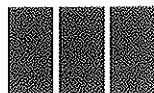
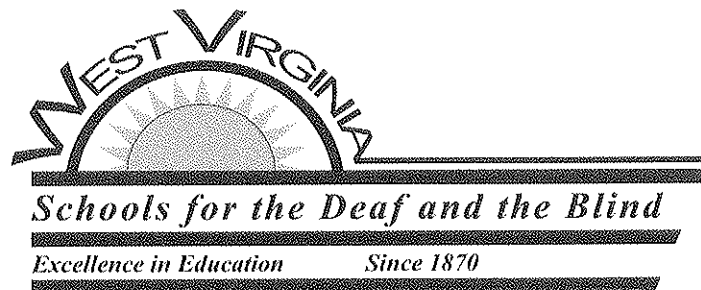


WEST VIRGINIA SCHOOLS FOR THE DEAF AND BLIND

DBSM111059 Comprehensive Education Facilities Plan

April 12, 2011
1:30 PM



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

in association with:

Winter & Company

Special Needs Studio



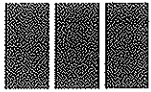
and

**STAFFORD
CONSULTANTS
INCORPORATED**
Engineering, Design and Consulting
Planning and Environmental Services

RECEIVED

2011 APR 11 AM 11:42

WV PURCHASING
DIVISION



McKINLEY & ASSOCIATES

ARCHITECTS • ENGINEERS • INTERIOR DESIGN

April 8, 2011

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

Dear Ms. Murray and Members of the Selection Committee:

McKinley & Associates, Inc., Winter & Company's Special Needs Studio, and Stafford Consultants, Inc. (McKinley/Winter/Stafford) have formed a collaborative, integrated team to work with the West Virginia Schools for the Deaf and Blind in providing professional architect/engineering services to develop a Comprehensive Educational Facilities Plan (CEFP). Our Firm is very sensitive to children with different abilities as our company's founder, David McKinley, as well as one of our design employees, is hearing impaired. We know first-hand the challenges faced by individuals with unique abilities, which is why we had the insight to team with Winter & Company's Special Needs Studio as our consultant. Their design expertise in this field will help in developing the comprehensive plan that your students and faculty deserve. As you review this submission, we emphasize the following strengths of McKinley/Winter/Stafford with respect to your project:

McKinley & Associates has been providing design services since 1981. With offices in Wheeling and Charleston, WV and Washington, PA, we support a in-house professional staff of 36 that includes architects; mechanical, electrical, plumbing/life safety engineers (MEP engineers); and construction administrators, as well as a Certified Interior Design department. We are proud to be generally considered the largest full service A/E firm in the State of West Virginia. We have **3 Recognized Educational Facility Professionals (REFPs)**, who were all designated as such by the Council of Educational Facility Planners International. Our staff also includes **4 LEED Accredited Professionals (LEED APs)** on staff, in both the architectural and engineering fields, all designated by the United States Green Building Council.

McKinley & Associates takes great pride in our designs, and "Educational Facilities" is one of the primary focus markets for our Firm. This experience enables us to consistently design projects lower than the projected square footage cost. Our greatest strength is our ability to listen to our Clients and deliver their projects successfully. We currently support clients in a number of significant educational projects - both renovation and new construction - that demonstrate this ability.

We currently are contracted with 14 West Virginia School Counties to provide their 10 year CEFP's 2010-2020, which comprises over 160 school Facility Buildings. A major aspect of this plan is to re-evaluate energy and operating efficiencies and prioritize the replacements or upgrades that will lead to a more energy-efficient operating system. The process provides two major advantages to our clients. First, they are better able to plan for future capital improvements and second, they are prepared with budgets for each of these upgrades when non-traditional funding sources became available, such as the American Recovery & Investment Act. We are now in the process of helping these counties secure funding through many different resources including the School Building Authority as well as local funds to implement their plans.

Winter & Company's Special Needs Studio (WCSNS) is led by its principal, John Dickinson, who is hearing impaired. As the top design firm in the country in this field, WCSNS is often retained as the design architect for schools and other educational facilities serving students with special needs. They work with local architects to take projects from conceptual design through construction documents, helping to ensure sensitivity toward special needs users and compliance with local and federal requirements. WCSNS has completed 7 CEFPs throughout the country for similar schools. With this experience, they know the need for agencies, architects and planners for today's special needs education facilities to be forward thinking and solution-oriented. Plans must provide for new technologies and

specialized communication. For example, hallway widths and lighting systems should allow for comfortable lip reading and sign language communication. Mechanical and lighting systems must also be designed and situated so as not to interfere with the operation of hearing aids and cochlear implants. WCSNS's design and planning expertise helps ensure that the unique needs of differently-abled students and staff are a central consideration in the design of special needs educational facilities.

To round out our team we have **Stafford Consultants** as our civil and structural engineering partner. Stafford is a West Virginia firm, employing a staff of twenty-five, including six registered professional engineers, and is highly qualified and capable of completing various civil and structural projects. They have worked with us as a consultant with several of our educational clients. Their services include site grading plans, athletic fields, structural analysis and storm water plans. Stafford is capable of handling all our your civil and structural needs. The projects on which they have worked with McKinley & Associates include Chapmanville Regional High School, Parkersburg High School, Parkersburg South High School, Williamstown High School, Hilltop Elementary School, Wheeling Park High School, Cameron Middle School/High School, and Hancock County's multi-school projects currently under way.


To further emphasize McKinley & Associates involvement with schools in West Virginia, we are currently working with the School Building Authority for their School Safety and Vulnerability Assessments for ALL SCHOOLS located in the State of West Virginia; approximately 675 schools. The mission or purpose of this project is to provide suggested improvements for enhancing school safety, provide technical support to school administrator and others to enhance the safety and security of WV schools, and to support the effort to digitally "map" all public schools in the State of West Virginia. This will assist the State in developing and implementing a comprehensive program that will conduct assessments, complete Automated Critical Asset Management System (ACAMS) data collection and entry, and complete the acquisition of safety data on all school facilities in the state.

McKinley & Associates is very excited about your proposed CEF. As you look ahead, it is very important to have a qualified partner to help you guide your comprehensive plan. McKinley & Associates' relationship with the Department of Education and the School Building Authority will be an asset as you begin to implement your plan of proposed projects. Additionally, the experience our staff has with educational facility planning will be instrumental in obtaining your goals. The volume of projects currently in process best defines our work. Our firm is currently in the process of planning, designing, and/or construction of in excess of \$175 Million dollars of K-12 work. With both architectural and engineering expertise "In-House", this allows the West Virginia Schools for the Deaf and Blind to obtain a comprehensive view of the entire scope of work to be completed as well as utilize a local firm to service your needs.

Our team is also quite familiar with projects that respect the historic nature of the building and have completed numerous historically significant projects, including many listings on the National Register as well as projects listed as National Historic Landmarks. We are committed to saving and rehabilitating our past. Our past Historic Preservation experience includes extensive interaction with The Secretary of the Interior's Standards for the Treatment of Historic Properties and The West Virginia State Historic Preservation Office. Our efforts include qualifying structures for the National Register of Historic Places, renovating contributing buildings in Historic Districts, and qualifying clients for Historic Rehabilitation Tax Credits.

You will see in our submittal that we have included several professionals to handle all of the projects which may arise from the CEF. If these projects require additional staffing, we have the ability to dedicate additional resources to accomplish your goals. We are committed to each of our projects and encourage you to check with our references. Most of our clients are repeat, which is a good indication of the services we provide. Thank you for reviewing our submission and considering McKinley/Winter/Stafford for your project; we are very excited about the prospect of working with you! Give us the opportunity to show your students how our differently-abled professionals have overcome their physical challenges to become very successful in their careers.

Sincerely,



Ernest Dellatorre
Director of Business Development



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

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: April 7, 2011

State of West Virginia

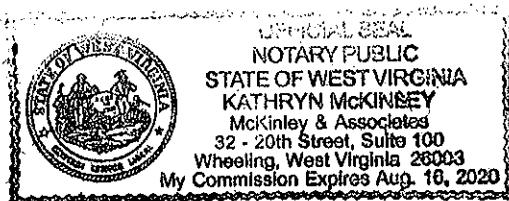
County of Ohio, to-wit:

Taken, subscribed, and sworn to before me this 7 day of April, 2011.

My Commission expires August 16, 2020.

AFFIX SEAL HERE

NOTARY PUBLIC *Kathryn McKinley*





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
DBSM111059

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
SHELLY MURRAY 304-558-8801

RFQ COPY
TYPE NAME/ADDRESS HERE

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

SCHOOL FOR THE DEAF & BLIND
RECEIVING DEPARTMENT

301 EAST MAIN STREET
ROMNEY, WV
26757-1894 304-822-4810

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/23/2011				

BID OPENING DATE: 04/12/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
EXPRESSION OF INTEREST						
THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA SCHOOLS FOR THE DEAF AND BLIND, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECT/ENGINEERING SERVICES TO DEVELOP A COMPREHENSIVE EDUCATIONAL FACILITIES PLAN (CEFP) PER THE ATTACHED SPECIFICATIONS.						
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE UPON AWARD AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.						
UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT BY THE STATE OF WEST VIRGINIA, ITS AGENCIES, OR POLITICAL SUBDIVISIONS, THE TERMS, CONDITIONS AND PRICING SET FORTH HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.						
RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR,						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>[Signature]</i>	(304) 233-0140	4/7/2011

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

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
DBSM111059

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF
SHELLY MURRAY 304-558-8801

RFQ COPY

TYPE NAME/ADDRESS HERE

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

SCHOOL FOR THE DEAF & BLIND
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) SUCCESSIVE ONE (1) YEAR PERIODS.</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 WITH THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID, AND IS TERMINATED 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>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>[Signature]</i>	(304) 233-0140	4/7/2011
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
Dir. Business Development	55-0696478	

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

DBSM111059

PAGE

3

ADDRESS CORRESPONDENCE TO ATTENTION OF

SHELLY MURRAY
304-558-8801

RFQ COPY

TYPE NAME/ADDRESS HERE

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

SCHOOL FOR THE DEAF & BLIND
RECEIVING DEPARTMENT

301 EAST MAIN STREET
ROMNEY, WV
26757-1894 304-822-4810

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/23/2011				

BID OPENING DATE: 04/12/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
BUYER: SHELLY MURRAY						
RFQ. NO.: DBSM111059						
BID OPENING DATE: 04/12/2011						
BID OPENING TIME: 1:30 PM						
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
304-233-4613						
CONTACT PERSON (PLEASE PRINT CLEARLY):						
Ernest Dellatorre						
***** THIS IS THE END OF RFQ DBSM111059 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>Ernest Dellatorre</i>	(304) 233-0140	4/7/2011
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
Dir. Business Development	55-0696478	

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

Evaluative Criteria

McKinley & Associates has prepared a brief response to each of the evaluative criteria listed in the request for proposal's Part 4.1.

Firm's Qualifications - The qualifications of each firm will be rated. Evaluations will be made at least in part based upon the similarity of services provided to other school systems comparative to the requirements of this request...The firm should have experience in the area of long range comprehensive planning and be capable of translating educational needs into facilities needs.

McKinley & Associates has enjoyed our current clients list for many years. We are currently representing 14 school counties with their CEFPS and continue to handle their design needs. No project is too large or small, which is the main reason we have been able to maintain this relationship with our clients. We listen to your needs and deliver. We understand what is required with SBA funded projects and our success with Pre-K thru 12 projects speaks for itself. In the past 30 years, we have had extensive experience with similar projects. Examples of relevant projects are included in the "Projects" tab.

Our 2010-2020 Comprehensive Educational Facilities Plans are for these WV counties:

- Boone
- Brooke
- Grant
- Hancock
- Marshall
- McDowell
- Ohio
- Raleigh
- Ritchie
- Tucker
- Tyler
- Webster
- Wetzel
- Wood

For an example of translating educational needs into facilities needs, our completed CEFP for Hancock County helped them in the passage of their 2010 Bond Levy.

Firm's Qualifications (continued) - Must be licensed to provide architectural services in accordance with West Virginia Code §5G-1-3(d). Must be a current member in good standing of the American Institute of Architects (AIA). Should be a registered educational facilities planner (REFP). Please provide substantiation and/or documentation of each of the above requirements. Work pertaining to each professional discipline (i.e. architectural, mechanical, electrical, civil and structural) is to be performed by a certified and licensed individual of that discipline. Architectural firms should submit the firm names and certifications of each design discipline.

Copies of the various McKinley & Associates' (and our Professionals') licenses and certifications are seen on the next few pages.

For work pertaining to each professional discipline; McKinley & Associates has certified and licensed Architects as well as Architectural, Mechanical, and Electrical Engineers. We have teamed with Stafford Consultants Inc. to fulfill the requirements of having certified and licensed Civil and Structural Engineers on our team.

Evaluative Criteria

BOOK 66 PAGE 793



*I, Ken Hechler, Secretary of State of the
State of West Virginia, hereby certify that*

by the provisions of Chapter 31, Article 1, Sections 27 and 28 of the West Virginia
Code, the Articles of Incorporation of

McKINLEY & ASSOCIATES, INC.

conform to law and are filed in my office. I therefore declare the organization to
be a Corporation for the purposes set forth in its Articles, with the right of perpetual
existence, and I issue this

CERTIFICATE OF INCORPORATION

to which I have attached a duplicate original of the Articles of Incorporation.



*Given under my hand and the
Great Seal of the State of
West Virginia, on this*

FIFTEENTH day of
DECEMBER 19 89

Ken Hechler

Secretary of State.

Evaluative Criteria

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

MCKINLEY & ASSOCIATES, INC.

C00366-00

Engineer in Responsible Charge: DAVID MCKINLEY - WV PE 006605

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

July 1, 2010 - June 30, 2011

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL, AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

Evaluative Criteria

The West Virginia Board of Architects

certifies that

GREGG P DORFNER

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number 2000

The registration is in good standing until June 30, 2011.



Lepa C. Lewis

Board Administrator



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Evaluative Criteria

The West Virginia Board of Architects

certifies that

CHRISTINA ANN SCHESSLER

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number 3810

The registration is in good standing until June 30, 2011.



Leya C. Lewis

Board Administrator



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Evaluative Criteria

The West Virginia Board of Architects

certifies that

THOMAS R. WORLLEDGE

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number 2874

The registration is in good standing until June 30, 2011.



Lesa C. Lewis

Board Administrator

Evaluative Criteria

The West Virginia Board of Architects

certifies that

RAYMOND S. WINOVICH

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number 3753

The registration is in good standing until June 30, 2011.



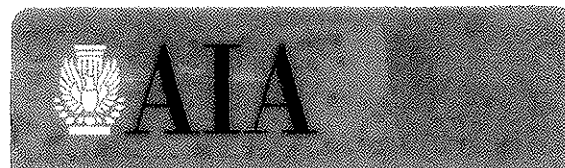
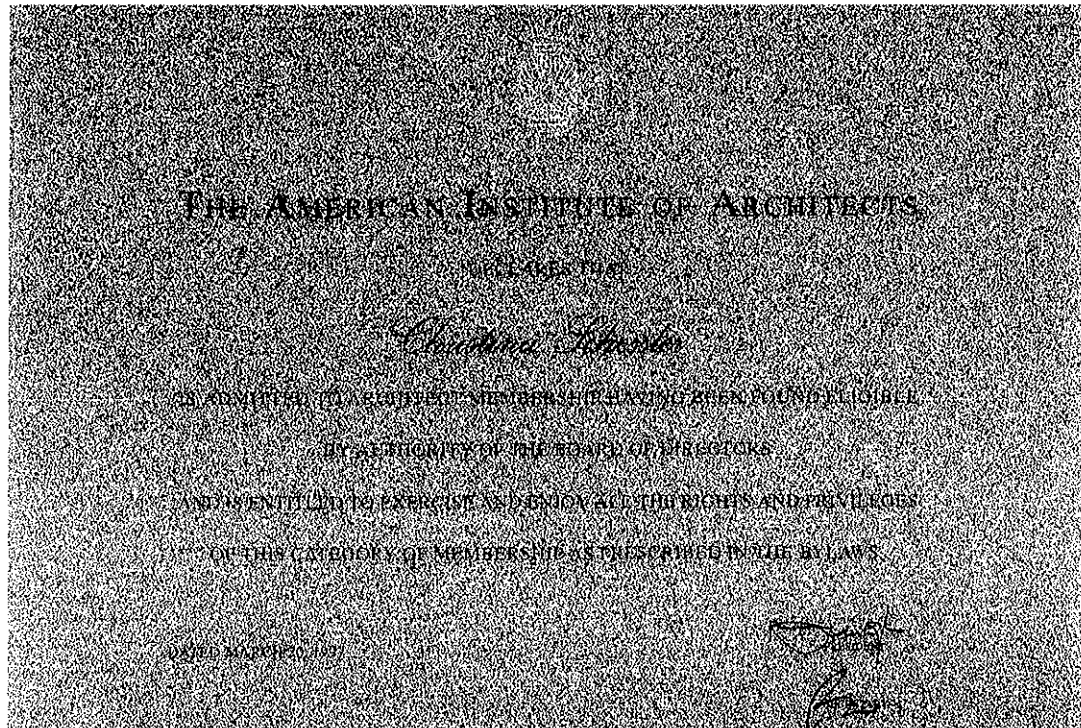
Leta C. Lewis

Board Administrator



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Evaluative Criteria



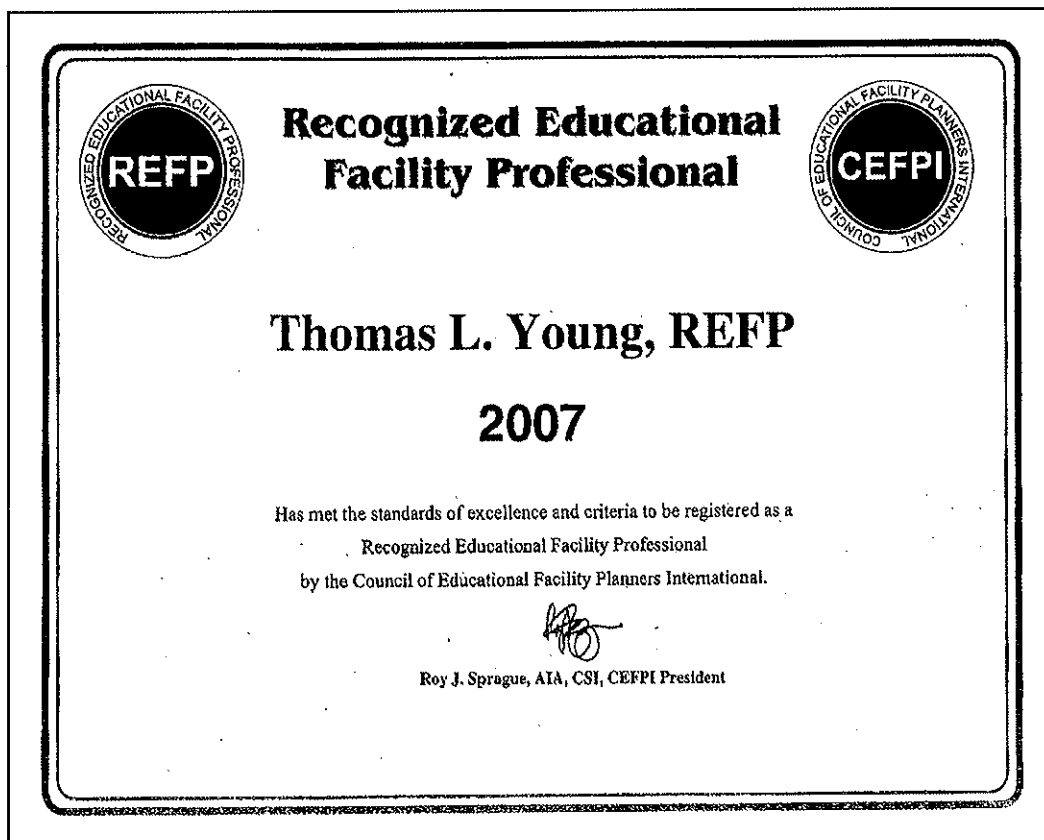
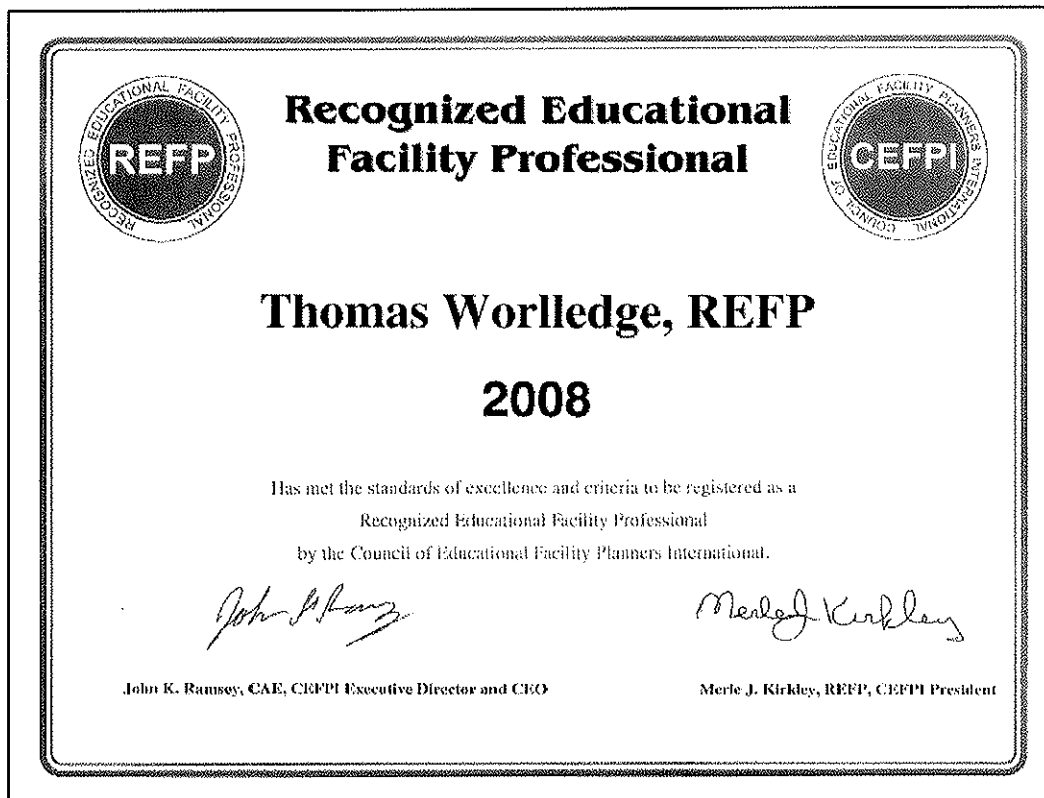
30049088

Thomas R. Worledge
AIA



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Evaluative Criteria



Evaluative Criteria

Firm's References - The firm should provide a minimum of at least three references of WV SBA and/or WV school district funded projects. Each reference should include a contact name, organization name, address, telephone and fax number, and e-mail address. Also please provide a brief narrative of each project. References may be checked to measure customer satisfaction, including, but not limited to meeting budget and/or time deadlines. The satisfaction of past clients with the firm for both projects of this nature and in general will be rated.

Ms. Suzan Smith
Hancock County Schools
104 North Court Street
New Cumberland, WV 26047
P - 304/564-3411
F - 304/564-3990
szsmith@access.k12.wv.us

Multiple projects are underway for Hancock County Schools, which are a part of a \$56 million Bond Levy that was passed in the November 2010 election. This bond call is a result of the Comprehensive Education Facilities Plan (CEFP) that was developed by McKinley & Associates. More information is included within their project sheets in the "Projects" tab.

Mr. Fred Renzella
Marshall County Schools
Post Office Box 578
Moundsville, WV 26041
P - 304/843-4405
F - 304/843-4409
arenzell@access.k12.wv.us

Multiple projects are underway/completed for Marshall County Schools, from their 2005 Bond, including 2 LEED projects. We have also completed their 2010-2020 CEFP. More information is included within their project sheets in the "Projects" tab.

Mr. Brent Nelson
Grant County Schools
204 Jefferson Avenue
Petersburg, WV 26847
P - 304/257-1011
F - 304/257-2453
enelson@access.k12.wv.us

We have completed multiple projects for Grant County Schools over the years, and we have also recently completed their 2010-2020 CEFP. More information is included within their project sheets in the "Projects" tab.

Ms. Sue Woodward
Wood County Schools
1210 Thirteenth Street
Parkersburg, WV 26101
P - 304/420-9663
F - 304/420-9513
swoodwar@access.k12.wv.us

Multiple projects are underway/completed for Wood County Schools, from their 2004 Bond. The total addition and renovation of the three high schools alone are 557,000+ SF approx and \$63+ million. We have also completed their 2010-2020 CEFP. More information is included within their project sheets in the "Projects" tab.

Mr. David Sneed
School Building Authority
2300 Kanawha Blvd, East
Charleston, WV 25311
P - 304/558-2541
F - 304/558-2539
david.a.sneed@wv.gov

We have been working with the School Building Authority since its inception in 1989. We have 14 counties' ten-year Comprehensive Education Facilities Plans (2010-2020 CEFPs). Furthermore, we have designed over \$400 million in SBA Funded Projects.

