

assemblage ARCHITECTS

Mr. John Abbot
Purchasing Division
2019 Washington Street East
P.O. Box 50130
Charleston, WV 25305-0130

April 8, 2007

Mr. Abbot,

Please accept this letter and its accompanying document as an expression of interest for professional design service for the design of a new Multi-Purpose Building facility in Kingwood, West Virginia. We are proudly joined in this expression by AMEC, McKinley and Associates, Moment Engineers and Construction Cost Systems, Inc.

Our work at Camp Dawson over the past 11 years have followed the West Virginia Army National Guard's leadership vision and has been instrumental in providing the camp with an architectural language and a sense of place, and we hope that we can continue our contribution with the design of this key facility .

Our extensive experience in the National Guard Bureau projects allows this team to contribute towards the goal for a collection of timeless and functional facilities that can serve the vision and the mission of the West Virginia Army National Guard for many years to come.

With Respect,



Hamid Noughani, AIA

Principal
Assemblage Architects
369 Brockway Ave.
Morgantown, WV 26501
noughani@assemblagearchitects.com
T 304 284 0510
F 304 284 0156

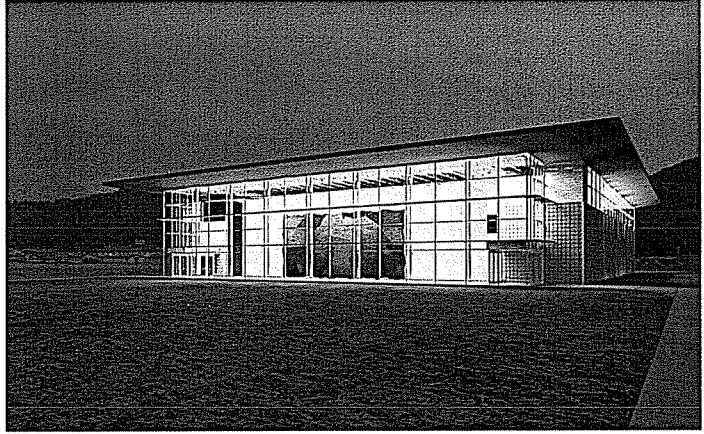
Enclosure:

| | |
|------------|---|
| Section 1: | Firm Profiles |
| Section 2: | Personnel Resumes |
| Section 3: | Management, Quality Control, and Cost Control Plans |
| Section 4: | Portfolios |
| Section 5: | Liability Insurance Certificate |

RECEIVED

2008 APR -7 A 9: 28

PURCHASING DIVISION
STATE OF WV



Camp Dawson Multi-Purpose Building

West Virginia Army National Guard
Kingwood, West Virginia

RFQ # DEFK8179
April 8, 2008

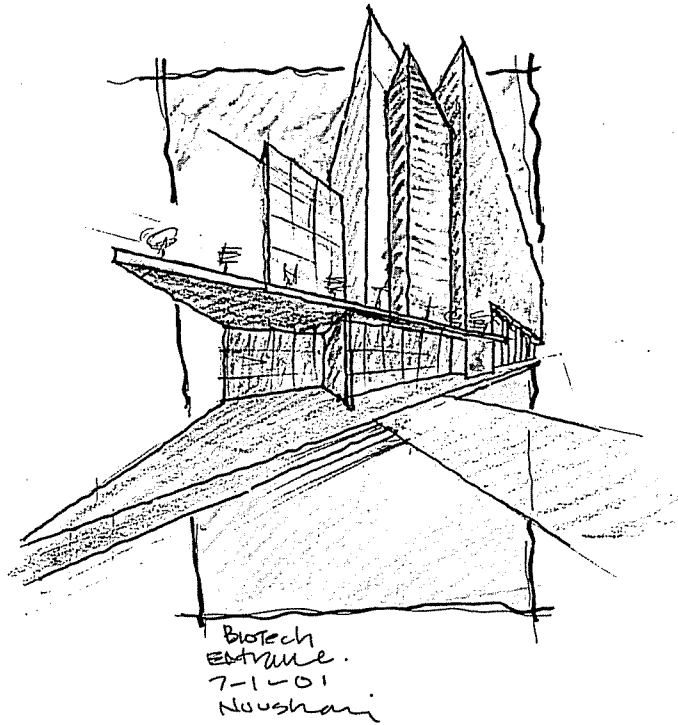
assemblage Architects

| | |
|-------------------|-------------------------|
| Site and Civil: | AMEC |
| Building Systems: | McKinley and Associates |
| Structural: | Moment Engineering |
| Cost Estimating: | C.C.S. Inc. |

Assemblage Architects
410 D'Onofrio Drive
Madison WI 53719
T 608 827 5047
F 608 827 6960

369 Brockway Ave.
Morgantown, WV 26501
T 304 284 0510
F 304 284 0156

Section 1: Firm Profiles



Firm Profile

Assemblage Architects is a Madison based architectural practice with a focus on technically challenging projects across a broad range of building types. It was established in 2000 by Hamid Noughani, AIA, LEED AP, as a sole proprietorship practice offering consulting services to selected clients nationwide. As of November 2003, the practice has reorganized as Assemblage Architects, a limited liability corporation, as a response to the clients' need for a full service architectural firm. The firm's principals are veteran project managers from local architectural firms and enjoy significant design and management experience completing many successful building projects in the region.

Our practice reflects our professional values, we can build a better world if we assemble a team of collaborators that are all experts in their particular field, as it relates to each particular project. We have established an environment that is based on a design process. The process includes: discussion of ideas, analytical review of ideas, and testing with visual methods, in order to incorporate as many aspects of the original ideas as possible. We believe that the analysis of a complex building design is the responsibility of the design team; and we take it upon ourselves to learn about the project's inner complexities and present solutions that are well documented and complete.

The firm consist of three registered architects, two architectural interns and an administration staff. Assemblage Architects' offices are located at 410 D'Onofrio Drive in Madison, WI.



AMEC Intro

Assemblage Architects has selected **AMEC** as their **business partner** for this contract. The Team will use AMEC's **breadth of services, technical expertise, and resources** to support successful delivery on this contract. AMEC is a **recognized world leader** in technical services and provides cost-effective environmental and engineering services. According to rankings by Engineering News Record, they are **one of the largest international engineering services organizations in the world**. They truly provide **"World Skills at your Doorstep"** through **"Local Service, Global Reach."**

With more than **3,000 employees throughout the North America** and over **1,600 professionals in the U.S.**, AMEC has the qualified resources necessary to provide geotechnical, civil engineering, and environmental planning support to the Team and the West Virginia Army National Guard (WVARNG). For the past **14+ years**, AMEC has been **providing nationwide engineering and environmental planning services to both the Army and Air National Guard**.

In particular, **AMEC** and its predecessors has a **long, successful history with the WVARNG**. Over the years, AMEC has supported the WVARNG at **Camp Dawson** and number of other locations across the state on a series of instrumental projects. **The individuals assigned to this contract have first-hand knowledge of the topography and soil conditions that will be challenges in making the proposed multipurpose building a reality. They are the same set of resources that performed geotechnical and civil engineering services on WVARNG's Modified Record Fire Range (MRFR). Their expertise on civil site layout saved millions in development costs.**

AMEC and Assemblage Architects have a synergistic history of successful projects together, including Camp Dawson's conceptual master plan.

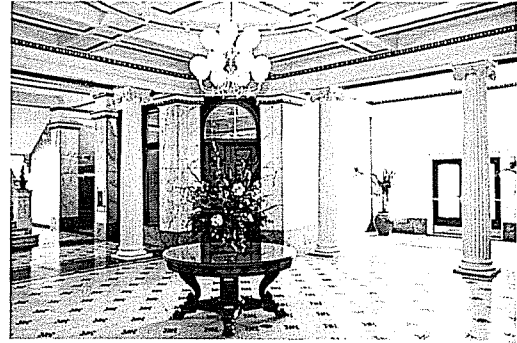


CORPORATE INFORMATION

Firm History

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

In the past 25 years, **McKinley & Associates** has had extensive experience using **team approach** of bringing multiple firms together to collaborate by utilizing various skills in order to execute a successful project.



Firm Information

David McKinley, PE
Principal

Gregg Dorfner, AIA
Director of Architecture

Tim Mizer, PE, RA
Director of Engineering

Gary Beighley
Director of Contract Admin.

Date of Incorporation

1981 Wheeling, West Virginia

Number of Professionals

| | |
|------------------------------------|------------|
| Total Size | 40+ |
| Architects & Interns | 12 |
| Engineers | 6 |
| Construction Administration | 3 |
| Quality Control | 2 |
| Arch./Eng. Designers | 12 |
| Interior Designs | 1 |
| MIS | 1 |
| LEED Architects | 1 |

Location

Headquarters

The Maxwell Centre
Thirty-Two - Twentieth Street
Suite 100
Wheeling, West Virginia 26003

P: 304-233-0140
F: 304-233-4613

Satellite Offices

Washington Trust Building
Suite 1028
6 S. Main Street
Washington, Pennsylvania 15301

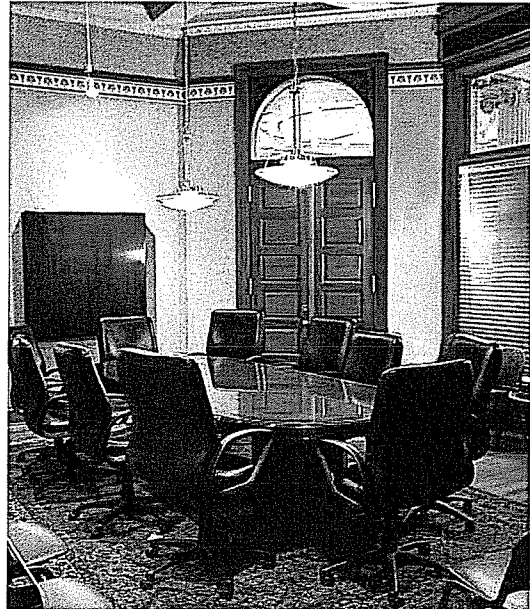
P: 724-223-8250
F: 724-223-8252

1116 Smith Street
Charleston, West Virginia 25301

P: 304-340-4267
F: 304-340-4269

Future Plans

McKinley & Associates is proud of our past and are looking forward to a bright future, with **no plans** of merger or acquisition, which would impact this proposal.



QUALIFICATIONS

Founded in 1981, McKinley & Associates has become generally accepted as the largest A/E firm in West Virginia. During a record breaking in 2005 we provided design services for projects representing more than \$80,000,000 in construction value. The firm's revenues should reflect another increase in client services for this year as well.

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

We recently completed the \$20 million - 600,000 SF Phase II of Cabelas Distribution Center, with the project totals of \$40 million and 1,200,000 SF.



Two of our most recent educational projects are the \$63 million High School projects in Wood County, WV and the \$20 million new Chapmanville High School in Logan County, WV. We continue to work with the Ohio School Facilities Commission (OSFC) and West Virginia's School Building Authority (SBA) on a consistent basis with great success.

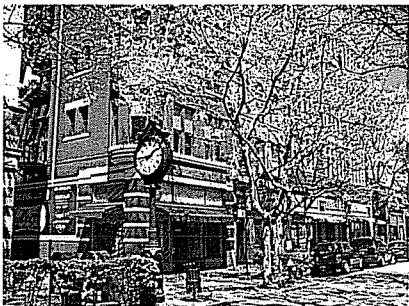
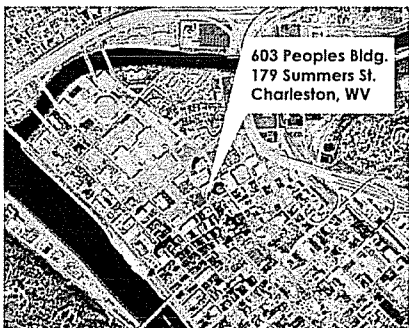
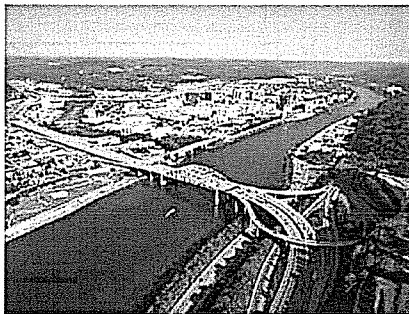
We are currently on our second 5-year contract with the State Police. We completed a major master-plan of all of their 72 buildings statewide, as well as design for many detachments, which includes renovations, additions and new buildings.



Now West Virginia's largest A/E firm, our 40+ person Professional staff includes: Architects; Civil, Structural, Electrical and Mechanical Engineers as well as Interior Designers and Planners. Our professional staff has over 570 years of combined experience.

McKinley & Associates
Architects • Engineers • Interior Design

Background



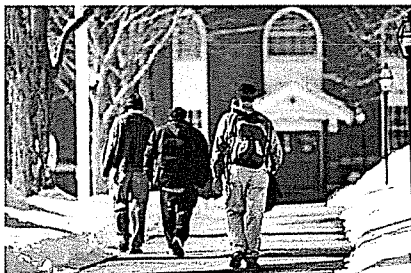
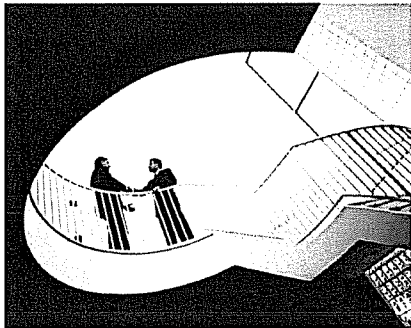
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early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

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

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



Approach



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

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



Construction Cost Systems, Inc.

Firm Profile

Construction Cost Systems, Inc., (CCS), is an independent consulting firm specializing in the preparation of construction cost estimates at all phases of design since 1979. CCS' corporate headquarters is located in Oakbrook Terrace, Illinois with branch offices in Waldorf, Maryland, Durham, North Carolina and Altamonte Springs, Florida. CCS has 30 full-time employees on staff.

CCS provides industry professionals with detailed, objective information that represents the scope, complexity and quality anticipated for their projects. We are dedicated to working with our clients to identify their needs and help them achieve their project goals.

Scope control is the key to any successful construction project, and timely cost estimates are useful decision-making tools that serve as benchmarks to validate budgets as designs evolve. Our role as an independent cost consultant allows the owner, architect and other team members to function more productively and effectively in their own roles.

CCS brings a diverse knowledge base to any project team. Our full-time staff of cost professionals has experience working on projects of all types and sizes and is comprised of Certified Cost Engineers, Certified Professional Estimators, schedulers, and quantity surveyors.

With specialists in all major construction disciplines including architectural, structural, civil, mechanical and electrical, we give design teams time to focus on what they do best. . . design.

CCS, a minority owned business, is registered with a variety of Federal, State and City agencies as a Minority Business Enterprise (MBE) including the State of Illinois, State of Texas, State of Indiana, State of Wisconsin, State of Missouri and the Commonwealth of Virginia.



WE ARE COMMITTED TO BUILDING A BETTER WORLD.

