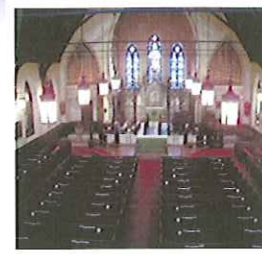
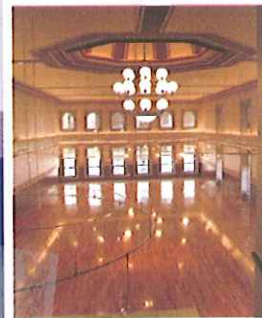
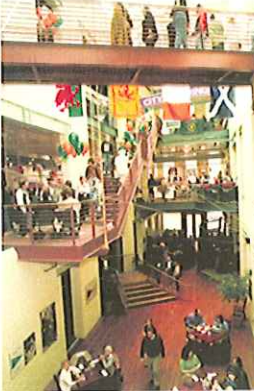


# WEST VIRGINIA STATE POLICE



**DPS1203**

**Old Medical Examiner Officer (ME)  
Renovation Project**

**September 13, 2011  
1:30 PM**



RECEIVED  
2011 SEP 13 AM 10:28  
WV PURCHASING  
DIVISION



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



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  
**DPS1203**

PAGE  
**1**

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

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE  
 \*709060537  
 McKinley & Associates  
 The Maxwell Center / Suite 100  
 32 Twentieth Street  
 Wheeling, WV 26003

SHIP TO

WEST VIRGINIA STATE POLICE  
 4124 KANAWHA TURNPIKE  
 SOUTH CHARLESTON, WV  
 25309 304-746-2141

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/10/2011				

BID OPENING DATE: **09/13/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WV STATE POLICE, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES TO RENOVATE THE OLD MEDICAL EXAMINER BUILDING AT THE WV STATE POLICE HEADQUARTERS LOCATED AT 725 JEFFERSON ROAD SOUTH CHARLESTON, WV 25309, PER THE ATTACHED BID REQUIREMENTS AND SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO TARA LYLE VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT TARA.L.LYLE@WV.GOV.</p> <p>DEADLINE FOR ALL TECHNICAL QUESTIONS IS 8/26/2011 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Thomas J. Young</i>	TELEPHONE (304) 340-4267	DATE 9/9/11
TITLE Dir. of Client Relations	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

### Request for Quotation

RFQ NUMBER
DPS1203

PAGE
2

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

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE  
 \*709060537  
 McKinley & Associates  
 The Maxwell Center / Suite 100  
 32 Twentieth Street  
 Wheeling, WV 26003

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 4124 KANAWHA TURNPIKE  
 SOUTH CHARLESTON, WV  
 25309 304-746-2141

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/10/2011				

BID OPENING DATE: 09/13/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<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> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION            PURCHASING DIVISION            BUILDING 15            2019 WASHINGTON STREET, EAST            CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER:-----TL/32-----</p> <p>RFQ. NO.:-----DPS1203-----</p> <p>BID OPENING DATE:-----09/13/2011-----</p> <p>BID OPENING TIME:-----1:30 PM-----</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Thomas S. Young</i>	TELEPHONE (304) 340-4267	DATE 9/9/11
TITLE Dir. of Client Relations	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

# Request for Quotation

RFQ NUMBER  
**DPS1203**

PAGE  
**3**

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

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE  
 \*709060537  
 McKinley & Associates  
 The Maxwell Center / Suite 100  
 32 Twentieth Street  
 Wheeling, WV 26003

SHIP TO

WEST VIRGINIA STATE POLICE  
 4124 KANAWHA TURNPIKE  
 SOUTH CHARLESTON, WV  
 25309 304-746-2141

DATE PRINTED <b>08/10/2011</b>	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **09/13/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				(304) 340-4269		
CONTACT PERSON (PLEASE PRINT CLEARLY):						
Thomas L. Young, REFP						
***** THIS IS THE END OF RFQ DPS1203 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Thomas L. Young</i>	TELEPHONE <b>(304) 340-4267</b>	DATE <b>9/9/11</b>
TITLE <b>Dir. of Client Relations</b>	FEIN <b>55-0696478</b>	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

# Request for Quotation

RFQ NUMBER  
**DPS1203**

PAGE  
**1**

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

RFQ COPY

TYPE NAME/ADDRESS HERE

\*709060537  
 McKinley & Associates  
 The Maxwell Center / Suite 100  
 32 Twentieth Street  
 Wheeling, WV 26003

SHIP TO

WEST VIRGINIA STATE POLICE  
  
 4124 KANAWHA TURNPIKE  
 SOUTH CHARLESTON, WV  
 25309 304-746-2141

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/22/2011				

BID OPENING DATE: **09/13/2011** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
1. BLANK ODD NUMBERED PAGES BEGINNING WITH PAGE 5 AND ENDING WITH PAGE 25 WERE INADVERTENTLY ADDED TO THE EOI DOCUMENT. THE EVEN NUMBERED PAGES BEGINNING WITH PAGE 4 THROUGH 24 ARE CORRECT. THE BLANK ODD NUMBERED PAGES SHOULD BE IGNORED. 2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
END OF ADDENDUM NO. 1						
0001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
***** THIS IS THE END OF RFQ DPS1203 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Thomas L. Young* TELEPHONE: (304) 340-4267 DATE: 7/19/11  
 Title: Dir. of Client Relations FEIN: 55-0696478 ADDRESS CHANGES TO BE NOTED ABOVE

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

EXHIBIT 10

REQUISITION NO.: .....

ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED  
ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY  
PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

ADDENDUM NO.'S:

NO. 1  .....

NO. 2 .....

NO. 3 .....

NO. 4 .....

NO. 5 .....

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE  
ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR  
MUST CLEARLY UNDERSTAND THAT ANY VERBAL  
REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY  
ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES  
AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE  
INFORMATION ISSUED IN WRITING AND ADDED TO THE  
SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

*Thomas L. Young*  
.....  
SIGNATURE

McKinley & Associates  
.....  
COMPANY

September 9, 2011  
.....  
DATE

RFQ No. DPS1203

STATE 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 owed 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 & Associates

Authorized Signature: *[Signature]* Date: September 9, 2011

State of West Virginia

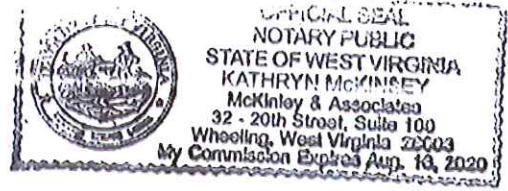
County of Ohio, to-wit:

Taken, subscribed, and sworn to before me this 9 day of September, 2011.

My Commission expires August 16, 2020.

**AFFIX SEAL HERE**

NOTARY PUBLIC *[Signature]*





September 9, 2011

Ms. Tara Lyle  
Purchasing Division  
2019 Washington Street, East  
P.O. Box 50130  
Charleston, WV 25305-0130

Dear Ms. Lyle and Member of the Selection Committee,

McKinley & Associates is honored to submit our Expression of Interest for professional architectural engineering design services to renovate the Old Medical Examiner Building at the West Virginia State Police Headquarters. We have examined your RFQ, have worked on dozens of West Virginia State Police facilities in the past, and are confident that the enclosed materials demonstrate that our team is exceptionally qualified to provide the best service to you.

Your project will be led by **Thomas R. Worlledge, AIA, LEED AP BD+C, REFP**, our **Charleston Area Manager**, whom is an **architect** and a **LEED Accredited Professional**. Thom was the project architect for the West Virginia State Police Academy, which involved renovations to Buildings A, B, and C; as well as a new Building D (Shooting Range Control Center). He is also the project architect for the Multi-Purpose Building at the WV State Police Academy. Furthermore, he is the project architect for the \$4.5 million Logan Detachment, which is currently in construction. 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.

In addition to Mr. Worlledge, we are proposing to dedicate additional professional design staff from our **Charleston Office** which includes, Nicole D. Riley as an Architect Intern, Deb Blakeman, NCIDQ #015070 for Interior Design, and Dana E. Womack, Jr. for Construction Administration. This office is located about **8 minutes** from the Old Medical Building at 725 Jefferson Road.

One of the more exciting aspects of our job is listening to YOU, our client, in how you envision this project, and transforming your ideas into realities. This can only be accomplished by effectively working together with you. Most of our current clients have been with our firm for many years. The main reason we have been able to maintain this relationship is because we LISTEN to their needs. One of these repeat clients *is* the West Virginia State Police, where we are on our third multi-year open-ended contract, and have worked on dozens of projects with them, over the past 15 years. We encourage you to speak with our references because we feel this is the best way that our abilities can be conveyed to you.

Many of our renovation projects are categorized as adaptive re-use projects, which are simply defined as converting an existing building for a different purpose, just like your project. With vast experience in adaptive re-use projects in so many different building types (previous schools, office buildings, old warehouses, train stations, factories, theaters, etc.), we have gained the knowledge and insight to evaluate these unique project types, which helps us anticipate unforeseen existing elements that may occur in a renovation project. This knowledge will help save you money.

We have experience with various West Virginia State Police architectural and engineering projects, as well as renovation and adaptive reuse projects, which you will see throughout our proposal. Thank you for reviewing our submission and considering McKinley & Associates for your project. If you have any questions, please do not hesitate to call at any time.

Personal Regards,

  
Thomas L. Young, REFP  
Director of Client Relations



# Executive Summary

Enclosed is our complete Expression of Interest to provide professional architectural engineering design services to renovate the Old Medical Examiner Building at the West Virginia State Police Headquarters. Here is an overview of what McKinley & Associates brings to the West Virginia State Police:

## RFP Highlights:

- **Multiple Open-End Contracts** with the **West Virginia State Police**, and dozens of successful projects.
- **Knowledge of the Old Medical Examiner Building and the West Virginia State Police Headquarters.**
  - Recently completed a square footage allocation study
- We design 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
- We have **4 LEED Accredited Professionals** on staff **(including your Project Architect)**
  - LEED APs in **both the architectural and engineering fields**
- **We are available to start immediately upon our being selected**

First and foremost we can state that our staff of 37 professionals will devote whatever time is necessary to provide the West Virginia State Police with a successful project. With over 15 registered professional architects and engineers we have the ability to make difficult schedules work. This is an "In-House" team that works together everyday and has done most of the projects here as a group.

McKinley & Associates has been designing renovation projects for over 30 years. As the largest A/E Firm in the state we have been involved with many different renovation projects which allow us to use that experience in your project. This experience includes West Virginia State Police facilities, emergency facilities, offices, schools, dormitories, labs, commercial/retail, warehouses, manufacturing facilities, and more. We have designed many renovation projects for various municipalities throughout the state which include police and fire stations, detachments, barracks, as well as 911 call centers. You will see as part of our submittal the vast experience we have with the West Virginia State Police in renovating their facilities. We have maintained an "open end" contract with the State Police for over 15 years which has given us first-hand experience in projects similar to yours. The renewal of this contract over the years is a good indication of the service and the expertise we provide for them.

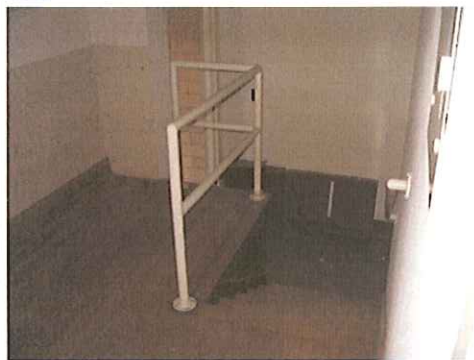
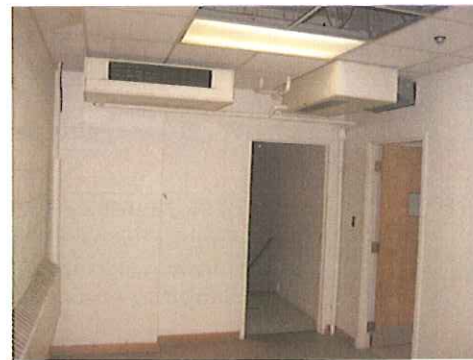
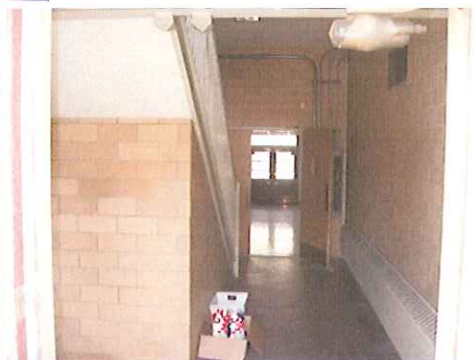
Many of our renovation projects are categorized as adaptive re-use projects, which is simply defined as converting an existing building for a different purpose, just like your project. With vast experience in adaptive re-use projects in so many different building types (previous schools, office buildings, old warehouses, train stations, former restaurants, factories, theaters, churches, etc.), we have gained the knowledge and insight to evaluate these unique project types, which helps us anticipate unforeseen existing elements that may occur in a renovation project. This knowledge will help save you money.