Evaluative Criteria

Firm's Experience - The type and applicability of each vendor's experience will be evaluated. The firm should provide a portfolio of prior work performed using WV SBA funding and/or WV school district funding. The scope of these projects should include at least one instance of both a new construction as well as at least one instance of renovation of existing structure(s) and/or facilities. The vendor should provide a more detailed explanation of the scope, duties, responsibilities, of the work performed for each of their portfolio projects.

Examples from our portfolio of prior work performed using WV SBA and/or WV school district funding are included in the "Projects" tab, and includes multiple new construction and multiple renovation projects. These are described in detail and include scope, work performed, etc.

Firm's Experience (continued) - The vendor should also be able to document prior experience in both school planning and compliance of projects with West Virginia State Board of Education policy 6200 (Handbook on Planning School Facilities).


For the West Virginia State Board of Education Policy 6200 (Handbook on Planning School Facilities); not only do we have vast experience working under their guidelines, but we also have 4 employees who are on various committees/subcommittees that are revising the policy.


- Bradley A. Crow, PE, LEED AP is a member of the HVAC subcommittee.
- Gregg P. Dorfner, AIA, REFP is on the SBA Performance and Design Standard Planning Committee.
- Darren S. Duskey, PE is on the Technology subcommittee.
- Thomas R. Worlledge, AIA, LEED AP BD+C, REFP is on the Sustainable / Green Building subcommittee.




Evaluative Criteria

Firm's Experience (continued) - Vendors should also list key personnel, duties, responsibilities, and qualifications of individuals to be assigned to this project.

The key personnel, duties, responsibilities, and qualifications of individuals to be assigned to this project are found within the "Design Team" tab. As an overview:

- Certified Educational Facilities Professional: Thomas R. Worlledge, AIA, LEED AP BD+C, REFP
- Certified Educational Facilities Professional: Thomas L. Young, REFP
- Certified Educational Facilities Professional: John C. Dickinson, AIA, CEFPI 

- Architect: Gregg P. Dorfner, AIA, REFP
- Architect: Christina Schessler, AIA, LEED AP
- Architect: Thomas R. Worlledge, AIA, LEED AP BD+C, REFP
- Architect: Ray Winovich, RA
- Architect: John C. Dickinson, AIA, CEFPI 
- Architect Intern: Michael S. Betsch, LEED AP
- Architect Intern: Patrick J. Rymer, Assoc. AIA
- Architectural Designer: Jane A. Doljac
- Architectural Designer: Richard B. Halbrook, Jr.
- Architectural Drafter: James S. Lubash

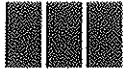
- Mechanical Engineer: Bradley A. Crow, PE, LEED AP
- Architectural Engineering: Tim E. Mizer, PE, RA
- Electrical Engineering: Darren S. Duskey, PE
- Structural Engineering: Kenneth R. Crowe, PE 
- Civil Engineering: Kevin G. Smith 
- Civil Structural Designer: Don E. Parsons 
- HVAC Engineer Intern: Travis Petri, EIT
- Senior Mechanical Engineering Designer: William D. Ciprella
- Senior Electrical Engineering Designer: Russell McClure
- Fire & Life Safety Engineering Designer: Michael A. Heath
- Plumbing & Electrical Engineering Designer: Scott D. Kain
- Civil Site Designer: Allison M. Carmichael

- "Green" Architectural Design (LEED): Christina Schessler, AIA, LEED AP
- "Green" Architectural Design (LEED): Thomas R. Worlledge, AIA, LEED AP BD+C, REFP
- "Green" Architectural Design (LEED): Michael S. Betsch, LEED AP
- "Green" Engineering Design (LEED): Bradley A. Crow, PE, LEED AP

- Interior Design: Deb Blakeman, NCIDQ #015070

- Construction Administration: Robert E. Smith

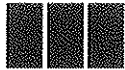




WVSDB CEFP SCHEDULE EXAMPLE

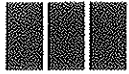
Task Performed	Primary Responsibility	Suggested Participants	Proposed Task Timeline	Current Task Status
• FORM CEFP COMMITTEE (CEC)	WVSDB ADMIN McKINLEY	WVSDB ADMIN/WVSDB McKINLEY FACULTY/STAFF COMMUNITY REPS CITIZENS	2 WEEKS	PENDING
• CONDUCT CEC WORKSHOP	McKINLEY WVSDB ADMIN	McKINLEY WVSDB ADMIN/WVSDB FACULTY/STAFF CEC	1 WEEK	PENDING
• REVIEW CURRENT SDE POLICIES	WVSDB ADMIN	McKINLEY WVSDB ADMIN	1 WEEK	PENDING
• PERFORM EXISTING FACILITY FIELD EVALUATION	McKINLEY	McKINLEY WVSDB FACILITIES	4 WEEKS	PENDING
• BEGIN CEC MEETINGS	McKINLEY WVSDB ADMIN	McKINLEY WVSDB ADMIN/WVSDB CEC	2 WEEKS	PENDING
• BEGIN CEFP NARRATIVES & DOCUMENTS	McKINLEY	McKINLEY	2 WEEKS	PENDING
• COMPLETE EXISTING FACILITY DOCUMENTATION	McKINLEY	McKINLEY WVSDB FACILITIES	4 WEEKS	PENDING
• PREPARE EXISTING FACILITY COST ESTIMATES	McKINLEY	McKINLEY	3 WEEKS	PENDING
• DISCUSS FACILITY EVALUATIONS & COSTS WITH CEC	McKINLEY WVSDB ADMIN	McKINLEY WVSDB ADMIN/WVSDB CEC	1 WEEK	PENDING
• DEVELOP PRELIMINARY CEFP GOALS & OBJECTIVES	McKINLEY	McKINLEY WVSDB ADMIN/WVSDB	1 WEEK	PENDING
• PRESENT PRELIMINARY GOALS & OBJECTIVES TO WVSDB	McKINLEY	McKINLEY WVSDB ADMIN	1 WEEK	PENDING

WVSDB CEFP SCHEDULE



WVSDB CEFP SCHEDULE EXAMPLE

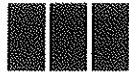
Task Performed	Primary Responsibility	Suggested Participants	Proposed Task Timeline	Current Task Status
• SUBMIT PROGRESS REPORT #1 TO SBA	WVSDB ADMIN	WVSDB ADMIN	1 WEEK	PENDING
• CONCLUDE CEC MEETINGS	McKINLEY WVSDB ADMIN	McKINLEY WVSDB ADMIN/WVSDB CEC	3 WEEKS	PENDING
• PREPARE DRAFT OF CEFP DOCS	McKINLEY	McKINLEY WVSDB ADMIN/WVSDB	2 WEEKS	PENDING
• SUBMIT PROGRESS REPORT #2 TO SBA	WVSDB ADMIN	WVSDB ADMIN	1 WEEK	PENDING
• PREPARE DRAFT OF CEFP FACILITY COST ESTIMATES	McKINLEY	McKINLEY	2 WEEKS	PENDING
• PRESENT DRAFT OF CEFP & SBA COMMENTS TO WVSDB	McKINLEY	McKINLEY WVSDB ADMIN CEC CHAIRS	2 WEEKS	PENDING
• REVISE DRAFT OF CEFP	McKINLEY	McKINLEY	2 WEEKS	PENDING
• CONDUCT PUBLIC HEARING ON CEFP REVISED DRAFT	McKINLEY	McKINLEY WVSDB ADMIN/WVSDB CEC CHAIRS	2 WEEKS	PENDING
• REVISE FINAL DRAFT OF CEFP	McKINLEY	McKINLEY	1 WEEK	PENDING
• MEET WITH SBA & SDE ON FINAL CEFP	McKINLEY WVSDB ADMIN	McKINLEY WVSDB ADMIN SBA SDE	2 WEEKS	PENDING
• PRESENT FINAL CEFP TO WVSDB FOR APPROVAL	McKINLEY	McKINLEY WVSDB ADMIN CEC CHAIRS	1 WEEK	PENDING
• SUBMIT APPROVED CEFP TO SBA & SDE FOR APPROVAL	WVSDB ADMIN	WVSDB ADMIN	2 WEEKS	PENDING



CEFP SECTION TASKS EXAMPLE

CEFP Section	Section Description	Section Task	Primary Section Responsibility	Section Task Responsibility
General	CEFP VOLUME COVERS	*STYLE, FONT TYPE & FORMAT	McKINLEY	McKINLEY
General	CEFP PAGE FORMAT & FOOTERS	*STYLE, ARRANGEMENT & FONT	McKINLEY	McKINLEY
100.000	EXECUTIVE SUMMARY	*SUMMARY NARRATIVE OF CEFP	McKINLEY	McKINLEY ED CONSULTANT WVSDB ADMIN
100.010	GOALS AND OBJECTIVES	*ITEMIZED LISTING OF WVSDB GOALS FOR CEFP	ED CONSULTANT	ED CONSULTANT WVSDB ADMIN
Report #1	PROGRESS REPORT TO SBA	*COMPLETE SBA FORM 163	WVSDB ADMIN	WVSDB ADMIN ED CONSULTANT
100.011	COMMUNITY ANALYSIS	*MAP OF DISTRICT & HIGHWAYS *POPULATION CHARACTERISTICS *POPULATION CHANGES *LAND USAGE CHANGES *SOCIO-ECONOMIC CHANGES *PROPERTY ASSESSMENTS *COMMUNITY SERVICES *EMPLOYMENT STATS *PARENTAL EXPECTATIONS *CITIZEN ATTITUDES & ASPIRATIONS *SHIFTS IN HOUSING PATTERNS *STUDY OF SCHOOL ATTENDANCE *MAP OF FUTURE DEVELOPMENT *ASSESSING PROGRAM NEEDS	ED CONSULTANT	McKINLEY ED CONSULTANT ED CONSULTANT ED CONSULTANT ED CONSULTANT WVSDB ADMIN ED CONSULTANT ED CONSULTANT ED CONSULTANT ED CONSULTANT ED CONSULTANT ED CONSULTANT McKINLEY ED CONSULTANT
100.012	POPULATION & ENROLLMENT STUDY	*POPULATION TRENDS *HISTORICAL BIRTH DATA *HISTORICAL ENROLLMENTS *DROP-OUT & ATTRITION RATES *10 YR ENROLLMENT PROJECTIONS	ED CONSULTANT	WVSDB ADMIN WVSDB ADMIN WVSDB ADMIN WVSDB ADMIN WVSDB ADMIN
100.013	THE EDUCATION PLAN	*ORGANIZATION PLAN *CURRICULUM PLAN *INSTRUCTION PLAN *OPERATIONS PLAN *SUPPORT PLAN *PERSONNEL PLAN	ED CONSULTANT	ED CONSULTANT ED CONSULTANT ED CONSULTANT ED CONSULTANT ED CONSULTANT ED CONSULTANT

WVSDB CEFP TASKS



CEFP SECTION TASKS EXAMPLE

CEFP Section	Section Description	Section Task	Primary Section Responsibility	Section Task Responsibility
100.014	EVALUATION & INVENTORY OF EXISTING FACILITIES (EACH SCHOOL)	*PHOTO OF SCHOOL *FACILITY GENERAL INFO FORM *SITE EVALUATION WORKSHEET *BUILDING EVAL (EACH ADDITION) *SINGLE-LINE FLOOR PLANS *PROGRAM UTILIZATION *FACILITY SPACES EVALUATION *SCHOOL IMPROVEMENT COST (SIC)	McKINLEY	McKINLEY McKINLEY McKINLEY McKINLEY ED CONSULTANT ED CONSULTANT McKINLEY
100.015	OPERATION AND MAINTENANCE PLAN (OMP)	*GOALS & OBJECTIVES OF THE MIP *MIP ANNUAL UPDATE *MIP PRIORITIZED PROJECTS	WVSDB ADMIN	WVSDB ADMIN WVSDB ADMIN WVSDB ADMIN
Report #2	PROGRESS REPORT TO SBA	*COMPLETE SBA FORM 164	WVSDB ADMIN	WVSDB ADMIN ED CONSULTANT
100.016	TRANSLATING EDUCATIONAL NEEDS INTO FACILITY NEEDS (EACH SCHOOL)	*PHOTO OF SCHOOL *TRANSLATING FACILITY NEEDS FORM *SINGLE-LINE FLOOR PLANS *TECH INFRASTRUCTURE FORM *BUILDING IMPROVEMENT COST (BIC) *FEEDER SCHOOL SUMMARY REPORT *HIGH SCHOOL ATTENDANCE AREA *ATTENDANCE AREA FACILITY SUMMARY *FACILITY CLASSIFICATION FORM *ABANDONED SCHOOL REPORT *EVAL OF COMPLETED CEFP PROJECTS *SCHOOL SAFETY ACCESS SCHEDULE	McKINLEY	McKINLEY McKINLEY McKINLEY WVSDB ADMIN McKINLEY McKINLEY McKINLEY McKINLEY McKINLEY WVSDB ADMIN WVSDB ADMIN WVSDB ADMIN
100.017	INTER-COUNTY FACILITY FEASIBILITY STUDY	*NARRATIVE *CONTIGUOUS COUNTY MAP	ED CONSULTANT	ED CONSULTANT ED CONSULTANT ED CONSULTANT
100.018	FINANCING PLAN	*SOURCE OF OPERATING FUNDS *BONDING CAPACITY & INDEBTEDNESS *COSTS OF CEFP IMPROVEMENTS *EXPECTED FUNDING FOR COSTS	McKINLEY	WVSDB ADMIN WVSDB ADMIN McKINLEY WVSDB ADMIN
100.019	SYNOPSIS OF COMMENTS FROM PUBLIC HEARING	*DOCUMENTATION	ED CONSULTANT	ED CONSULTANT
100.020	OBJECTIVE EVALUATION OF IMPLEMENTATION	*GRADE CONFIGURATION GOALS *EDUCATIONAL PROGRAM GOALS *CEFP GOALS *FACILITIES GOALS	ED CONSULTANT	WVSDB ADMIN WVSDB ADMIN WVSDB ADMIN WVSDB ADMIN

WVSDB CEFP TASKS

Corporate Information

Firm History

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

Braxton County High / Fairmont State University addition and renovations



Parkersburg South High School renovations



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	36
Architects & Interns	9
Engineers & Interns	5
Construction Admins	4
Arch./Eng. Designers	10
Interior Designer	1
Quality Control	2
REFPs	3
LEED APs	4
MIS	1

Locations

Headquarters

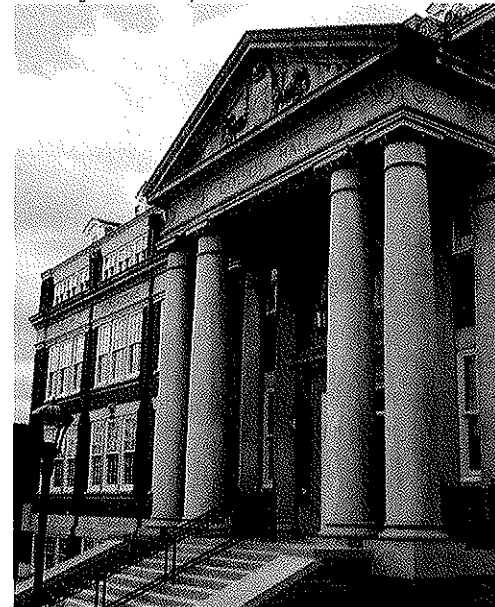
The Maxwell Centre
Thirty-Two - Twentieth Street
Suite 100
Wheeling, West Virginia 26003
P: 304-233-0140
F: 304-233-4613

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

West Virginia University - Colson Hall renovations



Credentials

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

Qualifications

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

NEW Hilltop Elementary School - Marshall County Schools



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

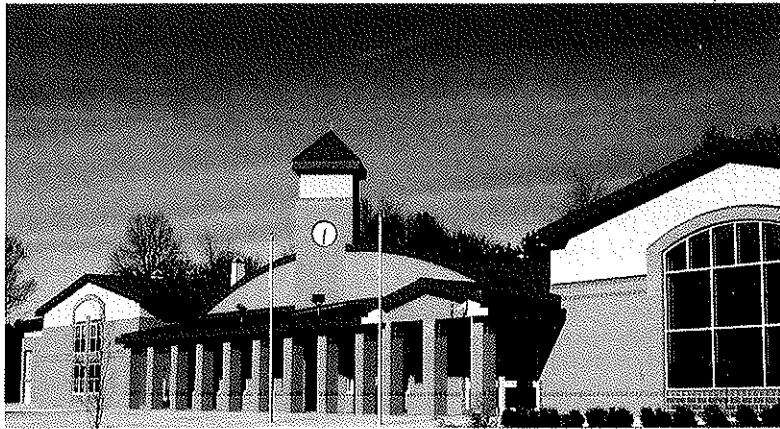
We are active members in **The Council of Educational Facility Planners International (CEFPI)**, and we have **3 employees who have achieved REFP status (Recognized Educational Facility Professional)**. We have provided design services for numerous schools and colleges in the States of West Virginia and Ohio.

Our educational involvement has included preliminary planning and cost estimating, preparation of final design and construction documents, contract administration, energy audits and facilities evaluation.

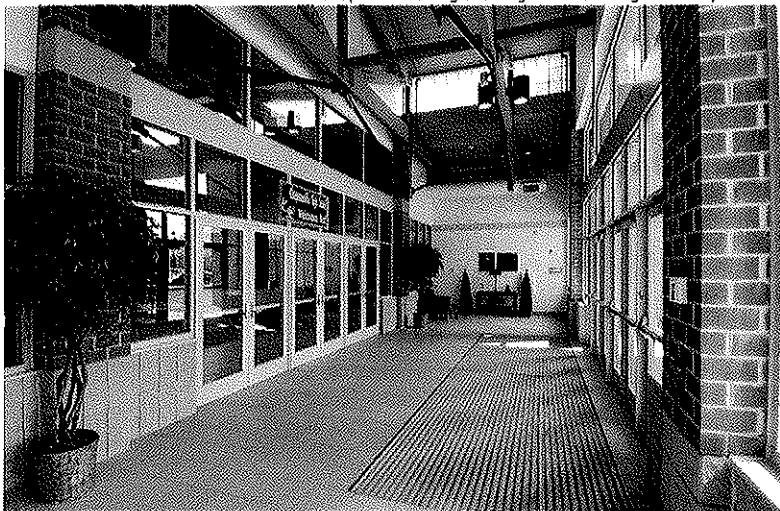
Some of our most recent educational projects are the **\$63+ million High School projects in Wood County, WV**, the **\$21 million new Chapmanville High School in Logan County, WV**, and the **\$5.5 million renovation project to Colson Hall on the West Virginia University campus in Morgantown, WV.**

Generally recognized as **West Virginia's largest A/E firm**, our **36 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.**

NEW Oak Glen Middle School - Hancock County Schools



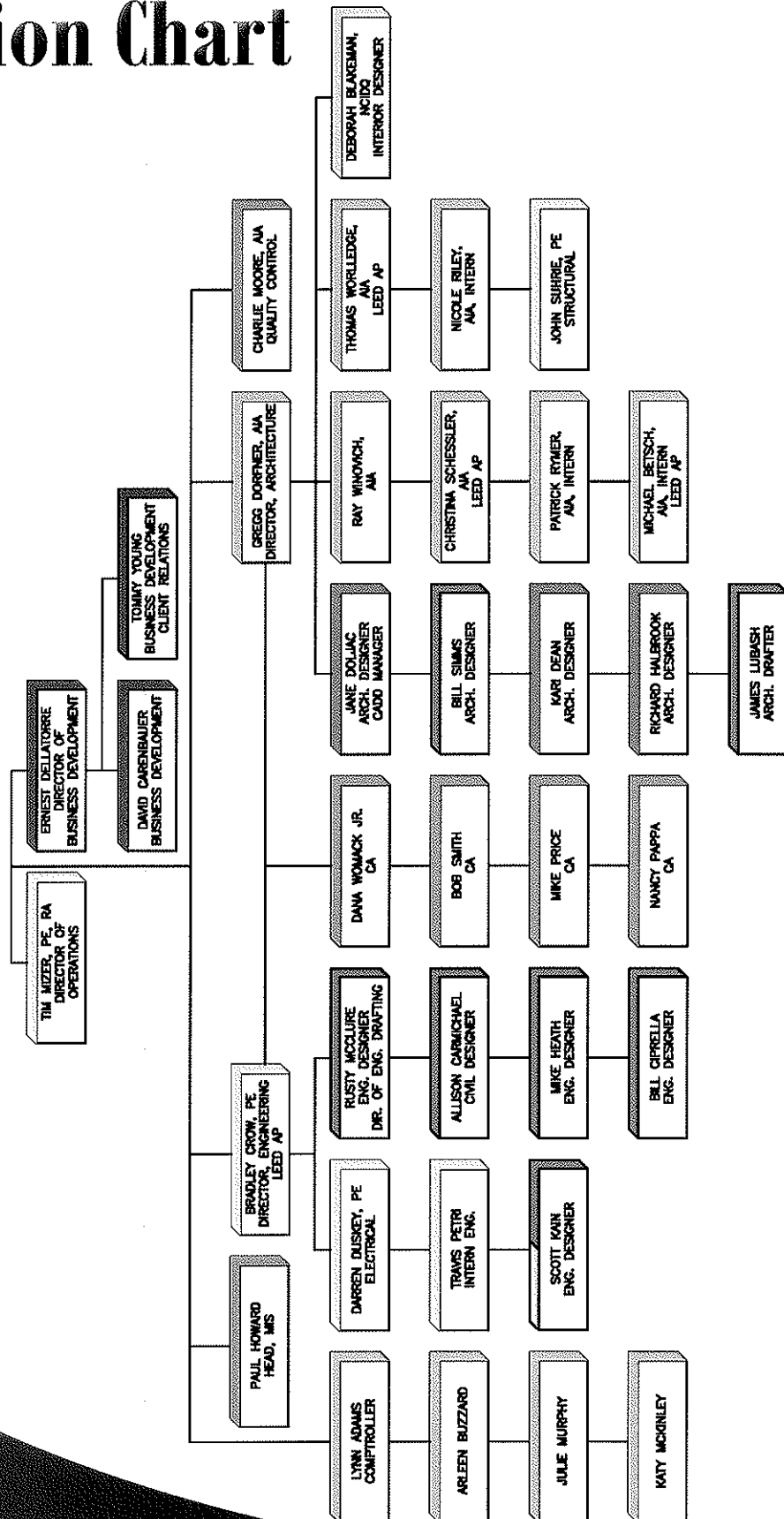
NEW Chapmanville Regional High School - Logan County Schools



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Organization Chart

Revised 3/2/11



Educational Achievements

The Council of Educational Facility Planners International (CEFPI) has recognized the successful achievements and continual professional development efforts of Gregg Dorfner, Thom Worlledge, and Tommy Young and has designated them as Recognized Educational Facility Professionals (REFP).



Gregg P. Dorfner, AIA, REFP



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



Thomas L. Young, REFP

In addition, Mr. Dorfner is on the SBA Performance and Design Standard Planning Committee that is revising Policy 6200, the "Handbook on Planning School Facilities."

Also, Mr. Worlledge is on the Sustainable / Green Building subcommittee for Policy 6200.

Bradley A. Crow, PE, LEED AP



Darren S. Duskey, PE



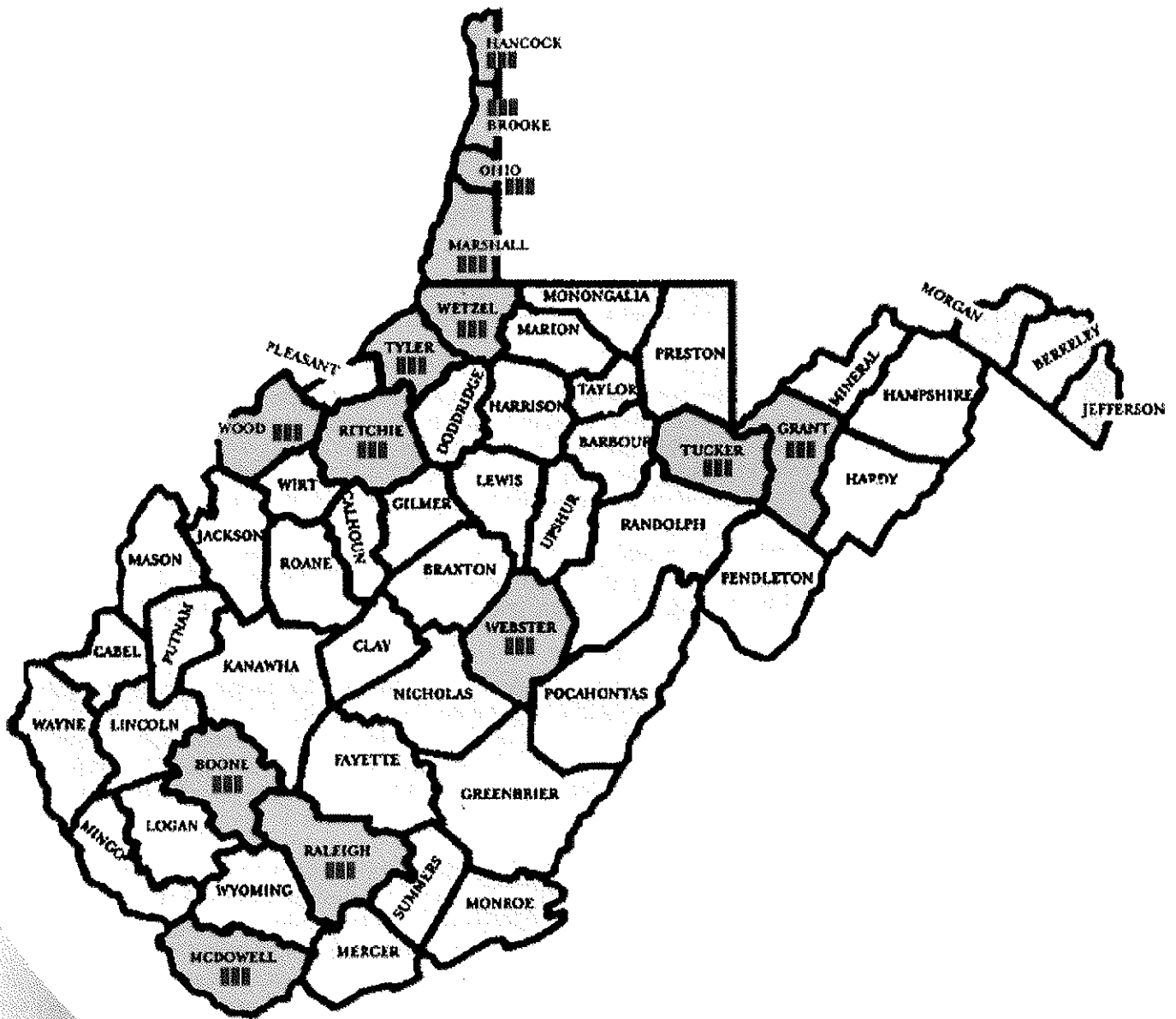
Moreover, Brad Crow and Darren Duskey are two more McKinley & Associates employees who are on various subcommittees for Policy 6200. Mr. Crow is a member of the HVAC subcommittee, while Mr. Duskey is on the Technology subcommittee.



