file room, dayroom, evidence room, 30 trooper lockers, a two bay garage, conference rooms, processing room, witness interview room, radio and computer rooms, and commons spaces. Construction will commence in the Summer of 2010.



Proposed site for the New Logan Detachment

This is the first time Insulated Concrete Forms (ICF) have been used for State Police Buildings. ICF's are an almost perfect fit for the detachments they are cost effective to construct, energy efficient, and secure. The Detachment also uses a daylight clearstory to let daylight into the internal squad and conference rooms.

The site required close coordination with the Department of Highways because the DOH will be placing their building on the same site later this year.

# United States Postal Service

## Owner

United States Postal Service

## Construction Cost

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

## Project Architects-Engineers

McKinley & Associates



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

In addition to West Virginia, we also have an open-end agreement for the USPS Erie/Pittsburgh District in Pennsylvania.

# Wheeling Island Fire Station

Wheeling, West Virginia

Owner  
City of Wheeling

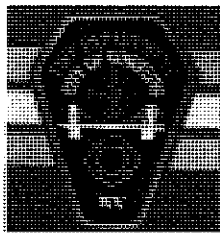
Size  
8,000 SF approx

Construction Cost  
\$1.3 mil.

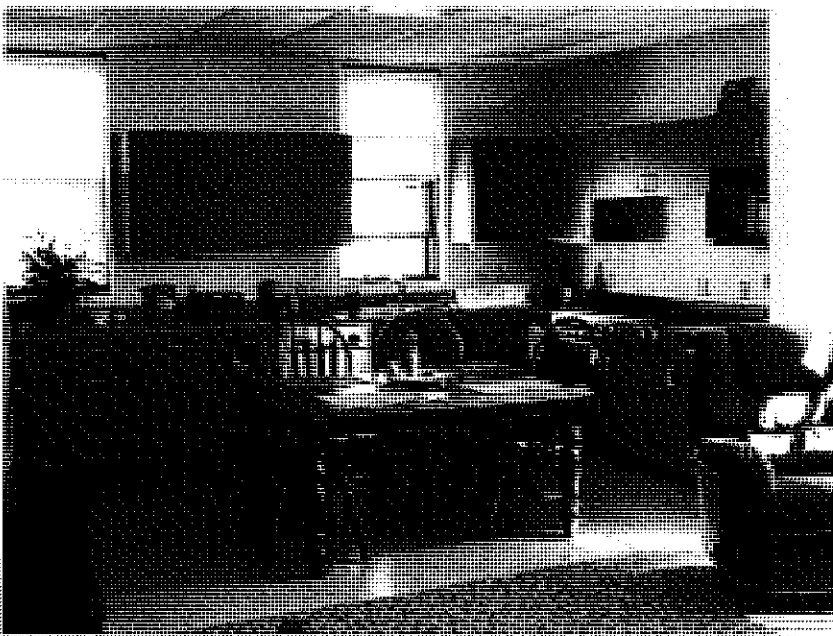
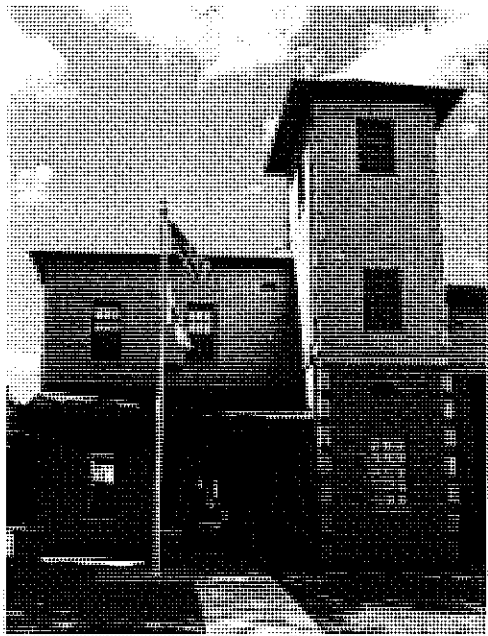
Project Architects-Engineers  
McKinley & Associates