All three of our offices (Wheeling and Charleston, West Virginia, and Washington, Pennsylvania) are renovation projects; moreover, our Wheeling Headquarters is an adaptive reuse of a former YMCA building.

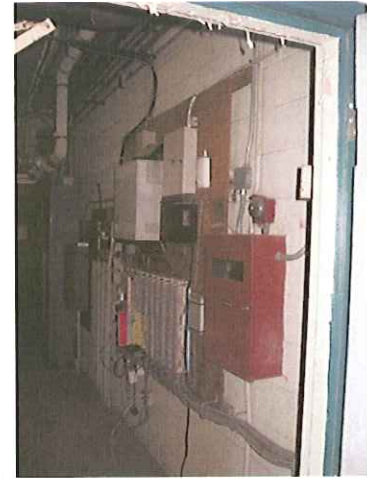
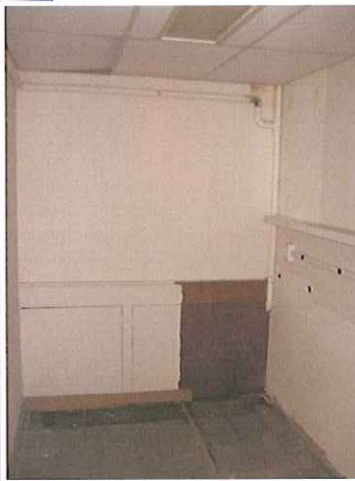
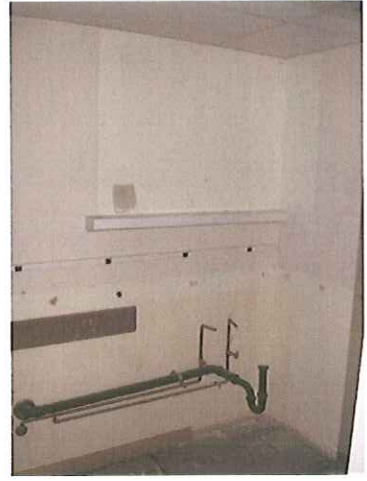
Our approach to design requires a dialog with the owners and the end users of the facility. Throughout the design process, we hold design workshops to get the critical information needed to achieve a design that meets your needs and budget. We do not only depend on our experience, but on the day to day experiences of those who will use the building. We have found that this hands on approach allows us to focus on your needs and desires and to achieve a better outcome for our client.

Our approach to design is simple: communicate with the client and address the client's needs and desires first.

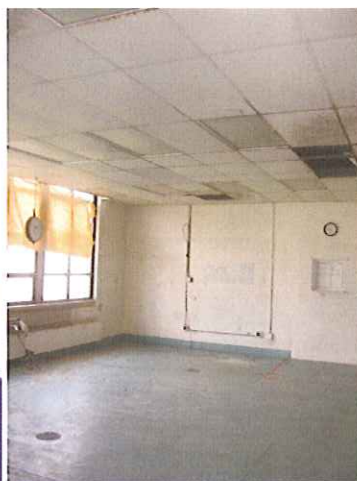
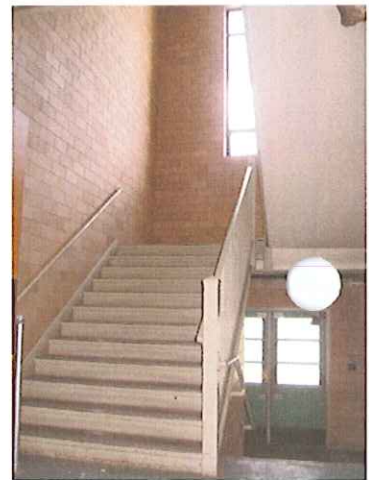
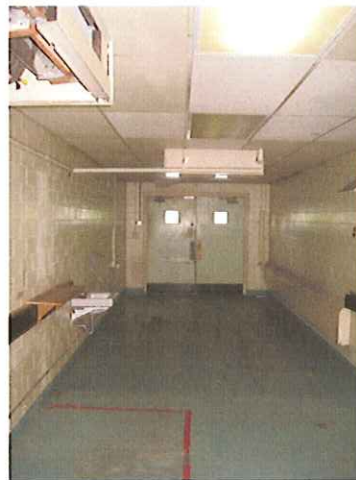
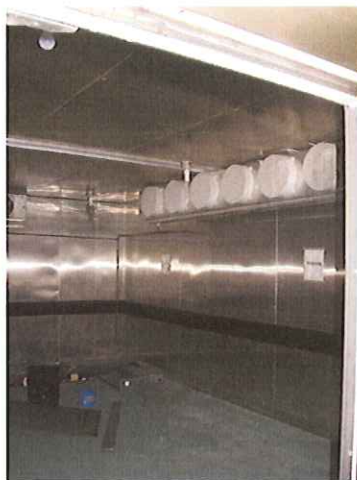
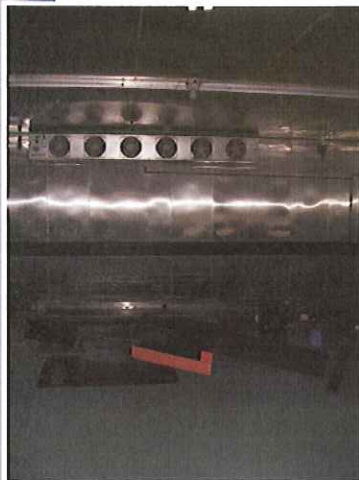
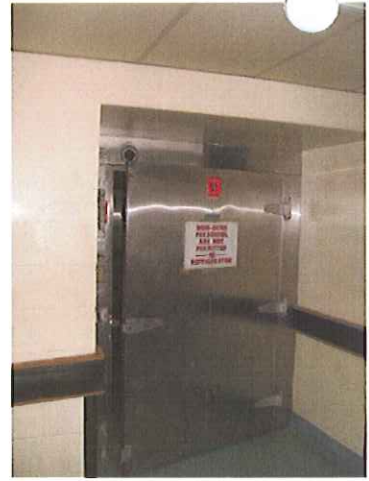
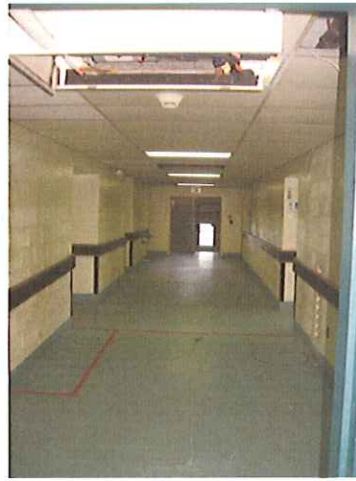
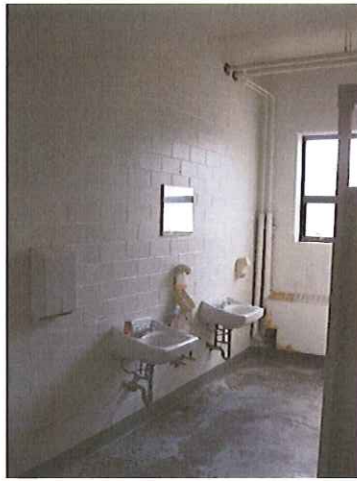
# Your Project



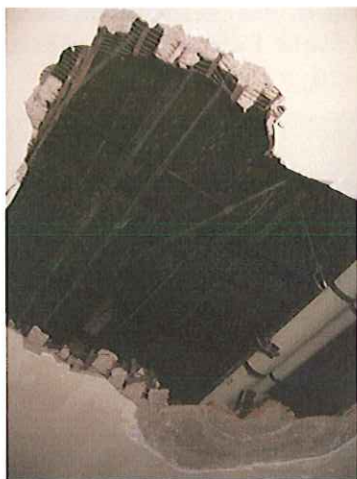
# Your Project



# Your Project

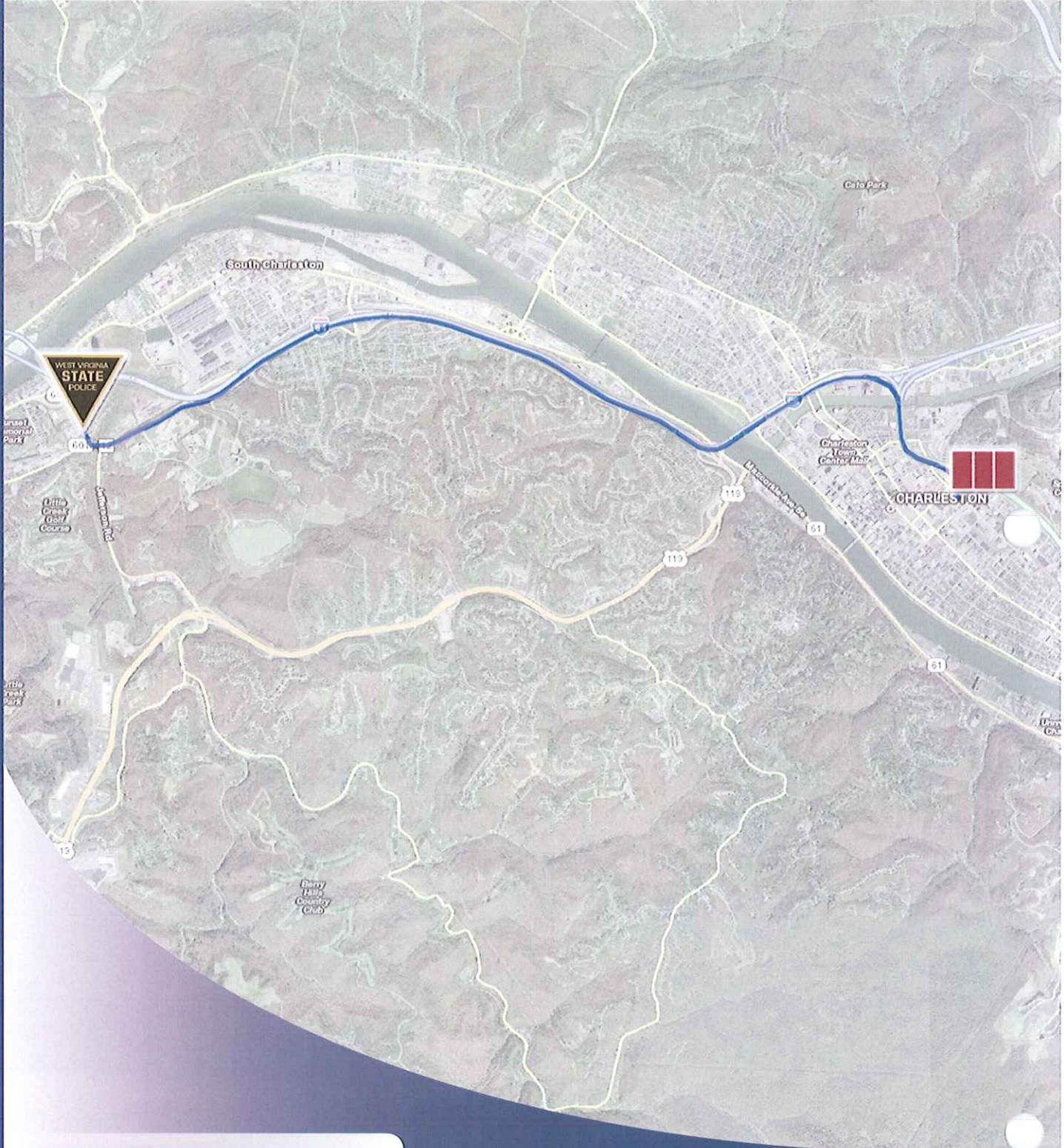


# Your Project



# Proximity

With our **Charleston Office** being **6 driving miles (8 minutes away)** from the **Old Medical Examiner Building** at the **West Virginia State Police Headquarters**, you can be assured that you will receive the best service for your proposed project.