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

14 West Virginia counties' 10-year CEFP Plan

We currently are contracted with Fourteen West Virginia School Counties to provide their 10 year Comprehensive Educational Facilities Plans (CEFP 2010-2020) which involves over **160 schools**. This includes the complete evaluation of the building envelope, HVAC, electric, plumbing, and school access safety systems.



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.

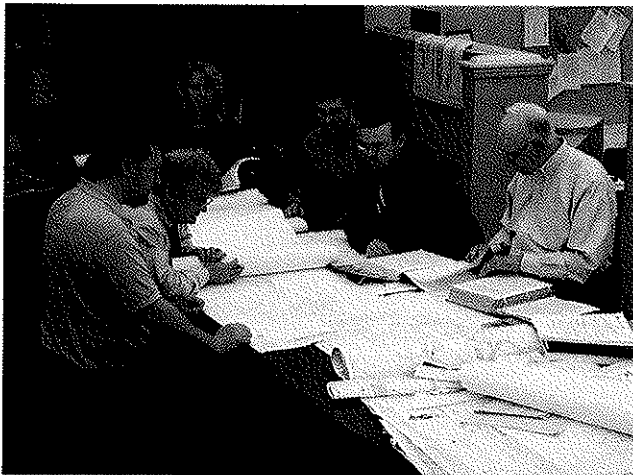
As the schematic/concept plans are developed, the Project Manager typically presents the plans for review and comments to a plan group depending on the nature of the work; e.g. engineers commenting on the engineering and architects critiquing the architecture. Once a consensus is reached, the plans advance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

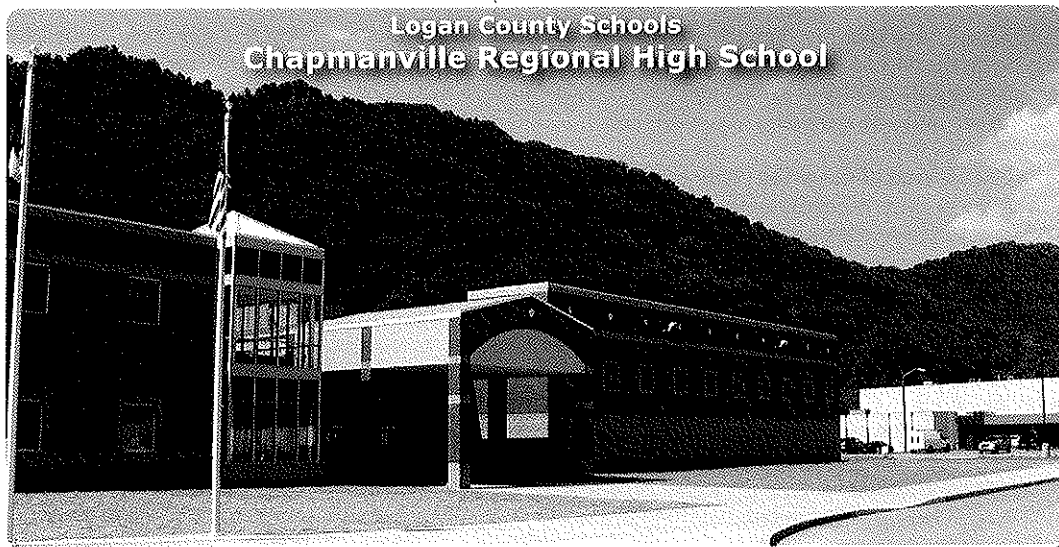
During the subsequent phases of design, all items are checked by persons other than those performing the daily design work in order to provide fresh insight. Prior to the final release of the documents, revisions are checked by the project manager and appropriately referenced on the drawings. Copies 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 13 years as part of our Standard of Care, and it only recently has been adopted as an AIA 101 Standard. We also conduct Post Occupancy Evaluations with the Owner to find out how well we matched the Owners' needs.

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.

Construction Administration & On-Site Representation

Observe the Construction Progress

Liaison between the Owner, Contractor, and Architect

Responsible for All Construction Meetings and Minutes

Monitor the Construction Schedule

Ensure that the Contractor is Following the Construction Documents

Verify Pay Application and Change Orders

Typically On-Site Once Every Two Weeks

(Provide Additional On-Site Representation if Requested)



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

Interior Design



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.



Sustainable "Green" Design

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

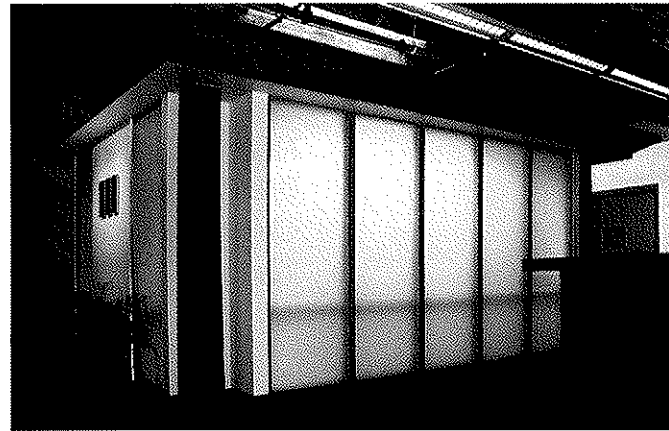
McKinley approaches ecological design from a business perspective, offering **proactive** solutions to complex problems such as indoor air quality, energy efficiency, resource depletion, and water quality. With commercial and institutional project experience, the McKinley Team can work alongside local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

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.



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



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

Leadership in Energy and Environmental Design



LEED® (Leadership in Energy and Environmental Design) Green Building Rating System™ developed by the U.S. Green Building Council (USGBC) is the nationally accepted standard for the design, construction, and operation of high performance green buildings. LEED recognizes that sustainable design requires a **team approach** to achieve the desired goals, and we have LEED Accredited Professionals (LEED AP and LEED AP BD+C) in both the architectural and engineering fields. We have **4 LEED Accredited Professionals** on staff, along with our skilled architectural/engineering team, who will efficiently and cost effectively achieve certification under this standard or we can guide you through the process in order to develop sustainability goals specific to your project.

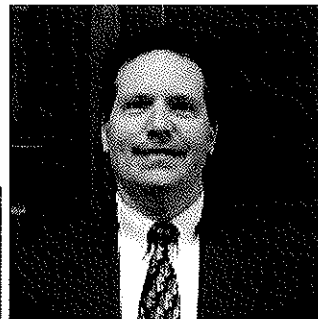
We have **4 LEED® Accredited Professionals** on staff in **both the architectural and engineering fields:**

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

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

Bellann in Oakhill, WV (LEED EB O&M)
Cameron Middle School/High School in Cameron, WV (LEED for Schools 2.0)
Hilltop Elementary School in Sherrard, WV (LEED for Schools 2.0)
West Virginia State Office Building in Logan, WV (LEED NC 2.2)

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



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

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



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

The 'USGBC Member Logo' is a trademark owned by the U.S. Green Building Council and is used by permission.

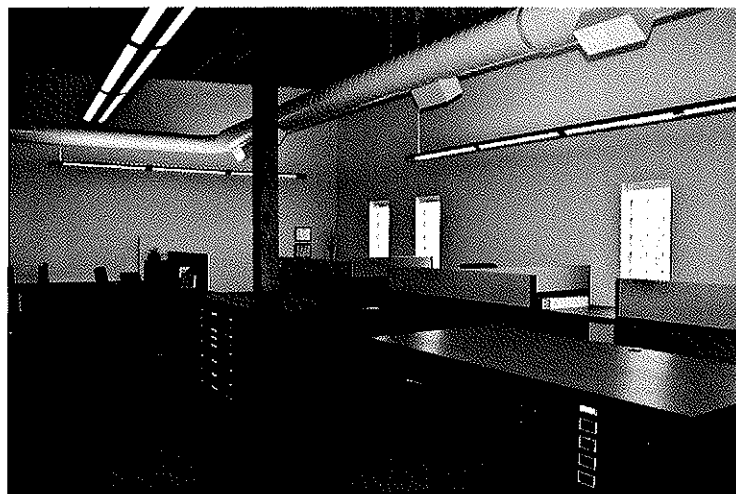
McKinley & Associates Charleston Office



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 1/10th of the cost of standard modular furniture is another advantage.



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

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

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.

Client Testimonials

David Sneed Architectural Director

School Building Authority

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

Bill Niday Retired Superintendent

Wood County Schools

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

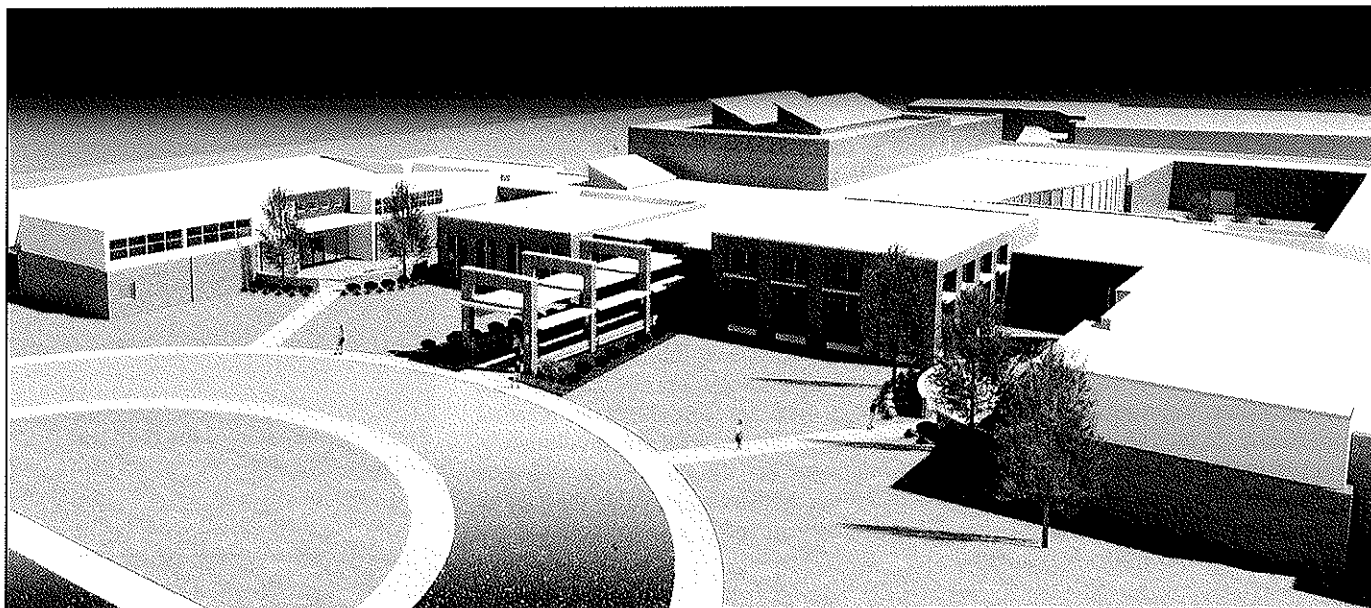
Rick Pursley First Sergeant

West Virginia State Police

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



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN



Ohio School for the Deaf - New Educational Center

CORE EXPERTISE

Winter & Company's Special Needs Studio (WCSNS) offers extensive experience in programming and design of educational and housing facilities for the deaf and the blind, with the goal of enhancing performance and meeting the needs of owners and users. Although substantial guidelines exist for addressing design needs for persons with mobility impairments, little formal literature exists that describes the special programming requirements for deaf and blind populations. In response to this need, Winter & Company established a special consulting studio in 2001 to provide facilities programming for special needs projects and deaf/blind facilities, as well as programming for mobility-impaired users. WCSNS has consulted on projects across the nation and been recognized as one of the top firms in the country in the area of special needs programming and design. Our clients appreciate our ability to meet schedules, honor budgets and solve problems.

The design of innovative living and learning environments has long been cornerstone of Winter & Company's Special Needs Studio practice. The profile of designing for today's special needs and blind education facilities is changing. State governments and school agencies are upgrading and expanding programs, facilities and systems to meet new standards, set forth by the Americans With Disabilities Act (ADA) and the Department of Education's "Special Education Facilities 2001" guidelines. In addition, continual advancements in technology and the constant need for adaptive reuse require agencies, architects and planners to be forward-thinking and solution oriented. Plans must provide for new and effective visual and functional communication access for blind students and their staff.

We Listen, Innovate, and Deliver:

We Focus on You

One of the truly measurable, tangible attributes we bring to the West Virginia School for the Deaf and the Blind is our adept ability to listen, comprehend, and communicate closely with you every step of the way. We communicate in a language and a manner that is meaningful and of value to you. We do not bring our own agenda or prescription for the design of your building. Instead, we develop ideas and solutions that are custom-tailored for you, and are derived from the unique participants and circumstances that frame any given design venture. **You will have at your fingertips a top team with experience and passion for this project type, all whom are committed to elevating the genre of each component each phase of the way.**

The Mission of Education and Residence life for the Deaf

Education and Residence life on campus must meet students needs and secure their ability to both succeed and develop. Plain and simple. Deaf students need an environment that is conducive to healthy living and learning. They need a sense of safety and security within the student community. They need to learn life skills tailored to their deafness to complement their academic progress and assist them in well-balanced individuals. And, they need opportunities and encouragement to grow.

Winter & Company

Special Needs Studio



Firm Overview

The "Millennials" Generation

Today's students have matured through childhood and early youth with assets that were unknown to previous generations. More than ever, the majority of this generation has been the most pampered and is the most technologically advanced. Technology has dramatically transformed their ability to learn, and it has also multiplied the ways in which to spend time. The development of technology has increased and improved the quality of learning and living for the Deaf.

Communication is a life skill that has evolved as a result of changes in in these students' generation. These changes have greatly benefitted the vision impaired and the blind. We now expect instant gratification in all aspects of life. In the world of communication, email correspondence, American Sign Language, and texting take place anytime, anywhere, including during class. We are compelled to respond immediately. In fact, if we don't, we are hounded until we do. With this revolution in communication has come revolution in its delivery on campus. These talented multitaskers are adept at communicating with friends in the classroom as they are at researching topics for class at a event. Deaf Students of today's generation are not only millennials, they are techno-natives.

Design Approach

The project approach must begin with the fundamental principle that people's lives are improved through the design of the built environment. The opportunity to accomplish this principle, in a coordinated effort with others who share that desire, will directly link through programming and design dialogue with the American School for the Deaf. The design process will create a nexus for the cross-fertilization of creative ideas that are drawn from the rich academic heritage that inspires academic innovation and vision that is ultimately translated into the built form.

Our design approach of K-12 institutions is based on a series of dynamic work sessions. We bring a rigorous investigation of all project issues, foster creative solutions that improve campus life, and collaborate among all team members and stakeholders—students, faculty, staff, alumni, and trustees alike. We believe it is extremely important to understand your history, celebrate your culture, and embrace your aspirations. The best designs emerge not from preconceived notions. But from thoughtful, collaborative process tied to the real world. We encourage our clients to get involved in that process. We challenge their assumptions, and ask them to challenge ours. We pose provocation questions, often exposing previously unconsidered issues. And we place each aspect of a project in the larger context of the academic institution and setting, thereby ensuring that it connects to whole.

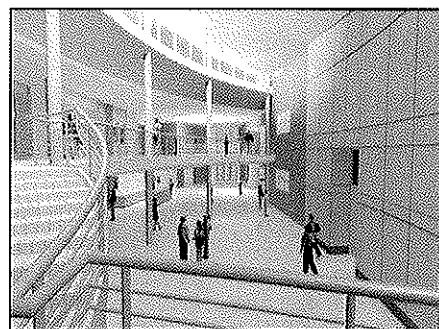
Design for the Deaf and Hard-of-Hearing

To understand the very idea of an environment designed for the Deaf, hard-of-hearing, and cochlear implants one need to clearly understand the population whose needs the facility will serve.

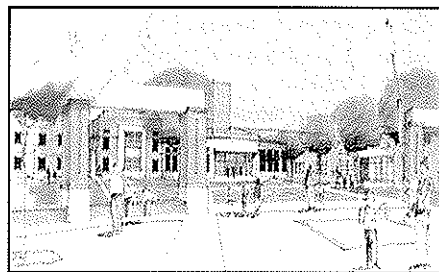
Deaf and hard-of-hearing students are more sensitive to the visual environment than are their hearing peers. The acute skills of observation that Deaf and hard-of-hearing students acquire in learning to use American Sign Language (ASL) and oral methods of communication make them more conscious of the many subtleties of variation in lighting, building features, and walls that might create barriers or obstacles to their visual paths. Proper lighting and barrier-free materials are critical to enhance the visual means of interaction for students who are Deaf and hard-of-hearing. Excessive brightness, improper lighting, or glare can lead to eye fatigue, difficulty seeing materials or screens, difficulty distinguishing between materials and the background, diminished physical productivity, and can produce unwanted physical discomfort.



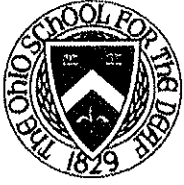
Pennsylvania School for the Deaf
Philadelphia, PA



National Technical Institute for the Deaf
Rochester, NY



Virginia School for the Deaf and the Blind—New Educational Center
Staunton, VA



THE OHIO SCHOOL FOR THE DEAF

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E-Mail Address: Corbett@osd.oh.gov

EDWARD E. CORBETT, JR., Ph.D.
SUPERINTENDENT

November 11, 2010

TO WHOM IT MAY CONCERN

Re: **John Dickinson, AIA CEFPI**

Dear Sir:

It is with great pleasure that I am writing this letter of reference on behalf of Mr. John Dickinson, an architect with Winter & Co.: Education and Special Needs Studio. Mr. Dickinson is one of the principal architects working on the new academic and residential buildings for the Ohio School for the Deaf and the Ohio State School for the Blind. He joined the SHP Leading Design and Bovis Lend Lease (construction manager) in the very beginning.

Mr. Dickinson has acquired a wealth of experience and training in the fields of education and deafness (plus other disability groups). He participated in the schools' Program of Requirements and helped us through the process of selecting the best design for the schools. Mr. Dickinson really earned his "stripes" so to speak for the schematic and building designs and blueprints pertaining to educational and residential programs.

Mr. Dickinson will come to your program well prepared with leadership knowledge, skills, and abilities in the areas of: innovative and exemplary classroom design including the teaching applications involving past research and development processes resulting in best practices for teaching and learning interactions, behaviors, and environments. He is very knowledgeable about different schools and other education programs in the nation. These competencies listed above are necessary and essential to the effective working relationship with you and others in your program.

I could go on and on extolling the many virtues of John Dickinson. He is the best qualified person that I know of to bring forth quality design and plans stemming from his many experiences from the nation's schools and programs for the deaf. He definitely will be an asset to you and your organization.

I recommend Mr. Dickinson wholeheartedly and unreservedly. You will be pleased with his qualifications and more so when he joins your team..

Sincerely,

EDWARD E. CORBETT, JR., Ph.D.
Superintendent



(An Equal Opportunity Employer and Service Provider)



The Pennsylvania School for the Deaf

100 W. School House Lane, Philadelphia, PA 19144-3403 • 215-951-4700/ 951-4703 TDD/ FAX 215-951-4708
http://www.psd.org e-mail: info@psd.org

Larry S. Taub, Ed.D., Head of School

November 10, 2010

To Whom It May Concern:

It is with pleasure that I submit this letter of recommendation in recognition of the work of Mr. John Dickinson who represents the Winter & Co: Education and Special Needs Studio for the benefit of prospective clients who may consider using the services provided by this architectural firm. Now, as far as architectural designs are concerned I consider myself to be a layman. Regardless of my expertise in the field of architecture, it is with confidence that I sum up the work of Mr. Dickinson and his team for your consideration. Mr. Dickinson's expertise as a consulting architect was valuable when working with local architects both in Maine and Pennsylvania. In both schools, he was instrumental in the development of child friendly designs for schools serving deaf children. What made him successful was his thorough research which he conducts beforehand related to the school's programs and unique needs of deaf children in terms of preparing them for life after school in the 21st century.

I am pleased to say that with Mr. Dickinson's guidance local architects were able to effectively combine many important features that make school environments user friendly. His designs successfully integrated the necessary components needed in our overall building design as follows:

- ☐ State of the art technology in the instructional environment
- ☐ A green building design
- ☐ The increased use of natural lighting
- ☐ Noise control
- ☐ ADA accessibility

The State of Maine's Bureau of General Services, which oversees maintenance and construction of all state owned buildings, including the Governor Baxter School for the Deaf, worked closely with all of us throughout this project ensuring that Maine's tax dollars were well invested. The BGS Director at the time, Elaine Clark, summed up our overall satisfaction with the project saying that, "We got a lot of building for the money." The Pennsylvania School for the Deaf, where I work now, is privately owned and is very proud of its state of the art Early Childhood Center. I would be most happy to have Mr. Dickinson bring prospective customers to see the new school building first-hand.

Sincerely,

Larry S. Taub, Ed. D
Head of School

The Pennsylvania School for the Deaf provides quality education and enriching life experiences to prepare Deaf and Hard of Hearing students for life-long participation in the communities of their choice

Founded 1820

Ohio State School for the Blind

5220 North High Street • Columbus, Ohio

Cynthia M. Johnson, Interim Superintendent
(614) 752-1152
Superintendent Office FAX (614) 752-1713
Principal's Office FAX (614) 995-5450

November 10, 2010

To Whom It May Concern:

As the Interim Superintendent at the Ohio State School for the Blind I had the opportunity to work with John C. Dickinson of Winter and Company: Education and Special Needs Studio on a professional level for the past three years. Mr. Dickinson became part of the design team of Steed Hammond and Paul (SHP) in 2007 and began working to draw up plans for new academic and residential buildings for both the Ohio State School for the Blind and the Ohio School for the Deaf.

Mr. Dickinson's expertise in designing environments for special needs populations was extremely helpful during the schematic design and design development phases. His insight and awareness of students with sensory impairments coupled with his specialized knowledge of architectural design provided valuable technical assistance as the team worked with the school staff in user group meetings to identify program accommodations necessitated by our students. Mr. Dickinson is passionate about his work and puts the well being of the clients he is serving first.

It is with pleasure that I recommend John C. Dickinson of Winter and Company for any architectural endeavor he may seek to pursue. He would be a valuable asset to any project of this nature.

Sincerely,

Cynthia M. Johnson, Interim Superintendent
Ohio State School for the Blind
5220 N. High Street
Columbus, Ohio 43214
614-752-1660

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www.dbhds.virginia.gov

November 10, 2010

Maryland School for the Blind
Design and Building Committee
Baltimore, Maryland 21236

Re: Reference for John Dickinson, A.I.A., Winter & Co.

Gentlemen:

Our agency provides Capital Outlay Program services by contract to our sister agency, the Department of the Blind and Vision Impaired (DBVI). I have been the CO Program Manager for these services for the past 10 years.

DBVI was funded for the full renovation of its Administration/Activities Building at the Rehabilitation Center for the Blind and Vision Impaired in Richmond in 2008. During the process of the selection of an Architectural/ Engineering firm to provide design services, Mr. Dickinson so impressed the Selection Committee with his eloquent description of services that he would provide that the Selection Committee requested the AE team with whom he was associated to release him to consult with the agency and their selected AE on the programming of the renovation of their building. This was accomplished; and he was added to the design team.