Project Architect  
Christina Schessler, AIA, LEED AP

Contractor  
Walters Construction



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





# State Fire Training Academy West Virginia University

Jackson's Mill, West Virginia

Owner

West Virginia University

Size

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

Construction Cost

\$4.5 mil

Project Architects-Engineers

McKinley & Associates

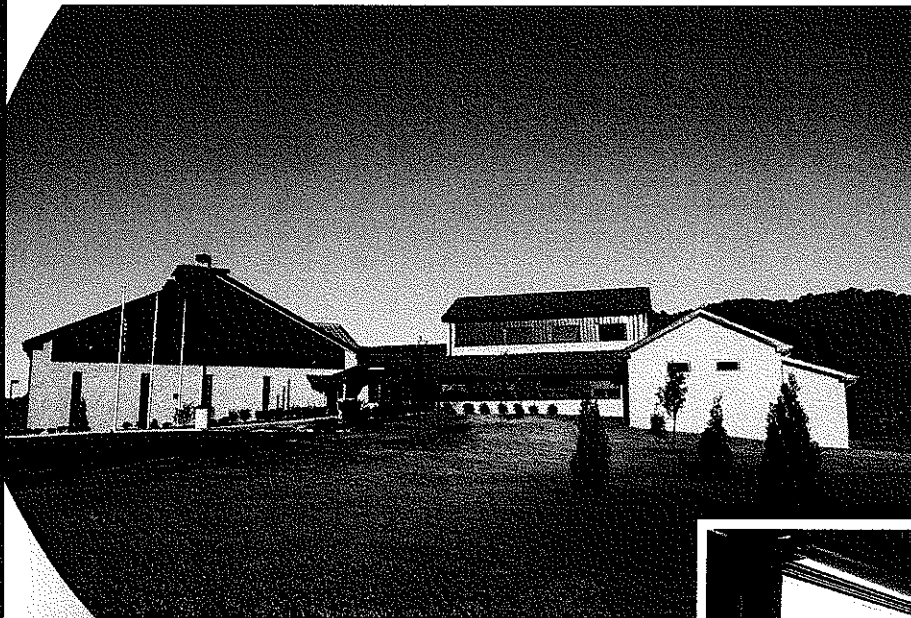
Project Architect

Christina Schessler, AIA, LEED AP

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 8,300 square foot 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.



# Institute of Technology: Maclin Hall West Virginia University

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 Worlledge, AIA

## Contractor

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.



# Serbian-American Cultural Center

**Weirton, West Virginia**

**Owner**

Serbian-American Cultural Center

**Size**

24,000 SF

**Construction Cost**

\$2 million

**Project Architects-Engineers**

McKinley & Associates

**Project Architect**

Charles Moore, AIA

**Contractor**

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

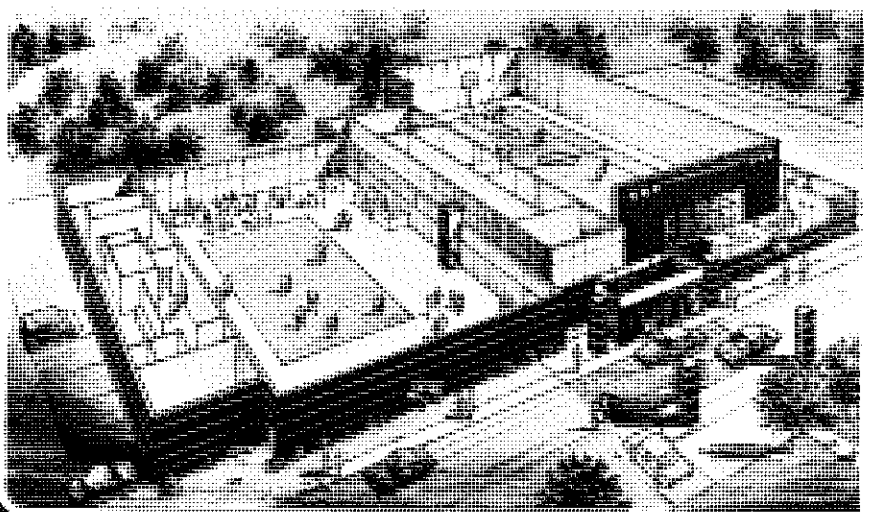
project also included full locker rooms

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.