# Corporate Information

## Firm History

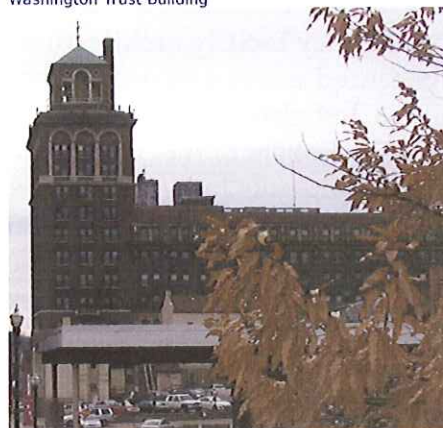
**Founded in 1981**, McKinley & Associates is a multi-discipline **full service Architectural & Engineering firm**, offering comprehensive **professional services in architecture, engineering, interior design and construction administration**. We have a broad range of skill and experience for projects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

**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

Total Size	37
Architects	8
Engineers	4
Architect Interns	1
Engineer Interns	1
Construction Admins	4
Arch./Eng. Designers	10
Interior Designers	1
Quality Controllers	2
REFPs	3
LEED APs	4
MIS	1

## 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 Headquarters

## 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.



Mason County Detachment



Jackson County Detachment



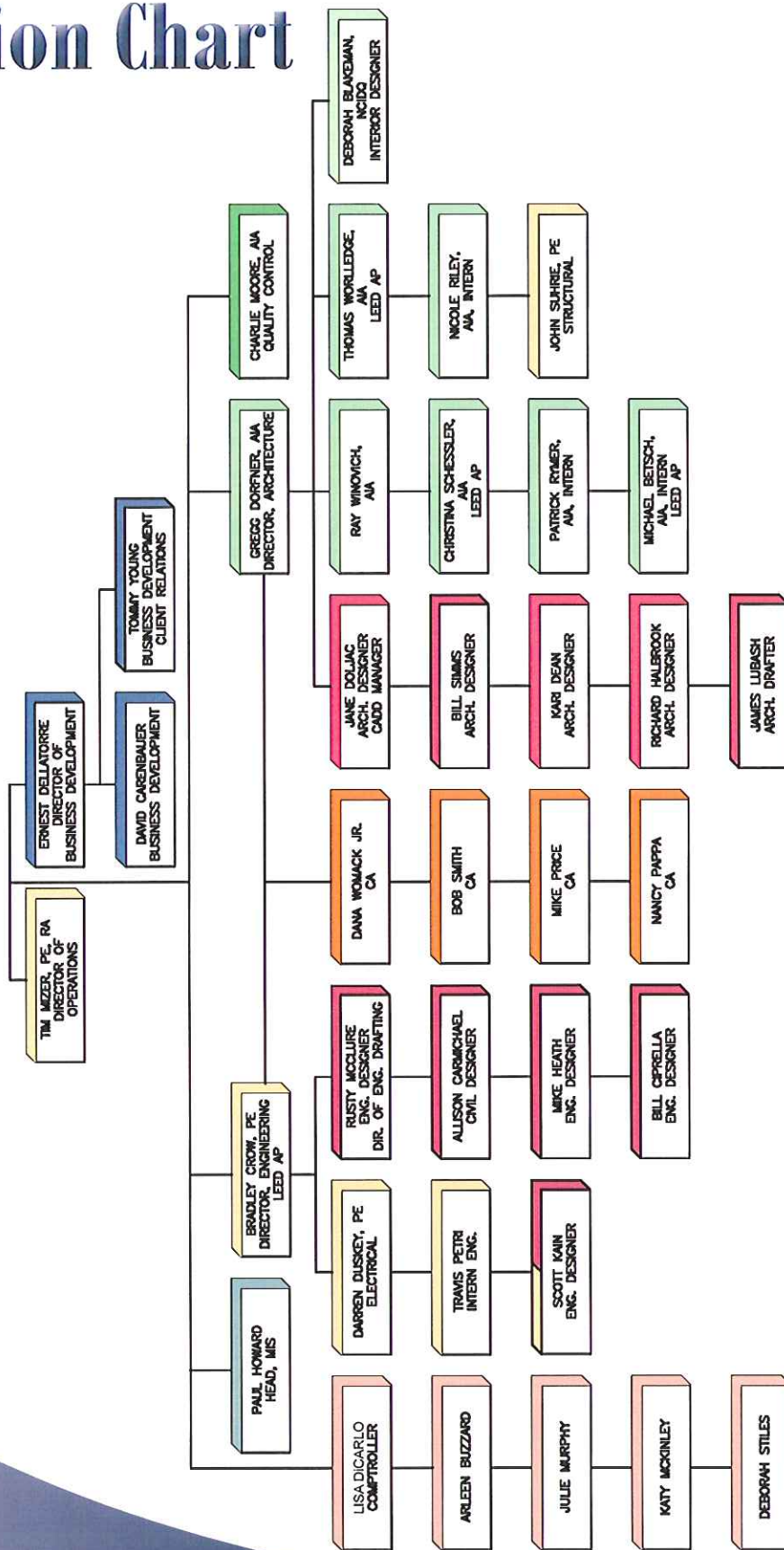
We understand that the success of **emergency facility architecture** is measured not just by architectural design alone, but also by the added considerations of all members of the design and development team. We also focus on the **multi-purpose nature of these facilities**. In addition, your specialized facility will have many different criteria to address, such as sensitivity to the people using the facility, safety and security, as well as cost and energy efficiency. A cohesive, integrated, comfortable, healthy and flexible environment are paramount attributes to providing a serviceable emergency facility.

We are currently on our **third 5-year Open-End Contract** with the **West Virginia State Police**. We completed a major master-plan of all of their **72 buildings statewide**, as well as design for many detachments, **which includes renovations, additions and new buildings**.

Generally recognized as **West Virginia's largest A/E firm**, our **37 person Professional staff** includes: Architects; Civil, Electrical, Fire/Life Safety, Mechanical and Structural Engineers; Interior Designers and Educational Planners. **We have provided professional services in all 55 counties of West Virginia.**



# Organization Chart



# 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.

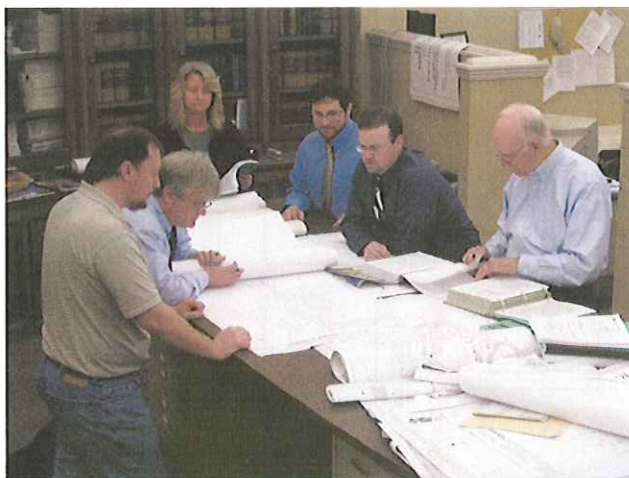
As the schematic/concept plans are developed, the Project Manager typically presents the plans for review and comments to a plan group depending on the nature of the work; e.g. engineers commenting on the engineering and architects critiquing the architecture. Once a consensus is reached, the plans advance 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 ~ \$169/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**

# Management & Staffing Capabilities

In the past 30 years we have extensive experience with similar projects. 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. We can and will perform for you on time.

The most important element of the entire process becomes communication from you to our designers. We use and welcome your input throughout the project. We continually achieve success in projects by maintaining **time and cost management, quality control and excellent communication** amongst the client and contractors. You will have the ability to review the plans and specifications at different completion percentages of the development phase.

This team is an "In-House" team that works together everyday and has done most of the projects here as a group. These team members have been working up to fifteen years together at McKinley & Associates.

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.

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 14 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.

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 your project, and transforming your ideas into realities. This can only be accomplished by effectively **working together** with you. Most of our current clients have been with our firm for many years. The main reason we have been able to maintain this relationship is because we **LISTEN** to their needs.

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 their project. **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.

The firm uses a number of different **cost estimating** procedures depending on the type and size of project. Our ability to **design within budget** is shown in the following, which represent some of our recently bid projects:

<u>PROJECT</u>	<u>BUDGET</u>	<u>ACTUAL</u>	<u>DIFFERENCE</u>	<u>+/-</u>
Wood Co. - Williamstown HS	\$11,635,000	\$11,253,000	\$382,000	-3.39%
Weirton State Building	\$4,291,000	\$4,083,000	\$208,000	-5.09%
Hancock Co. Schools	\$11,000,000	\$11,260,000	\$260,000	+2.36%
WV Northern Annex	\$7,900,000	\$6,850,000	\$1,050,000	-15.33%
WV Northern Phase II	\$1,200,000	\$1,194,000	\$6,000	-0.50%
Wheeling YMCA	\$2,200,000	\$2,100,000	\$100,000	-4.76%
WVU Colson Hall	\$5,400,000	\$5,500,000	\$100,000	+1.85%
John Marshall Fieldhouse	\$3,755,000	\$3,518,000	\$237,000	-6.73%
Central Elementary	\$3,037,000	\$3,017,000	\$20,000	-0.66%
Maxwell Centre	\$1,800,000	\$1,734,000	\$66,000	-3.81%

The Marshall County School Bond Project's total budget is \$37,000,000.

To date, we are \$1,000,000 under budget.

# Interior Design



Basic interior services begin with a strategy session designed to determine the owner's project requirements, timetable and budget. The interviews will include analyzing space requirements, operating procedures, communication relationships and future needs. Inventory of existing conditions are used to develop accurate drawings and plans. Application of current ADA and building codes will be applied to the developed plans for way finding (signage, directories, fire escape plan), furnishings and finishes. Attention to budget and maintenance is given in relationship to owner needs. Construction documents required to detail the project include schedules, elevations, plans, presentation boards and specifications. To maintain coordination, the follow up contract administration consists of submittal review, post construction evaluation and coordination of FF&E contracts when applicable.



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



# 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.

# 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 design** 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. **This is one of only 9 LEED Certified projects in West Virginia.**



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 Worledge.



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.

# 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 ([www.usgbc.org](http://www.usgbc.org)). 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. In January 2001, our firm was the **first organization in West Virginia to join the USGBC**. No other WV firm joined until nearly 2 years later! 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 in both the architectural and engineering fields:

Michael S. Betsch, LEED AP  
 Bradley A. Crow, PE, LEED AP  
 Christina Schessler, AIA, LEED AP BD+C  
 Thomas R. Worlledge, AIA, LEED AP BD+C, REFP (Your Project Manager)

Our **LEED Certified Project** is (LEED Rating System in parentheses):

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

**The First and Only LEED Certified School in the State of West Virginia!**

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

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

SMART Office in Williamson, WV (LEED CI)

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

All of our current LEED Registered Projects are either under construction or in design with potential **LEED Platinum Certification** (SMART Office) or potential **LEED Silver Certification** (Cameron Middle/High 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.



# 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.

# References



Multiple Projects  
 Don Mackey  
 United States Postal Service  
 Facilities Service Office  
 Post Office Box 27497  
 Greensboro, NC 27495-1103  
 336/665-2894



Orrick Global Operations Center  
 Mr. Will Turani  
 Orrick, Herrington & Sutcliffe LLP  
 2121 Main Street  
 Wheeling, WV 26003  
 304/231-2629

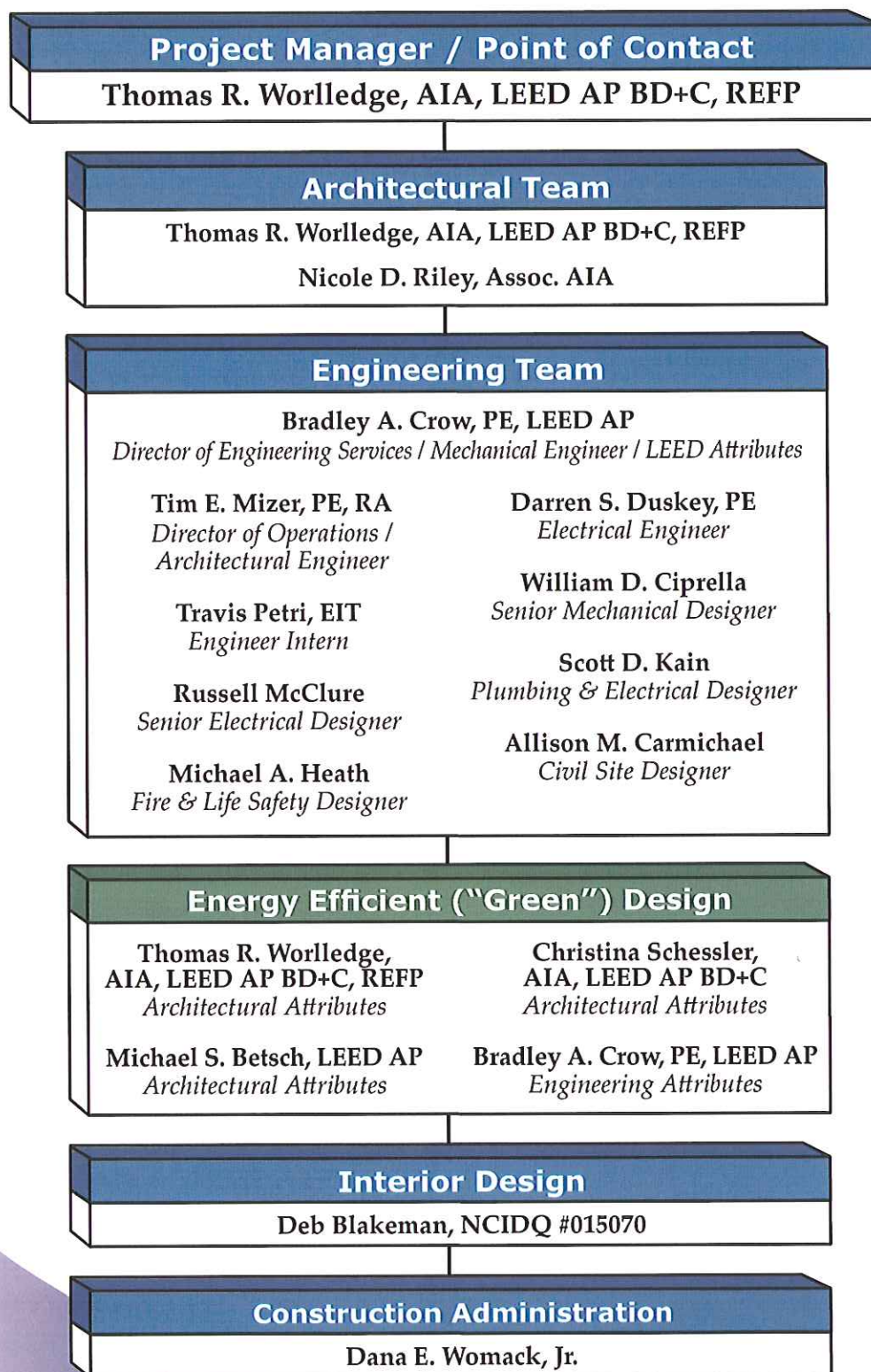


State Fire Training Academy  
 Murrey Loflin  
 WVU Fire Extension Services  
 2600 Old Mill Road  
 Weston, WV 26452  
 304/276-2843