Sustainable Design

Our commitment is long standing and has informed our professional practice for many years. We are currently in the process of designing a complex facility for the US National Guard aiming at a LEED silver designation. We consider LEED guidelines as one of the primary factors in our decisions throughout the design process on a consistent basis. We follow the process established by the US Green Building Council, by designating certified professionals in Architecture and Engineering disciplines to lead the efforts and maintain the required records. Hamid Noughani, AIA, LEED, directs the design team in sustainable building design.

Our approach for building sustainable buildings is consistent with the views expressed in US Green Council and consists of the following attitudes towards energy preservation and environmental implications. Sustainable buildings have become a term used throughout the building industry. The term encompasses an approach to building design, responding to the environmental conditions and energy consumption requirements. These buildings, also called 'green buildings', refer to a rating system within the environmental sensitivity standards as defined by LEED. Our goal is to help create environmentally sustainable buildings as a holistic design approach.

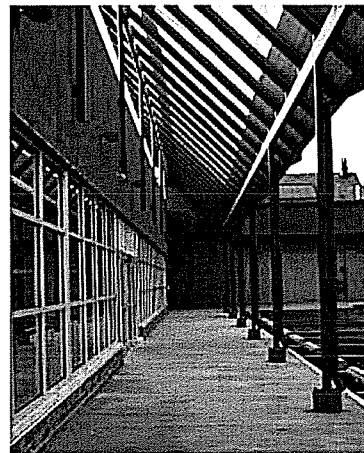
LEED standards rate a building's performance and can be approached from several design aspects. The basic standards are described in the following five points:

1. How the building is situated within the site including orientation, landscaping, transportation methods and energy uses.
2. By reducing the amount of energy consumed and exploring new ways of reducing the energy load of the building while increasing efficiency and utilizing renewable resources.
3. To protect and conserve water by reducing and controlling the amount of building water consumption and recycling the building's water when possible. Also taking into account the site run-off and the way in which it can be recycled or used to benefit other site amenities.

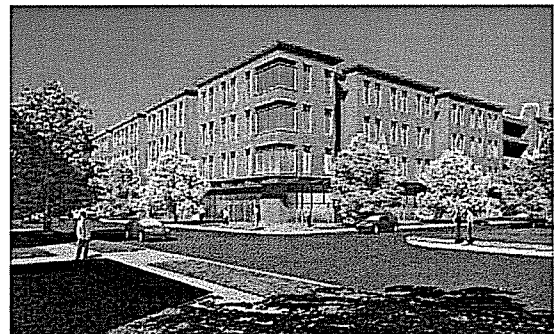
Each of the projects pictured here are part of a larger collection of buildings design by Hamid Noughani, AIA, LEED, that incorporate a significant body of sustainable design strategies.



Goodman Coutyard - Tampa, FL



Goodwill Industries - Charleston, WV



UW Physical Plant Building - Madison, WI

Sustainable Design

4. The use of more environmentally friendly materials to minimize the impact on global warming, resource depletion and human toxicity. Material selection also considers product manufacturing, packaging, transportation, installation, use and disposal.

5. The indoor environmental quality of the building significantly impacts the health, comfort and abilities of the occupants. The building must have appropriate ventilation and moisture control systems while allowing for the maximum amount of daylight in the spaces. Finally materials with a high level of VOC emissions cannot be used.

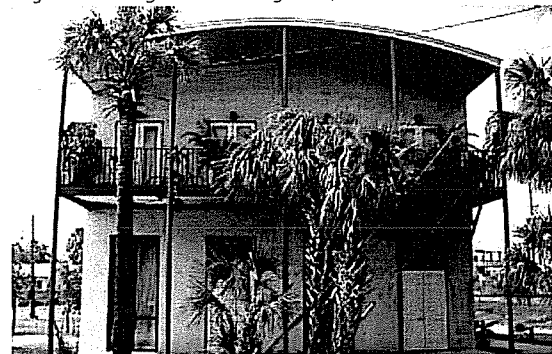
In the early stages of design it is essential to be aware of the LEED responsibilities and guidelines. As LEED certified Professionals we adhere to the standards and procedures based on nationwide criteria. Consistent updating of the material database, continuing education and stringent record keeping allows us to be a leader in designing highly technical and advanced buildings.

Critical steps to consider when designing a green building start with estimating the most cost effective way to reduce the life-cycle expenses. We are interested in promoting integrated 'whole building' design practices. By integrating natural resources, human health and community concerns into the building design and construction, we can design a cleaner, healthier environment for the occupants.

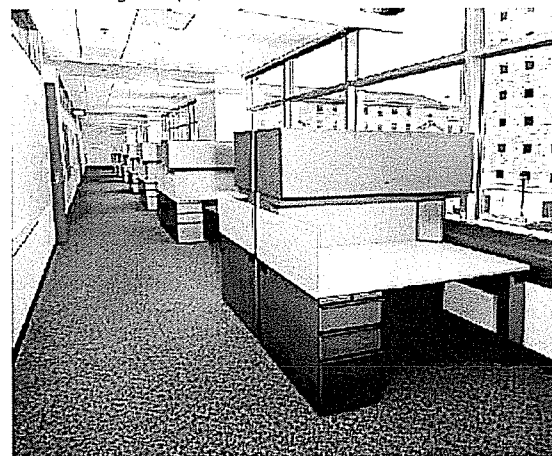
Our role as a LEED certified professionals on a project team is a service that is interwoven within all aspects of the building. The process of sustainable building design influences the design team from the initial site layout all the way through the commissioning stage. We welcome the opportunity to create environmentally responsive buildings as part of our whole-building design approach, advancing technology to build a better world.



Regional Training Institute - Kingwood, WV



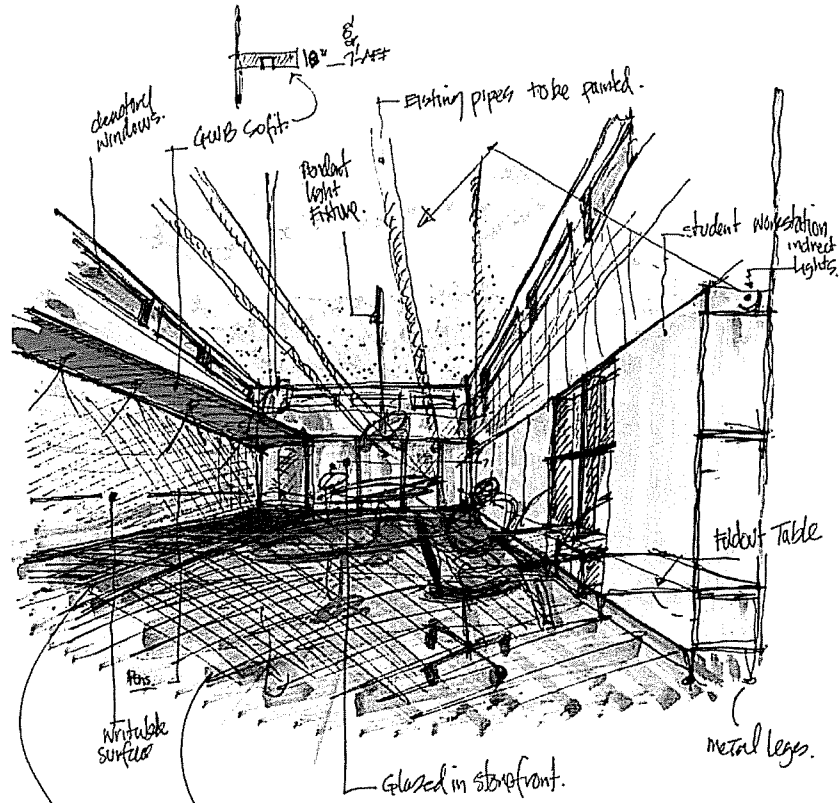
Elliot Building - Tampa, FL



UW Genetics/Biotechnology Building - Madison, WI



Section 2: Personnel Resumes



Engineering Hall
Grad student office Area
6/29/04
Noughani

Hamid Noughani, AIA
Principal in Charge

Education

University of South
Florida:
M. Arch.

Salem College:
B.S. Industrial
Engineering

Professional
Registration

Architecture: WI, FL, WV,
NCARB

LEED Accreditation

Professional Affiliations

American Institute of
Architects

US Green Building
Council (USGBC)

Before founding Assemblage Architects, Hamid enjoyed extensive tenures in architectural firms in Spain and the United States. During these tenures he was the primary designer and project manager, completing many commissions of various complexities and scales. He established Assemblage Architects, in Madison, placing an emphasis on complex technical commissions that require careful planning, long range commitment, and extensive collaboration with consultants. His skills in complex project management, team leadership along with design sensitivities to complex building system requirements and program demands provide the design teams with a clear process of articulated goals and objectives, to accomplish the commission successfully. He is regularly consulted on strategic planning of large and complex facilities by private and public institutional clients.

Selected personal Experience

UW Madison

Genetics Biotechnology Building *
BSL 3 AG laboratory and Vivarium
Study for a new Physical Plant Building
Engineering building lab renovations

State of Wisconsin

Medical Clinic-Prairie Du Chein
Stonefield Museum Renovation

National Guard Bureau

Joint Interagency Training Center-East
Regional Training Institute-Kingwood*
Armed Forces Reserve Center-WV*
Operational Maintenance-Glen Jean
Mountaineer Challenge Academy
Master Plan Study - Camp Dawson

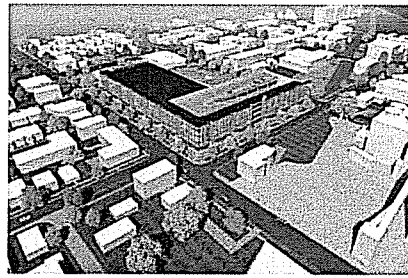
General Casualty Insurance

Print and processing Center*
Administration Building Addition*

** Personal projects during tenure with other architectural firms.*



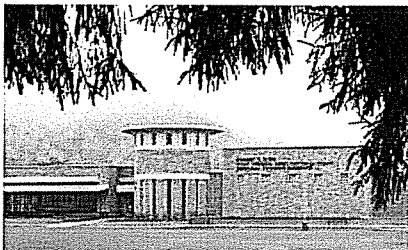
UW Genetics Biotechnology Building Madison



UW Physical Plant Study



Regional Training Institute - Kingwood, WV



WVANG Regional Training Institute

Kim Spoden, AIA
Project Manager

Education:

North Dakota State
University
B. Science
B. Arch.

Professional
Registration:

Architecture: WI
LEED Accreditation

Professional Affiliations

American Institute of
Architects

US Green Building
Council (USGBC)

After extensive tenures in design firms in Madison, Kim joined Assemblage Architects as a principal and leads the firm's production and coordination. Her experience in a broad range of projects in terms of complexity and size has provided her with insight in the importance and accuracy of documentation and the advantages of well coordinated documents.

Her primary role in coordination and documentation of the project includes developing specification and construction administration of the projects. Her extensive experience in working with governmental agencies has earned her an insight into the processes and requirements associated with the execution of the projects in these type of environments.

Selected Experience

UW Madison
Biotechnology Building Addition*
BSL 3 AG laboratory and Vivarium
Engineering building lab renovations

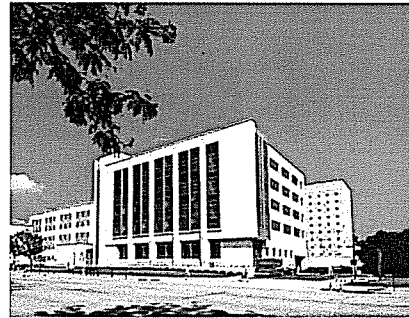
Military - Camp Dawson, WV
AFRC Addition
Mountaineer Challenge Academy
Military - Madison, WI
Facility Rehab for Military Affairs
Armory Alternations for Military Affairs

State of Wisconsin
UW Eau Claire Media Center
Medical Clinic-Prairie Du Chein
Stonefield Museum Renovation
Oregon Correctional Center Renovation

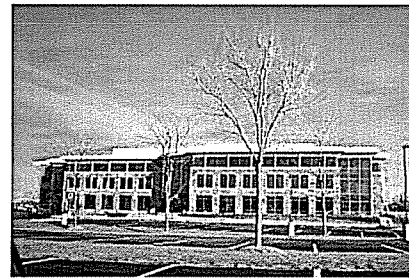
Monona Terrace Convention Center*
Supermax prison*

Education

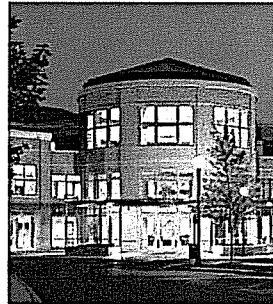
Evansville School District master plan*
Edgewood College Center of Visual Arts*
Sun Prairie Middle Schools *
Edgewood Humanities Building *



UW Genetics Biotechnology Building Madison



DeanCare, Madison



Humanities Building -Madison



Mountaineer Challenge Academy

J. Scott Henderson, AIA
Project Architect

Education

University of Illinois at
Chicago:
B. Arch.

Professional
Registration

Architecture: WI, IL, PA,
MA, NCARB

Professional
Affiliations:

American Institute of
Architects

US Green Building
Council (USGBC)

Prior to joining Assemblage architects
Scott Henderson enjoyed extensive tenures
as a principal at design firms in Chicago
Illinois and Madison Wisconsin. Scott
joined Assemblage Architects as a principal
and applies his extensive design and field
experience with educational, religious and
government facilities to the work of the firm.

Scott's primary role is as a project architect,
coordination with various disciplines, and
production detailer. His experience with
durable and sustainable buildings which
demand a high level of aesthetic value
guides his work within the project team.

Selected Experience:

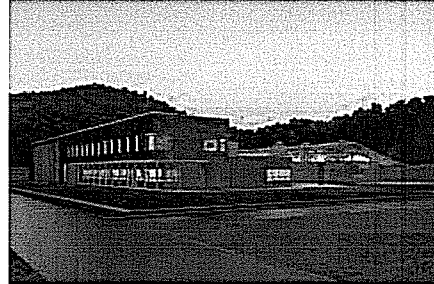
State of Wisconsin
Oak Hill Correctional Institution

National Guard Bureau
Armed Forces Reserve Center Addition-WV
Mountaineer Challenge Academy

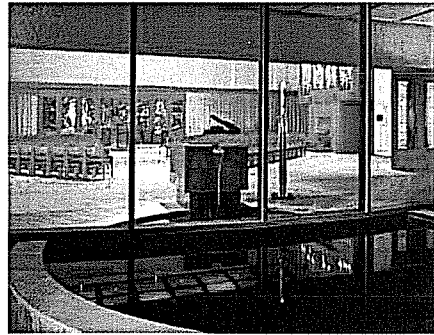
Other

Kingsley Elementary School, IL.*
Lester Elementary School, IL.*
Hillcrest Elementary School, IL.
Indian Trail Elementary School, IL.*
Kingsley Elementary School, IL.*
St. Mark's Lutheran Church, IL.*
1st United Methodist Church, WI.*
River Glen Prebyterian Church, IL.*
St. Timothy Lutheran Church, IL.*

** Personal projects during tenure with other architectural firms.*



Mountaineer Challenge Academy
Kingwood, West Virginia



Lutheran School of Theology
Chicago, Illinois

Evan Weir
Architectural Design

Education

Kansas State University
B. Arch.