# West Virginia State Building

Logan, West Virginia

Owner  
State of West Virginia

Size  
50,000 SF approx.

Construction Cost  
\$12 million

Project Architects-Engineers  
McKinley & Associates

Project Architect  
Thomas R. Worledge, AIA, LEED AP



We are nearing completion of the design phase on this \$12 million project for the West Virginia General Services Division. This 5 story, 50,000 SF (not including basement area) State Office Building is intended to consolidate office space of state agencies currently located in Logan, West Virginia as well as provide moderate space for future customers. This office building will be part of a new generation of State office buildings that will provide flexibility for future growth and/or office renovations and be cost effectively adaptable when relocating other agencies into the space. The State of West Virginia has chosen to try and achieve a **silver Leadership in Energy and Environment Design (LEED NC 2.2)** rating as awarded by the US Green Building Council (USGBC) for the new office structure.





# References

*WEST VIRGINIA STATE POLICE*

*(Open-Ended Contract)*

First Sergeant Rick Pursley

4124 Kanawha Turnpike

South Charleston, WV 25309

304/746-2253

*UNITED STATES POSTAL SERVICE*

*(Indefinite Quantity Contract 362575-06-J-0388 - Statewide in West Virginia)*

*(Indefinite Quantity Contract 362575-09-J-0232 - Erie/Pittsburgh District in Pennsylvania)*

Mr. Don Mackey

27497 Albert Pick Road

Greensboro, NC 27498

304/665-2894

*WEST VIRGINIA UNIVERSITY*

*(Open-End Architectural / Engineering Services contract)*

Mr. Robert Moyer

979 Rawley Lane

Morgantown, WV 26506

304/293-2873

*STATE OF WEST VIRGINIA*

*DEPARTMENT OF ADMINISTRATION*

Robert P. Krause, PE, AIA

1900 Kanawha Boulevard East

Charleston, WV 25305

304/558-9018

# Client Testimonials

*Rick Pursley* First Sergeant

## **West Virginia State Police**

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

*David Sneed* Architectural Director

## **School Building Authority**

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

*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."*



## ***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 USPFO. 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 20 National Guard projects in West Virginia.
- Management team has 30+ years and over 60 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.

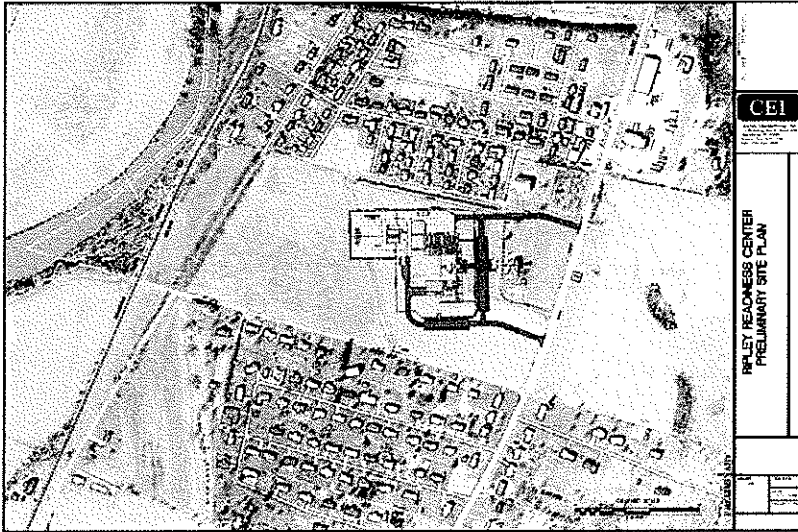
## **Quality Control Procedures**

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

Jackson County  
Armed Forces Reserve Center  
Site and Civil Design

## Site Location

Millwood  
Jackson County, WV

## Client

ZMM, Inc.  
Architects and Engineers  
Charleston, WV

## Project Description

The Jackson County Armed Forces Reserve Center Project includes a Readiness Center and an Organizational Maintenance Shop (OMS). The complex consists of over 65,000 square feet of heated space, additional unheated storage and approximately 23,000 square yards of rigid and flexible paving. The new facility occupies the 350 acre tract formerly owned by the Order of the Eastern Star in Millwood, Jackson County. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project, as well as construction administration for the sitework.