Wheeling Island Fire Station  
 Mr. Robert Herron  
 City of Wheeling  
 1508 Chapline Street  
 Wheeling, WV 26003  
 304/234-3617

# Design Team



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

## Charleston Office Area Manager



## Architect / Educational Specialist / 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:

Ohio  
Pennsylvania  
Tennessee  
Virginia  
West Virginia

#### 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 25 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:

#### Architect:

West Virginia State Police Academy - Renovations to Buildings A, B, and C; New Building D (Shooting Range Control Center)

West Virginia State Police Academy Multi-Purpose Building

West Virginia State Police - New Logan Detachment

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

Hilltop Elementary School - Marshall County Schools (LEED Certified)

SMART Office in Williamson, WV (LEED Registered)

Bellann in Oakhill, WV (LEED Registered)

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

Wood County Schools - Parkersburg High School

Wood County Schools - Parkersburg High School Link project

Wood County Schools - Williamstown High School

Marshall County Schools - Sherrard Middle School

Marshall County Schools - McNinch Elementary School

Boone County Schools - Brookview Elementary School Phase I & II

Boone County Schools - Honors Academy

WVU Institute of Technology - Maclin Hall renovations

# Nicole D. Riley, Assoc. AIA

## Architect Intern

### EDUCATION:

Virginia Tech, College of Architecture  
Bachelor of Architecture - 1998

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### NCARB

#### Associate Member:

The American Institute of Architects

#### Member:

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

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2005 to present)

Williamson Shriver Architects  
Charleston, WV (2003-2005)

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

The Omni Associates  
Fairmont, WV (1999)

### SUMMARY OF EXPERIENCE:

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

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Project Manager - *Mythology Office*

This 1,650 SF interior build-out and renovation project involved architectural, engineering and interior design services. Mythology was a start up marketing and branding consultation firm headed by Jeff James, a veteran of the Microsoft Marketing engine. Taking elements from Jeff's background, such as his eclectic taste in music and art, the interior exudes a masculine nature while welcoming the first time client. The offices and conference room have a calming palette of light greens and blues in the modular carpet.

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

The new McKinley & Associates Charleston Area Office is a 2,500 SF office space for our architectural, engineering, and interior design staff. This 2009 AIA Merit Award-winning interior renovation project was constructed for \$63.30/SF with owner occupancy ahead of schedule. Managed budget, schedule, construction administration, vendor relations and material purchasing.

#### Design Team - *Parkersburg South High School, Wood County*

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

#### Project Manager - *Sherrard Middle School, Marshall County*

This project included the demolition, renovations and additions to the 69,324 SF educational facility. Scope of work included new dining and classroom facilities, new commercial kitchen and emphasis on security. This facility is one of ten system-wide coordinated access control.

#### Design Team - *Hilltop Elementary School, Marshall County*

This \$8.4 million project for Marshall County Schools is the first and only LEED Certified school in West Virginia. This school is 49,700 Square Feet, and the total non-owner change orders is 0.83%.

# 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  
Maryland  
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 both a Professional Engineer and a **LEED Accredited Professional**, and has recently been appointed Director of Engineering Services at McKinley & Associates. His broad experience gives him the ability to understand and coordinate the various MEP systems within a buildings envelope in both new design and existing structures. He has headed numerous MEP projects for various building systems ranging from educational, commercial offices, retail, dormitories, and medical facilities. He has recently designed a Chilled Beam HVAC System for the Cameron Middle/High School Facility which will be the first of its kind in West Virginia.

#### NOTABLE PROFESSIONAL EXPERIENCES:

##### Mechanical Engineer

West Virginia State Police Academy - multiple buildings

West Virginia State Police - New Logan Detachment

West Virginia State Police - Jackson County Detachment

West Virginia State Police - Kanawha County Troop 4 Headquarters

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

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

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

WVU State Fire Training Academy / Jackson's Mill

Wheeling Island Fire Station

Panhandle Cleaning & Restoration warehouse and office building

Cabela's Eastern Distribution Center (1.2 million SF building includes a 32,670 SF administrative office building)

Charleston Area Alliance Building - Warehouse to Office Buildout

Bennett Square Office Building renovation project

Dr Ganzer Office Building renovation project

Marshall County Schools - Hilltop Elementary (**LEED Certified**)

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

Wood County Schools (\$63+ million renovations)

WVU Colson Hall renovations (office and classroom building)

USPS - Charleston Processing and Distribution Center

USPS - Martinsburg Processing and Distribution Center



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

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

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

West Virginia State Office Building in Weirton, WV

Orrick Building (Office Building)

Maxwell Centre (Office Building)

Wagner Building (Office Building)

Bennett Square Office Building

Dr. Ganzer Office Building

WVU Colson Hall (office and classroom building)

Panhandle Cleaning & Restoration (warehouse and office building)

West Virginia Independence Hall historic preservation/renovation

Capitol Theatre historic preservation/renovation

Wheeling Island Casino - various projects

Cabela's Eastern Distribution Center

Marshall County Schools - Hilltop Elementary (LEED Certified)

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

Marshall County Schools (\$38+ mil.)

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

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

# 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  
Pennsylvania  
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

WVSP Headquarters (*Upgrade electrical service*)

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

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

West Virginia State Building in Weirton, WV

Bennett Square Office Building

Panhandle Cleaning & Restoration warehouse and office building

Dr Ganzer Office Building

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

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

United States Postal Service - statewide post offices

Cabela's Eastern Distribution Center [*New large (~1,200,000 SF) distribution center services, electrical design*]

Marshall County Schools - Hilltop Elementary (LEED Certified)

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

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

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

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

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



# Travis Petri, EIT

## 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 Proprietor  
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 State Police - Logan Detachment

West Virginia State Police - Academy

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

Logan State Office Building (LEED Registered project)

United States Postal Service - multiple projects

West Virginia Independence Hall

Marshall County Schools - Hilltop Elementary (LEED Certified)

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

Southern WV Community & Technical College - Wyoming/McDowell campus

Southern WV Community & Technical College - Williamson campus

Wood County Schools - Parkersburg High School

Wood County Schools - Parkersburg South High School

Wood County Schools - Williamstown High School

Ohio County Schools - Bridge Street Middle School

Marshall County Schools - Washington Lands

Hancock County Schools - Oak Glen High School

Hancock County Schools - Weir Middle School / High School

West Virginia Northern Community College - B. & O. Building

Braxton Co Senior Center

# William D. Ciprella

## Senior Mechanical Designer

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

ASHRAE

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2009 to present)

Burt Hill  
Pittsburgh, Pa (2007-2009)

McKinley & Associates  
Wheeling, WV (2005 to 2007)

Astorino Branch Engineers  
Pittsburgh, PA (1995-2005)

### SUMMARY OF EXPERIENCE:

Mr. Ciprella brings over 45 years experience designing HVAC systems for industrial, institutional, and commercial facilities. He has 26 years experience using Autocad software, and twelve years using Microstation software. In addition, Bill has 35 years experience using computerized heating and cooling load calculation software. He has worked on the UPMC Cancer Centers, UPMC Passavant East Wing Addition, various projects at the Children's Hospital of Pittsburgh, Presbyterian Hospital of Pittsburgh, and various VAMCs in Pennsylvania.

### NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia University - Colson Hall (office & classroom building)  
West Virginia Army National Guard - Multipurpose Building  
United States Postal Service - Williamson, WV  
United States Postal Service - HVAC in Grafton, WV  
United States Postal Service - Clarksburg, WV  
United States Postal Service - Charleston, WV  
United States Postal Service - Huntington, WV  
United States Postal Service - HVAC & Windows in Altoona, PA  
United States Postal Service - New Cumberland, PA  
United States Postal Service - Corry, PA  
United States Postal Service - Monongahela, PA  
United States Postal Service - HVAC in Washington, PA  
Marshall County Schools - Cameron Middle School / High School (LEED Registered project)  
Wood County Schools - Parkersburg High School  
Wood County Schools - Parkersburg South High School  
Wood County Schools - Williamstown High School  
Wood County Schools - Franklin Elementary School HVAC  
Wood County Schools - Blennerhassett Middle School HVAC and boiler  
Wood County Schools - Kanawha Elementary HVAC  
Wetzel County Schools - Long Drain Elementary HVAC  
Wetzel County Schools - New Martinsville School HVAC  
Wetzel County Schools - Magnolia High School  
Wetzel County Schools - Center for Children & Families  
Wetzel County Schools - Maintenance Facilities

# Russell McClure

## Senior Electrical Designer

### SUMMARY OF EXPERIENCE:

Mr. McClure is the seniormost designer in our firm. Specializing in electrical design, he has over 14 years experience at McKinley & Associates in electrical, HVAC, plumbing, structural and architectural design. He also has performed construction administration duties ranging from a single family housing complex to complete HVAC replacements on multi-million dollar projects. In the past two years, he has performed the electrical evaluations on all of the schools in our 14 counties' Comprehensive Educational Facilities Plans; over 160 schools in all.

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (1996 to present)

### NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia State Police - multiple projects  
 West Virginia State Office Building in Logan, WV (LEED Registered)  
 Sisters of St. Joseph's Convent rehabilitation  
 Maxwell Centre (office building)  
 Orrick Building (office building)  
 Wagner Building (office building)  
 Bennett Square Office Building  
 Dr. Ganzer Office Building  
 WV Independence Hall  
 Catholic Heritage Center  
 Capitol Theatre  
 US Can renovation  
 OVMC Nurses Residence Hall  
 United States Postal Service - multiple projects  
 Cabela's Eastern Distribution Center  
 West Virginia University - Colson Hall renovations/upgrade  
 West Virginia University - State Fire Training Academy  
 WVU Institute of Technology - Maclin Hall  
 West Virginia Northern Community College - B. & O. Building  
 West Virginia Northern Community College - Education Center  
 Wood County Schools - Parkersburg High School  
 Wood County Schools - Parkersburg South High School  
 Wood County Schools - Williamstown High School  
 Marshall County Schools - Cameron Middle/High School (LEED Registered)  
 Marshall County Schools - Hilltop Elementary School (LEED Registered)  
 Marshall County Schools - John Marshall High School  
 Marshall County Schools - Sherrard Middle School  
 Marshall County Schools - Moundsville Middle School  
 Marshall County Schools - Central Elementary School  
 Boone County Schools - Scott High School electrical  
 Boone County Schools - Brookview Elementary School  
 Boone County Schools - Madison Middle School electrical  
 Boone County Schools - electrical upgrades and data cabling at Van Junior/Senior high School, Sherman Junior High, Sherman High, Nellis Elementary, Whitesville Elementary and Van Elementary

# Scott D. Kain

## Plumbing & Electrical Engineering Designer

### EDUCATION:

Technology Education College /  
Ohio State University  
Associates in Mechanical Design - 1996

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Engineering Designer  
Wheeling, WV (2001 to present)

HAWA Inc.  
Mechanical Designer  
Columbus, OH (1998-2001)

Autotool Inc.  
Engineer  
Columbus, OH (1995-1998)

### SUMMARY OF EXPERIENCE:

Mr. Kain is an accomplished engineering designer who has performed in all the engineering trades we provide; specializing in plumbing, fire protection, and electrical. He has also worked for various McKinley & Associates' projects that needed mechanical, structural, and architectural elements. In addition, Mr. Kain has also provided 3D renderings for various projects over the past 10 years.

### NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia State Police - Logan Detachment  
West Virginia State Police - Academy  
West Virginia State Office Building in Logan, WV (LEED Registered)  
West Virginia State Office Complex in Weirton, WV  
Charleston Area Alliance Building - Warehouse to Office Buildout  
Maxwell Centre (office building)  
Orrick Building (office building)  
Wagner Building (office building)  
Bennett Square Office Building  
Dr. Ganzer Office Building  
Sisters of St. Joseph's Convent rehabilitation  
Catholic Heritage Center  
WV Independence Hall  
OVMC Nurses Residence Hall  
West Virginia University - Colson Hall renovations/upgrade  
West Virginia University - State Fire Training Academy  
WVU Institute of Technology - Maclin Hall  
West Virginia Northern Community College - B. & O. Building  
West Virginia Northern Community College - Education Center  
Wood County Schools - Parkersburg High School  
Wood County Schools - Parkersburg South High School  
Wood County Schools - Williamstown High School  
Marshall County Schools - Cameron Middle School/High School (LEED Registered)  
Marshall County Schools - Hilltop Elementary School (LEED Registered)  
United States Postal Service - multiple projects

# Michael A. Heath

## Mechanical, Fire & Life Safety Engineering Designer

### EDUCATION:

ITT Technical Institute  
Associate Degree in Specialized Technology:  
Computer-Aided Drafting Technology - 2000

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Mechanical, Fire & Life Safety Designer  
Wheeling, WV (2007 to present)

Janus, Inc.  
AutoCAD Designer / Project Manager  
Pittsburgh, PA (2002-2007)

Comunale Automatic Sprinkler  
Fire Protection Designer  
Pittsburgh, PA (July 05 - Oct 05)

S.A. Comunale Inc.  
Fire Protection Designer  
Pittsburgh, PA (2000-2002)

### SUMMARY OF EXPERIENCE:

Mr. Heath brings a cross-trained design background to your project, and has vast knowledge in a diverse range of disciplines. He was trained by the National Fire Protection Association (NFPA) in Dallas, Texas, and has used these skills to work on projects from multiple business sectors and with various sizes, such as the 4 story, 1,500,000 square foot David L. Lawrence Convention Center in Pittsburgh, Pennsylvania. He has vast expertise in designing and calculating fire protection systems, standpipes, dry and wet systems, hydraulics, and water cannons; stock listing materials for systems; as well as surveying job sites and frequent business trips to coordinate jobs.

### NOTABLE PROFESSIONAL EXPERIENCES:

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

West Virginia Army National Guard - Multipurpose Building at Camp Dawson

For 14 West Virginia counties; provided Fire Protection and Mechanical assessments at every school, for their 10-year Comprehensive Educational Facilities Plan (CEFP).

Capitol Theatre

West Virginia Independence Hall

Cameron Middle School/High School in Cameron, WV (LEED Registered Project)

J. B. Chambers Performing Arts Center at Wheeling Park High School - Ohio County Schools

Madison Elementary School

John Marshall Fieldhouse

McNinch Elementary School

Sherrard Middle School

Cameron Elementary School addition

Tyler County Schools - 3 HVAC projects

Wetzel County Schools - Long Drain Elementary HVAC

# Allison M. Carmichael

## Civil Site Designer

### EDUCATION:

Youngstown State University  
B.S. Civil Engineering Technology - 2000

Kent State University  
Architectural Drafting Technology - 1983

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Civil Site Designer  
Wheeling, WV (2006 to present)

Lynn, Kittinger & Noble Inc.  
Staff Engineer  
Warren, OH (2003-2006)

Engineering Services & Consultants Inc.  
Staff Engineer  
Youngstown, OH (2001-2003)

The Cafaro Company  
Civil Engineering Technologist  
Youngstown, OH (1992-2001)

A. C. Charnas & Associates  
Drafter, Soil Technician  
Warren, OH (1983-1992)

### SUMMARY OF EXPERIENCE:

An extremely talented Designer with experience in planning, governmental permitting, design, construction documents, cost analysis and procurement, request for information during construction and inspections. Her qualifications include experience with site development for commercial, industrial, institutional, and residential properties.

### NOTABLE PROFESSIONAL EXPERIENCES:

Responsibilities include design work and project management of site development projects that include commercial, institutional and residential

Concentration is in Zoning, Storm water management and Phase II Water Quality site implementation

Managed projects with clients to plan and design sites for residential, commercial and industrial use; from conceptual stage to securing project approvals for construction

Designed and developed contract documents

Estimated site construction costs

Performed construction inspection

Supervised and instructed co-employees on engineering projects

Secured project approvals through local, state and federal governmental organizations

Examples of projects included a residential subdivision consisting of fifty-five 0.50-acre lots; an 8-acre residential retirement facility; and an 18-acre construction and demolition debris landfill

Commercial Projects include banking, retail and restaurant sites; either stand-alone sites or outparcel development

Institutional Projects include additions, renovations and new site development

# Christina Schessler, AIA, LEED AP BD+C



## LEED Accredited Professional / Architect

### EDUCATION:

The Pennsylvania State University  
Bachelor of Architecture - 1986

Savannah College of Art & Design (SCAD)  
Graduate Courses in Historic Preservation

### 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:

In the past 25 years, Ms. Schessler has obtained a wide range of educational, professional, liturgical, forensic, medical, residential and commercial project experience. She has had the opportunity to participate in the design of a few uncommon building types, such as funeral homes, fire fighting training centers and an animal research lab. Ms. Schessler is adept at developing space and utilization programs with Clients who are unfamiliar with the architectural design process. As a volunteer and as a professional, Ms. Schessler has developed several projects for non-profit agencies on limited budgets. Christina will also be able to provide direction to your projects should you wish to develop a design and document program that is intended to achieve **LEED Certification**.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Project Architect

Wheeling Island Fire Station

WVU Fire Training Academy / Jackson's Mill, WV

Panhandle Cleaning & Restoration warehouse and office building

Grant County Schools / Multiple Projects

Braxton County High School (in association with Fairmont State University, as well as Fairmont Technical College)

WV Independence Hall

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\*

Braxton County Senior Citizen Center

Steel Valley Regional Transit Authority roof

The Beaver County Medical Center, Rheumatology Expansion\*

City Theatre, Storefront Restoration / Pittsburgh, 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**)

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

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

# Michael S. Betsch, AIA, LEED AP



## Architect / 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:

**Registered Architect in:**  
West Virginia

**LEED® Accredited Professional**

### Member:

The American Institute of Architects  
U.S. Green Building Council

### 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 10 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:

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

**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

**Montgomery County Transportation Management Center**  
Programming, planning, design and contract documents for the transportation management offices at the emergency communications facility

**Delaware Transportation Management Center / Dover, DE\***  
Master planning and design for a new 21,000 SF facility to coordinate statewide transportation via the ITMS system.

**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.

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



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# 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 over 30 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 State Police Academy

West Virginia University - State Fire Training Academy

West Virginia University - Colson Hall office building renovations

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

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

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

Mythology Marketing office building renovation

WVU Institute of Technology - Maclin Hall

Braxton County High School - Fairmont State addition

West Virginia Northern Community College - The Education Center

West Virginia Northern Community College - B. & O. Building

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

Braxton County Senior Center

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)\*

#### Interior Designer / Sales

WV Graduate College (Furnishings)\*

WV Credit Union (Space Planning, Furnishings and Finishes)\*

#### Adjunct Professor

University of Charleston

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

# Dana E. Womack, Jr.

## Construction Administrator (Project Coordinator)

### 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 (Project Coordinator) for:**

*West Virginia State Police Academy renovations*

*WVSP Logan Detachment*

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

*Cement Mason Training Building in Parkersburg*

*Brookview Elementary - Boone County Schools*

*Honors Academy - Boone County Schools*

*Madison Middle - Boone County Schools*

*Scott High - Boone County Schools*

*Summers County High - Summers County Schools*

*Williamson Campus HVAC and Roof - Southern WV Community & Technical College (SWVCTC)*

*Wyoming/McDowell Campus HVAC - SWVCTC*

#### **Project Manager**

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

*Montrose Elementary Elevator Addition*

*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.

# Open-Ended Contract West Virginia State Police

## West Virginia - Statewide

### Owner

West Virginia State Police



### Construction Cost

These projects were completed under 3 multi-year open-ended agreements

### Project Architects-Engineers

McKinley & Associates

For over the past 15

years, McKinley & Associates has been

honored to have been selected for multiple

West Virginia State Police open-ended contracts

for all architectural and engineering services throughout

West Virginia. McKinley & Associates have completed numerous

**renovations** as well as **additions** on police detachments throughout the State, such as in Clarksburg, Franklin, Jackson County, Lewisburg, Moundsville, and Romney to name a few. Moreover, we also have completed design services on multiple **new detachments** in Berkeley, Logan, Morgantown, Rainelle, and Wheeling, West Virginia to name a few. Various detachments have E911 Centers, such as in Doddridge, Franklin and Romney. McKinley & Associates is proud to showcase continuous work for the West Virginia State Police throughout our region, and we are pleased to say that we have also surveyed, reviewed, projected, budgeted, and documented **72 police facilities** throughout the state.



Architectural and Engineering design for **new addition and renovations** to the detachment in **Pendleton (Franklin), West Virginia**. The 3,170 SF addition was for a 911 Center (E911) that included 2 offices, a communications room, a transmitter room, a kitchen and a vestibule.

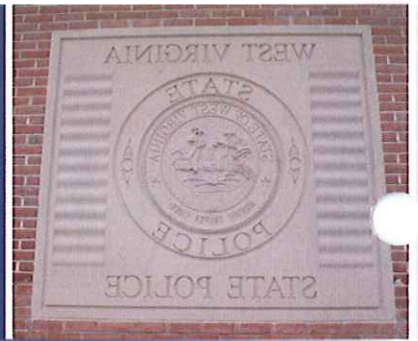
The **3,840 SF of renovations** included providing security for the secretary, replacing door hardware to more secure hardware, a bunkroom, ADA upgrades, exit and emergency lights, and an emergency generator to name a few.

The \$1.85 million **detachment in Morgantown, West Virginia** included the following in this two story, 11,721 SF building: Detachment Commander Office, Sergeant Office, District Commander, Squad Room, Processing Room, Evidence Room, Gun Storage Room, 2 Interview Rooms, Conference Room w/Kitchenette, MVI Office, Garage, Lawn Storage Room, Public areas, 3 Secretary areas, 2 File Room, and more.



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# Open-Ended Contract *(continued)* West Virginia State Police



Custom-designed, 6' tall, pre-cast concrete relief of the West Virginia State Police Seal surrounded by "West Virginia State Police." This is located in the east wall.

The **two-story, 8,420 SF** detachment in **Berkley County (Martinsburg), West Virginia** consisted of an addition and a renovation. The 4,800 SF addition included a Detachment Commander office, squad room, processing room, public lobby, 2 secretary areas, and a file room to name a few. The **3,620 SF renovation** included 2 Seargent offices, evidence room, conference room, interview room, gun storage room, file rooms, and more.



The \$550,000 detachment in **Jackson County (Ripley), West Virginia** is 2,231 SF. 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.



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



# WVSP Academy West Virginia State Police

## Dunbar, West Virginia

Owner  
West Virginia State Police



Size  
4 Buildings / 61,757 SF

Construction Cost  
\$2.9 mil.

Project Architects-Engineers  
McKinley & Associates

Project Architect  
Thomas R. Worledge, AIA

Contractor  
Multiplex, Inc.

The 27,708 SF Building A is a 2-story dormitory (for 160 cadets) with classrooms that was built in 1968. This renovation project included upgraded HVAC, new boiler and chiller, a new building skin/facade, new windows, an elevator, new floor tile to replace asbestos tile, replacing the shield at the entry, new built-in furniture, repairing the sauna and steam room, new fire alarm and sprinkler system, security system, network computers, electrical, site lighting, signage, and ADA compliance.

The 8,985 SF Building B is a 2-story classroom (for 84 cadets) with dorm (for 10 cadets) that was built in 1949. This renovation project included a new building skin/facade, new windows, new flooring, new walls, new ceiling tile, and ADA compliance.

The 21,966 SF Building C is a classroom (for 100 cadets) with dormitory (for 48 cadets) and cafeteria that was built in the 1970s. This renovation project included HVAC, new building skin, new windows, new vestibule, security system, elevator, ADA compliance, new fire alarm, new floors, sprinkler system, lighting, data, signage, and sidewalks.

There was complete removal of Building D (shooting range), and replacement with a new 3,098 SF shooting range with a tower at the center. The tower area has space for four seats and circulation clearance, windowed on three sides and full view of the range, counters with under storage, target system, power and data.