Professional Affiliations:

American Institute of
Architects

UW Green Building
Council (USGBC)

Evan gained experience working on a variety of medical research, loft renovations, and state park projects while working in Kansas City, Missouri. Since graduating cum laude from Kansas State University, he had the opportunity to work on research facilities including: Pacific Northwest National Laboratories, and the US Army Institute for Chemical Defense.

As an architectural designer, Evan has been involved in project phases ranging from programming and schematic design to construction administration. He also has extensive experience in construction documentation. Evan's professional experience has given him the chance to work closely with government agencies on technically complex research facility projects.

Evan has also worked on several LEED projects, and is currently in the process of becoming a LEED accredited professional.

Selected Experience:

University of Texas, Houston
Institute of Molecular Medicine*

State of Missouri
Rock Bridge State Park Education Center*

US Department of Energy and Battelle
Pacific Northwest National Laboratories*

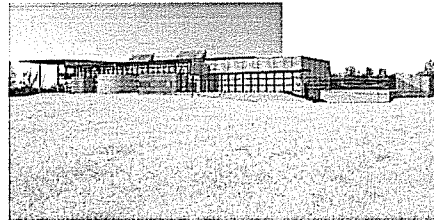
Department of Defense
United States Army Institute for Chemical
Defense*

State of Wisconsin
Rehab Shower Facilities for Military Affairs
Armory Alterations for Military Affairs

*Projects during tenure with other architectural firms.



Institute of Molecular Medicine
Houston, Texas



Rock Bridge State Park Education Center
Columbia, Missouri



Pacific Northwest National Laboratories
Richland, Washington

Silvie Marlette, Associate AIA
Construction Administration

Education

University of Wisconsin-
Milwaukee
B. Science in
Architecture

Professional Affiliations

American Institute of
Architects

US Green Building
Council

Silvie joined Assemblage Architects during her junior year of college as an intern. After graduating magna cum laude from the University of Wisconsin-Milwaukee, she returned to Assemblage Architects as a key member of the design team contributing to many complex projects. Her experience in National Guard projects coupled with her interest in Construction Administration has enabled her to gain a broad range of knowledge in the field. She is leading the effort to open a branch office for Assemblage Architects in Morgantown, West Virginia.

Silvie has had the opportunity to contribute ideas in the preliminary design process on several projects. Her skill set ranges from: BIM modelling, construction documentation, project coordination, and construction administration practices.

Selected Experience:

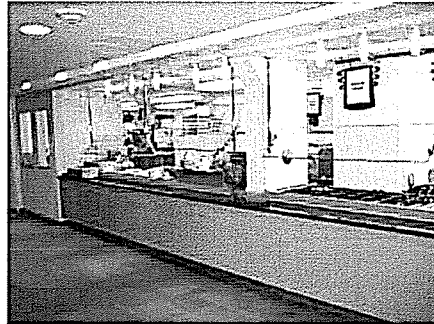
UW Madison

- Several small interior remodels throughout the UW-Madison campus while working for UW-Madison*
- The Highlander Private Residence Hall
- The Langdon Private Residence Hall
- The Towers Private Residence Hall
- Study for a new Physical Plant Building -Lot 51

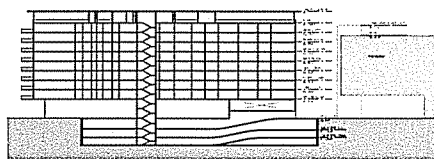
National Guard Bureau

- Camp Dawson Master Plan
- Joint Interagency Training Center
-Preliminary Design
- Armed Forces Reserve Center Addition-WV
- Mountaineer Challenge Academy

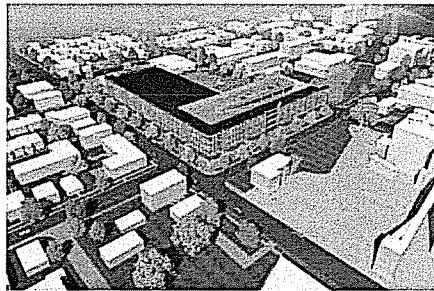
* Projects during tenure with other architectural firms.



Highlander Kitchen, Madison, Wisconsin



Proposed Regent Condominiums section drawing
Madison, Wisconsin



UW Physical Plant Study - Lot 51
Madison, Wisconsin



Camp Dawson Master Plan, rendering of completed
master plan
Kingwood, West Virginia

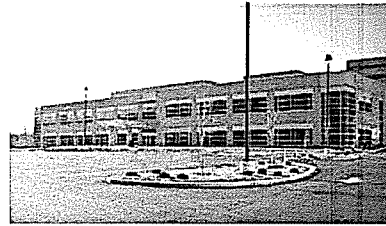
David Hasty, Jr., PE
Project Manager

Education
University of Missouri
Master of Civil Engineering
University of Missouri
Bachelor of Civil Engineering
Professional Registration
Engineering: IL, IN, KS, MN,
MO, NC, TX
Professional
Affiliations:
American Society of Civil
Engineers
National Society of
Professional Engineers
Missouri Society of
Professional Engineers
Engineers Club of St. Louis
Missouri Floodplain & Storm
Water Managers Association

Mr. Hasty has 21 years of professional civil engineering experience in public works and municipal projects, as well as experience in all phases of commercial, institutional, and industrial land development. Responsibilities have included site and civil engineering, project management, and interdisciplinary coordination. Mr. Hasty's municipal experience includes public roadways, sanitary relief sewers, storm water collection systems, creek bank stabilization, floodplain / floodway mapping, construction cost estimates, and specifications. His land development experience includes land planning, site layout, site grading, public and private utility distribution systems, sanitary sewer systems, storm water collection systems, storm water detention facilities, floodplain hydrology / hydraulics and floodplain recovery studies, land disturbance permits, CLOMR's / LOMR's, 404 permits, 401 permits, construction cost estimates and specifications.

Mr. Hasty's role in this project will include site and civil engineering, layout, grading, parking, and utilities.

- **Sunset Point, St. Louis, MO** - Project manager of a 60-acre office / retail development. Improvements include 176,000 square feet of office space and 620,000 square feet of retail space. Services provided include zoning, surveying, site layout, site grading and drainage, site utilities, street improvements, a slip ramp connected to I-44, and signalized entrances through schematic design.
- **Big Bend Crossing, St. Louis, MO** - Project manager of a 17.5-acre retail development. Improvements included a 130,500-square-foot Sam's Club facility with 600 parking spaces and 3 out-lots totaling 4 acres. Services provided include zoning, surveying, stormwater drainage and detention design, and permitting.
- **Arnold Recreation Center, Arnold, MO** - Project manager for a 6-acre community center development. Improvements included a 56,810-square-foot recreation building, outdoor pool, and a 318-space parking lot.
- **Des Peres Hospital - Medical Arts Pavilion, St. Louis, MO** - Project manager of a 14-acre medical office building development. Improvements included two 50,000-square-foot buildings with 590-space parking lots.
- **Special Treatment Unit, Fulton, MO** - Project manager for a 10-acre youth rehabilitation facility (housing units, classrooms, kitchen, gymnasium, ball field, and outdoor recreation area), including 700 feet of access roadway; parking and a loading area; a 3,300-foot sanitary sewer extension; utilities; grading for maximum security; and all siting of buildings.
- **Webster University Utility Extension, St. Louis, MO** - Project manager for survey and design of 10,700 lineal feet of water main, chilled water, natural gas, and electric conduit through an existing college campus. The design included route selection and hydraulic analysis.



Des Peres Hospital
Medical Arts Pavilion
St. Louis, Missouri

- **Lake Chesterfield Erosion Analysis, St. Louis, MO** - Project manager for survey and analysis of rainfall erosion, sediment runoff, and sediment deposition generated by a 211-acre residential development. The project included estimating a volume of sediment runoff for an 8.5-year period.
- **Two Mile Creek Floodplain Study, St. Louis County, MO** - Project engineer for analysis and hydraulic design of 700 lineal feet of concrete box culvert. Analysis included determining the 100-year flooding elevations and flooding limits.
- **Reis Road Floodplain Study, Ballwin, MO** - Project manager for analysis and hydraulic design of a double 7'-0" h x 8'-0" w, and a single 6'-6" h x 10'-0" w box culvert, channel realignment, and channel improvements on tributaries to Fishpot Creek. Analysis included determination of the 100-year flooding elevations and flooding limits along 1,180 lineal feet of creek.

David G. Sawitzki, PE
Geotechnical Branch Manager

Education

University of Waterloo:
Master of Science
Civil Engineering

Princeton University
Bachelor of Science
Civil Engineering

Professional Registration

Engineering: KY, FL

Professional Affiliations:

American Society
of Civil Engineers

Kentucky Society
of Professional Engineers

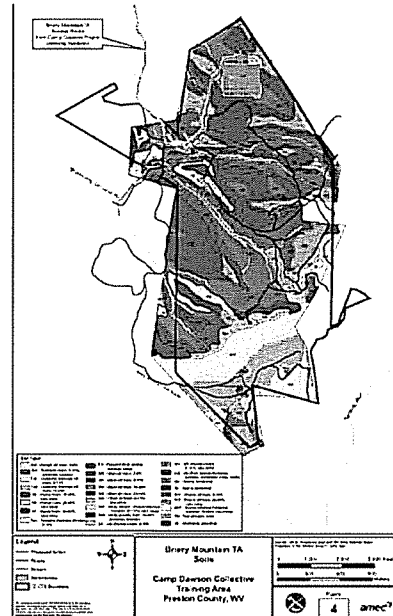
National Society
of Professional Engineers

Society of American Military
Engineers

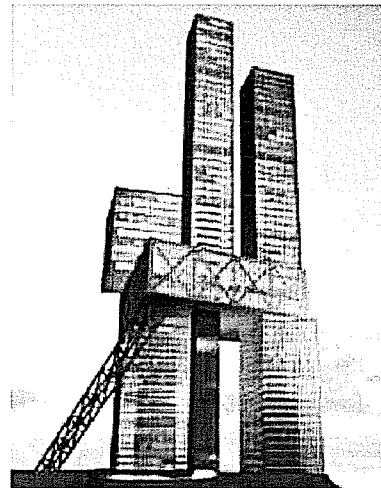
American Public
Works Association

Mr. Sawitzki has 17 years of multi-disciplinary engineering experience. He has worked on numerous projects ranging from foundation analyses, retaining wall design, and slope stability analyses. He has developed subsurface exploration plans to define subsurface conditions and laboratory testing programs to evaluate soil properties for various types of projects. Mr. Sawitzki has performed slope stability analyses using multiple slope stability programs including UTEXAS2 and UTEXAS3, seepage analyses using two-dimensional finite difference and finite element programs including SEEP2D, and also has experience conducting settlement, bearing capacity and other types of geotechnical analyses related to the use of geosynthetic materials.

- **WVARNG MRF Range; Camp Dawson, WV -**
Scope: A new MRF range on rough, mountainous terrain. Directed layout support, geotechnical borings, laboratory testing program, and geotechnical engineering recommendations. Ongoing coordination with civil and structural designers has been necessary to optimize rock and soil bearing foundations, which will result in a cost effective solution. Project is ahead of schedule and within budget. Role: Mr. Sawitzki is currently serving as the geotechnical project manager, and has played a key role in integrating the various disciplines on the project.
- **Geotechnical IDIQ USACE Louisville District; Louisville, KY -** Scope: Lead task order manager and point of contact for AMEC with USACE Louisville District to provided AE geotechnical services. This 3-year, \$3 million multi-task contract supports the Corps' geotechnical mission relative to a broad range of geotechnical needs. To date, the Corps has identified 8 individual task orders for FY 2008 including major drilling programs at 4 Corps dams totaling several thousand feet of rock and soil borings, laboratory testing, and geophysical investigation. Mr. Sawitzki has successfully managed multiple concurrent task orders.
- **Ft. Knox Lodge, Ft. Knox Military Reservation, KY -** Scope: A five-story hotel complex. Provided geotechnical and construction observation and materials testing services as a design-build team member. Provided full geotechnical investigation of borings and laboratory testing supporting geotechnical recommendations. Directed oversight, consultation, and recommendations throughout construction to support DB team. Role: Mr. Sawitzki was project manager and geotechnical engineer-of-record.



Camp Dawson
Modified Record Fire Range
Kingwood, West Virginia



Museum Plaza Complex
Louisville, Kentucky

- **USACE Louisville McAlpine Lock Replacement; Louisville, KY** - Scope: Onsite testing laboratory to complete QA testing for the Corps of Engineers. Complete testing and a fulltime staff of up to seven personnel around the clock provided the Corps with the needed QA testing services for more than five years. Received predominantly above average and outstanding CCASS ratings. Role: Mr. Sawitzki was the project manager and effectively managed a large team of testers over an extended period of time.
- **Marmet Lock Replacement, Belle, WV** – Mr. Sawitzki was AMEC's project manager to support the QA Testing requirements. In 2004, AMEC was initially selected by the USACE Huntington District to provide Quality Assurance (QA) Services for the Marmet Lock Replacement project through a small business solicitation as a subcontractor to Augusta Engineering, Charleston, WV. Subsequent delivery orders were negotiated with AMEC using the capacity from an established IDIQ contract in place with another Corps district. The Marmet Lock and Dam is located on the Kanawha River about 20 miles upstream from Charleston, WV, and the replacement project includes excavation of millions of cubic yards of soil and rock to allow for construction of a new 110' x 800' lock chamber. Total construction costs are on the order of \$275 million. The QA testing contract is ongoing with an estimated total value of \$1 million dollars over a 3-year period. AMEC provides 2 fulltime technicians to monitor concrete batch plant operations, lime-stabilized soil compaction, laboratory aggregate, soils and concrete testing, and construction observation and monitoring.
- **Proposed Rotary Wing Aviation Facility, Preliminary Siting Study, MNARNG** - Scope of Work: Three potential locations for a new facility to house and service aircraft for the Minnesota Army Reserve. Preliminary site preparation and foundation recommendations were prepared to evaluate the relative geotechnical costs of building the hangar at three separate airports; Holman Field (St. Paul, MN); St. Cloud, MN airport; and Mankato, MN airport. The geotechnical and laboratory testing services included borings up to 60 feet deep to evaluate soft sediments that could cause foundation problems for the 220,000-square-foot hangar that was designed to have maximum columns loads of 500 kips. Completed on time and within budget. Role: Mr. Sawitzki was project manager responsible for preliminary geotechnical site assessments.
- **Museum Plaza Complex; Louisville, Kentucky** - Principal-in-charge for a geotechnical study to provide engineering recommendations for deep foundations to support a 62-story high rise development. The development includes a 6-level, post tensioned concrete parking garage with a 3-legged superstructure that ultimately rises 62-stories. A series of large diameter (6 to 10 feet) drilled shafts were designed to convey the building loads to underlying bedrock at depths of about 70 feet below the lowest structural levels. In addition to the drilled shafts, the foundation system included an auger-cast-in-place pile supported mat foundation to support portions of the parking garage and exterior building column loads. Two-dimensional finite element seepage analyses were performed to model the impacts of the new development on the existing floodwall and seepage cutoff details.
- **Muhammad Ali Center Parking Garage, PARC, Louisville, KY** - Project manager for a geotechnical study to provide engineering recommendations for deep foundations to support a three-story post tensioned concrete parking garage for the Parking Authority of River City (PARC), and subsequently a four-story museum and plaza area. Foundation recommendations included installation of approximately five hundred 150-ton capacity auger cast-in-place piles. The project included design considerations for removal of over 20 feet of urban renewal fill and native soils to allow for below grade construction. Located immediately adjacent to the "wet" side of the Louisville Flood Wall, project directives included coordination of excavation shoring design components with the US Army Corps of Engineers. Mr. Sawitzki also managed QA / QC services for site grading, concrete components, foundation construction, and pavement installation.