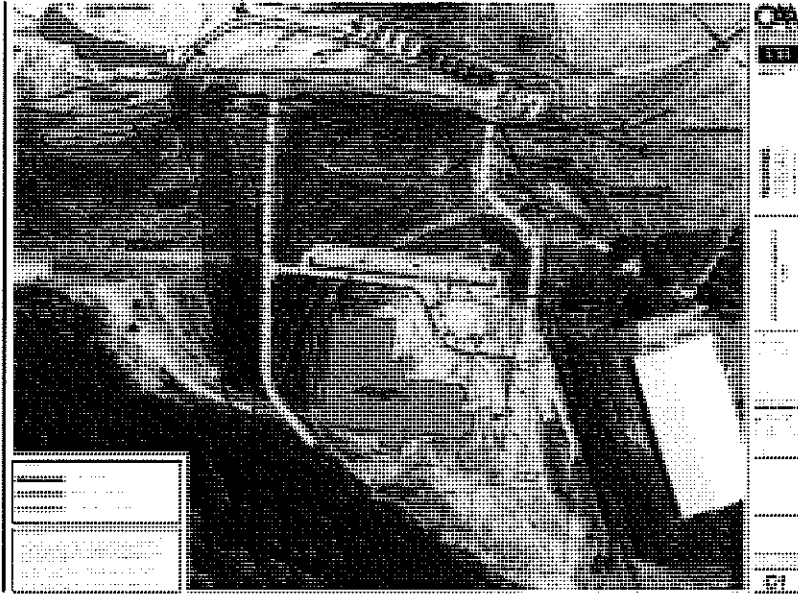
The project included the following major design elements:

1. Utilities
  - a. Water line extension
  - b. Sanitary sewer system
  - c. Gas line extension
  - d. Electric and telephone service
2. Access roads and vehicle facilities
  - a. 11,800 SY Concrete paving
  - b. 15,000 SY Asphalt paving
  - c. Vehicle wash facility
  - d. Multiple secure motor pool areas
  - e. Multiple access roads and POV parking lots
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. Utility and stormwater easement acquisition assistance

# PROJECT EXPERIENCE



## Project Title

Fairmont  
Armed Forces Reserve Center  
Site and Civil Design

## Site Location

Fairmont, Marion County, WV

## Client

Omni Associates  
Fairmont, WV

## Project Description

The Fairmont Armed Forces Reserve Center Project includes a Readiness Center, civic arena, and a unit maintenance shop. The complex consists of over 70,000 square feet of heated space, additional unheated storage and approximately 31,000 square yards of rigid and flexible paving. The facility occupies a 35 acre tract in the proposed Suncrest Development of East Fairmont. Capitol Engineering, Inc. (CEI) performed all of the site investigation and site/civil design aspects of the project.

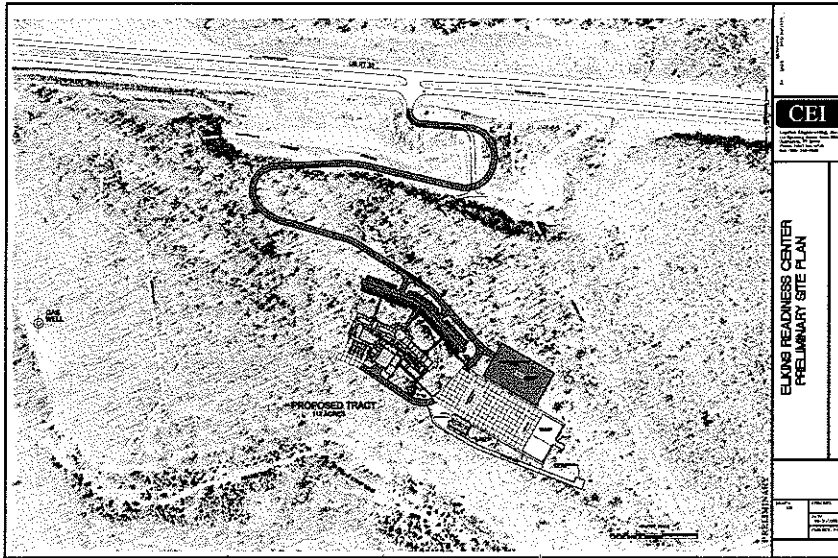
The project included the following major design elements:

1. Utilities
  - a. Water line extension
  - b. Sanitary sewer system extension
  - c. Gas line relocation
  - d. Electric and telephone service
2. Access roads and vehicle facilities
  - a. 14,400 SY concrete paving
  - b. 27,000 SY asphalt paving
  - c. Vehicle wash facility
  - d. Multiple secure motor pool areas
  - e. Multiple access roads and POV parking lots
3. General site features
  - a. Earthwork and erosion control
  - b. Storm drainage system and multiple detention facilities
  - 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. Preliminary subsurface investigation/constructability study
4. Geotechnical investigation and laboratory testing
5. Utility, grading, and stormwater easement acquisition assistance

# PROJECT EXPERIENCE



## Project Title

Elkins  
Armed Forces Reserve Center  
Site and Civil Design

## Site Location

Harding, Randolph County, WV

## Client

ETB Architects  
Princeton, WV

## Project Description

The Elkins Armed Forces Reserve Center Project includes a Readiness Center, expanded drill hall, and a unit maintenance shop. The complex consists of over 65,000 square feet of heated space, additional unheated storage and approximately 22,000 square yards of rigid and flexible paving. The facility occupies a 112-acre tract between US Route 33 and the Tygart Valley River approximately five miles west of Elkins, Randolph 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.

The project includes the following major design elements:

1. Utilities
  - a. Water line extension
  - b. Sanitary sewer system, pump station, force main
2. Access roads and vehicle facilities
  - a. 8,800 SY Concrete paving
  - b. 14,000 SY Asphalt paving
  - c. Vehicle wash facility
  - d. Multiple secure motor pool areas
  - e. Multiple POV parking lots
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. Easement and right-of-way acquisition assistance



# PROJECT EXPERIENCE



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

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

**Client**  
ZMM, Inc.  
Architects and Engineers  
Charleston, WV

## **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.

The project included the following major design elements:

1. Utilities
  - a. Water line extension
  - b. Sanitary sewer system
  - c. Existing gas line relocation
  - d. Gas, electric, telephone and cable television service
2. Access roads and vehicle facilities
  - a. 21,000 SY Concrete paving
  - b. 11,000 SY Asphalt paving
  - c. Vehicle wash facility
  - d. Fuel storage and dispensing system
  - e. Multiple secure motor pool areas
  - f. Multiple POV parking lots
  - g. 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. Mine subsidence investigation
5. Utility and construction easements

# PROJECT EXPERIENCE



## Project Title

Summersville Readiness Center  
Site and Civil Design

## Site Location

Summersville, Nicholas County, WV

## Client

S E M Architects  
Columbus, OH

## 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.

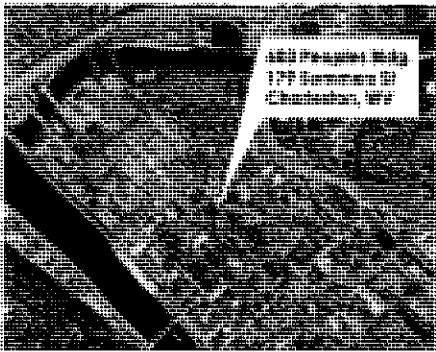
The project includes the following major design elements:

1. Utilities
  - a. Water line extension
  - b. Sanitary sewer system
  - c. Existing gas line relocation
  - d. Gas, electric, telephone and cable television service
2. Access roads and vehicle facilities
  - a. 11,000 SY Concrete paving
  - b. 10,000 SY Asphalt paving
  - c. Vehicle wash facility
  - d. Fuel storage and dispensing system
  - e. Multiple secure motor pool areas
  - f. Multiple POV parking lots
  - g. 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. Easement and right-of-way acquisition

# Background



## Moment Engineers, Inc.

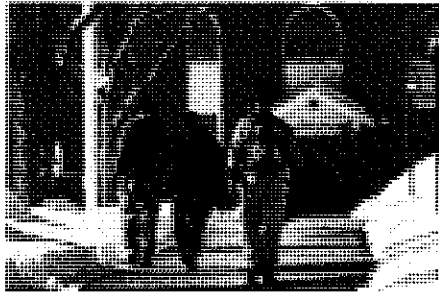
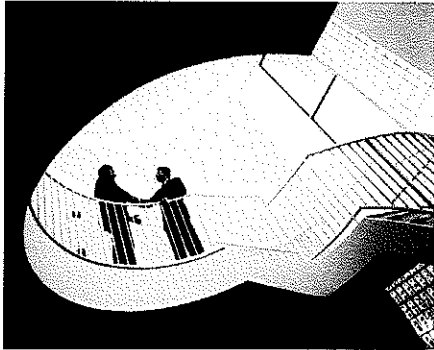
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 2005.