The staging area is enclosed with a glass wall toward the range, with space for 40-50 cadets with tables for gun cleaning and check. The armament room has a separate entrance from the target room, an office area, three standing work benches with power, peg board for tools, open shelving, one small sink, circulation for 7 people, and is vault locked to separate the office space from the armament area. There is also a break room, restrooms, and a target storage room. In addition, the bunker is a controlled environment with alarm system, that has storage for ammunition.

Completed in June of 2010, the \$2.9 million West Virginia State Police Academy project included renovation of 3 existing buildings, as well as the demo of a shooting range and replacing that building with a brand new upgraded shooting range control center.



# 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 currently has **2 multiple year open-end agreements** with the United States Postal Service, for **Statewide in West Virginia** (Contract 362575-06-J-0388 - Indefinite Quantity Contract for Architect / Engineering Services in West Virginia; formerly the Appalachian District) and for the **Erie/Pittsburgh District in Pennsylvania** (Contract 362575-09-J-0232 - Indefinite Quantity Contract for Architect and Engineering Services in the Erie/Pittsburgh Area). For **West Virginia**, we currently are under our **second multiple year open-ended contract**. McKinley & Associates has designed **over 100 Post Offices for ADA compliance**. We have designed **dozens** of other Post Office facilities and engineering projects for the USPS, both new and addition / rehabilitation. A few of our newest West Virginia projects are the \$460,000 Clarksburg Chiller Replacement and the \$375,000 Charleston P&DC HVAC Renovation. A few of our newest Pennsylvania projects are in Altoona, Monogahela, Washington, and C...

# 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

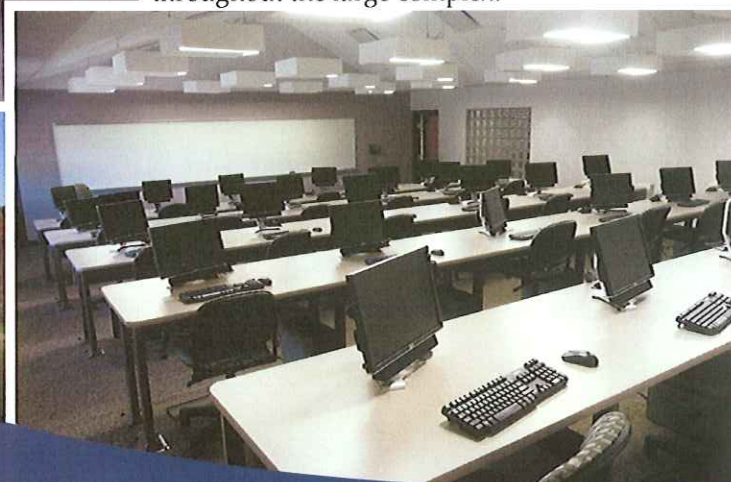
### Project Architect

Christina Schessler, AIA

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. The Users we have spoken to enjoy teaching in our facility. Contextually, it "fits" into the Jackson's Mill Campus and local agricultural community.

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.



# 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.





# WV State Office Complex

Weirton, West Virginia

## Owner

State of West Virginia

## Size

39,500 SF

## Construction Cost

\$4 million

## Project Architects-Engineers

McKinley & Associates

## Project Architect

Gregg Dorfner, AIA

## Contractor

Walters Construction

The West Virginia State Office Complex (Building 34) in Weirton is a \$4 million state-of-the-art building that houses **judicial offices** along with **office space**. This **two-story, 39,500 SF office building** was constructed with a structural steel frame and concrete foundations, cast concrete floors, precast concrete panel system, EPDM roof, two elevators, rooftop HVAC System, and building automation system. Also included was site work. This State Office Building accommodates the **Bureau of Employment Programs, the Department of Health and Human Resources, the Division of Motor Vehicles, the Lottery Commission, Rehabilitation Services and the Work Force Investment Board**. For **security**, the entire building has swipe-card access, CCTV video monitoring and other surveillance equipment, an x-ray machine, metal detector, an employee-only entrance, uninterruptible power supply, bullet-proof glazing and tinted/reflective glazing,



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# WV State Office Building

Logan, West Virginia

Owner  
State of West Virginia

Project Architects-Engineers  
McKinley & Associates

Size  
52,300 SF approx.

Project Architect  
Thomas R. Worlledge, AIA, LEED AP



Currently under construction is this West Virginia State Office Building for the West Virginia General Services Division. This 5 story, 53,200 SF 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 streetscape design along the north and south faces of the building are to act as a template for all future sidewalk development. We are reusing old street pavers from the demolition of the streets and promoting those pavers in part of the new adjacent sidewalk design. The designated plaza is a closed portion of Cole Street and features several raised planters shaped by a symmetrical crisscrossing network of joint patterns and brickwork. Major brick patterns intersect at a paver quilt star, a symbol of West Virginia heritage that is carried into the foyer of the building.

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.

This State Office Building will accommodate the Division of Rehabilitation Services, the Department of Health and Human Resources, the Insurance Commission, General Services Division, the Tax Department, and the Work Force Division.



Artist Rendering



# Panhandle Cleaning and Restoration offices and warehouse

## Triadelphia, West Virginia

### Owner

Panhandle Cleaning & Restoration

### Size

32,000 square feet including  
the 6,400 SF 2-story mezzanine

### Construction Cost

\$3.5 mil.

### Project Architects-Engineers

McKinley & Associates

### Project Architect

Christina Schessler, AIA, LEED AP

Panhandle Cleaning & Restoration invested \$3.5 million in a new prefabricated metal building. The exterior measures 130'x200', which includes a 6,400 SF 2-story mezzanine within the structure, providing 32,000 total warehouse square feet. The exterior walls are finished with masonry infill and metal siding. Interior space varies between 20' - 30' clear of the metal structure. The free-standing masonry area with a conventionally framed platform above it provides an additional storage area enabling the Owner to take advantage of the 2 ½ story clear height along one end of the warehouse. An additional prefabricated 8,600 SF, 2-story office building is attached to the warehouse along the high side of the warehouse.

Panhandle provides 24-hour emergency disaster clean-up services and therefore required some special plumbing and mechanical systems: a separate de-ionizing water system, fully exhausted ozone decontamination rooms and electronic equipment drying areas were engineered into the warehouse space.



# Wagner Building

Wheeling, West Virginia

## Owner

The Maxwell Partners

## Size

60,000 SF approx.

## Construction Cost

\$6.2 mil.

## Project Architects-Engineers

McKinley & Associates

## Project Architect

Gregg Dorfner, AIA

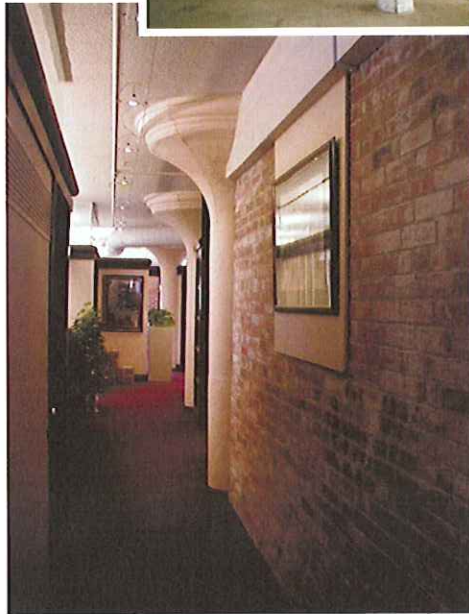
## Contractors

Pat R. Ionadi Corp. & Davison Electric

Located in the midst of the renaissance of downtown Wheeling, the historic Wagner Building is listed on the **National Register of Historic Places** and is the centerpiece of the new 10-acre Celoron Plaza Office Park. The Wagner Building was an old sugar warehouse built in the 1930s, and after being vacant for over 30 years, McKinley & Associates totally renovated this 7-story structure in phases, and turned it into a corporate center that includes beautiful Class "A" office suites as well as a new bank.

Work included total design of mechanical, electrical and fire suppression systems as well as all architectural components. ADA compliance design, including elevator replacement, was also a major part of this project. Our firm also worked within the Standards of the Department of Interior for this 60,000 square-foot structure. This project was challenging due to the fact that it was renovated on a floor-to-floor basis. This \$6.2 million office tower dominates the waterfront skyline and affords tenants incredible and unsurpassed panoramic views of the majestic Ohio River.

BEFORE  
and AFTER



# Orrick Building

Wheeling, West Virginia

Owner  
Orrick Corporation

Size  
88,000 SF approx.

Construction Cost  
\$8 million

Project Architects-Engineers  
McKinley & Associates

Project Architect  
David B. McKinley, PE

Contractors  
John Russell Construction



This four-story, 88,000 SF former historic warehouse is now "Class A" office space in downtown Wheeling. The building houses the international law firm Orrick. This 100 year old warehouse was renovated to create some of the most creative office space in the State. Architecture and engineering design was completed in-house and included structural, mechanical, civil, electrical and fire suppression systems. This building became the company's **Global Operations Center**; no other firm has a 24/7 facility that rivals it. The GOC provides the firm and its clients with a central business infrastructure that delivers comprehensive and reliable support services around the world, around the clock. The project cost was in excess of \$8 million dollars and won the AIA Merit Award.

Security for the facility was to be comparable to the rest of the firm's nation-wide facilities. It should not appear fortress-like. The security system included a card access system that allows single card with multiple-levels of access programmed into that card is desired; card reader access is required at front door, NOC, elevators, loading dock, stairs, and other sections; glass break and/or motion detectors are required on the ground level; an intercom at the front door; security cameras at the loading dock, rear parking lot, and front door; and more.



# Bennett Square

Wheeling, West Virginia

Owner

McKinley Properties, LLC

Size

22,000 SF approx.

Construction Cost

\$6.8 mil.

Project Architects-Engineers

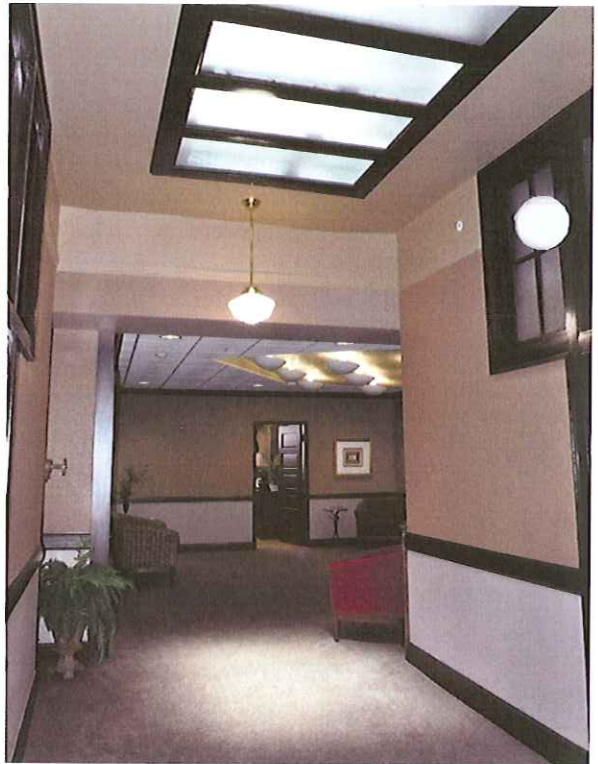
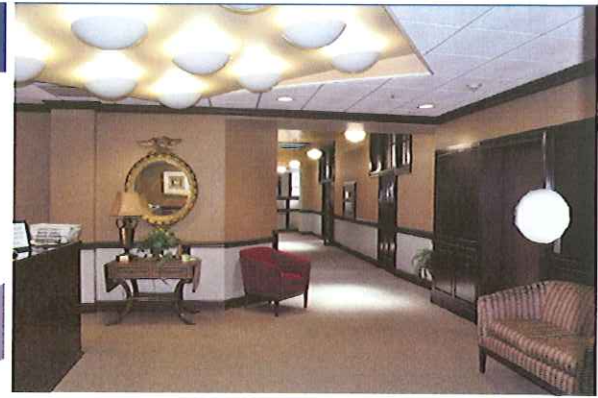
McKinley & Associates

Project Architect

Denis Gill, AIA

Contractors

Walters Construction



Phase I was recently completed on Bennett Square, a 22,000 SF, total renovation project of the old Ohio County Public Library Building in Wheeling, WV. The project budget for this facility is approximately \$6.8 million dollars. Work includes architectural elements as well as major electrical and mechanical systems design. Renovations included a new roof with multiple skylights, windows, doors, paint, stairwells, terra cotta restoration, exterior masonry, and a new elevator was also included. The finished project houses "Class A" office space in this historic facility.

# Dr. Ganzer Office Building

Wheeling, West Virginia

## Owner

Dr. Greg Ganzer

## Size

15,000 SF

## Construction Cost

\$1.5 mil. approx.