Mr. Dickinson provided unparalleled service to the design team during the reprogramming of the spaces of the facility from its 1968 design to a contemporary design that will meet the needs of the agency for the next several decades. All of this was done with the constraints of remaining within the confines of the perimeter of the existing building. Enough can not be said about his contributions to the agency in assisting them in organizing their thoughts around specific requirements of their program, currently and for the future, controlling the demands for spaces, and setting the pattern of hierarchy for location of these spaces. This project is about to start construction with the eager anticipation of its users for its success because of his contributions.

You would be well advised to include this capable man on your project's design team.

Sincerely,

A handwritten signature in black ink, appearing to read "RBFisher".

Richard B. Fisher, Ph.D., A.I.A.
Office of Architectural and Engineering Services

Stafford Consultants, Inc. Profile

Stafford Consultants Inc. was formed in 1985 from a core group of employees of Gates Engineering Company. After many successful years of operation, Gates Engineering Company was bought by a large design / build firm that later decided to divest the consulting engineering firm. Two original partners and five other employees remain with the firm since its inception.

Currently, Stafford Consultants employs a total staff of twenty-five, including six registered professional engineers. Our high ratio of professional to total employees is indicative of the importance we place on providing professional service to our clients. Mr. C. Dean Upton, P.E. now serves as president of the firm. Mr. Upton is a past president of the West Virginia Society of Professional Engineers, having served in 1998-99.

Our firm is a full service Engineering firm that provides services in Civil, Structural, Highway, Bridge, Airport, Environmental, and Sanitary Engineering. We have been providing engineering services for water, sewer and general civil projects for more than twenty five years. Although our main emphasis is toward the municipal utility market, our firm is highly qualified and capable of completing varied civil and structural projects. The football stadiums at West Virginia and Marshall University, buildings at Virginia Tech, sidewalks for the City of Princeton, artificial turf for the Princeton Senior High School football field, and master planning of athletic facilities at Virginia Tech and Marshall are prime examples.

Stafford has provided site civil and structural engineering design services in association with architectural firms since the firm was founded. Representative projects include Chapmanville High School, Parkersburg High School, Parkersburg South High School, Williamstown High School, Hilltop Elementary School, Wheeling Park High School, Cameron High School, the Chuck Mathena Center for Performing Arts in Princeton, and the Merriman Athletic Facilities Building at Virginia Tech.

All structural projects and site civil projects at Stafford are managed by Kenneth R. Crowe, P.E. Kenneth has over thirty years of structural, transportation and site civil engineering experience. He is assisted in this work by Kevin Smith, engineering technician, and Don Parsons, CADD technician. Kevin is experienced and particularly adept at site grading, pavement, drainage, and water and sewer layout. Don has worked closely with Kenneth for more than fifteen years on drafting of structural projects.

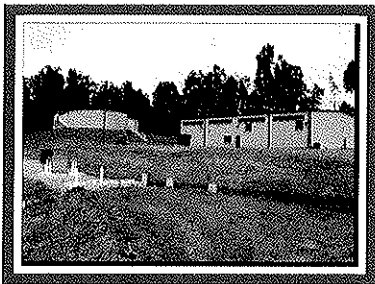


The Merriman Athletic Facilities Building at Virginia Tech and the tennis court at Williamstown High School are representative of Stafford's structural and site development capabilities.



Water

Summersville Water Plant



- ▶ Over 30 storage tanks ranging from 30,000 to 750,000 gallons
- ▶ Surface water treatment plants from 50 to 2,000 gallons per minute
- ▶ Transmission and distribution systems ranging in costs from \$100,000 to over \$30,000,000
- ▶ Pumping stations designed with the needs and desires of the client in mind



Alderson Water Storage Tanks

Site Development



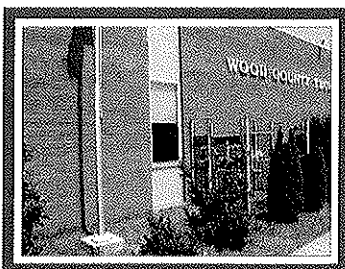
Glade Springs Village

Stafford Consultants provides engineering services to public and private clients such as:

- ▶ grading
- ▶ site utilities
- ▶ stormwater permitting
- ▶ structural analysis
- ▶ construction monitoring
- ▶ expert witness

Typical projects like Chapmanville, Williams-town, Parkersburg and Parkersburg South High Schools included:

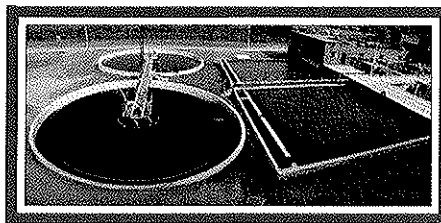
- ▶ site grading
- ▶ utilities
- ▶ stormwater



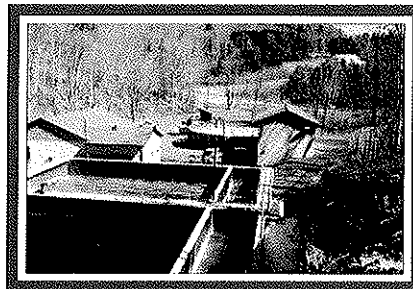
Parkersburg South High School

Wastewater

Princeton Wastewater Treatment Plant



Athens Wastewater Treatment Plant



Stafford projects include:

- ▶ treatment systems from 10,000 gallons per day to 5 million gallons per day
- ▶ conventional activated sludge, extended aeration, "orbal" oxidation ditch and sequencing batch reactor treatment systems
- ▶ conventional sewer systems and innovative systems such as pressure systems, vacuum systems, septic tank effluent systems and constructed wetlands

Some of Stafford's Satisfied Clients

Town of Alderson, West Virginia
 Alleghany County, Virginia
 Town of Ansted, West Virginia
 Town of Athens, West Virginia
 Big Bend P.S.D., Talcott, West Virginia
 Town of Blacksburg, Virginia
 City of Bluefield, West Virginia
 Bluefield Sanitary Board, Bluefield, Virginia
 Town of Bramwell, West Virginia
 Bramwell P.S.D., Bramwell, West Virginia
 Cooper Land Development, Inc., Beaver, WV
 City of Gary, West Virginia
 Greenbrier Valley Airport, Lewisburg, WV
 City of Hinton, West Virginia
 City of Lewisburg, West Virginia
 Logan County PSD, Logan, West Virginia
 Marshall University, Huntington, West Virginia
 McDowell County PSD, Coalwood, West Virginia
 Mercer County Commission, Princeton, WV
 New Haven PSD, Fayetteville, WV
 Nicholas County Commission, Summersville, WV
 Oakvale Road PSD, Princeton, West Virginia
 City of Princeton, West Virginia
 Princeton Sanitary Board, Princeton, West Virginia
 City of Welch, West Virginia
 WV Division of Highways, Charleston, WV
 WV Department of Environmental Protection, WV
 White Oak PSD, Scarbro, West Virginia
 Wilderness PSD, Mt. Nebo, West Virginia

Lyle Huntington, Manager of Oakvale Road PSD says: "Oakvale Road has done service with Stafford Consultants since 1989. They have handled over \$50,000,000 worth of water and sewer projects. Stafford Consultants does exceptional work. You will not be disappointed if you should choose Stafford Consultants. I will continue to use them for future projects."

Transportation

Devil's Backbone Bridge



- ▶ 19 bridge design projects for WV Division of Highways
- ▶ 5 roadway design projects for WV Division of Highways
- ▶ 3 Engineering Achievement Awards for Bridge and Roadway Designs



Mullens Bridge

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Engineering, Design and Consulting


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 1105 Mercer Street
 Post Office Box 5849
 Princeton, West Virginia 24740
 Phone: (304) 425-9555
 Fax: (304) 425-9557
 E-Mail: staffordconsultants@frontiernet.net

Design Team

Licensed Educational Facilities Professionals

Thomas R. Worlledge, AIA, LEED AP, REFP

Thomas L. Young, REFP

John C. Dickinson, AIA, CEFPI 


Architectural Design Team

Gregg P. Dorfner, AIA, REFP

Christina Schessler,
AIA, LEED AP

Thomas R. Worlledge,
AIA, LEED AP, REFP

Ray Winovich, RA

John C. Dickinson, AIA, CEFPI 

Michael S. Betsch, LEED AP

Patrick J. Rymer, Assoc. AIA

Jane A. Doljac

Richard B. Halbrook Jr.

James S. Lubash

Engineering Team

Bradley A. Crow, PE, LEED AP
*Director of Engineering Services /
Mechanical Engineer / LEED Attributes*

Tim E. Mizer, PE, RA
*Director of Operations /
Architectural Engineer*

Darren S. Duskey, PE
Electrical Engineer

Travis Petri, EIT
Engineer Intern


William D. Ciprella
Senior Mechanical Designer


Russell McClure
Senior Electrical Designer


Scott D. Kain
Plumbing & Electrical Designer

Michael A. Heath
Fire & Life Safety Designer


Allison M. Carmichael
Senior Mechanical Designer

Kenneth R. Crowe, PE 
Chief Structural Engineer


Kevin G. Smith 
Designer/CAD Technician

Don E. Parsons 
Draftsman/CAD Technician

Consultant - Deaf/Blind Educational Planning

Winter & Company's Special Needs Studio 

Consultant - Civil & Structural Engineering

Stafford Consultants, Inc. 

Interior Design

Deb Blakeman, NCIDQ #015070

Construction Administration

Robert E. Smith

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:

West Virginia
Virginia
Pennsylvania
Ohio

National Board Certification:

NCARB #48600

President:

West Virginia Society of Architects

Member:

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

Former voting member:

ASHRAE 90.1 International Energy Code
Committee

PROFESSIONAL EMPLOYMENT:

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

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

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

TAG Architects
Charleston, WV (1985-1990)

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

SUMMARY OF EXPERIENCE:

Mr. Worlledge is a skilled Architect with over 20 years experience who has received state wide design awards (including a West Virginia Chapter of the American Institute of Architects 2009 Merit Award in Sustainable Design) and placed in national design competitions. As a **LEED Accredited Professional** and a recognized sustainable design expert, he has had articles published in state and national trade publications, spoken before architectural students, ASHRAE chapters, and business groups on sustainable design issues and was also a featured speaker at the 2001 Governor's Conference on the Environment and the 2001 Sustainable fair. He also teaches other design professionals in the art of High Performance School design, as a professional trainer for the Sustainable Building Industries Council. Mr. Worlledge has been involved in design of projects ranging in from a small home additions (one of which was featured on HGTV's New Spaces Show) to multimillion dollar projects such as the new West Virginia State Building in Logan, which will be LEED Silver Certified. Mr. Worlledge is a former voting member of the ASHRAE 90.1 Standards committee that forms the basis of the International Energy Code and is the president of the state chapter of the AIA.

NOTABLE PROFESSIONAL EXPERIENCES:

LEED and Energy Efficient "Green" Design:

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

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

Bellann in Oakhill, WV (LEED Registered Project)

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

Educational Facility Architect:

Parkersburg High School - Wood County Schools

Parkersburg High School Link project - Wood County Schools

Williamstown High School - Wood County Schools

Hilltop Elementary School - Marshall County Schools

Sherrard Middle School - Marshall County Schools

McNinch Elementary School - Marshall County Schools

Brookview Elementary School Phase I & II - Boone County Schools

Maclin Hall - WVU Institute of Technology

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

WV State Police Academy Multi-purpose Building (in design)



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Thomas L. Young, REFP

Educational Specialist

EDUCATION AND

SPECIALIZED TRAINING:

Recognized Educational Facility Professional (REFP) designated by the CEFPI

West Virginia Institute of Technology
Design and Drafting Technology

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

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

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Member:

Council of Educational Facility Planners
International (CEFPI)

Recognized Educational Facility Professional
(REFP)

Past President Enlisted:

Association of the National Guard of WV

PROFESSIONAL EMPLOYMENT:

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

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

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

SUMMARY OF EXPERIENCE:

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

NOTABLE PROFESSIONAL EXPERIENCES:

Assistant Director of Architectural Services

Directly oversaw the funding, design and construction budgets for all related educational projects for the School Building Authority of West Virginia. Was responsible for over a Billion dollars worth of PK-12 school construction projects. Worked with WV County Boards of Education in developing Needs based projects for funding consideration and approval with most efficient and effective use of funds available.

Construction Manager

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

Vice President of Operations

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

MILITARY SERVICE:

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

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



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Gregg P. Dorfner, AIA, REFP

Director of Architectural Services

Educational Specialist / Architect

EDUCATION:

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

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

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Architect in:

West Virginia, Pennsylvania, District of
Columbia, & Ohio

National Board Certification:

NCARB #36602

Member:

The American Institute of Architects
AIA West Virginia

Arbitrator:

Panel of Construction Neutrals, American
Arbitration Association

Former Instructor:

Architectural Technology, Fairmont State College

PROFESSIONAL PLANNING AFFILIATIONS AND CERTIFICATIONS:

Member:

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

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Wheeling, WV (2001 to present)

Alpha Associates
Morgantown, WV (1996-2001)

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

Blackwood Associates
Fairmont, WV (1974-
1995)

SUMMARY OF EDUCATIONAL PLANNING & DESIGN EXPERIENCE:

Mr. Dorfner's 37 years of experience in the planning and design of educational facilities is broad-based in scope, having worked with districts in 23 of West Virginia's 55 counties. The projects have included bond-planning services, designs of new schools & additions, and development of district-wide CEFPs. He has acquired an extensive knowledge and understanding of state building and fire codes, building industry standards, as well as governmental guidelines and regulations. This expertise has helped him develop effective and economical design solutions to many complex code-related issues.

SELECTED EDUCATIONAL PROJECTS:

Bond Planning Services

Berkeley County Schools, WV 1981
Grant County Schools, WV 2000
Hancock County Schools, WV 2005
Marion County Schools, WV 1977
Marshall County Schools, WV 2006
Monongalia County Schools, WV 2000
Ohio County Schools, WV 1985
Preston County Schools, WV 1992
Taylor County Schools, WV 2000
Wood County Schools, WV 2004
Hancock County Schools, WV 2010

Comprehensive Educational Facilities Plans

Grant Co. Schools, WV 1999 (co-author of 2000-2010 plan)
Monongalia Co. Schools, WV 1999 (co-author of 2000-2010 plan)
Taylor Co. Schools, WV 1999 (co-author of 2000-2010 plan)
Hancock Co. Schools, WV 2002 (author of revised 2000-2010 plan)
Jackson Co. Schools, WV 2005 (author of revised 2000-2010 plan)
Marshall Co. Schools, WV 2005 (author of updated 2000-2010 plan)
Boone Co. Schools, WV 2010 (author of 2010-2020 plan)
Brooke Co. Schools, WV 2010 (author of 2010-2020 plan)
Grant Co. Schools, WV 2010 (author of 2010-2020 plan)
Hancock Co. Schools, WV 2010 (author of 2010-2020 plan)
Marshall Co. Schools, WV 2010 (author of 2010-2020 plan)
McDowell Co. Schools, WV 2010 (author of 2010-2020 plan)
Ohio Co. Schools, WV 2010 (author of 2010-2020 plan)
Raleigh Co. Schools, WV 2010 (author of 2010-2020 plan)
Ritchie Co. Schools, WV 2010 (author of 2010-2020 plan)
Tucker Co. Schools, WV 2010 (author of 2010-2020 plan)
Tyler Co. Schools, WV 2010 (author of 2010-2020 plan)
Webster Co. Schools, WV 2010 (author of 2010-2020 plan)
Wetzel Co. Schools, WV 2010 (author of 2010-2020 plan)
Wood Co. Schools, WV 2010 (author of 2010-2020 plan)



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Christina Schessler, AIA, LEED AP



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 24 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

Grant County Schools / Multiple Projects

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

WVU Fire Training Academy / Jackson's Mill, WV

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*

Wheeling Island Fire Station

Braxton County Senior Citizen Center

Steel Valley Regional Transit Authority roof

Panhandle Cleaning & Restoration warehouse and office building

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*

Ray Winovich, RA

Architect

EDUCATION:

Carnegie-Mellon University
Bachelor of Architecture - 1979

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Architect in:

Pennsylvania (1984)
Washington (1997)
Michigan (2000)
Indiana (2000)
New York (2003)
Massachusetts (2003)
West Virginia (2005)
Ohio (2007)

NCARB Certificate - 2003

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Wheeling, WV
(2005 to present)

Industrial Design Corp.
Pittsburgh, PA
(2000-2005)

SSOE, Inc
Bellevue, WA & Toledo, OH
(1997-2000)

R.T. Patterson Co. Engineers
Pittsburgh, PA
(1994-1997)

Self employed
(1993-1994)

Industrial Design Corp.
Pittsburgh, PA
(1990-1992)

SUMMARY OF EXPERIENCE:

Mr. Winovich is a Registered Architect who has extensive experience in renovation projects of various sizes and use groups. This includes small industrial laboratory operations, as well as larger high-technology micro-electronics cleanroom retrofits for clients such as Micron, Intel and IBM. These facilities are very similar in construction type to university laboratories. He has experience internationally, such as being the lead architect of a 150,000 SF, Class-10 cleanroom lab for Intel in Leixlip, Ireland. Ray has experience as the lead architect of numerous K-12 projects. Most recently, he has concluded the design, which is now under construction, of the J.B. Chambers Performing Arts Center in Wheeling, WV.

NOTABLE PROFESSIONAL EXPERIENCES:

Project Architect

Ohio County Schools - New 1,200-seat J.B. Chambers Performing Arts Center at Wheeling Park High School.

Wood County Schools - Parkersburg South High School / New and renovated science labs. 15,000 SF new lab classroom space constructed. 5,000 SF existing lab classrooms renovated.

Brooke County Schools - Follansbee Middle School / Interior renovations and window replacement, and MEP systems.

Micron Corp., Manassas VA / Renovations of various cleanroom operations within existing facility.*

Intel Corp., Leixlip Ireland / 150,000 SF Class-10 clean room, manufacturing facility.*

Intel Corp. FAB 17, Hudson MA / Renovations of various cleanroom operations within existing facility.*

Intel Corp., Santa Clara CA / Renovations of abandoned cleanroom facility into office space.*

IBM Corp., Burlington VT / Renovations of cleanroom operations within existing facility.*

ATCC Biotechnology facility, Manassas VA / Programming and schematic design for building renovations housing a biotech pilot line.*

Calgon Carbon Corp., Pittsburgh PA / Quality control laboratory.*

Dr Ganzer Office Building, Wheeling WV / Renovation and expansion of a 15,000 SF medical office facility.

Cabela's Eastern Distribution Center, Wheeling WV.

American Video Glass Company, New Stanton, PA / Joint venture of Sony and Corning Corp. Design-Build \$200 million facility, 500,000 SF Plant for TV picture tube production.*

Armco Steel Co., Mansfield OH / New Continuous casting facility at an existing steel mill site.*

Digital Equipment Corp., Hudson MA / 500,000 SF Manufacturing facility with Class 1 clean rooms.*

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



McKINLEY & ASSOCIATES
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Michael S. Betsch, LEED AP



LEED Accredited Professional

EDUCATION:

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

Delaware Technical and Community College
Associate, Architectural Engineering - 2000

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

U.S. Green Building Council

LEED® Accredited Professional

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Wheeling, WV (2008 to present)

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

The Breckstone Group
Wilmington, DE (2006-2007)

Staikos Associates Architects
Wilmington, DE (2000-2006)

SUMMARY OF EXPERIENCE:

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

Mr. Betsch has proven success working with highly intricate project delivery scenarios such as phased renovations to active mission critical command and control centers, and modernization of highly publicized actively used government historical centers such as New York City's City Hall. With over 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:

The Education Center / West Virginia Northern Community College in Wheeling, WV

Construction of an overpass that will serve as a connection between the College's B. & O. Railroad Building and the Education Center. This will provide students a quick and safe passage between buildings while avoiding traffic.

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

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.

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

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



McKINLEY & ASSOCIATES
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Patrick J. Rymer, Assoc. AIA

Architect Intern

EDUCATION:

University of Tennessee
Bachelor of Architecture - 1999

Memphis Center for Design - 1998

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

ASSOC. AIA

NCARB

IDP

ArchNet

PROFESSIONAL EMPLOYMENT:

McKinley & Associates
Wheeling, WV (2005 to present)

Capitol Engineering
Charleston, WV (2003-2005)

United Brotherhood of Carpenters & Joiners
(2000-2003)

SUMMARY OF EXPERIENCE:

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

NOTABLE PROFESSIONAL EXPERIENCES:

Project Management:

Marshall County Schools:

- New Cameron Middle/High School (LEED)
- Cameron Elementary / Pre-K Classroom Building Addition
- Cameron Fieldhouse / Over 1200 Seat Athletic Facility
- Cameron Schools / Roof Replacements

Wood County Schools - Parkersburg South High School

Tyler Co Bus Maintenance Garage

West Virginia Army National Guard:

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

West Virginia State Police:

- Jackson County Detachment
- Kanawha County Troop 4 Headquarters
- Berkeley County Detachment

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

Regional Economic Development Office, Wheeling:

- Parking Facility
- Adaptive Reuse Warehouse Study

Project Design & Construction Administration:

- St Matthews Episcopal Church / Parish Hall Renovations
- Glen Jean WVANG-AFRC-MEPS Facility*
- Parkersburg AASF Apron Rehabilitation*
- Williamson Armory, WVANG Wash Pad & Military Parking*
- Summersville Readiness Center*
- Lewisburg Readiness Center*

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



McKINLEY & ASSOCIATES
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Bradley A. Crow, PE, LEED AP



Director of Engineering Services

Mechanical Engineer / LEED Accredited Professional

EDUCATION:

West Virginia Institute of Technology
B.S. Mechanical Engineering

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering in:
West Virginia
Pennsylvania

LEED® Accredited Professional

PROFESSIONAL EMPLOYMENT:

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

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

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

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

SUMMARY OF EXPERIENCE:

Mr. Crow is 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:

Boone County Schools - Scott High School
Boone County Schools - Brookview Elementary School
Boone County Schools - Madison Middle School
Hancock County Schools - Oak Glen High School
Hancock County Schools - Weir Middle School / High School
Ohio County Schools - Bridge Street Middle School
Ohio County Schools - J.B. Chambers Performing Arts Center at Wheeling Park High School
Marshall County Schools - Hilltop Elementary (LEED)
Marshall County Schools - Cameron Middle/High School (LEED)
Marshall County Schools - Washington Lands
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
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
WVU Colson Hall Renovations
WVU State Fire Training Academy / Jackson's Mill
WVU Institute of Technology - Maclin Hall
West Virginia Northern Community College - B. & O. Building
West Virginia Northern Community College - Education Center
Southern WV Community & Technical College - Williamson campus
Southern WV Community & Technical College - Wyoming/McDowell campus



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:

Grant County Schools / multiple upgrade projects

Marshall County Schools (\$38+ mil.)