David K. Kuehnen, PE
Civil Engineer

Education
University of Memphis
Bachelor of Civil Engineering

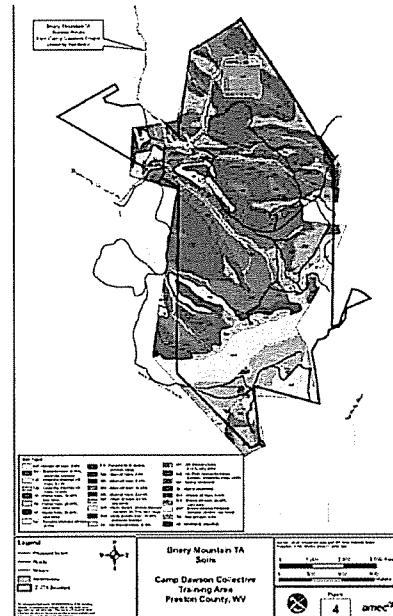
Professional Registration
Engineering: TN

Professional Affiliations:
American Society of Civil Engineers

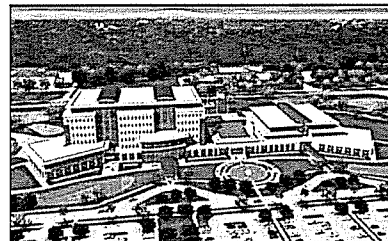
Mr. Kuehnen has 13 years of experience in civil and environmental engineering, completing projects for public and private clients. His work for the Federal government includes completing projects for the Army Corps of Engineers and other agencies involving recreational and transportation facilities. Mr. Kuehnen has also completed numerous health care, industrial, commercial, and residential site development plans for the private and public sectors. His areas of expertise are in civil site design and site master planning. Additionally, he has 14 years of experience in Computer Aided Design and Drafting (CADD) as well as 13 years of experience with Inroads and Siteworks land development software.

Mr. Kuehnen will provide site / civil engineering for the project.

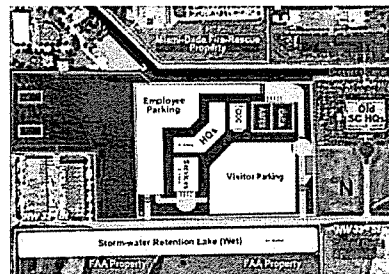
- **West Virginia Army National Guard (WVARG)** – Armed Forces Readiness Center, Ripley, WV – Civil engineer responsible for the planning charrette and initial site layout for a new Armed Forces Reserve Center (AFRC). The project included an approximately 50,000-square-foot, single-story building to house a drill hall, military postal training facility, maintenance shop, motor pool for military vehicles, and parking for civilian vehicles. The 10,000-square-foot maintenance shop and motor pool can be either attached or separate from the AFRC.
- **WVARG – Modified Record Firing Range, Camp Dawson, WV** – Civil engineer responsible for design and plan production. The range is a 16-lane facility located at the Briery Mountain Training Area. Due to the rugged terrain, a detailed line of sight analysis was completed to ensure each target could be seen from each firing point and to minimize the earthwork to construct the range. Civil design saved the client millions of dollars in site work.
- **AMC/USASAC Headquarters RFP; Redstone Arsenal, AL** - Civil engineer for developing an RFP for the design-build acquisition of the Army Materiel Command Headquarters and US Army Security Assistance Command Headquarters. Major features of each facility include administrative space, conference rooms, emergency operations centers, classrooms, computer rooms, and Sensitive Compartmentalized Information Facility (SCIF) areas. A cafeteria, auditorium, and fitness center will be shared by the facilities.
- **Small Arms Firing Range Design/Build Project, Georgia Air National Guard/165th Air Wing/Combat Readiness Training Center (AW/CRTC)** - Civil engineer responsible for designing range grading and drainage plans as well as finished floor elevations for the firing surface and bullet containment system.
- **Southern Command (SOUTHCOM) Headquarters RFP; Miami-Doral, FL** - Civil engineer for developing an RFP for the design-build acquisition of the SOUTHCOM Headquarters



Camp Dawson
Modified Record Fire Range
Kingwood, West Virginia



AMC/USASAC Headquarters
Redstone Arsenal, Alabama



Southern Command Headquarters
Miami, Florida

located at Miami-Doral, FL supporting consolidation of all SOUTHCOM, coalition, and interagency functional elements. Major features of each facility include administrative and operational space, instructional spaces, conference rooms, emergency operations centers, classrooms, computer rooms, and SCIF areas.

- **Heritage Middle School, Williamson County, TN** - Civil engineer for design and plan production of the layout, grading, utility, and roadway design for a new middle school.
- **Greek Row, MTSU, Murfreesboro, TN** - Civil engineer for design and plan production of the layout, grading, utility, and roadway design for eight new fraternity houses on the campus of Middle Tennessee State University.
- **Martin Methodist University, Student Housing, Pulaski, TN** - Civil engineer for design and plan production of the layout, grading, utility, and roadway design for two new student dormitories on the campus of Martin Methodist University.
- **Father Ryan High School, Oak Hill, TN** - Civil engineer for design and plan production of the layout, grading, utility, and roadway design for a new library and theatre building on an existing private school campus.

Martin J. Marchaterre, JD
Senior Environmental Planner

Education

Marshall-Wythe School
of Law, College of William
and Mary
Juris Doctorate

Williams College
Bachelor of History
and Political Science

Professional Registration

Virginia Bar Association -
Environmental Law Section,
Military Law Section

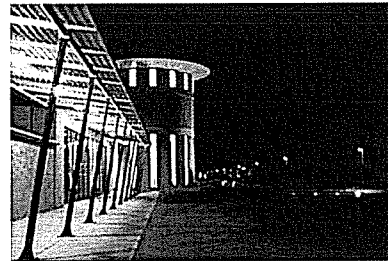
District of Columbia Bar
Association - Environmental,
Energy and Natural
Resources Section

Mr. Marchaterre has over 19 years of environmental, regulatory, policy, and permitting experience working as a consultant to federal agencies, states, local governments, and private industry. His experience applicable to this project includes managing projects concerning permitting, environmental assessments, storm water management, and land use. He has managed consulting service projects for the USEPA, USACE, ARNG, Navy, municipalities, and private corporations and utilities.

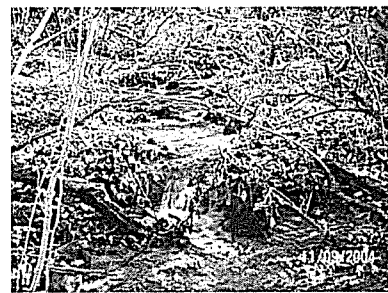
Mr. Marchaterre has managed projects concerning air quality analyses, traffic noise studies, noise barrier analyses, biological assessments, wetlands identification, delineation, and monitoring, historic and archaeological surveys, stream mitigation, permitting, and NEPA documentation.

He will address stormwater management permit applications and any other environmental permitting for this project.

- **Water Resources Management Plan, Camp Dawson, WV** – Managed preparation of a water resources management plan for the West Virginia Army National Guard for Camp Dawson (approximately 3,797 acres). Assessed current availability of data regarding Camp Dawson water resources including four streams and numerous tributaries. Conducted site visits and recommended management goals for surface water, wetlands, floodplains, and groundwater resources.
- **Conceptual Master Plan, Camp Dawson, WV** - Managed preparation of a conceptual master plan for the Camp Dawson Cantonment Area and the Volkstone Training Area. The conceptual master plan assisted in setting strategic goals for the mission and vision of the base. The conceptual master plan will be the starting point for a more detailed Real Property Master Plan to be prepared in accordance with applicable National Guard regulations.
- **Structural Assessment and Concept Plan for Volkstone Training Area, Camp Dawson, WV** – Managed a structural assessment of existing facilities at the Volkstone Industrial Complex. The assessment determined the structural integrity of existing buildings, evaluated potential salvage value of scrap steel materials, and investigated whether asbestos containing materials can be found in any of the structures. AMEC saved the West Virginia Army National Guard unnecessary expenses by georeferencing a previous topographic survey and avoiding a new site survey. AMEC conducted a charrette to consider potential ideas for redeveloping the Volkstone Training Area. Prepared a concept plan including 3-dimensional visual materials.



Camp Dawson
Regional Training Institute
Kingwood, West Virginia



Streams Assessed for Camp Dawson
Water Resources Management Plan
Kingwood, West Virginia

- **Design, Mitigation, and Geotechnical Services for Modified Record Firing Range, Camp Dawson, WV** – Managed some of the design components of the modified record firing range. Identified erosion and sedimentation controls and coordinated with state and Federal agencies on mitigation and permitting issues. Developed alternatives to minimize impacts to stream and wetlands. Helped optimize target elevations to minimize required earthwork.
- **Environmental Assessment for Indiana Army National Guard, Camp Atterbury, IN**– Preparing an EA for a multi-purpose machine gun range. Analyzing air quality; noise; geology, topography and soils; ground and surface water resources; biological resources, including vegetation, wildlife, wildlife habitat, and threatened and endangered species, and wetlands; cultural resources; socioeconomic environment and human health and safety, environmental justice; infrastructure; and hazardous and toxic materials and wastes. Due to potential mitigation costs for wetlands and Federally-endangered Indiana bat impacts, recommended shifting the MPMG range location.

BRADLEY A. CROW, PE

Mechanical Engineer

EDUCATION:

West Virginia Institute of Technology
B.S. Mechanical Engineering

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering in:
West Virginia

PROFESSIONAL EXPERIENCE:

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

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

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

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

SUMMARY OF EXPERIENCE:

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

SELECTED PROFESSIONAL ACHIEVEMENTS:

Mechanical Engineer

Southwest Cancer Institute Treatment Center (50,000 SF)

Mechanical Engineer

Nemacolin Woodlands Resort - Outdoor World

Mechanical Engineer

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

Mechanical Engineer

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

Mechanical Engineer

Slippery Rock University (4-320 Bed Dorms)

Mechanical Engineer

84 Lumber Corporate Offices (23,000 SF)

Mechanical Engineer

WVU Fire Academy / Jackson's Mill

Mechanical Engineer

Wood County Schools (\$50 million renovations)

Mechanical Engineer

WVU Colson Hall Renovations

TIM E. MIZER, PE, RA

Director of Engineering Services

Architectural Engineer / Architect

EDUCATION:

Kansas State University
B.S. Architectural Engineering - 1983

University of Cincinnati
Architecture

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering in:
West Virginia
Ohio

Registered Architect in:
Ohio

PROFESSIONAL EXPERIENCE:

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

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

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

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

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

SUMMARY OF EXPERIENCE:

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

SELECTED PROFESSIONAL ACHIEVEMENTS:

Design Engineer

Barnesville (OH) Schools - new buildings

Design Engineer

Union Local Schools

Design Architect

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

Design Architect

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

Design Engineer

West Virginia State Police Detachments

Project Architect / Engineer

Brooke County Animal Shelter building renovation

Site Engineer

Hancock Middle School-new building site

Site Engineer

WVU Fire Academy-new building site

Project Architect / Engineer

Hope VI Phase II-new building development

Project Architect / Engineer

Cadiz Presbyterian Church Maintenance master plan

DARREN S. DUSKEY, PE

Electrical Engineer

EDUCATION:

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

Marshall University
Graduate courses in Engineering

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Professional Engineer in:
West Virginia
Ohio

PROFESSIONAL EXPERIENCE:

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.

SELECTED PROFESSIONAL ACHIEVEMENTS:

Project Electrical Engineer

Wayne Street Health Care center in Marietta, Ohio

Project Electrical Engineer

Solvay Polymers in Marietta, Ohio

Consulting Engineer

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

Design Electrical Engineer

Magnetic Specialty, Inc. in Marietta, Ohio

Design Electrical Engineer

Swisher International in Wheeling, WV

Design Electrical Engineer

School project in Chapmanville, WV

Design Electrical Engineer

West Virginia State Police Detachment project in Berkeley County, WV

Design Electrical Engineer

Distribution warehouse for Cabela's in Wheeling WV

Resume



Douglas R. Richardson, P.E.

President/Structural Engineer

Education

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

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

GPA 4.0/4.0.

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

Bachelors of Science in Civil Engineering.

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

Professional Registration

Professional Engineer - WV #11699, MS #12349

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

Professional Affiliations

American Society of Civil Engineers

American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

Timber Framers Guild



James C. Akers

Senior Cost Estimator

As Director of Regional Operations for CCS' Waldorf, Maryland office, Mr. Akers oversees all business operations of the Eastern Region. His responsibilities include working closely with CCS' production team to outline work plans, assign duties, and coordinate all details of project assignments. Mr. Akers has experience in budget estimating and cost control during the design phase of a project.

Mr. Akers generates estimating deliverables, has the ability to develop accurate conceptual cost models, understands construction methods, productivity, equipment, systems and materials, keeps track of current material and labor pricing including escalation, maintains relationships with subcontractors and material vendors, makes meaningful value engineering contributions, has the ability to reconcile estimates with other consultants and design team, generates sound documentation for scope of work assumed in estimates, maintains a well organized approach and disciplined work ethic.

Mr. Akers has an extensive background in cost engineering and project management and has handled projects of all types and sizes from inception through completion. He has experience in the areas of owner representation, dispute resolution, risk management, constructability reviews, CPM scheduling, value engineering, construction inspection, project and construction management, cost estimation, change order analysis, claims evaluation, and expert witness services. These services are provided to the private sector and government agencies at the federal, state and local levels both nationally and internationally.

Mr. Akers is an active member of the American Society of Professional Estimators (ASPE) and the Association for the Advancement of Cost Engineering (AACE).

Experience

Firm Experience: 9 years
Industry Experience: 24 years

Education

B.S. / Business Administration (Emphasis in Civil Engineering)
University of Maryland, College Park

Project Experience

Army National Guard - Joint Interagency Training Center (JITC-East) - Camp Dawson, WV

Homeland Security Center of Excellence: 610,000 SF new joint training center that will provide the needed education and training to National Guard personnel and other intra- and inter-agency partners in Homeland Security and Homeland Defense including the Army Reserves, National Guard, Department of Energy and Armed Forces Readiness Center.