Since 1993, 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 exceed a half billion dollars. This 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 staff's experience encompasses a wide variety of building types and sectors, and our expertise includes design analysis for steel, concrete, masonry, and wooden structures.

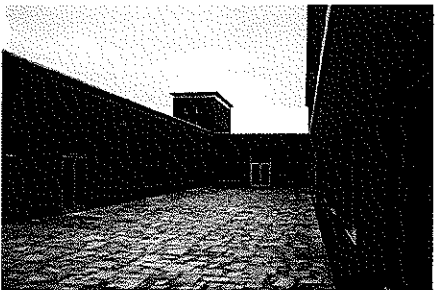
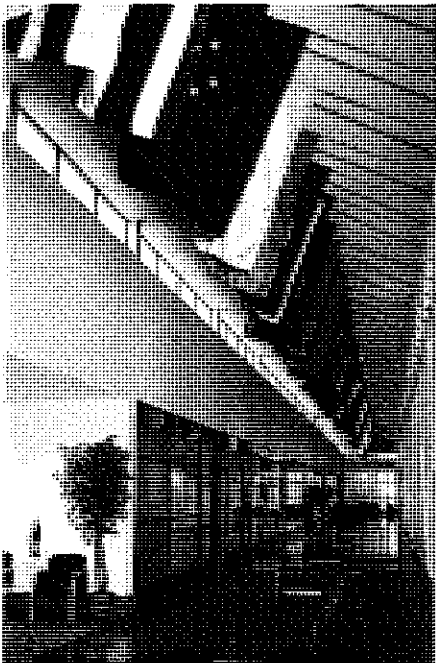
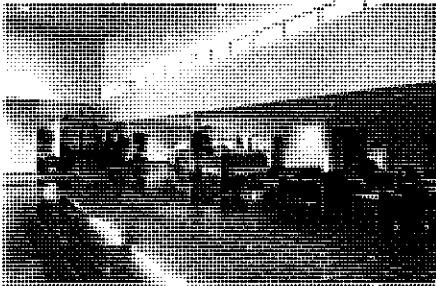
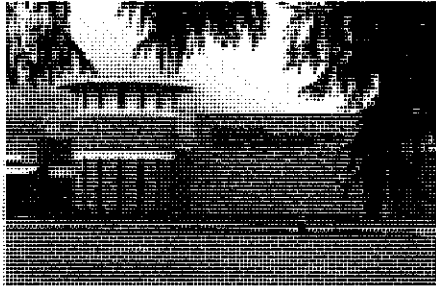


# Approach



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

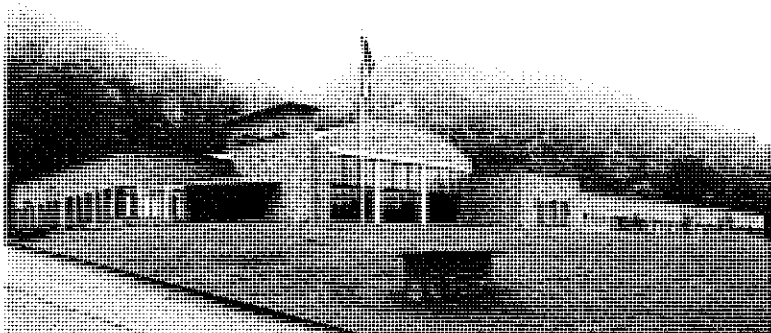
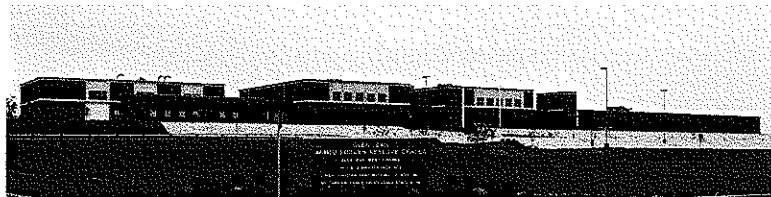
Armed Forces Reserve Center - Camp Dawson, WV