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

Marshall County Schools - Hilltop Elementary (LEED)

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

Hancock County Middle School-new building/site

Barnesville (OH) Schools - new buildings

WVU Colson Hall renovations/upgrade

WVU State Fire Training Academy

West Virginia State Building in Logan, WV (LEED)

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

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

Cabela's Eastern Distribution Center

Panhandle Cleaning & Restoration warehouse and office building

Wheeling Island Casino - various projects

Independence Hall roof

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

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

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

Marshall County Schools - Hilltop Elementary (LEED)

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

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

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

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

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

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

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

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

West Virginia State Building in Logan, WV (LEED)

West Virginia State Building in Weirton, WV

Panhandle Cleaning & Restoration warehouse and office building

Bennett Square Office Building

Dr. Ganzer Office Building

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

WVSP Headquarters (*Upgrade electrical service*)

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

United States Postal Service - statewide post offices

Travis Petri, 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:

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

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

Wood County Schools - Parkersburg High School

Wood County Schools - Parkersburg South High School

Wood County Schools - Williamstown High School

Ohio County Schools - Bridge Street Middle School

Marshall County Schools - Washington Lands

Hancock County Schools - Oak Glen High School

Hancock County Schools - Weir Middle School / High School

Southern WV Community & Technical College - Williamson campus

Southern WV Community & Technical College - Wyoming/McDowell campus

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

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

West Virginia Independence Hall

Logan State Office Building (LEED registered project)

Braxton County Senior Center

West Virginia State Police - Logan Detachment

West Virginia State Police - Academy

United States Postal Service - multiple projects

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 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:

Marshall County Schools - Cameron Middle School / High School (LEED)
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
West Virginia University - Colson Hall
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

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:

Marshall County Schools - Cameron Middle/High School (LEED Registered)
Marshall County Schools - Hilltop Elementary School (LEED Registered)
Wood County Schools - Parkersburg High School
Wood County Schools - Parkersburg South High School
Wood County Schools - Williamstown High School
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
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
West Virginia State Office Building in Logan, WV (LEED Registered)
United States Postal Service - multiple projects
West Virginia State Police - multiple projects
Cabela's Eastern Distribution Center
WV Independence Hall
Capitol Theatre
Catholic Heritage Center
Maxwell Centre
Orrick Building
Wagner Building
Bennett Square Office Building
Sisters of St. Joseph's Convent rehabilitation
Dr. Ganzer Office Building
US Can renovation
OVMC Nurses Residence Hall

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:

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

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

Wood County Schools - Parkersburg High School

Wood County Schools - Parkersburg South High School

Wood County Schools - Williamstown High School

Ohio County Schools - Bridge Street Middle School

Logan County Schools - Chapmanville Regional High School

Hancock County Schools - Oak Glen High School

Hancock County Schools - New Oak Glen Middle School

Hancock County Schools - Weir Middle School / High School

West Virginia University - Colson Hall renovations/upgrade

West Virginia University - State Fire Training Academy

West Virginia University - Stalnaker Hall roof replacement

WVU Institute of Technology - Maclin Hall

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

West Virginia Northern Community College - Education Center

Glenville State College - R.F. Kidd Library

Wheeling Jesuit University - Erma Ora Byrd Center for Educational Technologies

Wheeling Jesuit University - Robert C. Byrd National Technology Transfer Center

Logan State Office Building (LEED registered project)

West Virginia State Building in Weirton, WV

West Virginia State Police - Logan Detachment

West Virginia State Police - Academy



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

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:

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

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

Madison Elementary School

John Marshall Fieldhouse

McNinch Elementary School

Sherrard Middle School

Cameron Elementary School addition

Tyler County Schools - 3 HVAC projects

Capitol Theatre

West Virginia Independence Hall

West Virginia Army National Guard - Multipurpose Building
at Camp Dawson

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



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

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

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

Braxton County High School - Fairmont State addition

West Virginia University - Colson Hall

West Virginia University - State Fire Training Academy

WVU Institute of Technology - Maclin Hall

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)*

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

Sisters of St. Joseph - Convent / Assisted Living renovation project

Braxton County Senior Center

West Virginia State Police Academy

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

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

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

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

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*



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Robert E. Smith

Construction Administrator (Project Coordinator)

EDUCATION:

University of Pittsburgh
M.S. Industrial Engineering - 1989

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

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

President:

Mingo Business Association (2007 to present)

Commander:

American Legion Post 351 (2008 to present)

Board Member:

Indian Creek School District (elected in 2009)

PROFESSIONAL EMPLOYMENT:

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

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

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

SUMMARY OF EXPERIENCE:

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

NOTABLE PROFESSIONAL EXPERIENCES:

Construction Administration for:

Grant County Schools - Maysville HVAC/Windows

Grant County Schools - Union Locker Room

Brooke County Schools - Follansbee Middle

Hancock County Schools - Oak Glen High HVAC

Hancock County Schools - Weir MS/HS HVAC

Marshall County Schools - New Cameron MS/HS (LEED)

Tyler County Schools - 3 HVAC projects

Tyler County Schools - Bus Maintenance Garage

Cabela's Eastern Distribution Center

United States Postal Service - Grafton HVAC

Steel Valley Regional Transit Authority roof

Director of Operations

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

Transportation Supervisor

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

MILITARY SERVICE:

Wright Patterson Air Force Base - Dayton, OH

Chief B-2, Block 20 Field Retrofit

B-2 Systems Program Office (1994-1996)

Team Leader, Process Improvement Technology

Armstrong Laboratory (1989-1994)

Randolph Air Force Base - San Antonio, TX

Chief, Test Construction Section

Occupational Measurement Center (1987-1988)

Quality Control Psychologist

Occupational Measurement Center (1985-1987)

Supervisor of Test Construction Team

Occupational Measurement Center (1983-1985)

John C. Dickinson, AIA, CEFPI

Winter & Company Special Needs Studio Director

Curriculum Vitae:

Education:

Masters in Business Administration,
University of Phoenix, 1998

Bachelor of Architecture, University
of Kentucky, 1988

Diploma, E'cole des Architecture,
Paris, France

Memberships/Committees:

American Institute of Architects
Council Educational Facility Planners
International

Colorado Association of the Deaf

National Association of the Deaf

National Task Force Deaf Seniors
Coalition

Board of Trustee-Colorado School for
the Deaf and the Blind

John Dickinson is a notable deaf Architect and project manager with over twenty five years of experience providing a wide range of architectural services for educational, healthcare, banking, telecommunications and commercial facilities. Mr. Dickinson received the AIA Award of Educational Design Excellence for his design of Columbine Senior High School in Littleton, Colorado.

Mr. Dickinson, who has been profoundly deaf since the age of two, has provided architectural services for deaf and blind schools and senior housing all over the U.S. and understands that developing facilities for the deaf and blind populations requires careful consideration of multiple issues. He has the ability to capture the intricacies and nuances of the deaf and blind environment and translate them into an effective setting that encourages performance and growth.

Project Experience

Sorenson Language & Communication Center Programming,
Gallaudet University
Washington, DC

Rhode Island School for the Deaf
Programming and New Facilities Feasibility Study
Providence, RI

Pennsylvania School for the Deaf
Campus Wide Master Plan and New Early Childhood Center
Philadelphia, PA
(Photo left)

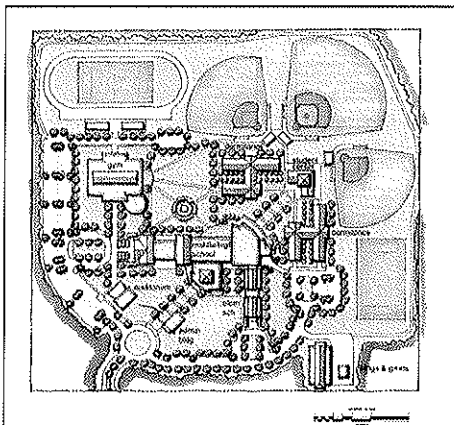
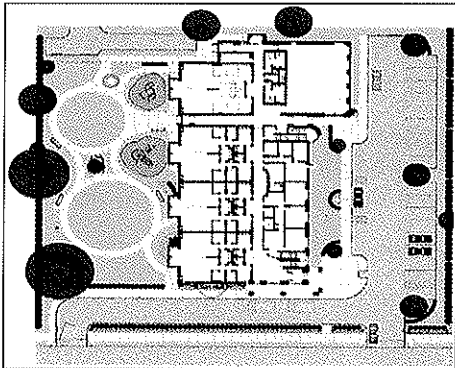
Middletown Deaf Housing and Apartments
New Mixed-Use Housing for the Deaf Design and Planning
Middletown, CT

Colorado School for the Deaf and Blind
Master Plan and Ritter Hall Programming & Design
Colorado Springs, CO

Washington School for the Deaf
Campus Master Plan and Study
Vancouver, WA
(Photo left)

Governor Baxter School for the Deaf
Master Plan and New K-8 Educational Center
Portland, ME

Rocky Mountain Deaf School
New K-12 Campus
Denver, Colorado





Engineering, Design and Consulting
Planning and Environmental Services

Kenneth R. Crowe, P.E.
Chief Structural Engineer

Education: West Virginia Institute of Technology
Bachelor of Science in Civil Engineering, 1976

Professional Registration Engineer West Virginia
Virginia

Business and Civic Activities: Church Treasurer, Board of Trustees Chairman, and member of New Hope United Methodist Church

Experience: 1985 - Present **Stafford Consultants Incorporated, Chief Structural Engineer**

Design Engineer and Project Manager for numerous projects, including:

- Bridge design, roadway design and WVDoH coordination for Patterson Creek Bridge, Devils Backbone Bridge, Cassity Bridge, Reeses Mill Bridge, Tabbs Station Bridge, Bowles Bridge, Gardner Truss Bridge, Jaeger/Bradshaw Bridge, Mineral Wells Interchange Overpass Bridge, Camden Avenue I-77 Bridge, Mullens Overhead Bridge, Cass Arch Bridge, Gould Bridge, Wiggins Bridge, Hutchinson Branch Bridge, Grapevine Creek Bridge, Rolfe Arch Bridge, Craigsville Intersection Improvements, Webster Road Intersection Improvements, Hinton Road Intersection Improvements, Bellepoint Road Widening, North Lewisburg Road Widening and 5.25 miles of the four lane Coalfields Expressway in McDowell County.
- Roadway design and WVDoH coordination for Poca Bridge, Pax Bridge, Rock Truss Bridge, Welch Post Office Bridge, Buckhannon Truss Bridge and Buffalo Creek Bridge.
- West Virginia Department of Energy Abandoned Mine Lands reclamation projects including Williamson Nursing Home Slide, Weyanoke Portals, Mason County Bond Forfeitures, Heizer Creek, Sarah Ann Drainage, Canebrake Complex, Milburn Red Dog Pile, Charleston Portals, Millersville Road Refuse Piles, Cabin Branch Refuse Pile, Mill Branch Refuse Piles, Ameagle Complex, Shoemaker Landslide, Kermit Drainage, Birds Creek Refuse, Blue Pennant Complex, McComas (Poca Land) Refuse, McComas (Thompson) Drainage, Matoaka (Young) Drainage, and Matoaka (Crespo) Drainage. Water feasibility studies for Summersville (Rt. 39), Mod-Mahan, Keystone (US 52) and McDowell County PSD.
- Structural design for Mathena Cultural Arts Center in Princeton.
- Structural design for Athletic Facilities Building at Virginia Tech.
- Structural design for skybox addition at West Virginia University.
- Structural design for Princeton Community Hospital's Behavioral Medicine Center.
- Structural design for clarifier at Welch Wastewater Treatment Plant.
- Structural design for sequencing batch reactor at Athens Wastewater Treatment Plant.
- Structural design for flocculator tank at Summersville Regional Water Treatment Plant.
- Preparation of contract plans and bidding documents for pedestrian underpass, Shott Building Elevator and Conley Hall Renovations at Bluefield State College.
- Preparation of contract plans and bidding documents for sidewalk replacement and drainage improvements for the Town of Oakvale.
- Preparation of contract plans and bidding documents for renovations to Married Student Housing Building at Marshall University.
- Preparation of contract plans and bidding documents for sidewalk construction along Stafford Drive, Mercer Street, and Ingleside Road for the City of Princeton.



- Expert testimony on various structural and drainage problems associated with design or construction issues.
- Building, structure, pile foundation design and truss analysis for Celanese Celco Plant, Narrows, Virginia.
- Preparation of contract plans and bidding documents for parapet repair, roofing replacement and canopy construction projects for Princeton Community Hospital.
- Updating of Master Plans for Greenbrier Valley Airport and Mercer County Airport.
- Bridge inspection and rating for United Coal Company.

1981 - 1985 Gates Engineering Company, Principal Consulting Mining Engineer and Civil Engineer II

- Responsible for all mine permitting, including DR-4 Surface Mine Applications, DR-14 Underground Opening Applications, DR-3 Prospecting Applications, NPDES Permit Applications and Department of Mines Opening Approval Applications. Performed all permit related design; haulroads, diversion ditches, sediment ponds, drainage control structures, valley fills and refuse disposal areas.
- Assisted in mine design and refuse disposal area design. Performed property evaluations including coal reserves and reclamation needs. Operated department microcomputer; wrote programs; and provided computer analysis for STRESS and COGO. Assisted on bridge and structural design projects.

1980 - 1981 Westmoreland Coal Company Central Engineering Department, Chief Environmental Engineer

- Responsible for all civil engineering design and mine permitting in Westmoreland's West Virginia Divisions. Supervised three engineers and two draftsmen. Prepared OSM Permit Applications, West Virginia Department of Natural Resources DR-4, DR-14 and DR-23 Surface and Deep Mine Applications, State Water Pollution Control Permit Applications and NPDES Permit Applications. Designed sediment ponds, drainage control structures, concrete footings and walls and steel columns and beams. Prepared run-off hydrographs for drainage design, performed flood routing and performed fill slope design.

1979 - 1980 Westmoreland Coal Company Central Engineering Department, Environmental Engineer

- Prepared OSM Permit Applications, West Virginia Department of Natural Resources DR-4, DR-14 and DR-23 Surface and Deep Mine Applications, State Water Pollution Control Permit Applications and NPDES Permit Applications. Designed sediment ponds, drainage control structures, concrete footings and walls, and steel columns and beams. Prepared run-off hydrographs for drainage design, performed flood routing and performed slope design.

1976 - 1979 Westmoreland Coal Company Imperial Smokeless Division, Mining Engineer

- Performed all steel and concrete design for the division - beams, footings, columns and walls. Performed surveying outside and underground. Prepared NPDES, State Water Pollution Control, and deep and surface mining permits.



Engineering, Design and Consulting
Planning and Environmental Services

Kevin G. Smith
Designer/CAD Technician

Education: Raleigh County Vocational Education Center, 1979
Lay Minister Certificate, School of Christian Studies of the
West Virginia Baptist Convention

Licensed: Civil I and Civil II
Certificates

Experience: 1998 - Present Stafford Consultants Incorporated, Designer/CAD Technician

- Design and drafting on bridge and highway road projects throughout the State of West Virginia including Grapevine Creek Bridge, Hutchinson Branch Bridge, Cass Arch Bridge, Mullens Bridge, Coalfields Expressway US 121, Wiggins Bridge, Mineral Wells Interchange Overpass Bridge, US Route 219 Lewisburg Widening, Bellepoint Road Widening, Route 41 and West Webster Road Intersection Improvement, Route 20 and 55 Intersection Improvement, and Gould Bridge.
- Design and drafting for water and wastewater projects including, Summers County Sewer Study for Summers County Commission, Summersville Water Treatment Plant, John Nash Boulevard Sewer for Bluefield Sanitary Board, Brooks Barksdale Water Extension for Mercer/Summers County Commissions.
- Design and drafting on Gardner Industrial Park for Mercer County Commission.
- Design, site layout and drafting for site development for Chapmanville Regional High School, Parkersburg South High School renovations, Parkersburg High School renovations, Williamstown High School renovations, Oak Glen Middle School "Field of Dreams", Bayer Federal Credit Union and Hilltop Elementary School.

1998 Computects and DBD Professional Group, Inc. – Beckley, WV

- Performed civil site design and civil layout of architectural projects including Oak Hill Days Inn, Gary Library and Medical Center, Ronceverte Volunteer Fire Department, Ronceverte City Hall, and Sun Mountain.
- Design and drafting on engineering projects including Glade Springs Sanitary Sewer Relocation.
- Site development for A&E Construction at the NW intersection of US 19 and WV16 north of Beckley.

1992-1997 G. A. Tice Incorporated – Beckley, WV

- Design and drafting on various civil engineering projects including subdivision layouts and Pinecrest Industrial Park at Beckley.
- Highway and roadway storm drainage systems.
- Sanitary sewer collection and extensions systems including Shady Spring PSD, Town of Mount Hope, and North Beckley PSD.
- Water distribution systems including Town of Pax and Crow area water extension project.
- Calculations for many residential, commercial and government survey projects including Canaan Valley State Park for USFW Service and the New River National Park Service.
- Civil site design for commercial and government projects including Beckley Holiday Inn Addition, Haz Mat Facilities Administration Building, Pinecrest Industrial Park, and Cool Ridge Post Office.



1986-1992 ESP Associates - Charlotte, NC

- Development of custom CAD packages for in-house use, including Storm Water, Sanitary Sewer, Subdivision Layout and Staking, and Roadway Design.
- Drafting and design for layout of subdivisions with the responsibility of the layout of lots, roads, sanitary sewer, storm drainage and final plats for recording.
- Calculations for up to four field crews for field layout for Outer Beltway Interstate 485, Sanitary Extension along I-77 North of Charlotte, Widening of Park Road, Relocation of 36" and 42" Gas Transmission at High Point, NC, Rock Hill, SC subdivision development, Widening of US Route 17 in NC, Cabarrus Industrial Complex including I-85 interchange and Airport, Riverrun Subdivision including golf course, Cameron Woods Subdivision Phases III-VII, many other smaller industrial, commercial and residential projects in the Charlotte area.

1981-1986 G. O. Bledsoe, Incorporated -- Beckley, WV

- Supervised drawing of plats and maps by other employees. Design and drafting for engineering and surveying projects using CAD. Survey calculations and reductions for many residential, commercial and industrial projects. Advanced from rodman to crew chief to supervisory position.

1980-1981 HKS - Beckley, WV

- Advanced from rodman to instrument man including note keeping and field note reductions for various commercial and industrial projects.



*Engineering, Design and Consulting
Planning and Environmental Services*

Don E. Parsons
Draftsman/CAD Technician

Education: Tazewell High School; Tazewell, VA – 1968 - Diploma

Woodrow Wilson Rehabilitation Center; Fishersville, VA - 1968-1970
(School of Drafting – Drafting Technology) - Diploma

Tazewell County Vocational Technical Center; Tazewell, VA - 1971-1975
(Basic Electronics, Auto Mechanics, Carpentry) - Certificates

Southwest Virginia Community College; Richlands, VA - 1976 (Surveying)

AutoCAD Training Certificate, 1985

Bluefield State College; Bluefield, WV - 1986-1987
(BASIC Programming, Electrical Drafting)

Experience: 1990 - Present **Stafford Consultants Incorporated, Draftsman/CAD Technician**

Drafting involvement on most bridge, water and sewer projects, including:

- Athens Wastewater Treatment Plant
- Airport Master Plan drawings for Mercer County Airport and Greenbrier Valley Airport.
- Greenbrier Valley Airport runway and apron patching plans and upgrading fencing plans.
- Sewer projects for Bramwell PSD, Sandstone and Welch.
- Building renovations for Pocahontas Land Company, Beckley Housing, Celanese Celco Plant, and Marshall University Married Student Housing Projects I and II.
- Marshall University Football Stadium and Scoreboard.
- Sidewalk improvement projects for the Town of Oakvale, City of Princeton, Town of Athens and the Town of Alderson.
- Bridge plans and drawings for: Hutchinson Branch Bridge, Mullens Bridge, Cassity Bridge, Camden Avenue Bridge, Cass Arch Bridge, Indian Gap (Coalfield Expressway) Bridge, Gardner Truss Bridge, Gould Bridge, Mineral Wells Interchange Overpass Bridge, Wiggins Bridge, Jaeger/Bradshaw Middle School Bridge, Bowles Bridge, Devils Backbone Bridge, Reeses Mill Bridge, Patterson Creek Bridge, Tabbs Station Bridge and Little Marsh Fork Bridge.
- Roadway plans for Buffalo Creek Bridge project, North Lewisburg Widening (turn lane project), Webster Road Intersection (turn lane project) and Hinton intersection (turn lane project).
- Abandoned Mine Lands Reclamation projects including: Shoemaker Landslide, Kermit Drainage, Birds Creek Refuse and Blue Pennant Complex.
- Structural drawings for VPI – Athletic Facility building.
- Conveyor Drawings and Access Bridge Drawings for Celanese Corporation.
- Craigsville Waterline Relocation.

1990 E. T. Boggess AIA, CAD Technician

- Detailed drafting on architectural and site plan drawings, including electrical layouts on CAD.



1988 - 1990 Melcher Development Incorporated, CAD Technician

- Prepared detailed architectural building and site plan drawings of doctor's offices complex on AutoCAD. Prepared detailed plans of single dwelling homes including kitchen and bath designs.

1982 - 1987 Swanson Plating and Machine Company, Inc., Chief Draftsman

Responsible for:

- Supervising other draftsmen, all on-site measurements and designing of all coal mining projects, and all new hydraulic jack designs.
- Assisted in other in-house repair and improvements and prepared AutoCAD gear and sprocket drawings.

1970 - 1982 Consolidation Coal Company, Draftsman

Responsibilities included:

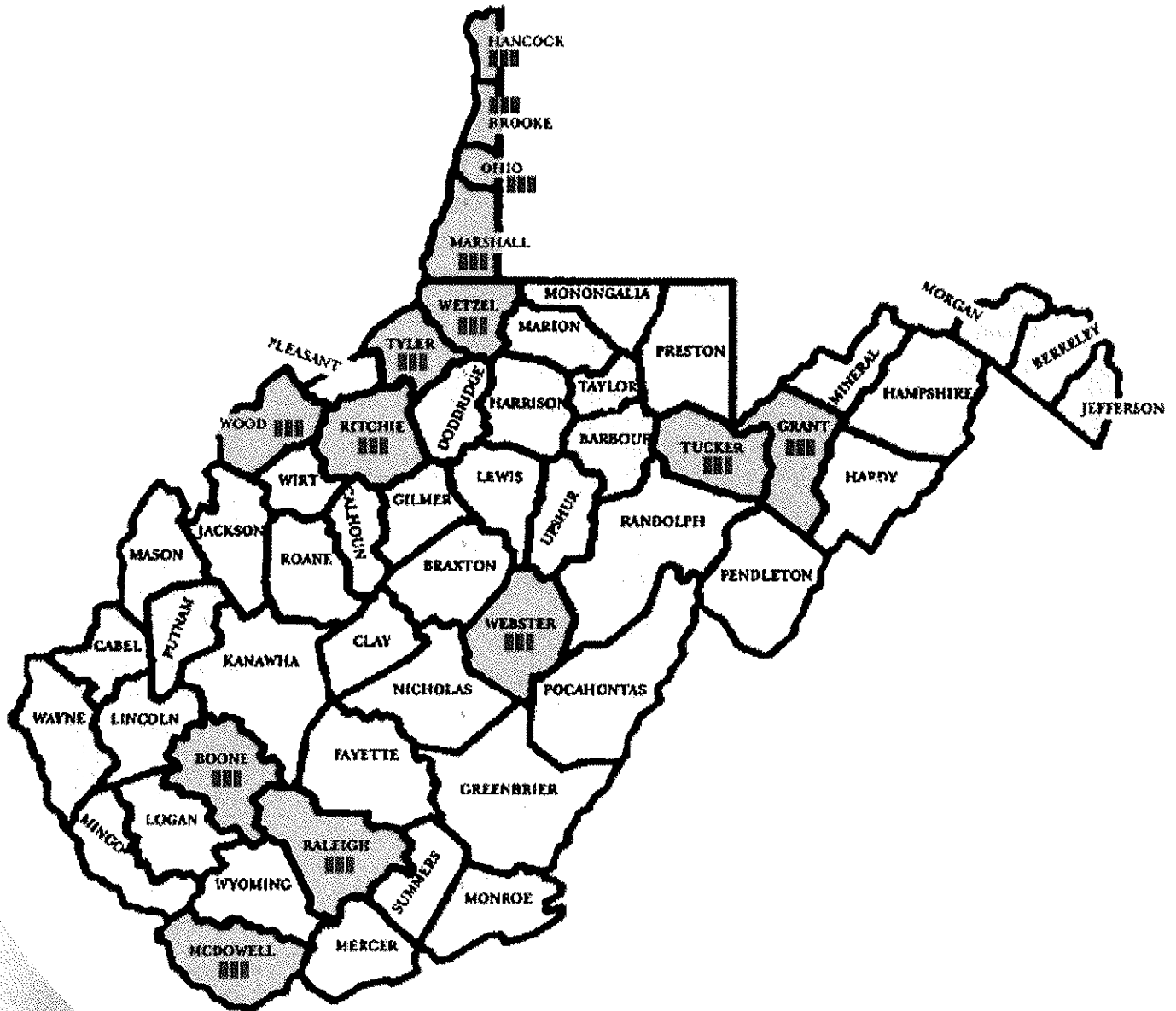
- Updating mine workings plots on hardbacks and tracings.
- Transposing survey calculations onto logbooks, calculating mine tonnages and traversing bore hole locations for drillers. Calculating mined areas using a planimeter. Keeping mine ventilation and forecasting maps updated.
- Updating monthly mine tonnage production charts company-wide.

1970 Appalachian Power Company, Draftsman Trainee in Engineering Department

- Calculated and prepared wire sag detail drawings for tower to tower spans and service relocation drawings.
- Made all copies of maps for fieldwork crews.

14 West Virginia counties' 10-year CEFP Plan

We currently are contracted with Fourteen West Virginia School Counties to provide their 10 year Comprehensive Educational Facilities Plans (CEFP 2010-2020) which involves over **160 schools**. This includes the complete evaluation of the building envelope, HVAC, electric, plumbing, and school access safety systems.