## Project Architects-Engineers

McKinley & Associates

## Project Architect

Ray Winovich, RA

## Contractors

Cattrell Companies



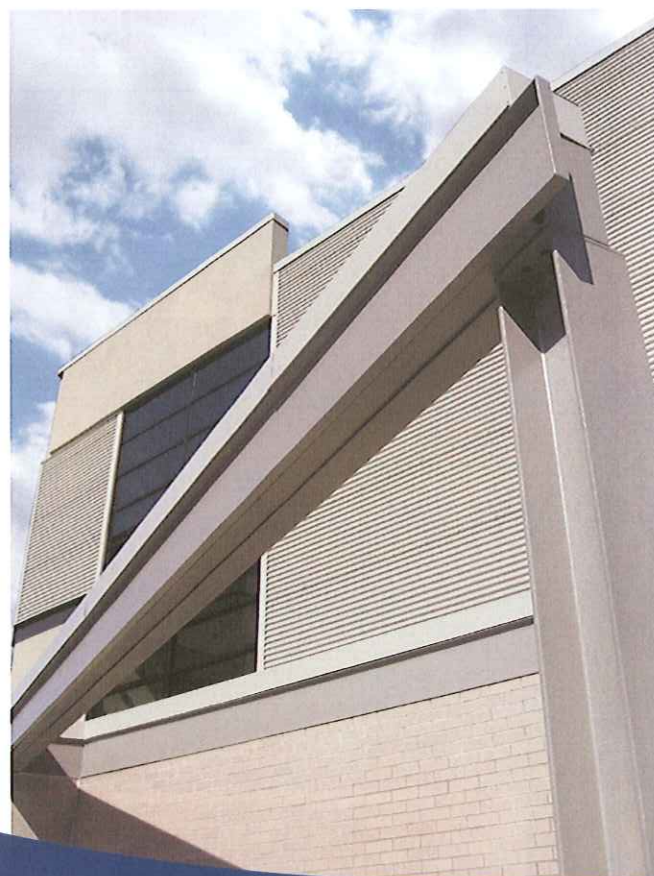
BEFORE  
and AFTER



A complete renovation was performed on an old YMCA Building purchased by Dr. Ganzer. McKinley & Associates were responsible for all Architecture and Engineering Design and Contract Administration on this 15,000 SF Medical Office Building. The project was completed in two phases, and included a Medical Spa and Cosmetic Center, Medical Offices for Dermatology Practice, Exam Rooms, Treatment Rooms, a Nurse's Office and a Doctor's Office. A new elevator was added, and the two stairwells were renovated.

The first floor includes a vestibule, a lobby, mechanics and electrical rooms, a waiting room with reception area, 2 exam rooms, a doctor's office, nurse's room, book keeping room, light room, and a room for future expansion, to name a few.

The second floor includes a lobby, a waiting room, an office, a consultant's room, 6 spa rooms, a cosmetics room, a break room, and a storage area to name a few.



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# Maxwell Centre

Wheeling, West Virginia

**Owner**

The Maxwell Partners

**Size**

51,000 SF approx.

**Construction Cost**

\$2.3 million

**Project Architects-Engineers**

McKinley & Associates

**Project Architect**

Denis Gill, AIA

**Contractors**

Walters Construction

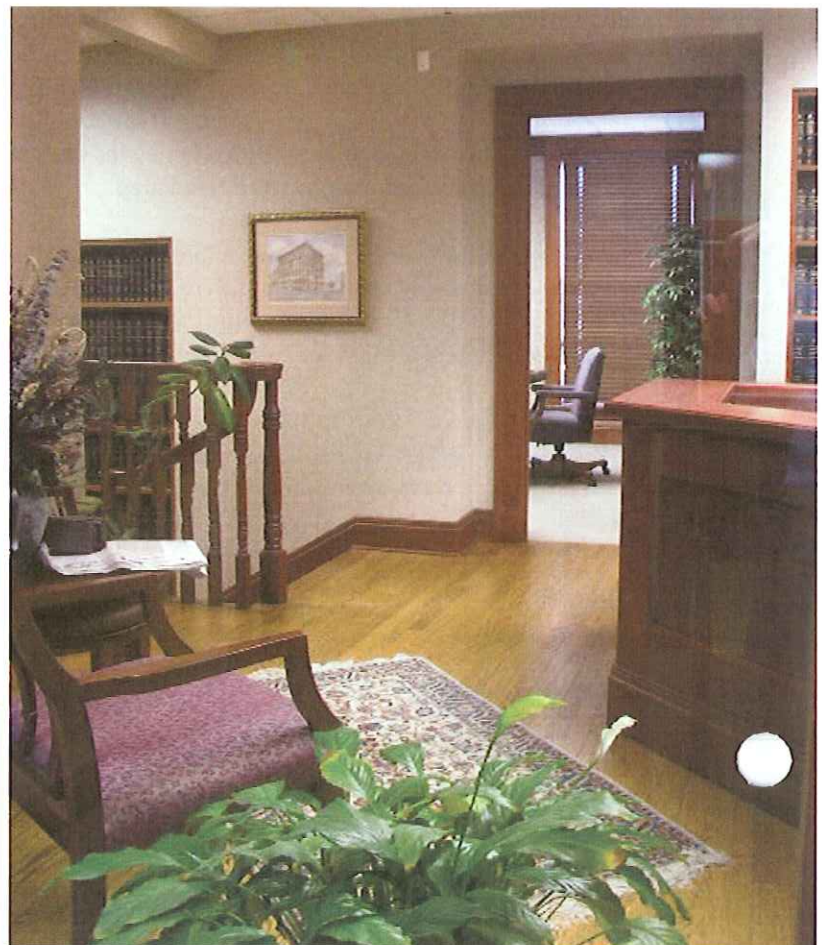
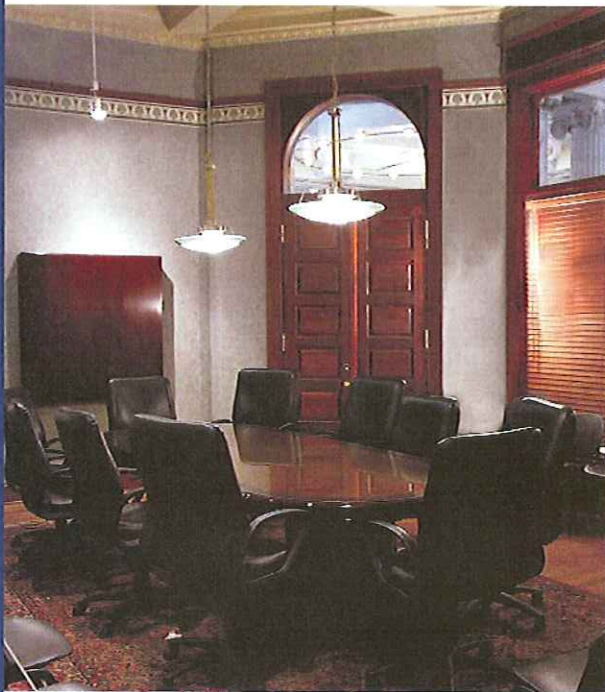


and  
AFTER



The Maxwell Centre is now Wheeling's premier business address. In just over a year, this former YMCA facility is the home for over 100 professionals in two law firms, an accounting company, and McKinley & Associates. Dedicated to saving the past and long known as one of the state's leading historic preservation firms, McKinley & Associates led the way for this total renovation and restoration of a 1908 structure. The Maxwell Centre represents the firm's latest effort in protecting the historic fabric of Wheeling.

Work on this five story building included researching the architectural past as well as all new systems, including; mechanical, electrical, plumbing and fire and life safety. All design work and construction administration was completed by our firm. It was recognized and awarded a West Virginia AIA Honor Award, a Governors Award for Historic Preservation, a Friends of Wheeling - Architectural Preservation Award, a Wheeling Victorian Society - Property Improvement Award for Adaptive Reuse, a Civitans Award - Grand Victorian Property Improvement Award, a City Council & Mayor's Award for Preservation. and a City of Hope Preservation Award.





# Mythology Office

Charleston, West Virginia

## Owner

City of Charleston

## Size

1,650 SF approx.

## Project

Architects-Engineers  
McKinley & Associates

## Project Architect

Nicole D. Riley, Assoc. AIA

## Contractor

The City of Charleston Construction Team



Close-Up of an Airline Cable Anchoring the Kitchenette's Hanging Sheet Metal Wall



This renovation project involved architectural, engineering and interior design services. Mythology was a start up marketing and branding consultation firm headed by Jeff James, a veteran of the Microsoft Marketing engine. Originally from Glenville, WV, Jeff brought his family back from the four corners of the United States to West Virginia; partly for the view, but also to prove you could run a **high tech communications firm** from anywhere in the world. Jeff needed more than his home office to entertain clients and develop team leaders for his concept; therefore, he chose a portion of a floor of the Appalachian Power Park Building, overlooking the newly constructed Appalachian Power Ball Park located in the heart of a swell of reconstruction in Charleston's Furniture District.

Taking elements from Jeff's background, such as his eclectic taste in music and art, the interior exudes a masculine nature while welcoming the first time client. The interior build-out was constructed by the Owner's construction team. A full glass and cherry door welcomes visitors; while a solid wood sliding door opens the conference space, which has a 6 foot wide aluminum frame winding, giving a direct view to the first base line of the Appalachian Power Ball Park. The majority of the existing concrete flooring is mottled by a soy-based stain and sealer in colors of cobalt blue and black, while the conference room and offices have a calming palette of light greens and blues in the modular carpet. Accent walls highlight Jeff's art with multiple runs of mini dichroic halogen lamps. Natural light from newly installed aluminum storefronts flood the space, allowing for a creative response to light control in ways of perforated rolling shades. The original concrete waffle structure above was left exposed and painted a flat black while the exposed spiral duct was painted a matching blue to the concrete stain.

A kitchenette is cleverly tucked into a corner behind a repurposed sheet of galvanized perforated sheet metal anchored with airline cable. IKEA designers in the Pittsburgh location lent their expertise to the kitchen design with selection, ordering and delivery to the building.

# Colson Hall West Virginia University

Morgantown, West Virginia

## Owner

West Virginia University

## Size

35,000 SF approx.

## Construction Cost

\$5.6 mil.

## Project Architects-Engineers

McKinley & Associates

## Project Architect

Denis Gill, AIA

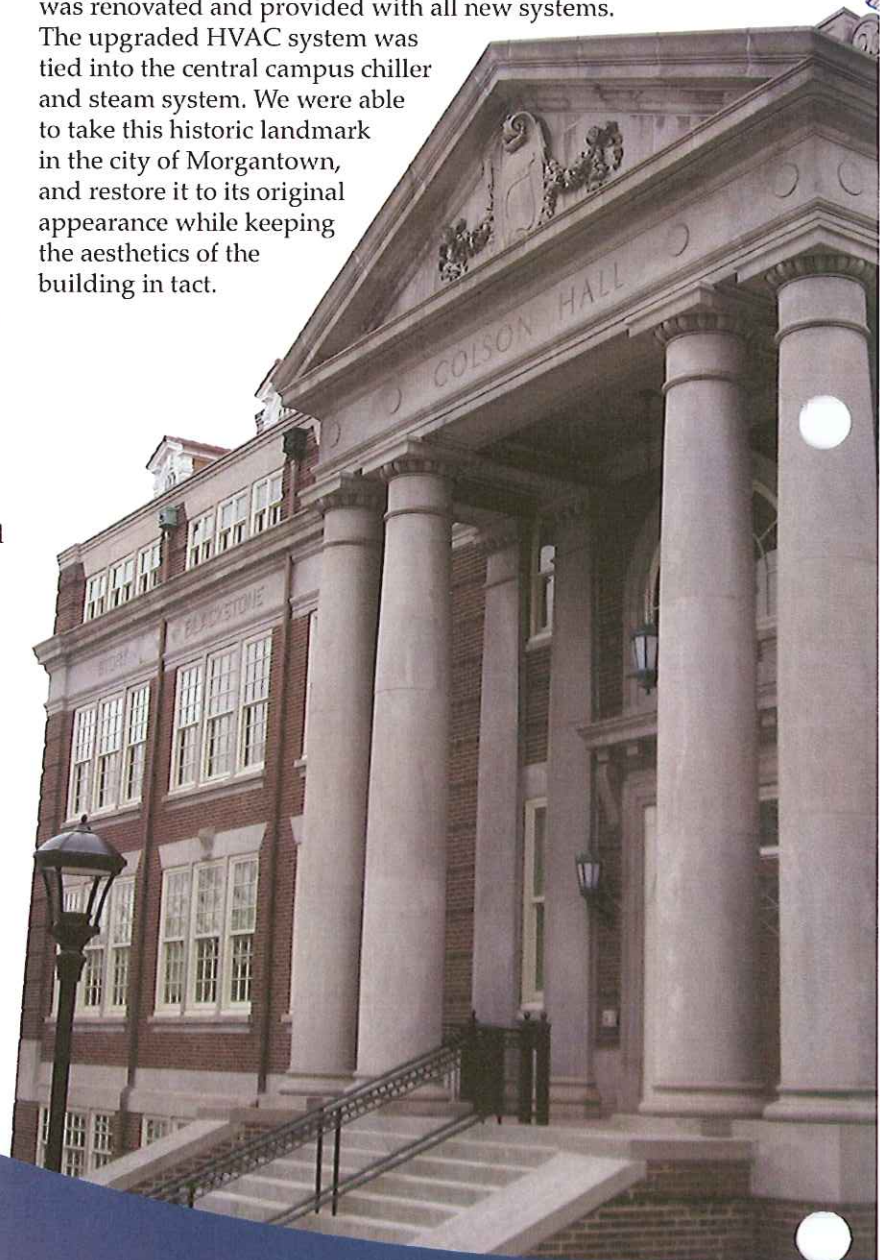
## Contractor

TEDCO Construction

During the process the owner requested the exterior of the building be restored to its original design, and due to our experience with historic preservation work, we were able to accomplish the needed construction of the façade to bring it back to its original appearance. **Since this building is now the home to offices**, we had to create a quiet and comfortable HVAC system, create adequate lighting, and design a data/communication system that met the needs of today's faculty requirements, while at the same time still keeping the original design in tact.