Maryland National Guard – Value Engineering Study

Reistertown, MD

Value Engineering study for new 70,994 SF Armory State Command and Control Center.

Ohio Air National Guard - Office Buildings

Toledo, OH

New construction and renovation of two one-story office buildings and one aircraft hanger totaling 89,560 SF.

Charleston Job Corps Center - Charleston, WV

One or two-story new dormitory and school building: 191,209 SF correctional facility consisting of 11 buildings including dormitory, kitchen areas, school buildings and administrative space.

Wheeling Federal Building and U.S. Courthouse Annex - Wheeling, WV

106,438 SF (9,892 SM) new 4-story Annex that will provide additional space for the growing family of courts. The facility will remain occupied and operational throughout construction and is listed in the National Register of Historic Places as part of the Downtown Wheeling Historic District.

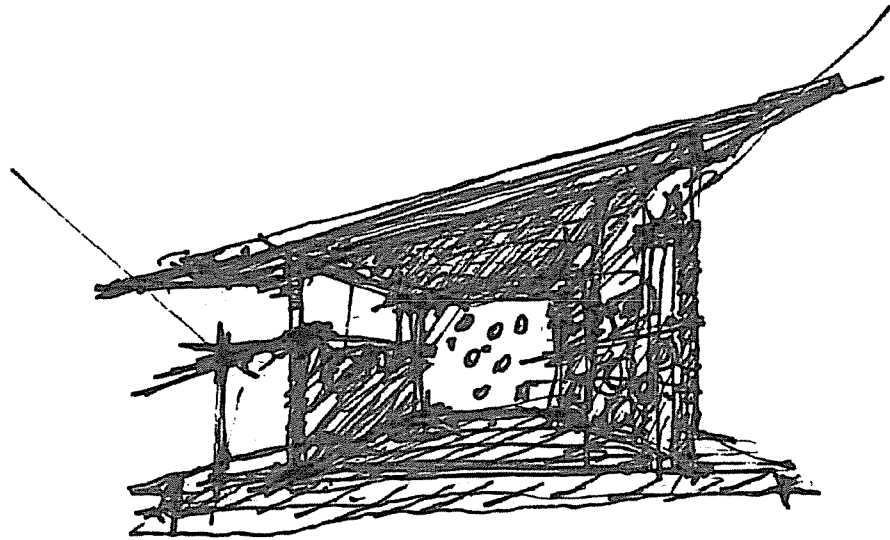
Dover Air Force Base - Army Visitor's Quarters

Dover, DE

6,500 SM (69,000 SF) new three-story building with 112 units. Project includes amenities, new mechanical, electrical and plumbing and the demolition of the existing building. Estimates performed in MCACES-GOLD (Costlink) Estimating Software.



Section 4: Portfolios



Master Plan for Camp Dawson

Client: West Virginia Army National Guard
Contact: Col. Melvin Burch
304-791-4387

The Conceptual Master Plan (CMP) for Camp Dawson in essence sets the stage for future development. CMP allows for the Camp to continue to grow in an organized manner reflecting its comprehensive mission.

CMP is developed to serve as the starting point for a detailed Real Property Master Plan (RPMP) to be prepared in accordance with applicable National Guard Regulations. CMP is a tool that will assist in setting strategic goals for the mission and vision of the base and it offers a conceptual development framework for the generation of ideas and exploration of possibilities.

CMP recognizes Camp Dawson's attributes including its regional and local geographical situation, community support, existing infrastructure, and name recognition; and proposes strategies to enhance the functional capacity of the Camp and its surrounding facilities, while maintaining its mission focus by providing a diverse collection of training settings and opportunities to a broad range of agencies.

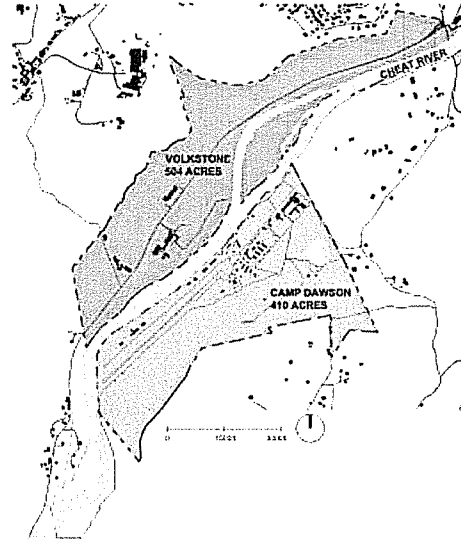
The collection of strategic actions proposed in CMP are designed to guide the Camp's conceptual development over the next 30 years. The Camp's current capacity can provide training and accommodation to 1100 people in various programs including the Challenge Academy. CMP plans to increase the capacity by 500 beds including 220 beds as part of the Regional Training Institute (RTI) expansion and an additional 280 beds in various barracks type configurations for a total future Camp capacity of 1600 people.

CMP recommends that the physical development of the Camp aim at creating a compact pedestrian core with ample outdoor gathering areas and recreational amenities to encourage interpersonal communication as a strategy to foster learning. Certain portions of the Volkstone site will become easily accessible through a proposed pedestrian bridge across the Cheat River.

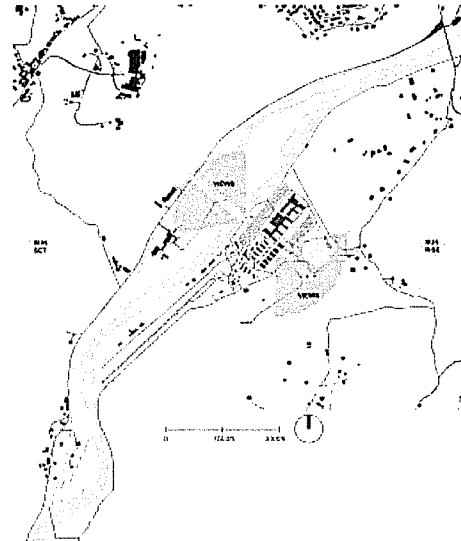
CMP recognizes the remote location of the Camp and the limitation of the Camp's runway and proposes the development of the Armed Force Reserve Center (AFRC) at the Morgantown airport as the primary air transportation link to the Camp and construction of a helicopter hanger facility to increase the air transportation access to the Camp. CMP responds to the Camp's flooding possibilities by recognizing the options that are developed by the US Army Corps of Engineers and recommends additional land acquisition and construction of new facilities above the recommended flood plane.

Completed:
Fee:
Personnel:

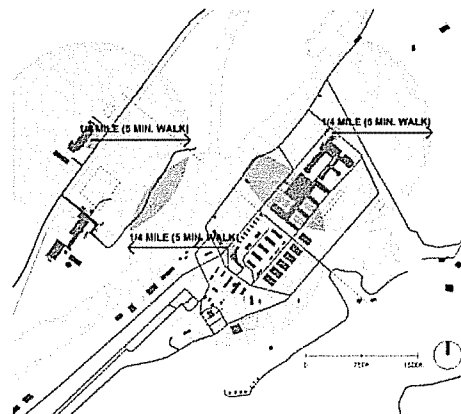
2006
Withheld at this time
Hamid Noughani
Kim Spoden
Silvie Marlette



Overall site Plan - Place Names



Responsiveness to the Environment



Pedestrian Pathways

Armed Forces Reserve Center

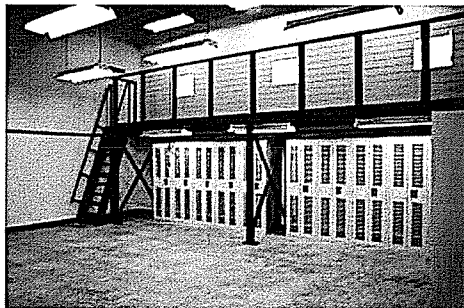
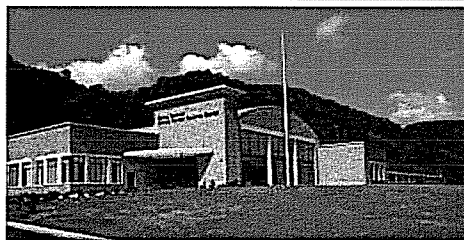
Camp Dawson, Kingwood, WV

The building houses five National Guard and Army Reserve units and their support personnel. Its mission is twofold: first to maintain readiness for its attached units and second to serve as a resource to its surrounding community. The primary readiness mission for the center's attached units is accomplished by providing designated spaces for each unit as well as general education spaces and gathering spaces that can be shared among the units. The building is also meant to serve the community. It provides a gathering space for social functions, shelter in times of national disaster, and educational resources including long distance learning network capabilities.

Design approach: The site is a long and narrow strip outside of the proper base grounds and the security of the building and its vehicular storage area is a significant part of its siting and its linear plan. The design is a clear reflection of the program requirements and separates the public functions of the building from the secure functions by developing compartments within the building. The linear arrangement of the building allows for adjacent supply and administration space for each military unit. Each unit has direct access to loading docks for supply rooms and daylighting for the administration spaces. Significant architectural elements internally and externally are introduced to improve the way-finding capabilities for the facility. A number of site strategies are also employed to accommodate force entry protection of the structure while maintaining the building civil presence.

During tenure at ZMM Architects

| | |
|--------------------|-----------|
| Completed: | 2000 |
| Area: | 55,623 SF |
| Construction Cost: | \$12M |



Armed Forces Reserve Center - Addition

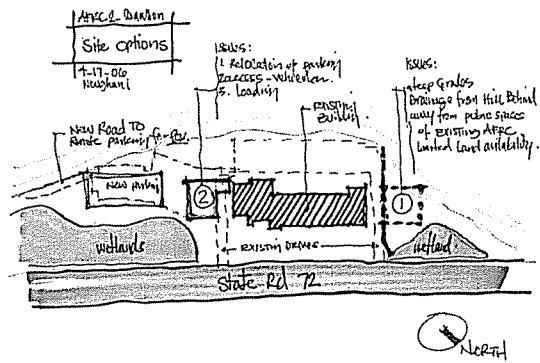
Camp Dawson, Kingwood, WV

The existing building is 54,000 GSF and houses five National Guard and Army Reserve units and their support personnel. The addition will be 17,000 GSF to accommodate an additional two units.

Design approach: The overall design focus was to be aware of the contextual surroundings. The final design elegantly blends the exterior of the new building with that of the existing building. Major site configurations were considered and included including a new roadway to allow more secure access to the Armed Forces Reserve Center (AFRC)

During tenure at ZMM Architects
Expected Completion:
Area:
Construction Cost:
Fee:
Personnel:

2009
17,000 SF
\$7.5M
withheld at this time
Hamid Noughani
Kim Spoden
Sylvie Marlette



Mountaineer Challenge Academy Camp Dawson, Kingwood, WV

The building program includes staff offices, counselors offices, support staff areas and a medical assistance space to accommodate the needs of the student residents. The residents require classrooms, an exercise area and a full service kitchen with dining facility; these spaces will house 160 young adults living at Camp Dawson as part of the Challenge Academy.

The gymnasium will accommodate physical activity, weight training and serves as the central hub of the complex. Drill exercises and formations as well as graduation ceremonies will be held here.

The Camp Dawson master plan includes a future dormitory adjacent to this building linking the dormitory to the common dining room area. Anticipating this link, the common areas are scaled to respond to the residential aspect of the program.

The building is designed to achieve a Silver LEED designation once completed.

| | |
|-------------------|--|
| Schematic Design: | 2005 |
| Area: | 28,000 SF |
| Construction Cost | \$ 5 M |
| Personnel: | Hamid Noughani Kim Spoden Scott Henderson Silvie Marlette |

The mission of the Mountaineer Challenge Academy is to train and mentor selected at-risk youth to become contributing members of society using the 8 Core Components in a quasi-military environment during a 22-week residential and one year follow-up program.
- National Guard Youth Challenge

Eight Core Components:

Academic Excellence

Life Coping Skills

Job Skills

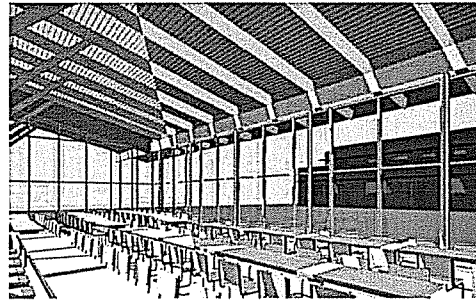
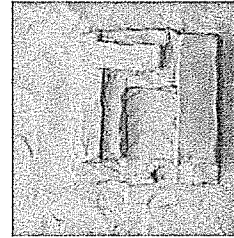
Health and Hygiene

Responsible Citizenship

Service to the Community

Leadership/Followership

Physical Fitness



Robert C. Byrd
Regional Training Institute
West Virginia Army National Guard
Camp Dawson, Kingwood, WV

Program: The building is designed to provide the setting for a variety of training classes, meetings, and conferences serving both military and civilian populations from the regional areas throughout the country.

In support of its educational mission, the building provides a host of facilities including private dormitory rooms, dining facilities, a medical clinic, and an extensive fitness center including an Olympic size swimming pool.

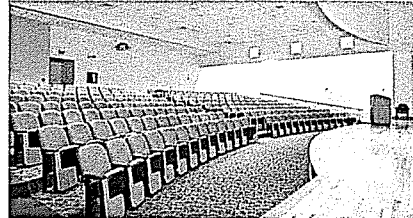
Design approach: The architectural precedent for a building type that accommodates adult living, learning, and congregational activities is limited in terms of historical context. The most successful types date back to the Romanesque architectural Periods of Europe. This building's architectural design roots may be found in the Romanesque monestaries in terms of plan layout and design details. The building is designed based on the three activities listed above. These designate three volumes which are grouped to form a courtyard. The courtyard weaves an entire military base campus of otherwise isolated buildings together, and creates a sense of place at the heart of the campus.

The internal organization of the building is a direct reflection of the building's program analysis. For instance, the primary spine of the building reflects the routine that the attendees will follow to engage in the programs that are offered. This routine consists of arrivals, registration, advisement, and receiving educational supplies. The arrangement of the building is designed to identify the entrance, accommodate the reception area, provide private space for advisement with instructors and adjacent supply rooms for the dispense of materials.

The education wing of the building offers a collection of classrooms with various attributes to accommodate a broad range of instructions.

During tenure at other Architectural firm.