K-12 Experience

Our firm has completed a variety of projects, which serve to illustrate the creative and talented nature of our professional design staff. The following examples are chosen to exhibit an assortment of West Virginia K-12 projects we have successfully completed:

14 counties' Comprehensive Educational Facility Plan (CEFP)

Boone
Brooke
Grant
Hancock
Marshall
McDowell
Ohio
Raleigh
Ritchie
Tucker
Tyler
Webster
Wetzel
Wood

BOONE COUNTY
Brookview Elementary
Madison Middle
Scott High
Sherman High
Sherman Junior High

BRAXTON COUNTY
Braxton County High
Braxton County Middle
Burnsville Elementary
Davis Elementary
Flatwoods Elementary
Sutton Elementary

BROOKE COUNTY
Follansbee Middle

GRANT COUNTY
Maysville Elementary
Petersburg Elementary
Petersburg High
South Branch Career/Technical Center
Union Educational Complex

HANCOCK COUNTY
NEW Oak Glen Middle
Oak Glen High
Weir High
Weir Middle

LOGAN COUNTY
NEW Chapmanville Regional High

MARSHALL COUNTY
Cameron Elementary
Cameron High
NEW Cameron Middle/High
Central Elementary
NEW Hilltop Elementary
John Marshall High
McNinch Elementary
Moundsville Middle
Moundsville Junior High
Park View Elementary
Sand Hill Elementary
Sanford Elementary
Sherrard Elementary
Sherrard Junior High
Sherrard Middle
Union Junior High
Washington Lands Elementary

OHIO COUNTY
Bethlehem Elementary
Bridge Street Middle
Elm Grove Elementary
Madison Elementary
Middle Creek Elementary
Ritchie Elementary
Triadelphia Middle
Warwood Elementary
Wheeling Middle
Wheeling Park High
Woodsdale Elementary

PLEASANTS COUNTY
Belmont Elementary
St. Marys Elementary

POCAHONTAS COUNTY
Pocahontas High

TYLER COUNTY
Boreman Elementary
Sistersville Elementary

WETZEL COUNTY
Hundred High
Long Drain Elementary
Magnolia High
New Martinsville Elementary
Short Line Elementary

WOOD COUNTY
Blennerhassett Junior High
Edison Junior High
Emerson Elementary
Franklin Elementary
Hamilton Junior High
Jackson Junior High
Jefferson Elementary
Kanawha Elementary
Martin Elementary
Mineral Wells Elementary
Neale Elementary
Parkersburg High
Parkersburg South High
Van Devender Jr. High
Vienna Elementary
Waverly Elementary
Williamstown High

CATHOLIC DIOCESE
St. Michael Parish Grade

THE LINSLEY SCHOOL

MOUNT DeCHANTAL ACADEMY



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

School Bond and CEFP 2010-2020 Hancock County Schools

Hancock County, WV - county-wide

Owner
Hancock County Schools

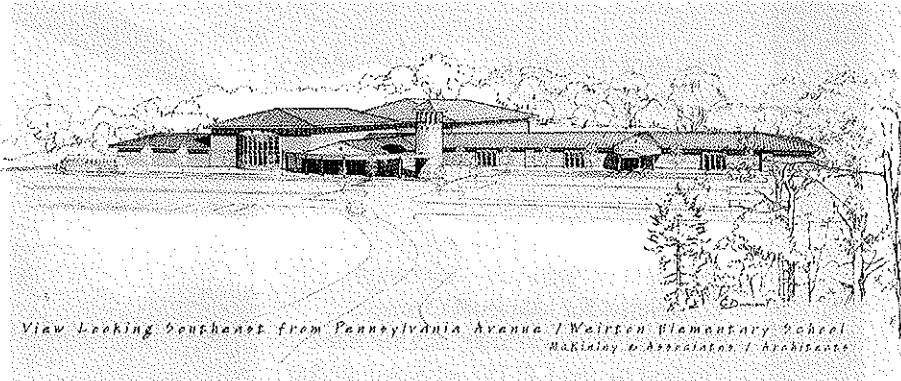
Project Architects-Engineers
McKinley & Associates

Coordination Architect
Gregg P. Dorfner, AIA

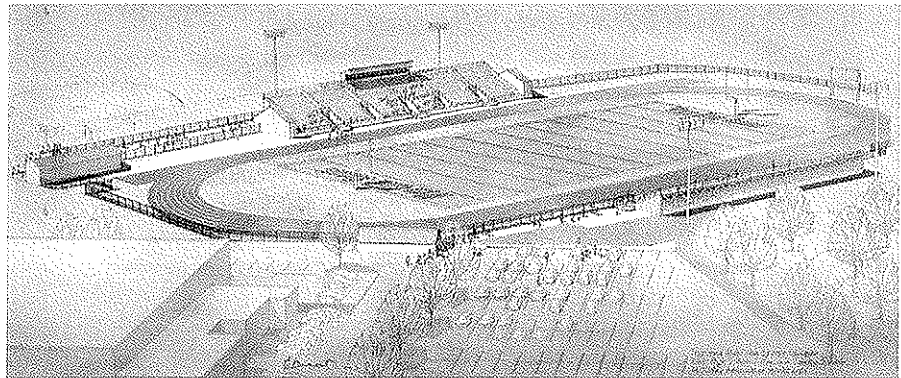
Multiple projects are underway for Hancock County Schools, which are a part of a \$56 million Bond Levy that was passed in the November 2010 election. These include, but are not limited to, a new elementary school to replace the three existing elementary schools located in Weirton and to upgrade and modernize the remaining six schools and the John D. Rockefeller IV Career Center. This bond call is a result of the Comprehensive Education Facilities Plan (CEFP) that was developed by McKinley & Associates.

The new 950 student Weirton Elementary School will replace Weirton Heights, Liberty, and Broadview Elementary Schools. The other projects are Allison Elementary additions and renovations, New Manchester Elementary additions and renovations, Oak Glen Middle wrestling room, Oak Glen High renovations, Oak Glen High Stadium, Weir Middle School renovations, Weir High renovations, Weir High Stadium, and John D. Rockefeller IV Career Center HVAC project.

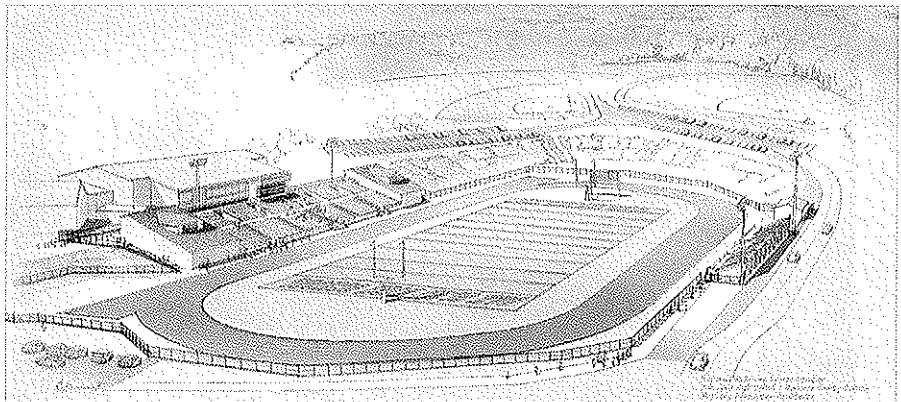
New Weirton Elementary School



New Weir High School Stadium



New Oak Glen High School Stadium



School Bond and CEFP 2010-2020 Marshall County Schools

Marshall County, WV - county-wide

Owner
Marshall County Schools

Project Architects-Engineers
McKinley & Associates

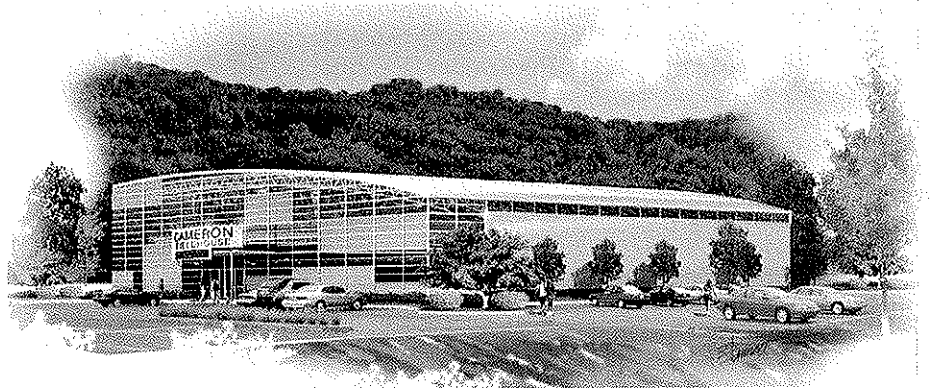
Coordination Architect
Tim Mizer, PE, RA

Multiple projects are underway/ completed for Marshall County Schools. These include, but are not limited to, the LEED registered 49,700 SF Hilltop Elementary School, Cameron Elementary, Monarch Stadium master plan, Central Elementary, the 42,725 SF Washington Lands Elementary School roof replacement, McNinch Elementary, Parkview Conversion, Moundsville Middle School, Sherrard Middle School, Cameron Field House, John Marshall High School chiller replacement, the 88,000 SF John Marshall High School roof replacement, John Marshall Field House-Stadium, Sanford demolition, Moundsville Junior High demolition, and the John Marshall High School baseball field flood study. Currently under construction is the new \$32 million Cameron Middle School / High School, which is a 130,000 SF facility that was designed with potential LEED Silver Certification.

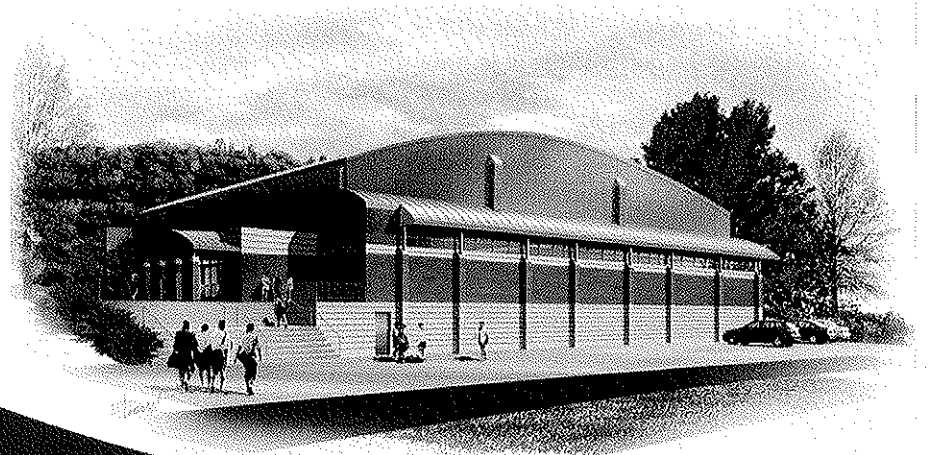
New Hilltop Elementary School



New Cameron Fieldhouse



John Marshall Fieldhouse



School Bond and CEFP 2010-2020

Wood County Schools

Wood County, WV - county-wide

Owner

Wood County Schools

Project Architects-Engineers

McKinley & Associates

Coordination Architect

Gregg Dorfner, AIA

Contractors

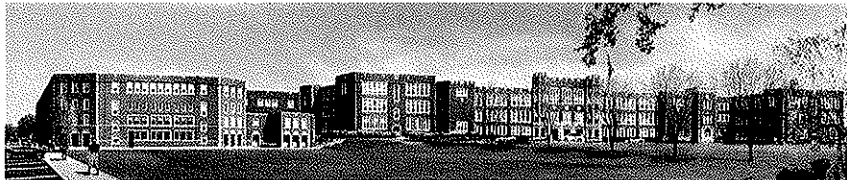
Colaianne Construction

Cattrell Companies

Grae-Con Construction

Multiple projects are underway/completed for Wood County Schools. These include, but are not limited to, Parkersburg High School renovations, Parkersburg South High School renovations, Williamstown High School renovations, Franklin Elementary School, Hamilton Middle School elevator, Blennerhassett Middle School auditorium HVAC upgrades and boiler replacement, Kanawha Elementary HVAC, Mineral Wells façade renovation and coil replacements, Neale Elementary renovations, Vienna Elementary renovations, Waverly Elementary classroom additions, Jefferson Elementary Center parking lot, Martin Elementary HVAC, Jackson Middle School, Edison Middle School, and the Edison Junior High boiler replacement project. The total addition and renovation of the **three high schools alone** are 557,000+ SF approx and \$63+ million.

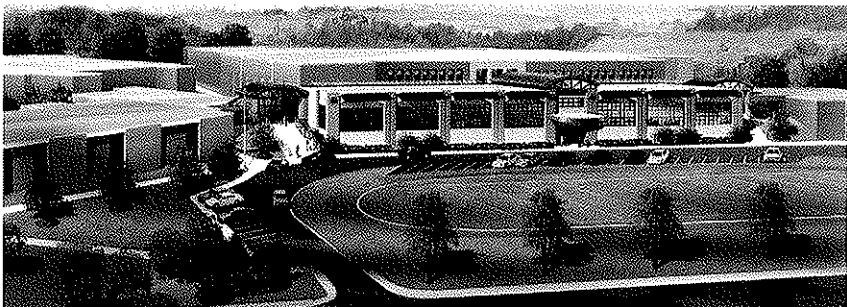
Parkersburg High School



Williamstown High School



Parkersburg South High School



Braxton County High School

Braxton County Schools

in affiliation with

Fairmont State

Flatwoods, West Virginia

Owner
Braxton County Schools

Size
25,000 SF approx.

Construction Cost
\$3.9 million

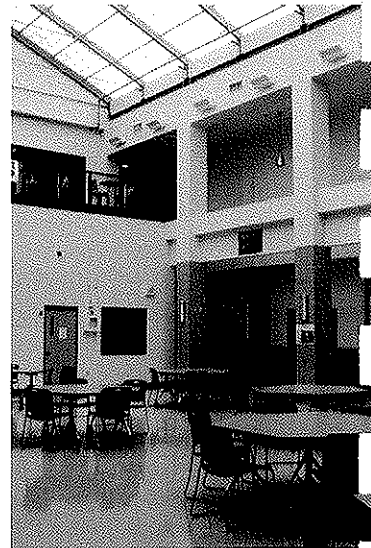
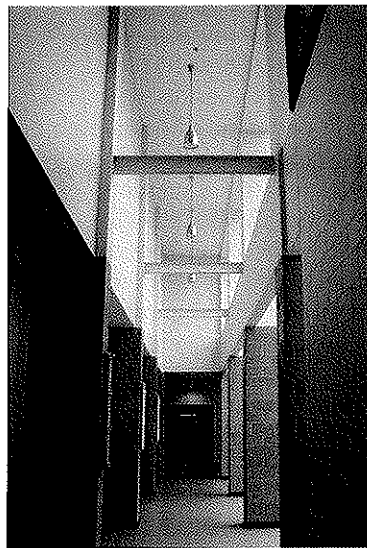
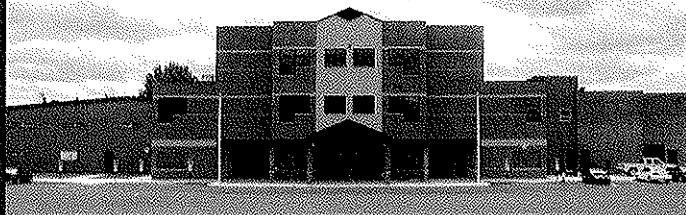
Project Architects-Engineers
McKinley & Associates

Project Architect
Christina Schessler, AIA

Contractor
Angsten Constructions



BEFORE
and AFTER



The Braxton County High School, Fairmont State University and The Fairmont Technical College combined goals to create a dual purpose facility that could serve as a link between high school students and those students who desired to move on to the college level. The 25,000 SF facility was designed to appeal to both levels of students yet provide separate program specific spaces.

The Fairmont State program includes 3 classroom; a conference area plus reception space convertible into a classroom; administrative area and storage. In addition, older students of Fairmont State have separate, carded access entrances. The Fairmont Technical College program also included a welding room/classroom with a loading dock entrance.

The Braxton County High School program included a relocated administration suite (principal, assistant principal, 2 counselor offices, 4 general administration, and staff restrooms); a new healthcare suite; a school store; a skylight lit Senior Students Commons area and plenty of storage. The Commons opened up to the College level above the informal eating area.

Union Educational Complex Grant County Schools

Mt. Storm, West Virginia

Owner
Grant County Schools

Size
6,319 SF

Construction Cost
\$1.3 million

Project Architects-Engineers
McKinley & Associates

Project Architect
Christina Schessler, AIA

Contractor
Harbel Inc. Construction

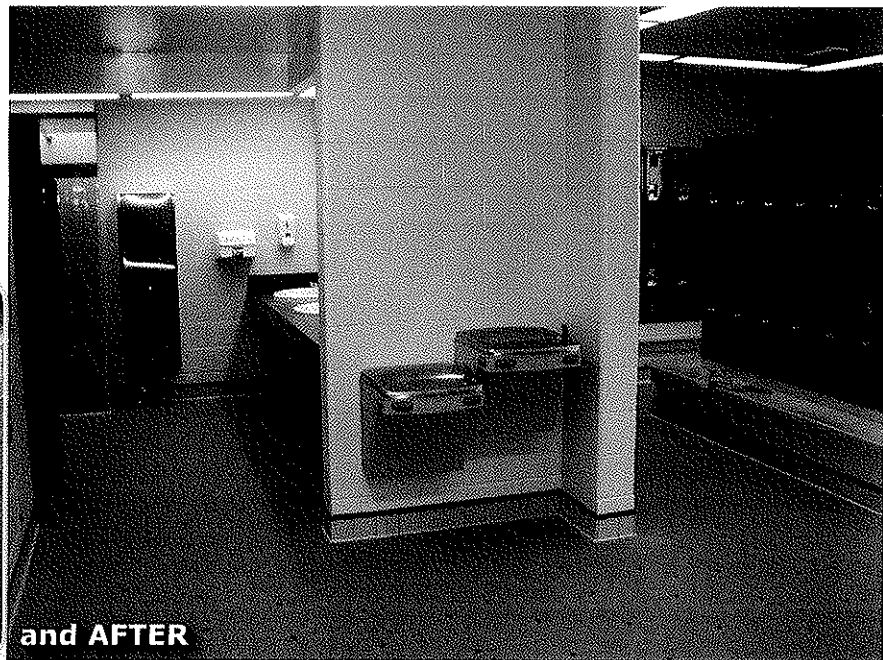
The Union Educational Complex project involved 3,500 SF of locker room renovations, a new 1,200 SF ADA entry, and 300 SF of renovated toilet rooms.

The Complex is a PreK-12 school accommodating approximately 270 students from three schools: Union Elementary (Pre-K-4), Union Middle (5-8), and Union High School (9-12).

This project included windows, doors, 200 lockers, benches, shelving, toilet partitions and accessories, walls and ceilings painting, floors and ceiling tiles, wood repairs, plumbing, HVAC, electrical, and ADA entrance improvements to name a few.



BEFORE and **AFTER**



BEFORE and **AFTER**



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Petersburg High School Gym Grant County Schools

Petersburg, West Virginia

Owner
Grant County Schools

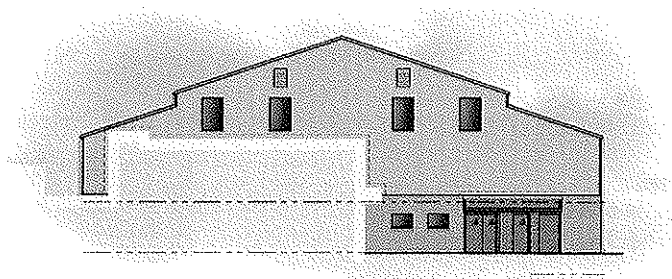
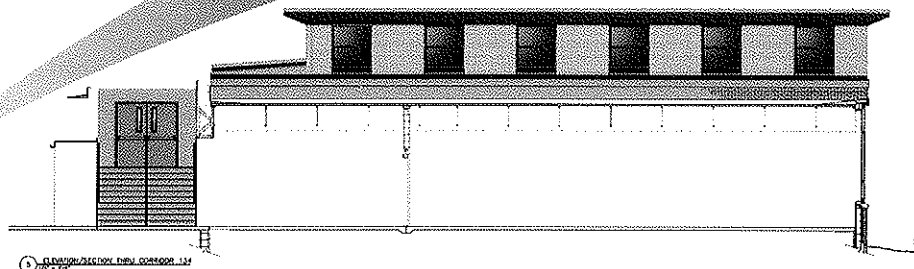
Size
18,000 SF approx.

Construction Cost
\$1.25 million

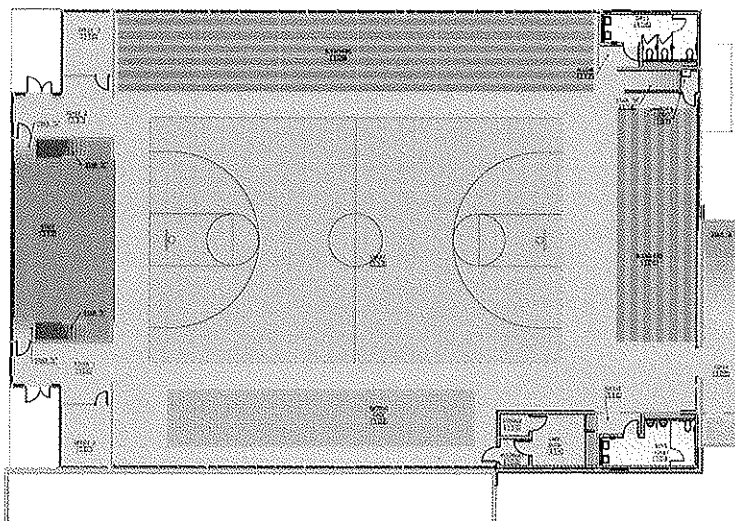
Project Architects-Engineers
McKinley & Associates

Project Architect
Christina Schessler, AIA

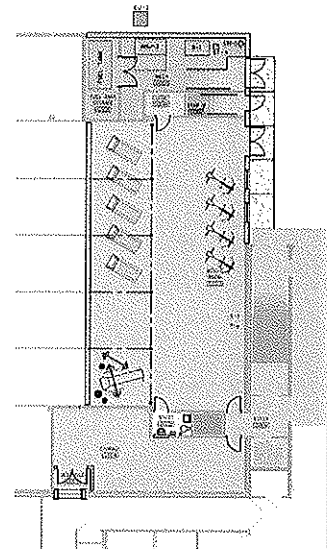
Contractor
Harbel Inc. Construction



NORTH ELEVATION



FIRST FLOOR



GROUND FLOOR

The renovation project for the old **Petersburg High School Gym** included a new weight room, HVAC upgrades, door and window replacement, and the skinning of the exterior.



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Oak Glen Middle School Hancock County Schools

New Manchester, West Virginia

Owner
Hancock County Schools

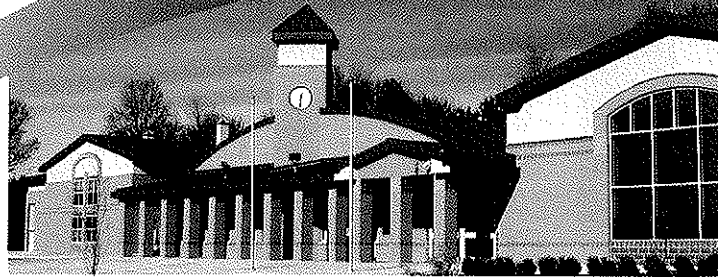
Size
82,000 SF

Construction Cost
\$11 million

Project Architects-Engineers
McKinley & Associates

Project Architect
Gregg Dorfner, AIA

Contractor
Colaizzi Construction



Oak Glen Middle School was a very exciting project for McKinley Associates, since it was our first design for a brand new school aside from renovations and additions. The \$11 million Oak Glen Middle School serves as a replacement for an existing Grade 5-8 facility of 700 students in Hancock County, WV. Separation of the students along grade 5-6 and 7-8 lines was essential, both physically and educationally, as the school district intended to maintain a self-contained instructional model for the younger children while also transitioning to a departmental model for the older ones. To solve this problem, a 2-story design evolved for the academic wing, with grades 5 & 6 placed on the upper floor and grades 7 & 8 on the lower of this 82,000 SF facility. Each of the segregated grade groups is served by its own respective "core" spaces for general classroom instruction, exceptionality instruction, planning, toilets, science spaces and computer labs. Both grade groups share common element spaces such as media, PE, resources and food service.



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Weir High School HVAC Hancock County Schools

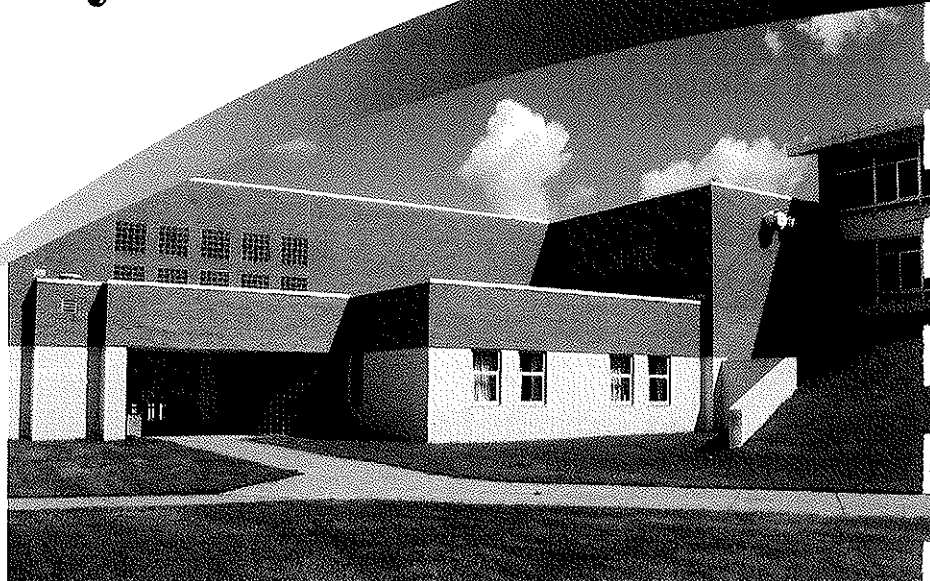
Weirton, West Virginia

Owner
Hancock County Schools

Construction Cost
\$5 million

Project Architects-Engineers
McKinley & Associates

Contractor
R. A. Finnegan



This \$5 million HVAC project involves:

- the demolition of the existing HVAC System which includes single zone air handling units, multizone air handling units, unit ventilators, boilers and pneumatic control system

- abatement of asbestos insulation on boiler piping

- the construction of the new Mechanical Rooms at Building A and F

- the installation of the new hot water boiler plant which includes four 1750 MBH boilers, pumps, hydronic specialties and controls

- the removal of corridor ceilings and installation of two 225 ton chilled water piping mains. As part of the removal of the corridor ceilings all existing ceiling mounted equipment shall be temporary suspended until new ceilings are installed and the equipment can be remounted. The ceiling mounted equipment shall be field verified and will include but is not limited to lights, sprinklers, smoke detectors, exit signs, intercom speakers, air inlets & outlets, etc.