McKinley & Associates completed a renovation/restoration project on Colson Hall at the downtown campus of West Virginia University in Monongalia County, West Virginia. Completed on November 1, 2007, this \$5.6 million project involved renovation and restoration to this approximately 35,000 SF historical facility. The scope of work was to take this existing building and **readapt it for use as a faculty office building** with additional classrooms. Work included architectural elements as well as major electrical and mechanical systems design. The building was renovated and provided with all new systems. The upgraded HVAC system was tied into the central campus chiller and steam system. We were able to take this historic landmark in the city of Morgantown, and restore it to its original appearance while keeping the aesthetics of the building in tact.



# 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

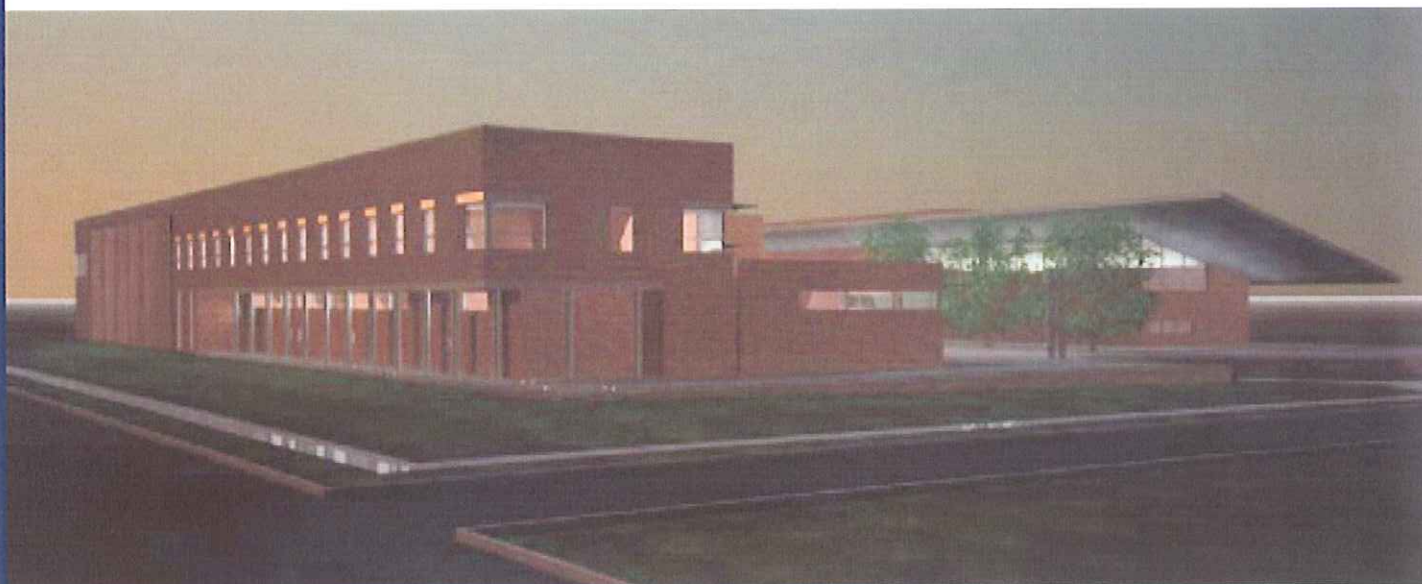
## Project Architect

Assemblage Architects

## 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

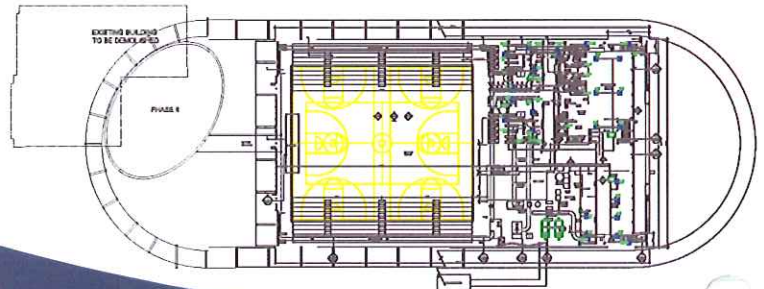
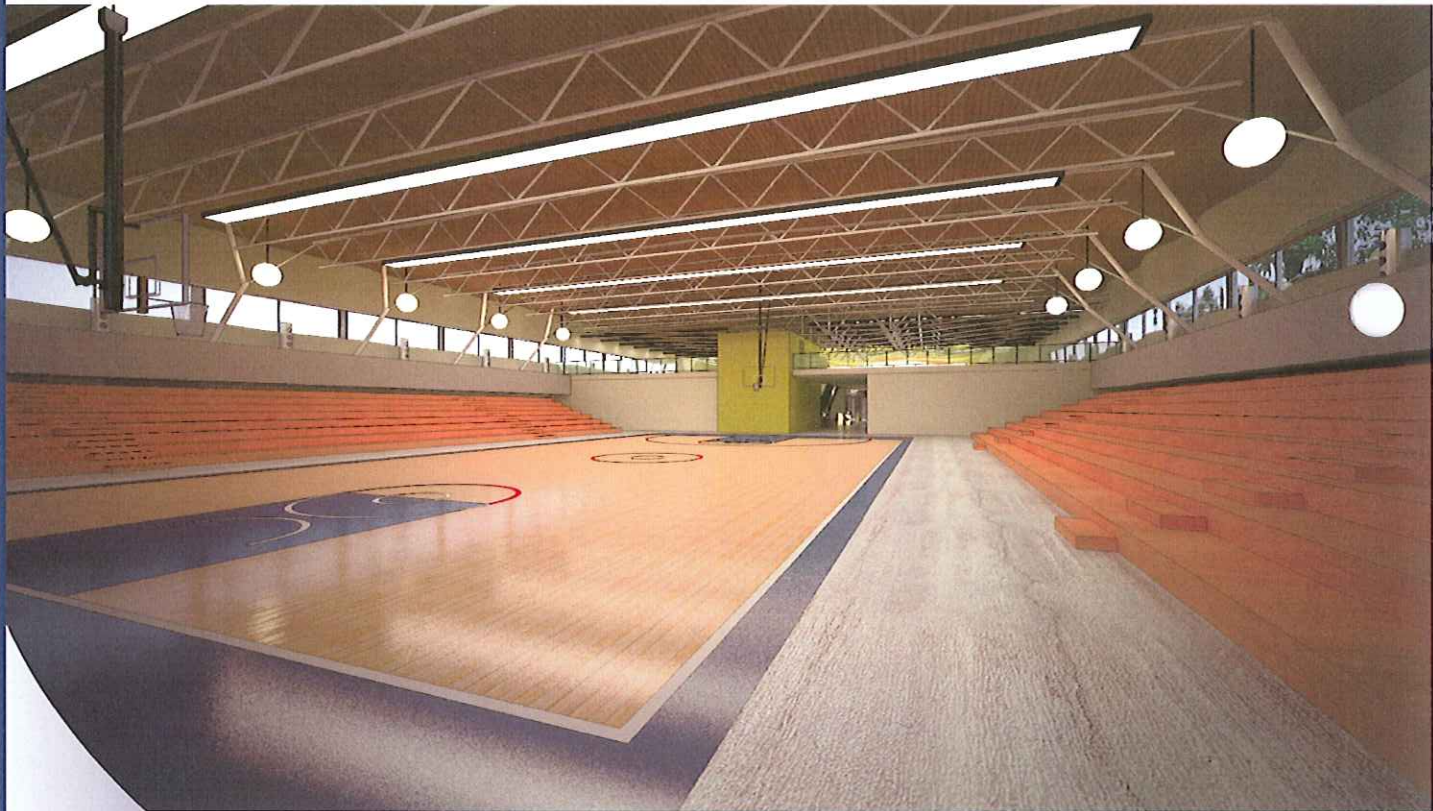
Assemblage Architects

## 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.



# Hilltop Elementary School Marshall County Schools

Sherrard, West Virginia

Owner  
Marshall County Schools

Size  
49,700 SF approx.

Construction Cost  
\$8.4 million

Project Architects-Engineers  
McKinley & Associates

Project Architect  
Thomas R. Worledge, AIA, LEED AP

Contractor  
Grae-Con Construction



The 49,700 SF Hilltop Elementary School didn't start out as a green school but the design intent was to incorporate good sustainable design practice. This \$8.4 million school was designed to blend into the backdrop of a small rural community. Typical of West Virginia, hilly terrain prohibits huge, sprawling facilities. The school board wanted to use the property it already owned; a little used football field at the local middle school fit the need for both parameters. During design coordination with the engineering team members the energy model that was developed compelled the designers to reduce the chiller capacity and system design; thus reducing energy use while saving money. Sun shades mounted over classroom windows eliminate noonday sun from equinox to equinox. After reviewing the design, the client chose to submit for **LEED Certification**. A lot of time was spent researching LEED-approved furnishings, finishes, etc. to make the indoor environmental quality conducive to learning, and to minimize maintenance. A combination of masonry and metal siding was chosen for durability and all were manufactured locally. The metal siding and roofing is **Cradle to Cradle Certified** which is a program that focuses on manufactures whose products are perpetually recycled; new roofing and siding from old roofing and siding in a closed loop. The School Building Authority's 2009 Limit on New Elementary School Design is \$217/SF, but Hilltop Elementary's final price is less than \$170/SF. This amount was well below the national average for elementary school construction, sustainable or not. The client has realized savings in the first school year in shape of lower electricity bills. **Hilltop Elementary is the first and only LEED Certified school in the state of West Virginia!**

# Cameron Middle School / High School Marshall County Schools

Cameron, West Virginia

Owner  
Marshall County Schools

Size  
130,000 SF approx.

Construction Cost  
\$32 million

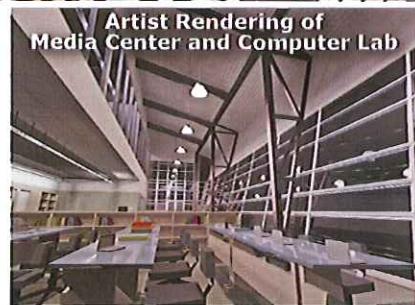
Project Architects-Engineers  
McKinley & Associates

Project Architects  
Gregg P. Dorfner, AIA  
Patrick J. Rymer, AIA

Contractor  
Nello Construction



Currently under construction is the new Cameron Middle School / High School for Marshall County Schools (MCS). This is a 270-student High School, to which a 155-student Middle School program and a HS-level Agricultural Sciences program are added; total school capacity is 425 students attending grades 6 thru 12. This \$32 million facility was designed with potential **LEED Silver Certification**, incorporating sustainable, "green" concepts.



Artist Rendering of Media Center and Computer Lab



This project was bid \$2.5 million under budget. The facility is approximately 130,000 square feet. In addition to the main facility, the school will include two greenhouses which will service the Agricultural Science vocational program, as well as an Exergaming and Wellness Center. The Agricultural Science programs include Horticulture, Meat Processing Labs, and Agricultural Mechanics. The proposed site has been selected based on economic viability as well as its location adjacent to existing athletic facilities.

The plan has incorporated green design practices such as a predominately south facing orientation, extensive use of daylighting, and inherent thermal mass of the earth for passive heating & cooling. **The Chilled Beam HVAC System will be the first of its kind in the state.** The school is designed so that the building itself is used as a retaining wall stepping up the hill, allowing the school to be built in agreement with the existing topography. MCS has made an extensive effort to make the school both economically feasible and environmental sensitive.

The Exergaming and Wellness Center will be available for both student and public use. The new facility is designed with better security for students and will be configured as a local "safe center" to be utilized by the community during times of natural disasters or possible terrorist actions. This school will not only benefit students and parents, it will contribute to the community as a whole.