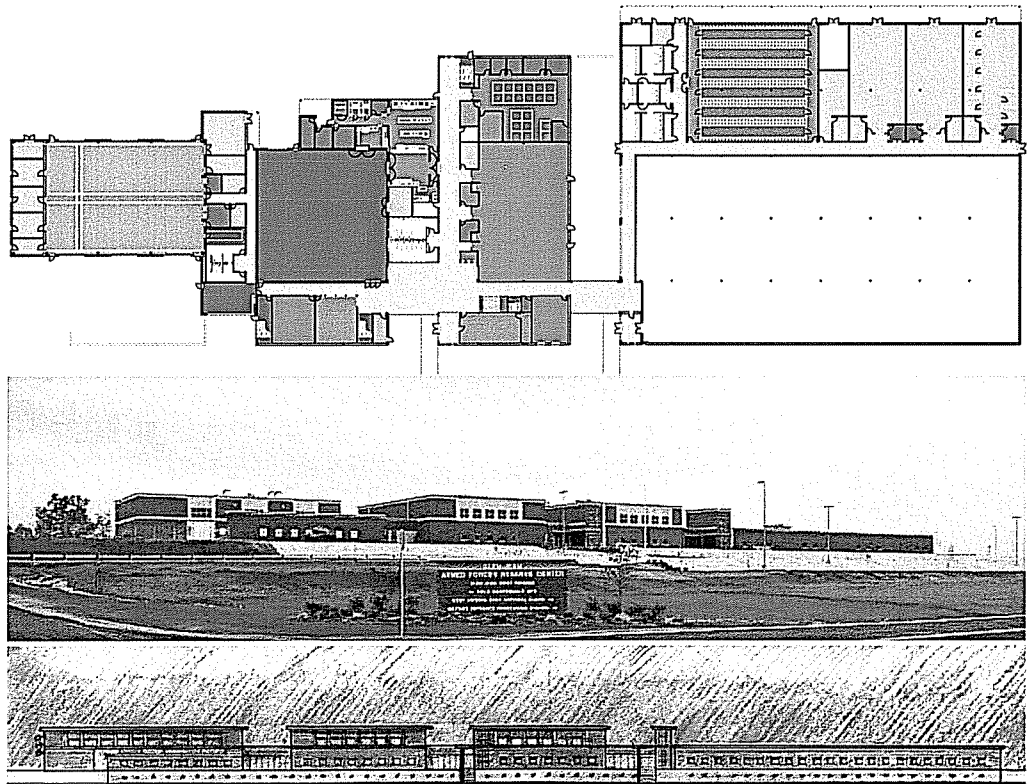
| | |
|--------------------|-------------|
| Completed: | 2001 |
| Area: | 145,750 GSF |
| Construction Cost: | \$ 22 M |



Glen Jean Armed Forces Complex
West Virginia National Guard
Glen Jean, West Virginia

The facility is an integrated complex of three distinct functions: An Armed Forces Reserve Center (AFRC), A Military Entrance Processing Station, and an Organizational Maintenance Facility (OMF). The facility integration and site access is achieved through a complex analysis of the program requirements, including security and access. The site is a reclaimed deep coal mine which added to the complexity of the overall planning and siting of the structure.

| | |
|--------------------|-------------|
| Completed: | 2004 |
| Area: | 105,860 GSF |
| Construction Cost: | \$ 15 M |



New Physical Plant Building Feasibility Study

University of Wisconsin - Madison Campus

The program is developed to replace the current Physical Plant Building and reorganize the Facility Planning and Management into a single building on campus.

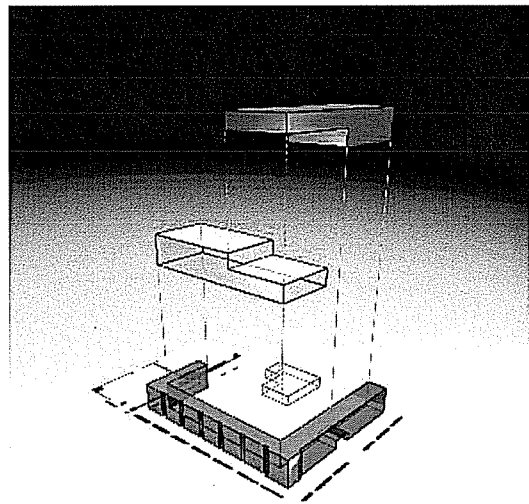
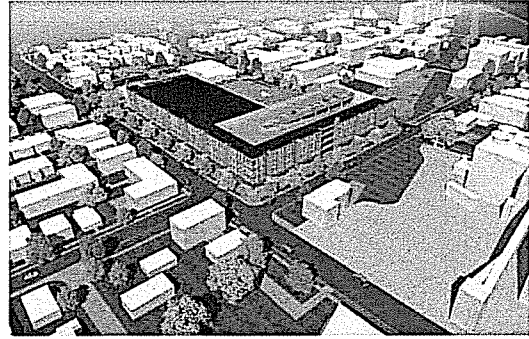
The study considers a broad range of issues including: operational organization, campus relationships, parking and deliveries, the building's long-term adaptability, blend of use and proximity, neighborhood interaction and urban design, energy conservation and LEED designation.

Nine options were developed incorporating a range of program necessities and cost implications. Each option was developed through a schematic level and three-dimensionally rendered in order to visually study the building in its context; and to solicit input from a group of University administrators.

The study included the development of schematic designs, selection of building materials and methods of construction, preliminary cost estimates, and a time-line outlining project delivery.

Completed:

June 2005



Joint Interagency Training
Center-East
Programming and Feasibility
Study

Camp Dawson, Kingwood, WV

This study is commissioned to plan the project scope, feasibility, and budget requirements for the Joint Interagency Training Center-East. Currently it is planned to accommodate the distinct and interconnected functions of training, operational mission support, and emergency operations for three agencies, serving a broad range of public and private audiences.

This project is an expansion of the Regional Training Institute that was designed by Hamid Noughani in 1997-1999. The original building included classrooms, seminar rooms, a swimming pool, and sleeping rooms as well as a complex variety of administration, food service and storage facilities. The expansion, once completed, will substantially increase the size of the facility and its range of programs which include: medical training, chemical training, and extended stay capabilities.

All graphics withheld at owner
direction.

Completed:

April 2005

National Guard Challenger Learning Center Wheeling, West Virginia

Owner
WV Army National Guard

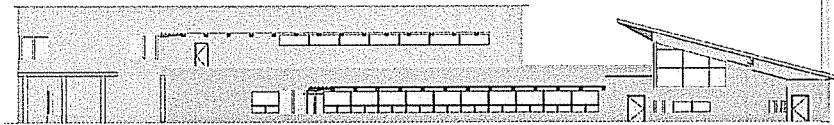
Size
40,000 SF approx.

Construction Cost
\$12.3 mil.

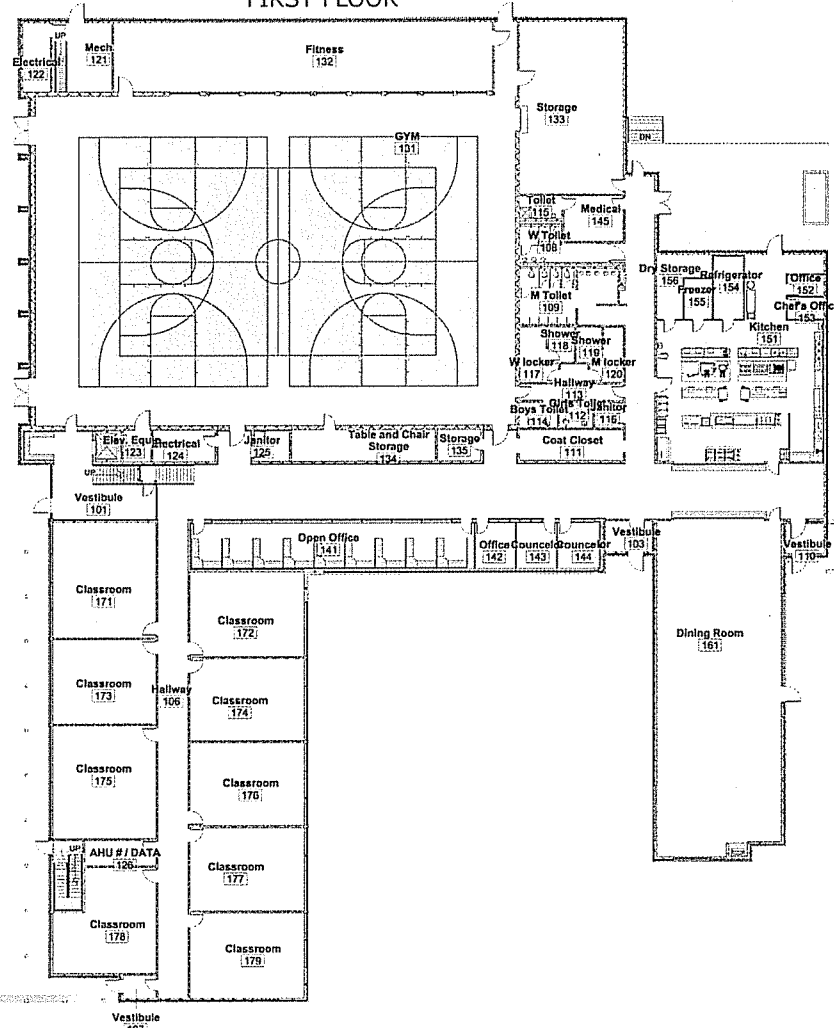
Project Engineers
McKinley & Associates

Currently completed the design phase of the Challenger Learning Center at Camp Dawson in Kingwood, WV. Our involvement in this project includes MEP engineering.

NORTH ELEVATION



FIRST FLOOR



WHEELING JESUIT UNIVERSITY NATIONAL TECHNOLOGY TRANSFER CENTER and the NASA CLASSROOM OF THE FUTURE

Wheeling, West Virginia

Owner
Wheeling Jesuit University

Local Architects-Engineers
McKinley & Associates

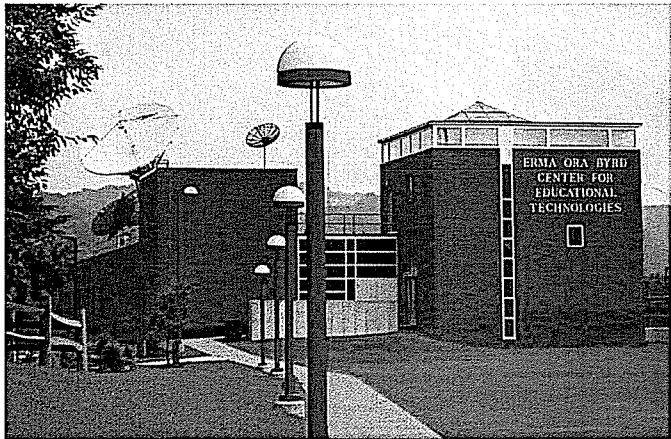
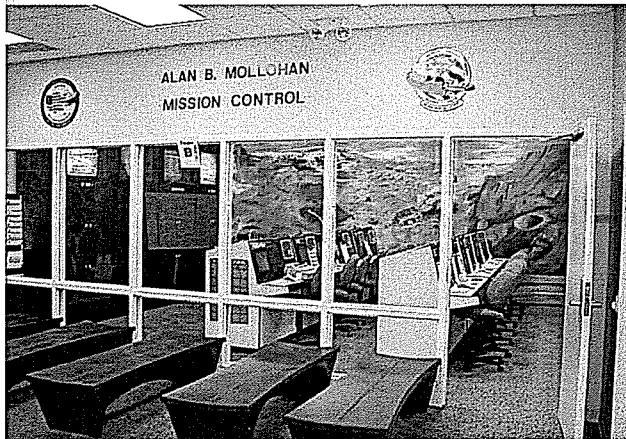
Contractor
Colaianne Contracting



National
Technology
Transfer Center

McKinley & Associates have completed various projects on the campus of Wheeling Jesuit University. The National Technology Transfer Center is a 45,000 SF facility containing upscale technology and serving as a learning center for students of all ages. The Classroom of the Future serves as NASA's principal research and development center for education technologies. The building include a museum, space control room for students to interact, classrooms, as well as offices. Our involvement in these projects included engineering.

NASA Classroom of the Future



WHEELING ISLAND RACE TRACK & GAMING CENTER

Wheeling, West Virginia

Owner
Delaware North Companies
Gaming & Entertainment

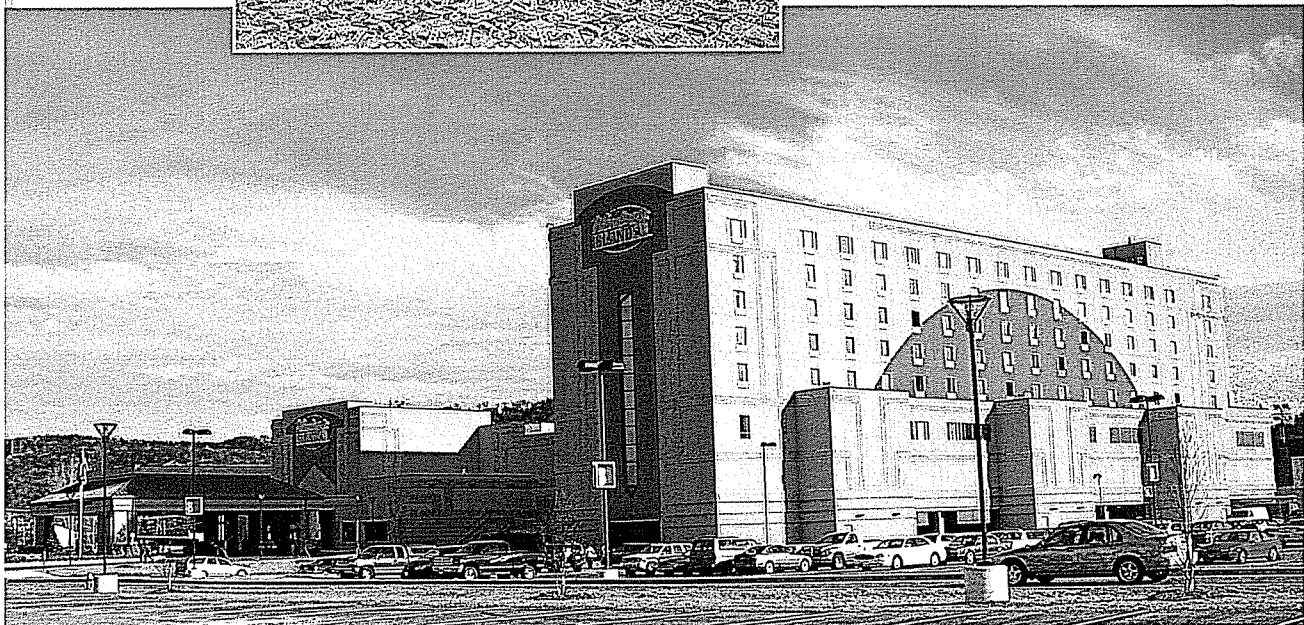
Size
40,000 SF approx.

Construction Cost
\$6 million

Project Architects-Engineers
McKinley & Associates
JCJ Architects

Wheeling Race Track & Gaming Center is a prime example of exciting entertainment with class, various events including dog racing, live performances and excellent accommodations.

McKinley & Associates is proud to have participated in creating this state of the art gaming facility by teaming up with JCJ Architects. Our involvement in this project included engineering.