- the installation of the primary conduits, concrete pads for the utility pedestal and transformers, the secondary conduits and conductors from the transformer to the existing switchboard in Building 'H', as well as the cutover of this switchboard to the new service, secondary conductors and raceways from the other two transformer pads to the panelboards in the new Mechanical Rooms at Building A and F.

- the air handling units serving the Auditorium and Cafeterias will be replaced when the school is on a break, and the work will be completed and the systems operational prior to the students returning to the school.

- the remaining air handling units will be replaced during the school year. The adjacent classrooms, where the units will be removed and re-installed, shall be relocated temporarily.

- the exhaust fans and other miscellaneous mechanical equipment replacement shall be coordinated with the owner and engineer.

- the unit ventilators are to be replaced in the summer of 2010, which includes misc. pipe chases, valving & electric.

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Chapmanville Regional High School Logan County Schools

Chapmanville, West Virginia

Owner
Logan County Schools

Size
138,500 SF approx.

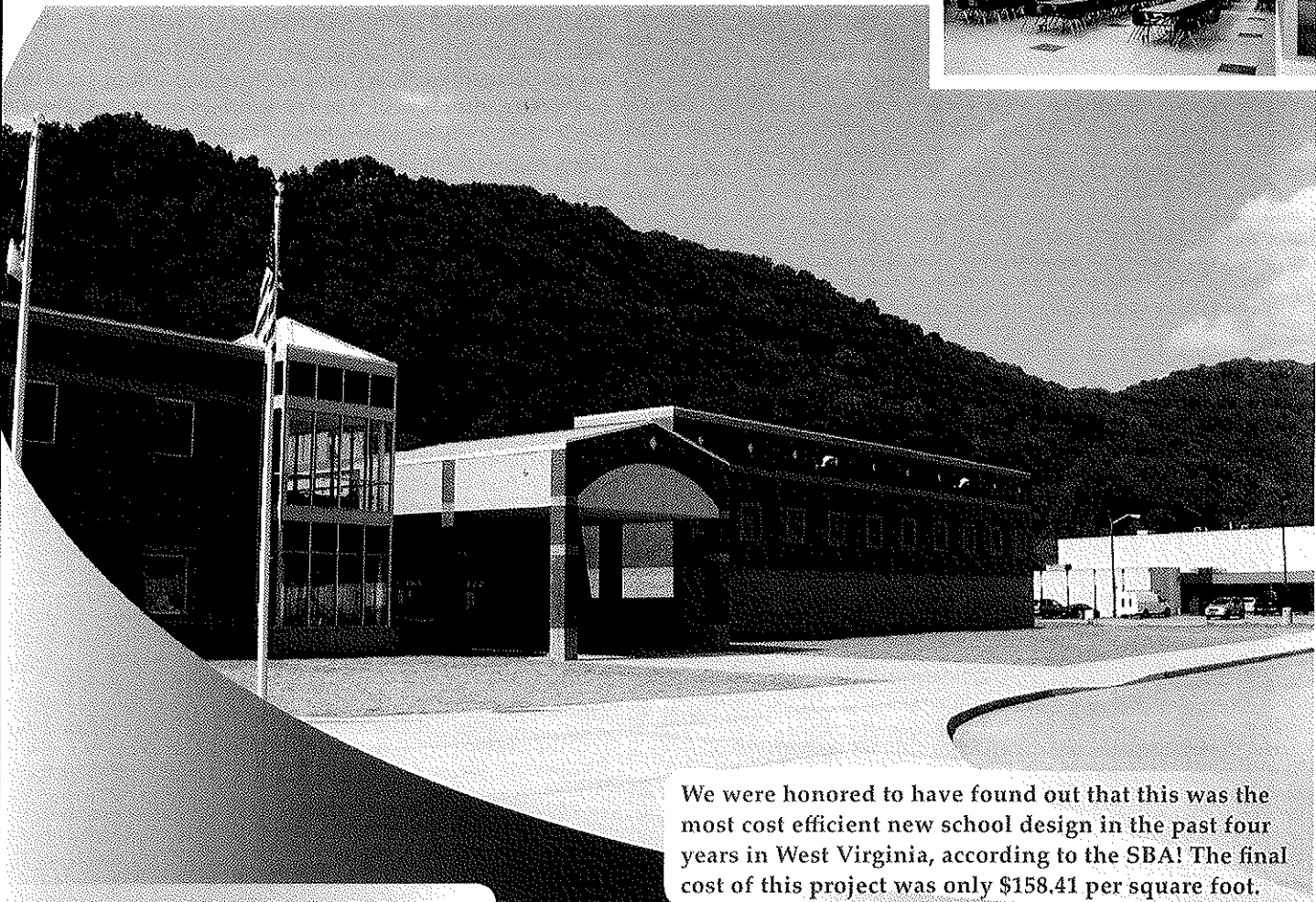
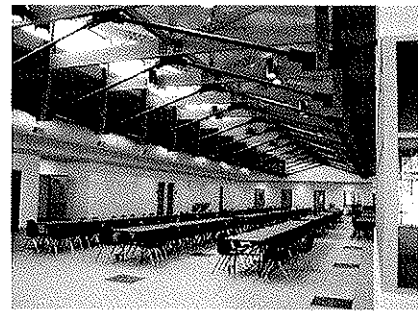
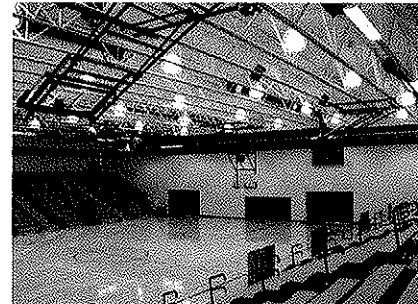
Construction Cost
\$21 million

Project Architects-Engineers
McKinley & Associates

Project Architect
Gregg Dorfner, AIA

Contractor
City-Window & Construction Co.

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



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

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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. Worlledge, AIA, LEED AP

Contractor
Grae-Con Construction

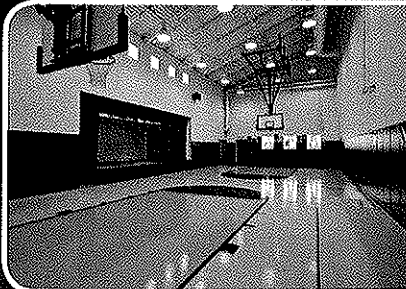
The 49,700

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 Silver 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 will be the first LEED Certified School (K-12) in the state of West Virginia.**



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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 Architect
Gregg P. Dorfner, AIA

Contractor
Nello Construction



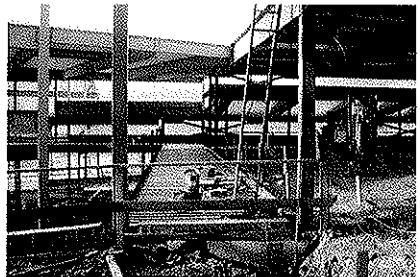
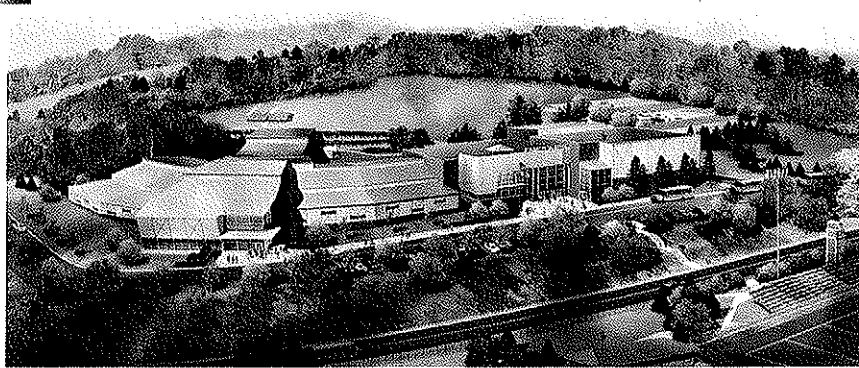
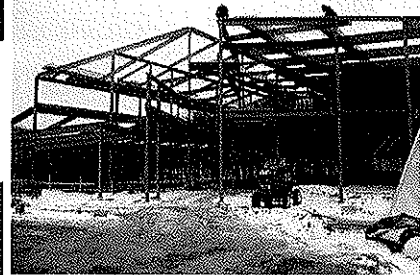
Currently under construction is the new Cameron Middle School / High School for Marshall County Schools (MCS). This is a 270-student High School, to which a 155-student Middle School program and a HS-level Agricultural Sciences program are added; total school capacity is 425 students attending grades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

Certification, incorporating sustainable, "green" concepts. **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 & 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.

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John Marshall Field House Marshall County Schools

Moundsville, West Virginia

Owner
Marshall County Schools

Size
25,540 SF

Construction Cost
\$4 million approx.

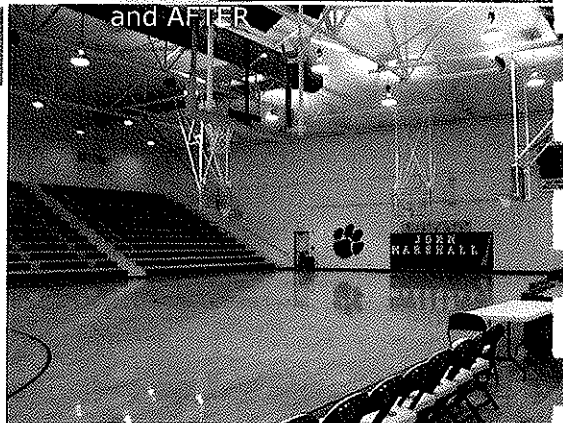
Project Architects-Engineers
McKinley & Associates

Project Architect
Gregg Dorfner, AIA

Contractor
Grae-Con Construction

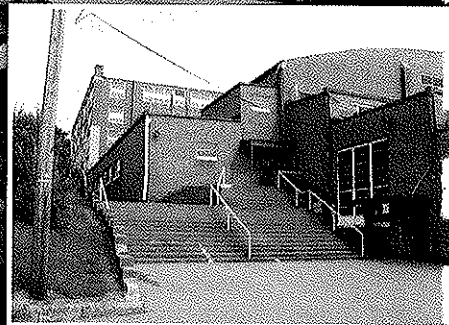
This project involved the renovation of the existing John Marshall Fieldhouse facility, which included a new vinyl composite tile flooring, replacing 2 existing scoreboards, stadium seats & fixed bleachers (approx. 1,800-seats), the ceiling, the motorized main court & cross-court backstops, and all the windows; renovating the existing locker rooms; converting the existing JHS cafeteria/kitchen space into new entrance/concessions area with public toilet rooms; repainting the gym walls; providing a new elevator addition to allow for lower parking lot access to new lobby areas; HVAC upgrades; electrical upgrades; new sound system; new lighting; and an extended fire alarm and data systems.

BEFORE
and AFTER



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BEFORE
and AFTER



Wheeling Park High School Ohio County Schools

Wheeling, West Virginia

Owner
Ohio County Schools

Size
16,500 SF approx.

Construction Cost
\$1.2 mil.

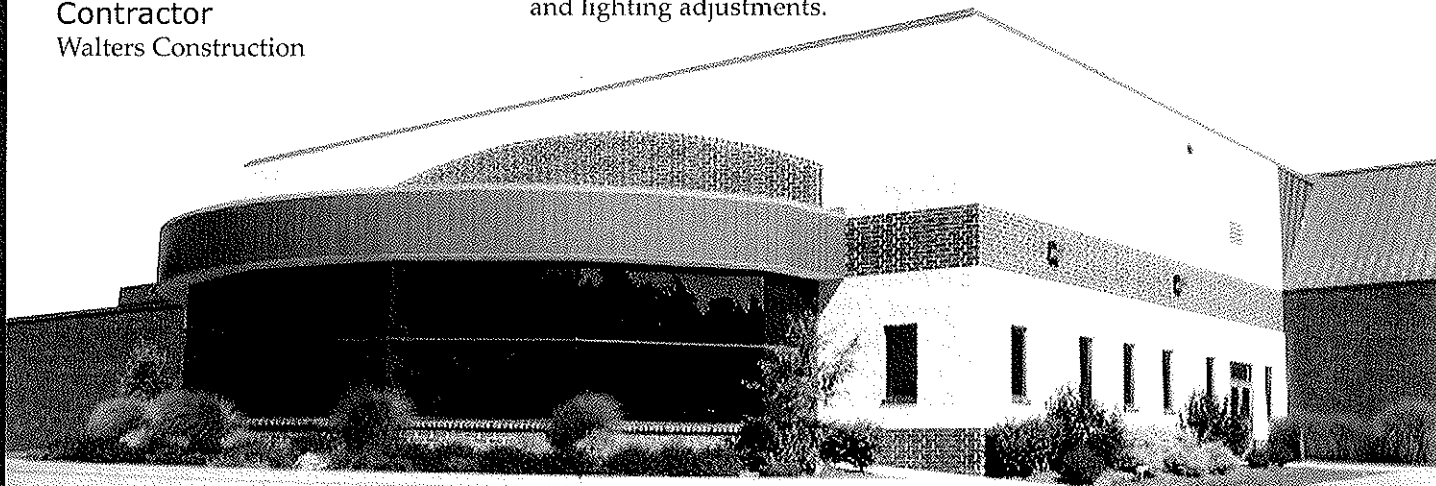
Project Architects-Engineers
McKinley & Associates

Project Architect
Gregg Dorfner, AIA

Contractor
Walters Construction

Ohio County Schools
requested architectural and
engineering services to create an approx.

16,500 SF addition, as well as renovations to existing space, to Wheeling Park High School. This \$1.2 million project consisted of a food court that serves 600 students every 21 minutes, as well as a new kitchen. In the kitchen area, there were renovations which included the existing 6,140 SF dry storage area, as well as renovations of a classroom for 3,720 SF of additional dry storage space. Moreover, we added new kitchen equipment including a new cooler and freezer. There were new ceilings, lighting, door openings, and HVAC adjustments. The server area for the Cafeteria is made up of 3 separate lines entered from the corridor, which are 1) full meal, 2) a la carte and 3) soup and salad. There are 3 cashiers at the end of the serving lines, and each line has a back-up area for storage and a hand sink. The full meal line has a back-up area large enough 3 tube pot sinks. The commons area included 4,560 SF of renovations to the existing commons area, renovation of the food service area, new walls and ceiling, and HVAC and lighting adjustments.



In addition to renovations, there was also 7,159 SF of new additions which included new food court equipment and new furnishings. We also converted a small commons area into a 3,320 SF Technology Center.

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J.B. Chambers Performing Arts Center Ohio County Schools

Wheeling, West Virginia

Owner
Ohio County Schools

Size
1,200 Seat Auditorium

Construction Cost
\$10 mil. approx.

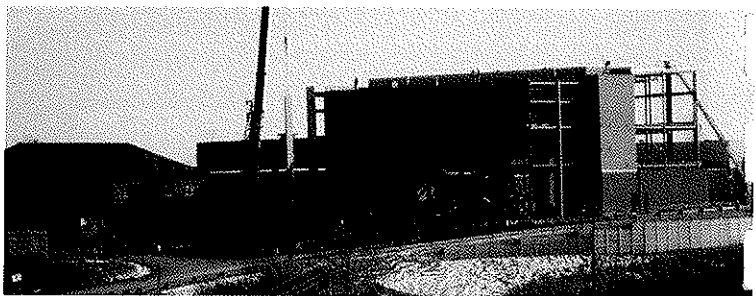
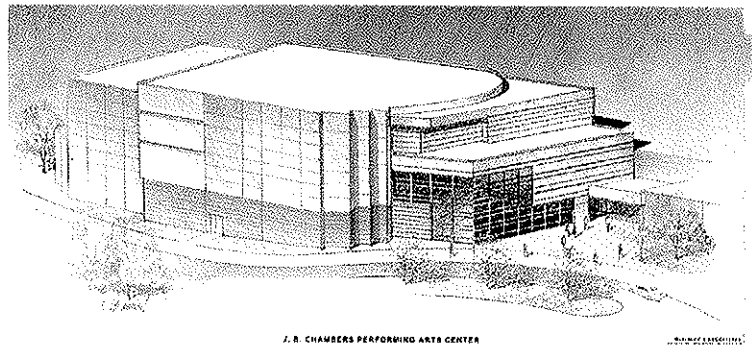
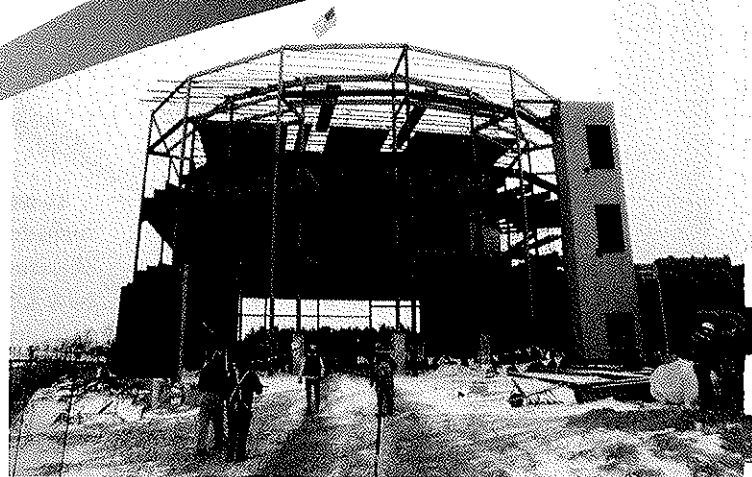
Project Architects-Engineers
McKinley & Associates

Project Architect
Ray Winovich, RA

Contractor
Jarvis, Downing & Emch, Inc.

Currently in construction is a new \$10 million Performing Arts Center for Ohio County Schools. This 1,200 seat performing arts center is to be integrated with Wheeling Park High School, and will take center stage for any production for any school in the district, replacing the old 400-seat theater inside the high school. This project is expected to be finished by the start of the 2011 school year. The theater features a wrap-around configuration which gives the audience the closest proximity to the stage. The main floor holds 800 persons, while the 2 upper galleries hold 200 persons each.

This project was built with Professional Class Performing Arts Capabilities. The 4,000 SF stage has Professional-Grade theatrical rigging and sound systems. The entire theater is 34,000 SF, and the scene shop is an additional 1,500 SF. In addition to the theater, we also added 6,000 SF of renovations to the existing Wheeling Park High School building.



Parkersburg High School Wood County Schools

Parkersburg, West Virginia

Owner
Wood County Schools

Size
254,000 SF approx.

Construction Cost
\$19 million

Project Architects-Engineers
McKinley & Associates

Project Architect
Thomas R. Worledge, AIA

Contractor
Grae-Con Construction

Parkersburg High School was founded in 1867, and was one of the first high schools in the state of West Virginia. The current building housing is a Tudor style structure with three stories housing over 38,000 SF. It was built in 1917, making it one of the oldest school buildings in West Virginia and it is one of the largest high school campuses in the state. The original building features extensive stone work and exquisite interior plaster work detailing. The renovation project encompassed all of the original building, an addition of a three story science and cafeteria wing and an auxiliary gymnasium for a total cost of 20 million dollars.

In 2005, a bond issue was passed to upgrade all the high schools in the county; in the fall of 2008, the work was complete. Being a historic school with a strong alumni association, it was paramount that the original historic caricature of the building remained intact. Our design protected the grand front façade in favor of small additions to the rear of the building. We carefully matched the profiles of the stone and matched the brick to give a seamless transition from the old and new structure on the exterior. Many meetings were held with the state historic association and the alumni to insure the building would not be disfigured by the renovations and additions.



The interior of the building needed major upgrades including a new electrical system (an upgrade to the electrical service, including medium voltage distribution, and renovation work), a new HVAC system, fire protection upgrades and major interior space planning to meet a modern high school's needs. The HVAC system required that we put louvers through the wall. We designed a custom grill colored to match the brick to conceal the intakes.

McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

Parkersburg South High School Wood County Schools

Parkersburg, West Virginia

Owner
Wood County Schools

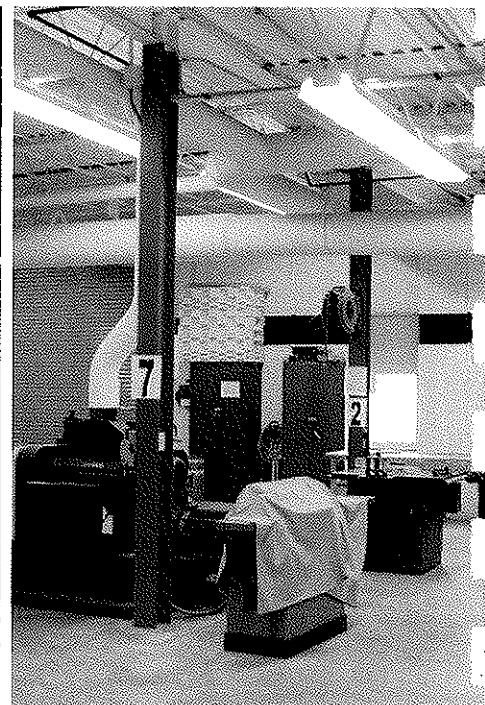
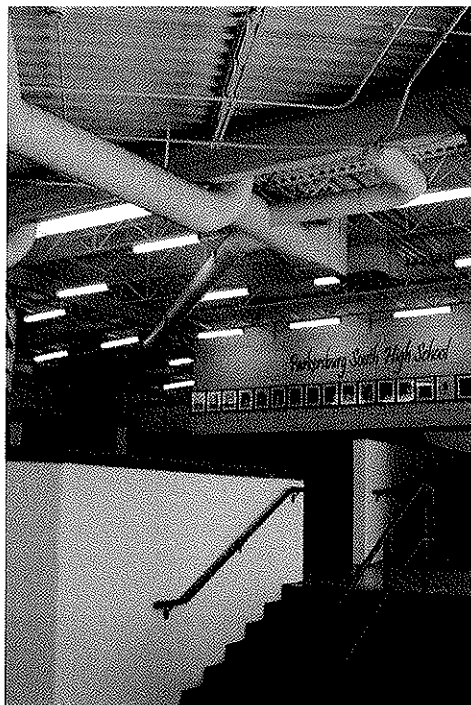
Size
270,000 SF approx.

Construction Cost
\$23 million

Project Architects-Engineers
McKinley & Associates

Project Architect
Ray Winovich, RA

Contractor
Grae-Con Construction



Completed in July 2008, Parkersburg South High School is one of three high schools in Wood County in which we completed major construction. The project included 270,000 SF of demolition, additions, renovations and construction administration for an educational campus. Additions included were science laboratories, industrial arts, day care facilities, offices, general classrooms and athletic gymnasiums. Scope also included system wide coordination access control.

Colson Hall West Virginia University

Morgantown, West Virginia

Owner
West Virginia University

Size
35,000 SF approx.

Construction Cost
\$5.6 mil.

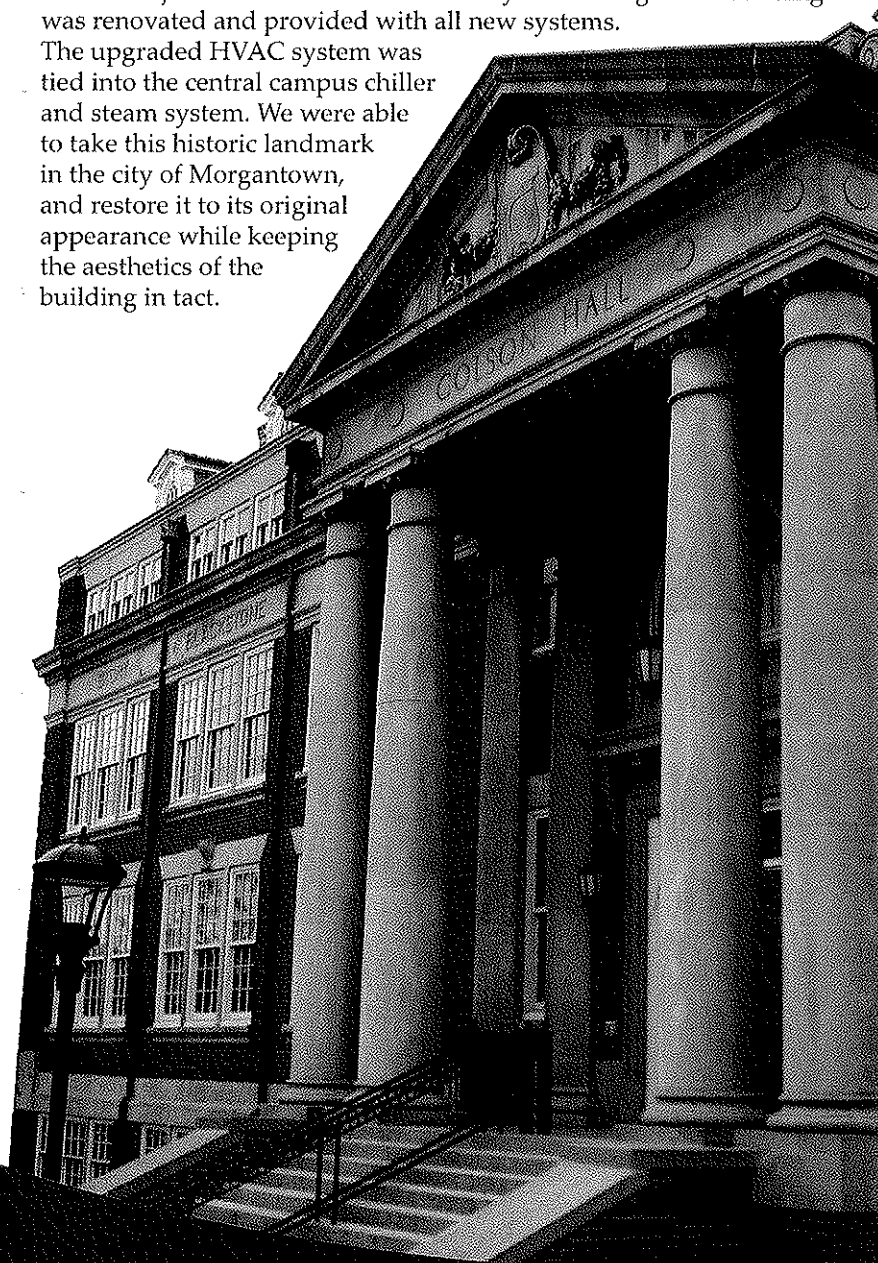
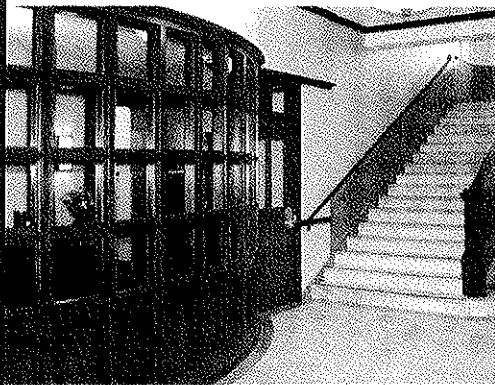
Project Architects-Engineers
McKinley & Associates

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 from 1923, 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.