Armed Forces Reserve Center - Glen Jean, WV

Construction & Facilities Management Office -  
Charleston, WV

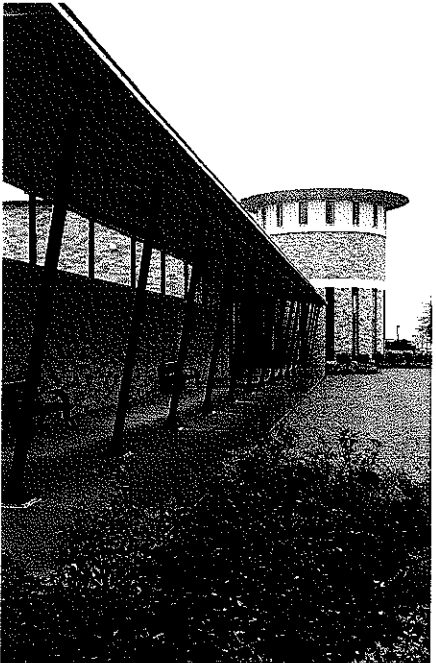
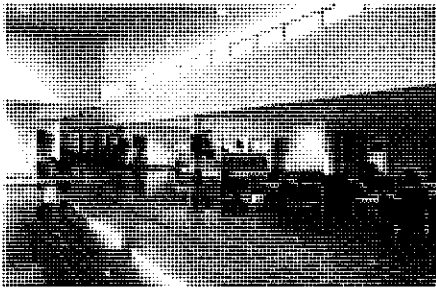
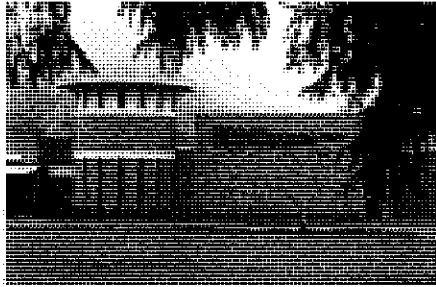
Mountaineer Challenge Academy - Camp Dawson, WV

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.



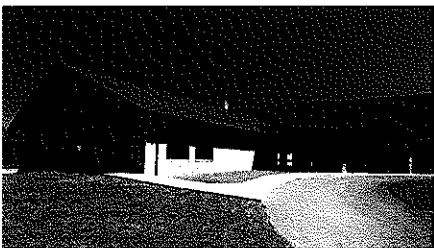
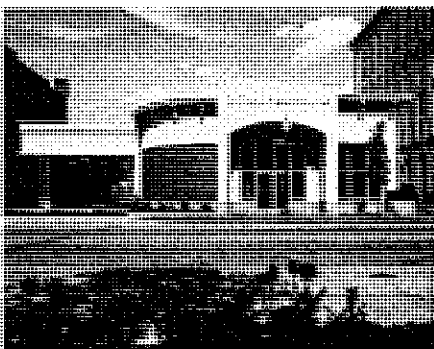
 **MOMENT**  
engineers, inc.

## Sample Project



## Robert C. Byrd Regional Training Institute

The Regional Training Institute at Camp Dawson is a new 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 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



**construction management &  
cost estimating services**

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

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

**Construction Management Services:**

Our construction management services typically begin during design and include:

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

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

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



## **Cost Estimating Services:**

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

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

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

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

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



*It's above the Standard.*



# Teays Valley Christian School

"Equipping students for God's purposes."



Jack Davis, MA  
Principal

*A ministry of The Scott Depot Christ Fellowship*

Dr. Rodney Taylor, Ed. D.  
President

October 26, 2006

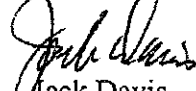
To Whom It May Concern,

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

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

Thank you for considering these remarks.

Sincerely,

  
Jack Davis  
Principal