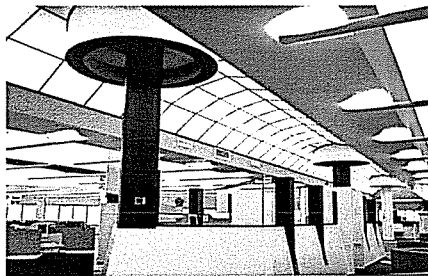


SIGNIFICANT EXPERIENCES

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 **demonstrate** the **size and diversity** of the projects we have successfully completed:

WEST VIRGINIA STATE BUILDING Weirton, West Virginia

A \$4 million dollar new office building in Weirton, West Virginia. The building consolidated seven different governmental agencies in this geographic area. Firm completed all programming, architectural and engineering design as well as contract administration.



TELETECH Moundsville, West Virginia

New office complex for a national in-coming call center. This 58,000 SF, \$8.5 million single story structure is considered one of the finest office environments in West Virginia. The building is a highly technical and sophisticated in design.

WHEELING STAMPING BUILDING Wheeling, West Virginia

An \$8 million dollar total renovation of a 100-year warehouse into offices for an international law firm's Global Operations Center. This back-office facility is 88,000 SF and required completely new systems as well as extensive architectural renovations.



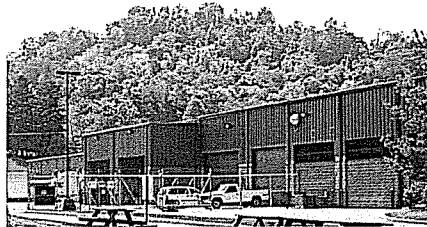
NASA's CLASSROOM OF THE FUTURE Wheeling Jesuit University Wheeling, West Virginia

Electronically sophisticated development center and classrooms funded in part by NASA; 45,000 SF of classrooms, offices, software research, exhibit space and the Challenger Space Center; up-link and down-link satellite communications; ARPS.

SIGNIFICANT EXPERIENCES

CARDINAL HEALTH / OV CLARKSBURG Corporate Offices and Automated Distribution Center Wheeling, West Virginia

Design included over 230,000 SF of office and distribution space constructed in three phases. Scope of work included a state-of-the-art automated distribution system as well as a high tech computer center. Our firm has also developed a master planned the site for an additional 90,000 SF.

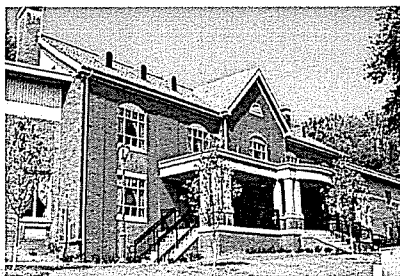


THE MILLENNIUM CENTER Ohio Valley Industrial and Business Development Corporation Triadelphia, West Virginia

This research and technical office complex consists of three office structures each approximately 15,000 SF. We also designed a 40,000 SF operational facility and a 5,000 SF test building.

THE WAGNER BUILDING Wheeling, West Virginia

A seven-story historic warehouse structure (circa 1916) was renovated to create another premier business address in Wheeling. Work includes total design of mechanical, electrical and fire suppression systems as well as all architectural components. ADA compliance design including elevator replacement was part of this project.



CHILDREN'S HOME OF WHEELING Day Care Center / Administration Building Wheeling, West Virginia

A total design of 21,500 SF. Design included a Day Care Center and an Administration Wing. The Day Care Center included play areas, classrooms, offices, nursery areas, and common multi-purpose areas. The Administration Wing included offices, kitchen/cafeteria, multi-purpose gymnasium, day treatment areas, conference rooms and storage areas

SIGNIFICANT EXPERIENCES

SERBIAN CULTURAL CENTER Weirton, West Virginia

A 45,000 SF Multi-Purpose Center. Building includes a banquet hall which seats 650, a commercial kitchen, a lounge area, and gymnasium.

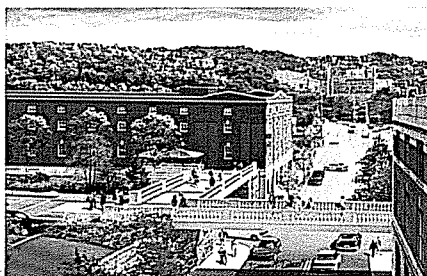


COLDWATER CREEK Parkersburg, West Virginia

Construction of a brand new 125,000 SF distribution center that was completed under heavy time constraints.

CABELAS DISTRIBUTION CENTER Wheeling, West Virginia

1.2 million SF distribution center and office facility for the company's Eastern retail outlets.



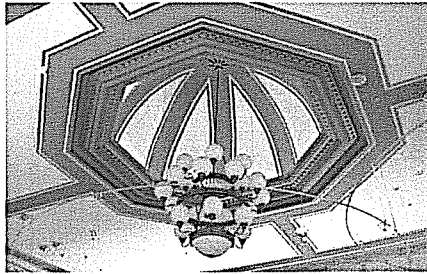
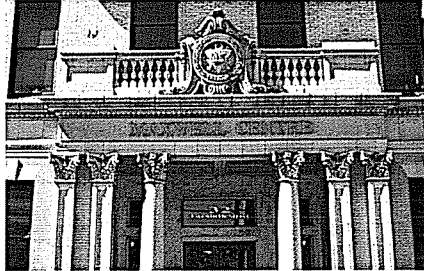
WEST VIRGINIA NORTHERN COMMUNITY COLLEGE EDUCATION CENTER Wheeling, West Virginia

An adaptive reuse of an 84,000 SF (circa 1890) warehouse into higher education offices, classrooms, culinary arts facility and a multipurpose gymnasium.

SIGNIFICANT EXPERIENCES

THE MAXWELL CENTRE Wheeling, West Virginia

A total renovation of the former YMCA building in downtown Wheeling. The \$2.4 million dollar project included rehabilitation of six floors into class A office space. All new systems were designed for this historic structure, which is now listed on the National Register of Historic Places. Our firm designed all architectural and engineering components.



CATHOLIC HERITAGE CENTER Wheeling, West Virginia

A total renovation to a multi-level retail building. The structure circa 1868 has 40,000 SF and is the repositioning and archived display for records and artifacts of the Catholic Diocese of Wheeling / Charleston. New systems were designed throughout the structure.

WEST VIRGINIA HIGH TECH CONSORTIUM Consortium Complex / Fairmont, West Virginia

A three building complex measuring a total of 100,000 SF. The complex will house the West Virginia High Technology Consortium offices as well as many participating members.

WVHTC
FOUNDATIONSM



NATIONAL TECHNOLOGY TRANSFER CENTER NASA / Wheeling Jesuit University Wheeling, West Virginia

A highly sophisticated \$14 million dollar electronic data processing center. This 85,000 SF building acts as the National Technology Transfer Center for all of the country's Federal laboratories to other Government Agencies and the private sector. This facility was designed in conjunction with WTW-Pittsburgh.

REFERENCES

Mr. Jack Bodkin
THE MAXWELL PARTNERS
32-20th Street / Maxwell Centre #300
Wheeling, WV 26003
304/232-2280

Mr. Darryl Costanzo
DIOCESE WHEELING-CHARLESTON
Eoff Street
Wheeling, WV 26003
304/233-0880

Mr. Will Turani
ORRICK
2121 Main Street
Wheeling, WV 26003
304/231-2629

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

Mr. Fred Renzella
MARSHALL COUNTY SCHOOLS
Post Office Box 578
Moundsville, WV 26041
304/843-4405

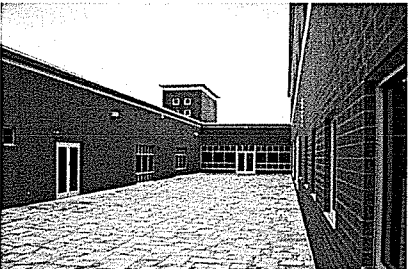
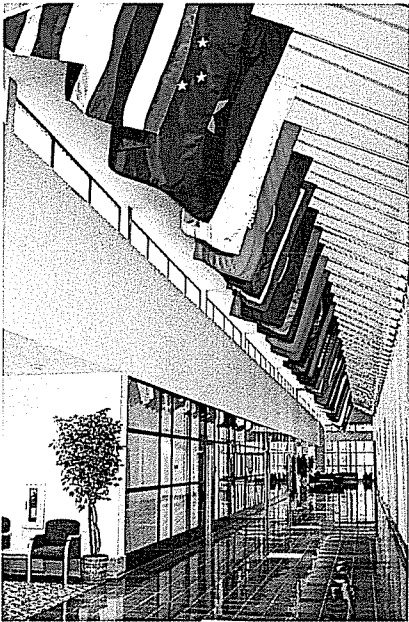
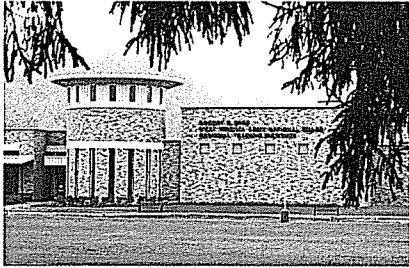
Dr. Larry Miller
OHIO COUNTY SCHOOLS
2203 National Road
Wheeling, WV 26003
304/242-0300

Mrs. Sue Smith
HANCOCK COUNTY SCHOOLS
P.O. Box 1300
New Cumberland, WV 26047
304/564-3411

Mr. William Niday
WOOD COUNTY SCHOOLS
1210 Thirteenth Street
Parkersburg, WV 26101
304/420-9663

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

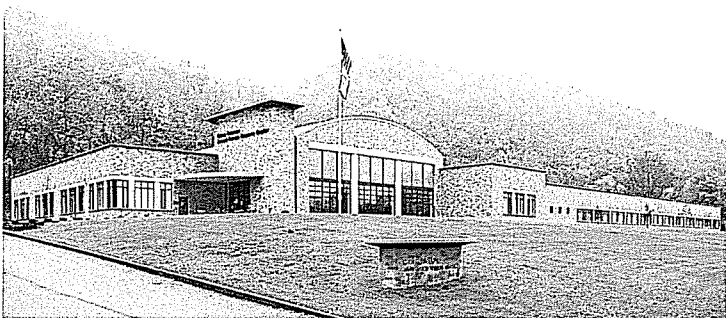
Dr. Marsha Carr-Lambert
GRANT COUNTY SCHOOLS
204 Jefferson Avenue
Petersburg, WV 26847
304/257-1011

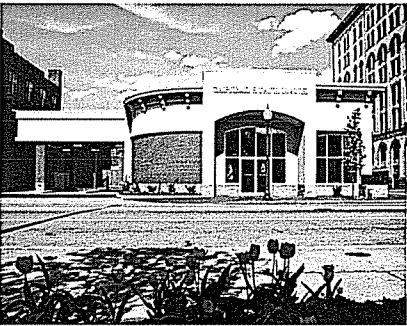
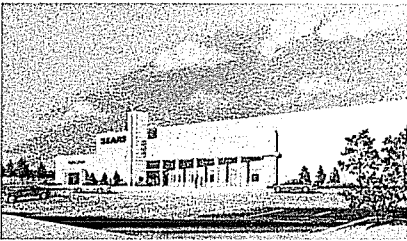
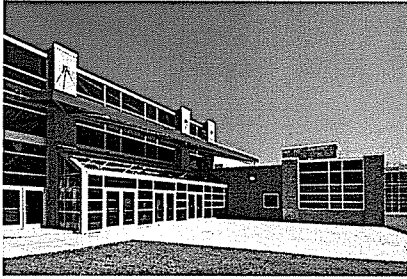


 **MOMENT**
engineers, inc.

West Virginia Army National Guard Project Experience

Douglas Richardson has provided the structural engineering and design for the Robert C. Byrd Regional Training Institute in Camp Dawson, WV, the Armed Forces Reserve Center in Camp Dawson, and the Armed Forces Reserve Center in Glen Jean, WV. These three facilities total over 300,000 square feet of built space, and each serves as a outstanding example of how a military structure can enhance the readiness of the units they house while also contributing to the local, state and national communities in which they are located. The structural systems utilized include steel frames, reinforced concrete and masonry, load bearing cold-formed steel studs, and long span steel joists.





Additional Project List

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

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

Construction Cost Systems, Inc.

Relevant Project Experience

Construction Cost Systems, Inc. has extensive experience working with the federal government. In total, we have been involved in over 600 projects nationwide with a total estimated construction value of over \$7 Billion. This experience includes projects under direct cost estimating IDIQ contracts as well as projects where CCS was a sub-consultant to the design team.



Aberdeen Proving Ground - Base Realignment and Closure Study – Monmouth, NJ
Master planning effort to relocate 6,000 people previously located at over 20 different army bases to a new consolidated campus at Aberdeen Proving Ground involving 12 different buildings.

Anacostia Naval Center - Child Development Center – Washington, DC
22,900 SF new facility.



Army National Guard - Joint Interagency Training Center (JITC-East) – Camp Dawson, WV
Homeland Security Center of Excellence: 610,000 SF new joint training center that will provide the needed education and training to National Guard personnel and other intra- and inter-agency partners in Homeland Security and Homeland Defense including the Army Reserves, National Guard, Department of Energy and Armed Forces Readiness Center.

Army Research Laboratory – Adelphi, MD
New research facility at Aberdeen Proving Ground comprised of 185 different laboratories ranging in size from 80 SF to 7,000 SF and ranging in complexity from clean rooms to explosion proof material development and testing rooms. Nearly 50% of this project is associated with mechanical, electrical and specialty construction. Estimates performed in MCACES-GOLD (Costlink) Estimating Software.



Charles C. Carson Center For Mortuary Affairs – Dover Air Force Base, DE
74,470 SF new forensic mortuary facility that houses a pathology lab, radiology suite, refrigerated vaults, and a preparation/processing area as well as administrative offices. Designed to meet the Department of Defense Anti-Terrorism and Force Protection Standards, this is the military's largest mortuary and the only one in the United States.

Dahlgren Naval Base - Elementary School – Dahlgren, VA
10,200 SF 1-story addition and renovation to elementary school.

Construction Cost Systems, Inc.

Relevant Project Experience

Dover Air Force Base - Army Visitor's Quarters – Dover, DE

6,500 SM (69,000 SF) new three-story building with 112 units. Project includes amenities, new mechanical, electrical and plumbing and the demolition of the existing building. Estimates performed in MCACES-GOLD (Costlink) Estimating Software.



FBI Academy Firearms Ranges – Quantico, VA

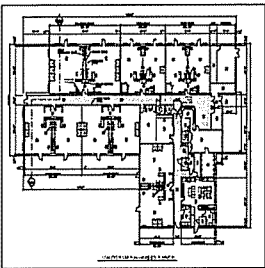
Firearms Ranges # 1, # 2 and # 3 on a 12-acre site that will support the FBI and the U.S. Marine Corps and provide the newest safety measures in firing range design from soils, fines, to pneumatic and electronic equipment.

Fort Benning Readiness Center – Fort Benning, GA

116,105 SF Readiness Center in two separate buildings on the same site. Project includes new site utilities and site improvements.