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN

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.

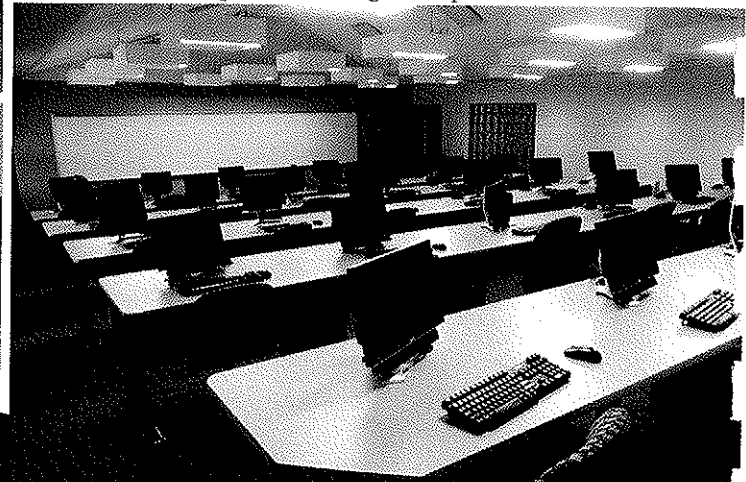
Project Architects-Engineers
McKinley & Associates

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.



Institute of Technology: Maclin Hall West Virginia University

Montgomery, West Virginia

Owner

WV Institute of Technology
West Virginia University

Size

53,900 SF approx.

Construction Cost

\$6 million

Project Architects-Engineers

McKinley & Associates

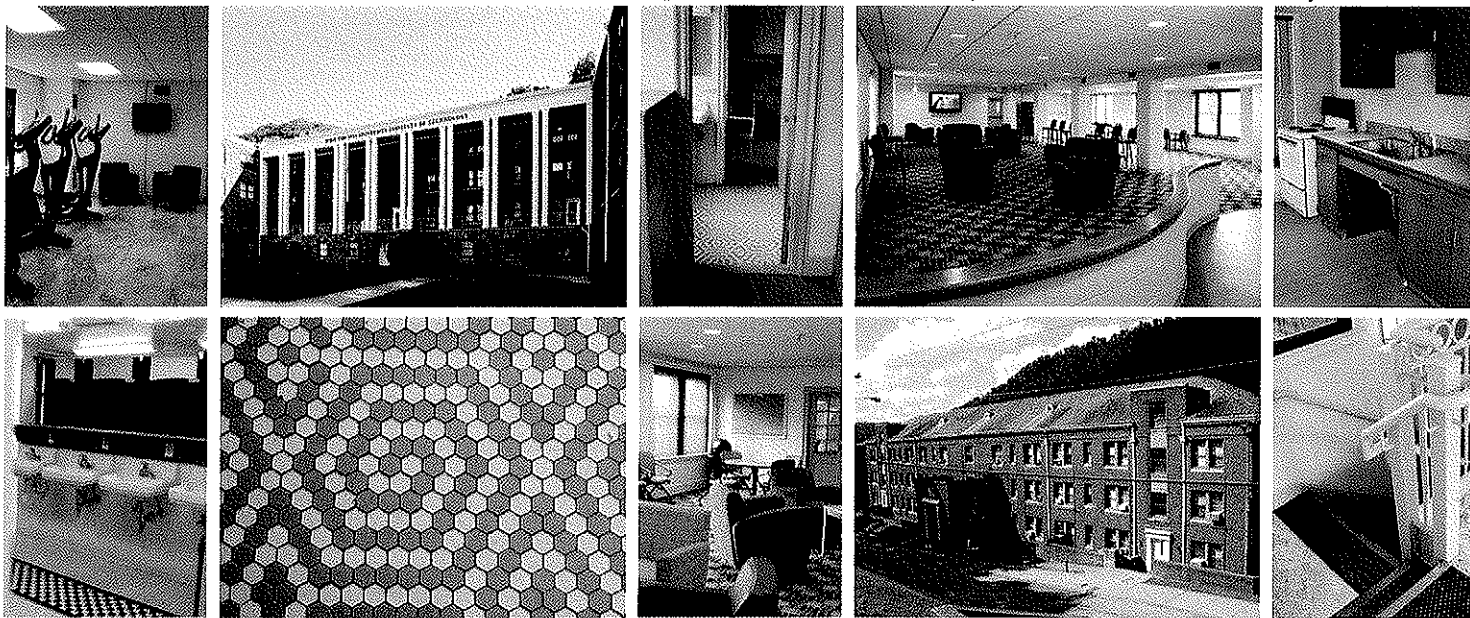
Project Architect

Thomas R. Worlledge, AIA

Contractor

Wiseman Construction

A comprehensive renovation to the historic Maclin Hall dormitory, originally built in 1938, on the campus of WV Tech in Montgomery, WV. The \$6 million project was **designed in less than a month**, and included redesigning the shared areas, new finishes, new roof, and restoration of the exterior. We also replaced the entire HVAC, lighting, fire protection, data systems and renovated the shared restrooms. In this 53,900 SF building, we added a theater room, exercise area, laundry room, studies, computer rooms, tv rooms for video games, student commons areas, and lounges. We completely regutted the restrooms and provided new shower facilities. **This project had two fast-tracked aspects to it; there was a design time of only 6 weeks, along with a construction time of only 6 months. This project was fast-tracked throughout the summer of 2007, so the building could be occupied by students for the start of the 2007-2008 school year. Even with this extremely short timeline, we were still able to bring the project in under budget.** The project has had subsequent phases, and WV Tech is currently awaiting funding so we can complete the design on a boiler replacement, which is used by both Maclin Hall and Conley Hall.



McKINLEY & ASSOCIATES
ARCHITECTS • ENGINEERS • INTERIOR DESIGN



B. & O. Building and South Plaza WV Northern Community College

Wheeling, West Virginia

Owner

West Virginia Northern Community College

Size

74,000 SF approx.
(excluding South Plaza)

Construction Cost

\$1.8 million
(excluding South Plaza)

Project Architects-Engineers

McKinley & Associates

Project Architect

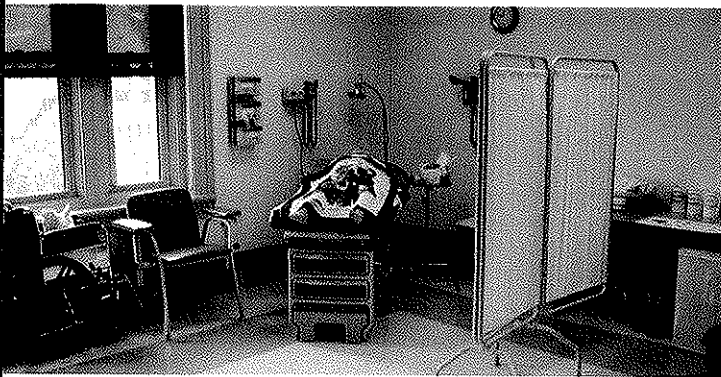
Denis Gill, AIA

Contractor

Cattrell Companies

This \$1.8 million renovation project (not including the South Plaza) was completed in **multiple phases**, and was **constructed while the building was occupied during the school year**. It involved remodeling on the second, third and fourth floors, and the renovations included faculty offices, classrooms, a library, and 3 science laboratories. The building was built in **1908**, and is on the **National Register of Historic Places**.

The goal of the 74,000 SF B. & O. Building was to upgrade the old railroad station into a facility that could be used for academic research and education. Work included demolition of existing interior walls and acoustical tile ceilings; providing gypsum board partitions, interior finishes, associated lighting, HVAC, plumbing, laboratory furnishings, data, communications and HVAC work; and new equipment and furnishings for Chemistry Laboratory, new furnishings and expansion of the Micro-Biology Laboratory, and refurbishing of equipment in the A & P Laboratory.



The B. & O. Building's South Plaza included newly constructed parking areas and a landscaped gathering place for students and pedestrians. The scope of work involved taking an old vacant lot behind the main classroom building and cleaning it up by removing old stone footing, column pieces and foundations. A gathering area was placed in the center of the lot and parking areas were placed on each side. The plaza area was raised above the parking area to give it more dominance of the space.



The Education Center WV Northern Community College

Wheeling, West Virginia

Owner
West Virginia Northern Community College

Size
80,000 SF approx.

Construction Cost
\$11 million

Project Architects-Engineers
McKinley & Associates

Project Architect
Denis Gill, AIA

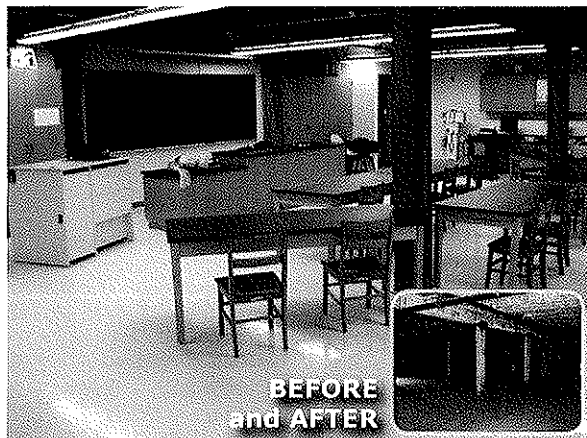
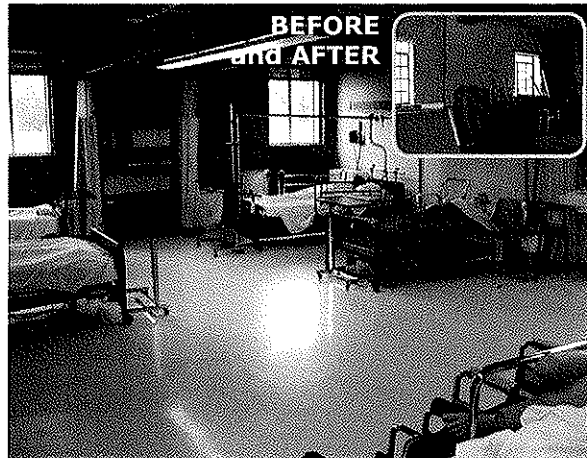
Contractor
Colaianne Construction
and Cattrell Companies

McKinley & Associates has vast experience completing building renovations such as the 80,000 SF industrial warehouse (the former Wheeling Wholesale Building) that was presented as The Education Center. This \$11 million, four-story project houses classrooms, offices, a food court, kitchen facilities, conference rooms, utility areas, student activities areas including a gymnasium, as well as laboratories for research. Also included in the design was a new roof, ADA compliance, HVAC upgrades, fire protection and exhaust systems, telecommunication, floors, walls, ceilings, and interior design.

With thoughtful planning and contemporary aesthetics, McKinley & Associates renovated the building while successfully maintaining its historic nature, and integrating it into the modern campus fabric. This was accomplished in part by the addition of a gymnasium which required the removal of an internal structural floor, and by coordinating a commission artwork mural into the design of the structure.

The initial project spanned into other renovations as well as construction

of an overpass that serves as a connection between the B. & O. Railroad Building and the Education Center. This walkway, which is about to be constructed, will provide students a quick and safe passage between buildings while avoiding traffic.



Rhode Island School for the Deaf New Facilities Feasibility Study

Services:

- Deaf Education Facility Programming
- Schematic Design
- Design Development
- Construction Documents
- Communication and Visual System Design
- Lighting Systems design for the Deaf
- **Leadership in Energy & Environmental Design (LEED)**

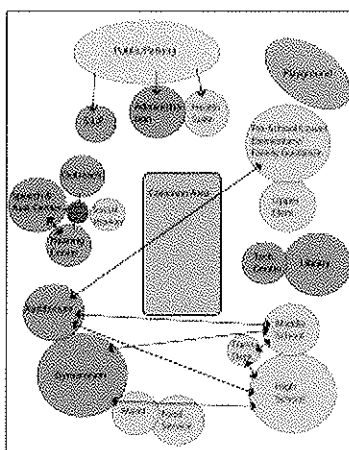
Client:

Rhode Island School for the
Deaf
John Plante, Head of School
One Corliss Park
Providence, RI 02908
401/222-7446

Date: Fall of 2008

Feasibility Study Cost:
\$133,400

New Campus Cost: \$31.9 million



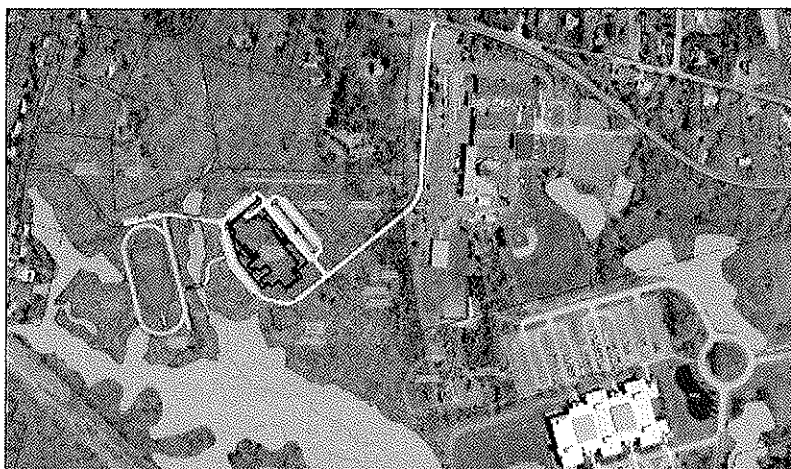
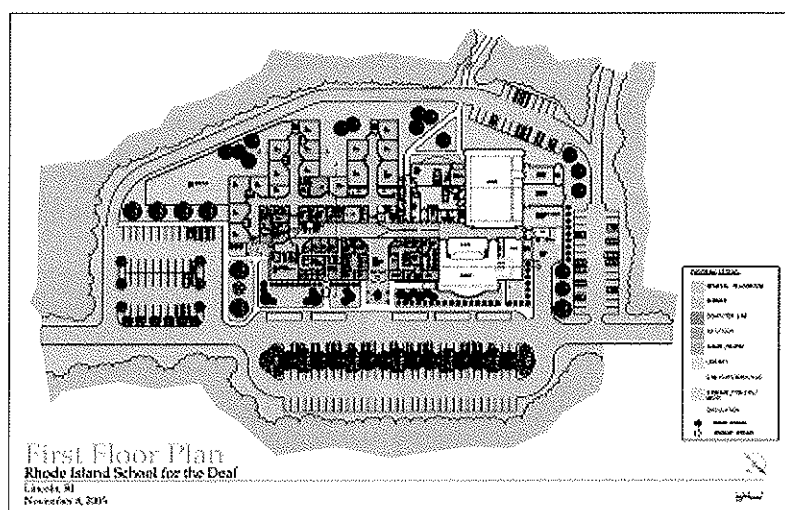
Programming feasibility diagram

*Proposed facilities
site plan*

Winter & Company Special Needs Studio and Design Partnership of Cambridge were selected by the State Purchasing Office of Rhode Island to provide a new facilities feasibility study. The plan calls for all phases of design and construction on Deaf-friendly pre-school through 12th grade facilities to be built in Lincoln, Rhode Island on the campus of the Community College of Rhode Island. In addition to the educational buildings, new administration and athletic facilities as well as public use areas will be included in the 107,000 square feet project at a cost of \$31.9 million dollars.

The keystone of the project is the Campus Development Plan that focuses on Site Planning, Visual Circulation and Parking, and Campus Image and Appearance.

The project began in February of 2006. Completion is expected in the fall of 2008.



Winter & Company

Special Needs Studio



SITE WORK

PROJECT: Hilltop Elementary School Site Work

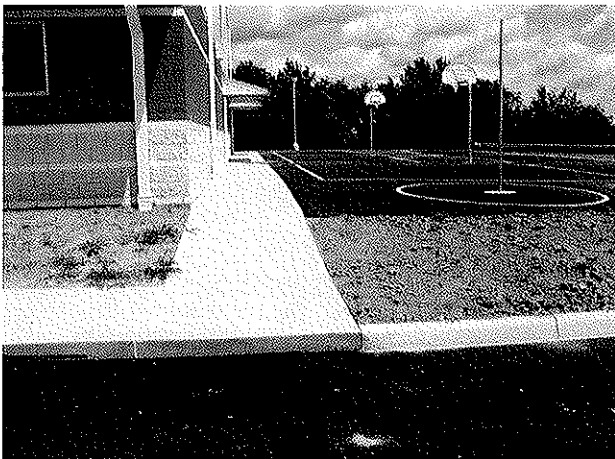
Owner:
Marshall County Board of Education

Location:
Sherrard, West Virginia

Construction Cost:
\$400,000 (Site Work Only)

Project Architect-Engineers:
McKinley & Associates
Stafford Consultants

Description:
New elementary school with associated parking, sidewalks, and storm drainage. Also included a small playground area and paved basketball court.



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INCORPORATED**
Engineering Design and Consulting

SITE WORK

PROJECT: Williamstown High School Site Work

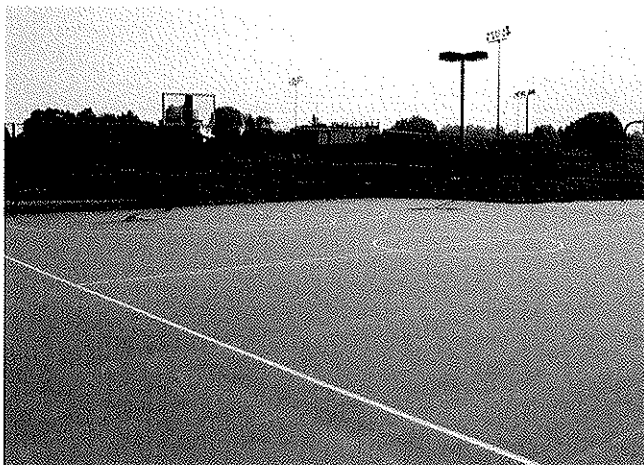
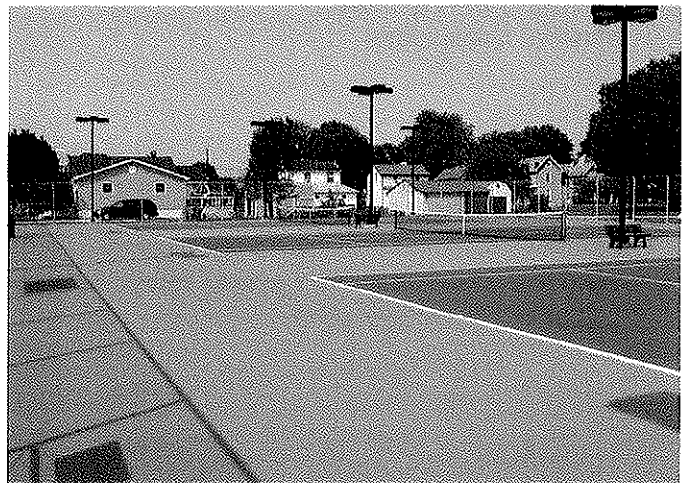
Owner:
Wood County Board of Education

Location:
Williamstown, West Virginia

Construction Cost:
\$700,000 (Site Work Only)

Project Architect-Engineers:
McKinley & Associates
Stafford Consultants

Description:
Building addition with associated parking and sidewalk improvement. Also constructed new basketball court and tennis court facility.



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SPORTS FACILITIES

PROJECT: Anne S. Hunnicutt Stadium at Princeton Senior High School

Owner:
Mercer County Schools

Location:
Princeton, WV

Construction Cost:
\$660,000

Project Architect-Engineers:
Stafford Consultants

Description:
Improvements to field subsurface
drainage and installation of Field-Turf
artificial playing surface.



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BUILDINGS & STRUCTURES

PROJECT: Princeton Middle School

Owner:
Mercer County Board of Education

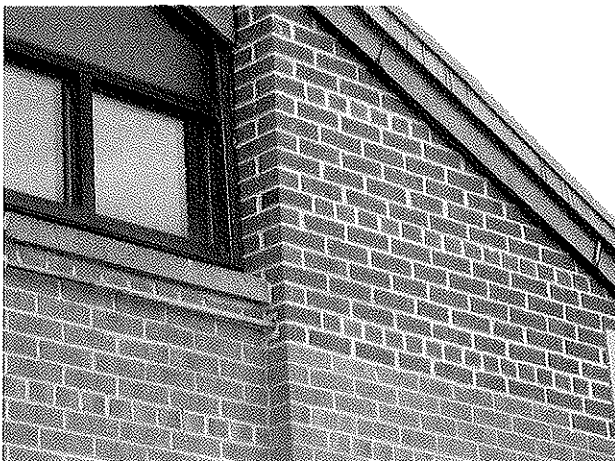
Location:
Princeton, Mercer County, WV

Construction Cost:
\$200,000

Project Architect-Engineers:
Stafford Consultants

Description:

Structural repair of cracked walls due to insufficient structural support of curved end wall of gymnasium. Steel tension rod installed to create faux "truss" to carry snow loading on roof.



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SPORTS FACILITIES

PROJECT: West Virginia University Football Stadium

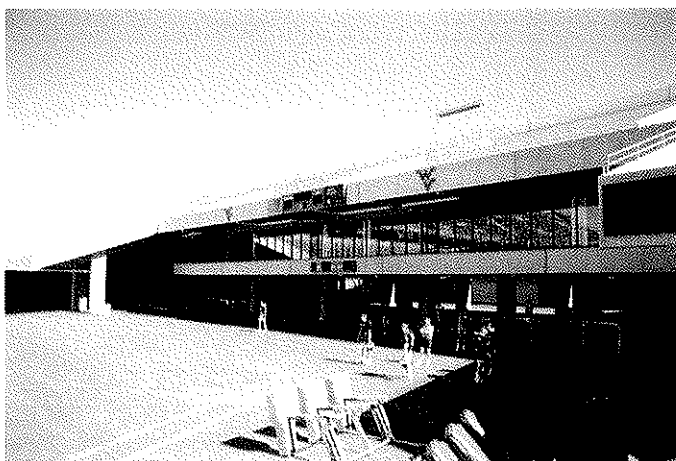
Owner:
West Virginia University

Location:
Morgantown, WV

Construction Cost:
\$35 million

Project Architect-Engineers:
Stafford Consultants, Civil & Structural
In Association with Rosser/Fabrap of
Atlanta, GA

Description:
60,000 seat stadium, home of the West
Virginia University Mountaineers.



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SPORTS FACILITIES

PROJECT: Marshall University Football Stadium

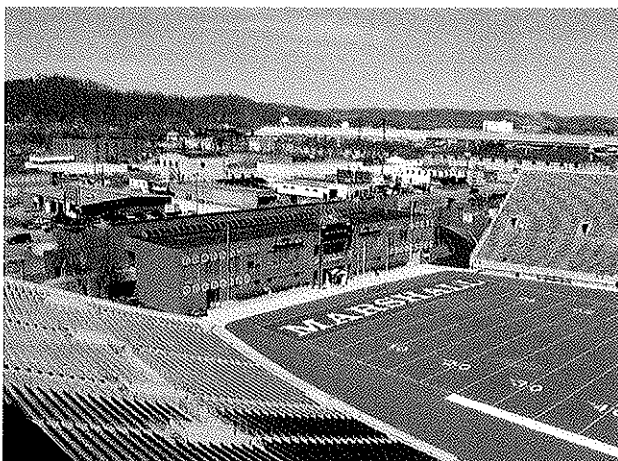
Owner:
Marshall University

Location:
Huntington, WV

Construction Cost:
\$33 million

Project Architect-Engineers:
Stafford Consultants, Civil & Structural
In Association with Rosser/Fabrap of
Atlanta, GA

Description:
30,000 seat stadium, home of the
Marshall University Thundering Herd.



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