Fort Campbell Combined Club Facility – Fort Campbell, KY

34,614 SF new multi-layer, multi-use conference center. The center includes an upper level consisting of seating for a dining atmosphere, a kitchen and lounge/bar area. The lower level of the center consists of administrative facilities, a snack bar, golf cart storage and male and female locker rooms.



Fort Campbell Child Development Center – Clarksville, TN

New 15,000 GSF day care center at Ft. Campbell, KY. This was design/build project that included extensive site grading and imported structural fill, slab-on-grade construction, masonry envelope, blast resistant windows/doors and a fiberglass shingle roof. Estimates performed in MCACES Estimating Software.



Fort Detrick Primary Care Clinic – Frederick, MD

24,000 SF new 1-story primary care clinic. Estimates performed in MCACES-GOLD (Costlink) Estimating Software.

Fort Gordon Readiness Center – Fort Gordon, GA

45,566 SF Readiness Center in two separate buildings on the same site.

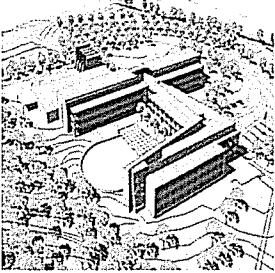
Fort Lee Military Housing – Ft. Lee, VA

67,617 SF selective demolition and renovation of 33 housing type G units. Project includes new interior finishes and new roof. Estimates performed in MCACES estimating software.

Construction Cost Systems, Inc.

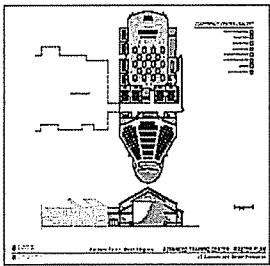
Relevant Project Experience

North Carolina Army National Guard - Joint Forces Reserve Center – Raleigh, NC
254,453 SF new 2-story training center for the North Carolina National Guard.

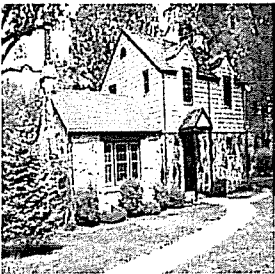


U.S. Army Center for Health Promotion and Preventative Medicine (USACHPPM) – Aberdeen Proving Ground, MD

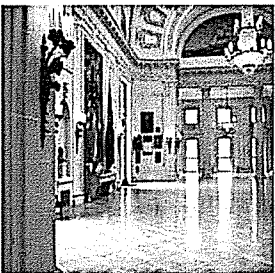
288,888 SF new 3-story laboratory building at Aberdeen Proving Ground. The U.S Army Center for Health Promotion and Preventive Medicine (CHPPM) provides worldwide support for the prevention and monitoring of all types of infectious diseases. The facility will include both wet and dry labs, a vivarium, training areas, conference rooms, research wing and administrative support space.



U.S. Customs and Border Protection Advanced Training Center – Harpers Ferry, WV
Master planning for a 220,000 SF new Customs and Border Protection training center that will include a dining facility, multiple dormitories, a conference center, Central plant, SKIF area and fitness center. Project also includes extensive site work for more that 50 Acres, hazardous material mitigation, new secure site access, perimeter security features, redundant site utilities, and LEED certified buildings.



U.S. Department of Navy - Comprehensive Neighborhood Plan – Crane, IN
Renovation of five types of Navy housing: 984 SF unit, 1008 SF unit, 1289 SF unit, 1233 SF farmhouse unit, and 2868 SF unit. Work on the units will include kitchen and bathroom modernization, additional bathrooms, interior and exterior remodeling, floor plan additions, roofing, windows, adjacent carports and garages, mechanical, electrical and plumbing work and landscaping. Only estimated the building types, quantities unknown.



U.S. Naval Academy - Bancroft Hall Master Plan – Annapolis, MD
Historic renovation of 1.2 million SF multi-story dormitory including berthing, messing, and domestic support services.

Construction Cost Systems, Inc.

Relevant Project Experience

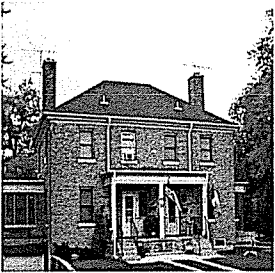
Fort Meade Site Improvements – Ft. Meade, MD

Congressional parcel site improvements and stormwater management upgrades including pond removal and replacement, landscaping, and plantings.



Fort Monmouth - Gibbs Hall Consolidated Dining Facility – Fort Monmouth, NJ

33,276 SF new dining facility including a cocktail lounge and accommodations for conferences and banquets. The Excalibur Dining Room comfortably provides seating for up to 134, and more intimate dining gatherings and cocktail parties are accommodated in the Monmouth Room. The Grand Ball Room offers elegant ambience and is ideally suited for large gatherings of up to 500 guests. Smaller banquet rooms can be partitioned for meetings, seminars and award ceremonies.



Fort Sheridan Neighborhood Plan – Highwood, IL

239-unit housing renovation and restoration.

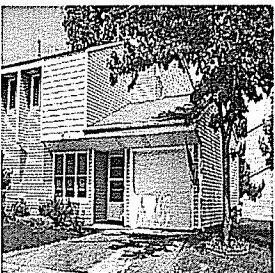
Fort Story - Cape Henry Cottages – Fort Story, VA

25,252 SF addition to existing complex consisting of 36 new two and three bedroom cottages located on cul-de-sacs in four clusters of nine units each. Amenities include a living room, kitchen, bathrooms, sleeping areas, and exterior deck. Support facilities include all utilities, landscaping, and parking.



Great Lakes Naval Training Center - Forrestal Village Revitalization – Great Lakes, IL

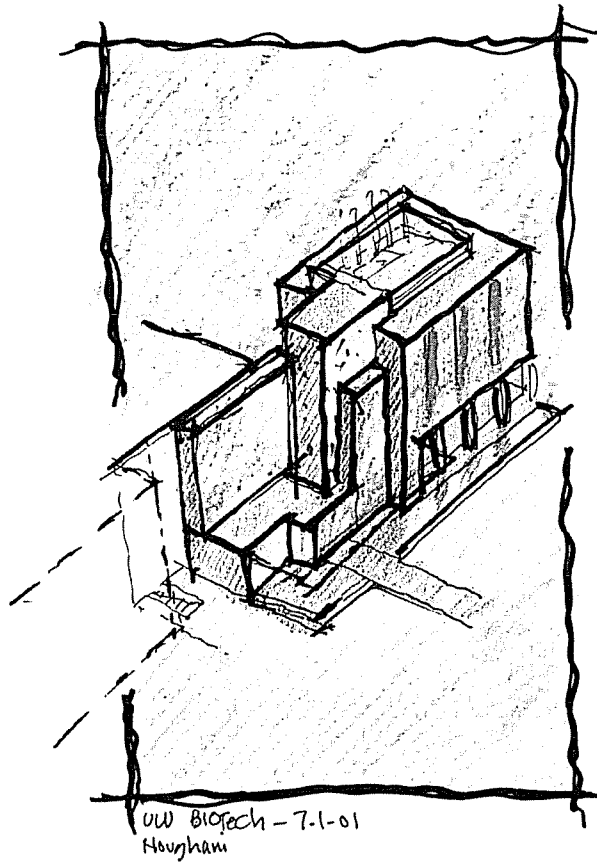
Wholehouse repair and improvements to 112 housing units contained in 35, 2-story buildings. Work involved selective site demolition and new adjacent ganged garages including new access driveways, sidewalk modifications, site utility modifications, asbestos abatement, and landscaping.



Great Lakes Naval Training Center - Nimitz Village Housing – Great Lakes, IL

Comprehensive neighborhood plan renovation of existing eight types of housing in five different neighborhoods. Renovation includes kitchen and bathroom modernization, additional bathrooms, interior remodeling, floor plan additions, new roofing and windows, new exterior finishes, carports/garages, patios, landscaping, mechanical, electrical and plumbing work. Project also includes community facilities, recreational space, basketball and tennis courts, hiking trails, street repaving, sanitary sewage and water distribution.

Section 3: Management, Quality Control, and Cost Control Plans



Management Plan:

Hamid Noughani, AIA as the Principal-in-Charge will bear the contractual responsibility of the project as well as the primary client and agency contact.

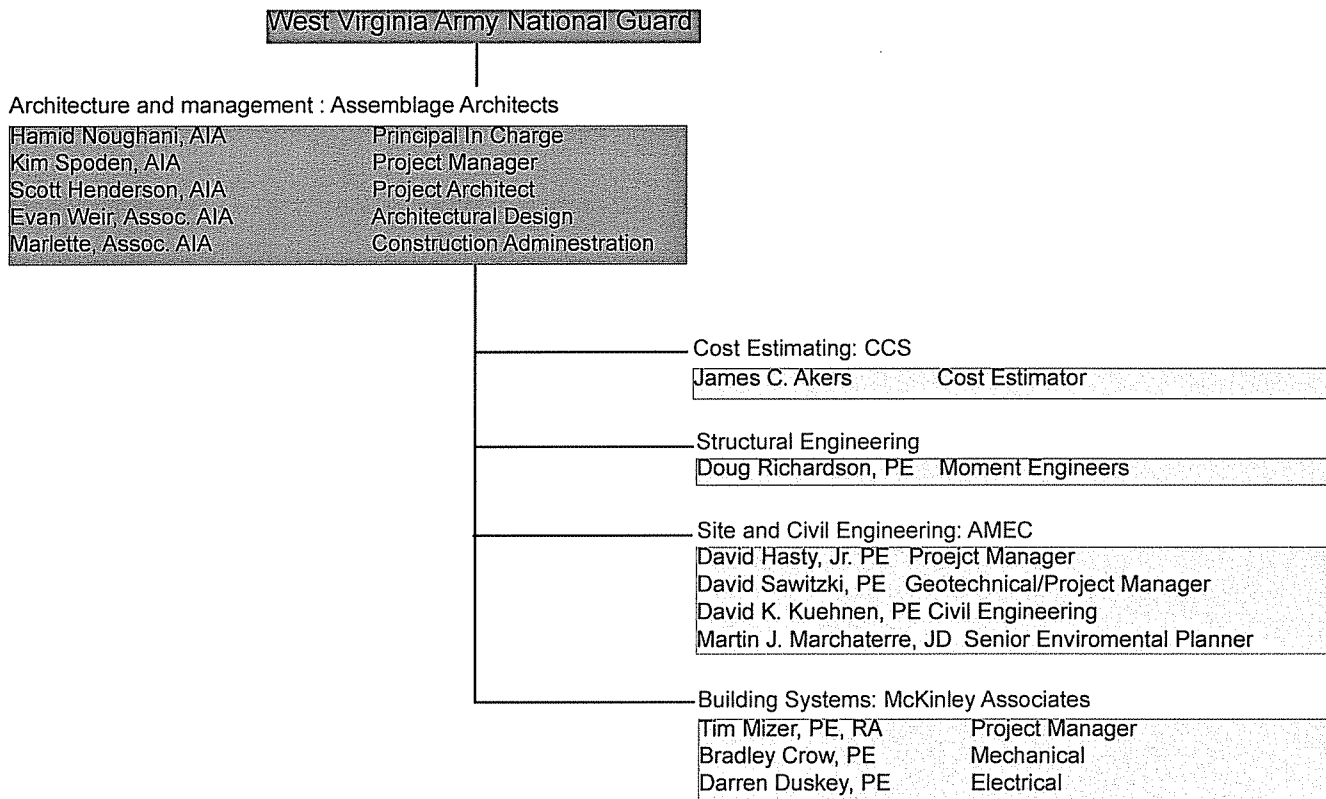
Kim Spoden, AIA of Assemblage Architects will lead project documentation and coordination.

AMEC as the site and civil engineering including geo-technical, site survey, site utilities and other related services.

Doug Richardson, PE will provide structural design for the building.

McKinley and associate will be the building systems including mechanical, electrical, plumbing, telcommunication, and fire protection.

The team will rely on a broad range of tools to maintain consistency and coordination throughout the project. Establishing a dedicated FTP site maintaining up-to-date project information and the distribution of weekly project memos that reflect the decisions, shall maintain a track record depicting the evolution of the building design and its development.



Quality Control Plan:

The Primary strategy for maintaining quality construction documents that are accurate, coordinated and complete can be found in the project planning. Decisions made are based on the input from appropriate sources at the proper time contributing to the overall development of the building. Construction documents are reviewed during production for consistency and coordination with the engineering disciplines.

We present the client with a project schedule identifying each family of decisions and its proper time during the design period. This strategy presents ample time for preparation and gathering of the information necessary to make the critical decisions.

Peer review is another critical step in maintaining a consistent quality of precision documentation and execution of the project. At regular intervals the project team solicits individuals from outside the firm to review the documents and comment.

Cost Control Plan:

While maintaining the programmed area of the building is the primary mechanism to control cost, we rely on professionally developed cost estimates to inform our decisions throughout the building development process.

Cost estimate are typically done in three stages: Schematic design, design development and Construction documents. We will then verify our consultants estimate by benchmarking selected components, such as curtain walls, and seek manufacturers input to buttress the overall construction cost estimate.

Furthermore during the final stages of construction documents we will seek input from contractors in the region regarding unit cost of certain items that are typical in the design of the building such as masonry. We will then compare this information with that of our consultant to confirm the accuracy of the estimate.

We have selected Construction Cost Systems Inc., to be a member of our project team. We have worked with CCS for over ten years on significant projects within West Virginia. CCS was part our project team on such projects as the JITC and Mountaineer Challenge Academy both at Camp Dawson. CCS is familiar with our requirements and we have developed a close working relationship with them over the years that helps us communicate our intentions at the critical stages of the project.

Section 5: Insurance Certificate

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)
01/08/08

PRODUCER
1-800-527-9049
Holmes Murphy & Assoc - WI
10 E. Doty Street, Suite 800
Madison, WI 53703

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

INSURED
Assemblage Architects
410 D'Onofrio Drive
Madison, WI 53719

INSURER A: XL Specialty Insurance Company
INSURER B: St. Paul Fire and Marine
INSURER C: US Fidelity & Guaranty Co.
INSURER D:
INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | POLICY NUMBER | POLICY EFFECTIVE DATE (MM/DD/YY) | POLICY EXPIRATION DATE (MM/DD/YY) | LIMITS | |
|---|--|----------------|----------------------------------|-----------------------------------|---|--------------|
| C | GENERAL LIABILITY | BK02010739 | 02/16/07 | 02/16/08 | EACH OCCURRENCE | \$ 1,000,000 |
| | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY | | | | FIRE DAMAGE (Any one fire) | \$ 300,000 |
| | <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR | | | | MED EXP (Any one person) | \$ 10,000 |
| | | | | | PERSONAL & ADV INJURY | \$ 1,000,000 |
| | | | | | GENERAL AGGREGATE | \$ 2,000,000 |
| | | | | | PRODUCTS - COMP/OP AGG | \$ 2,000,000 |
| | | | | | GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | |
| C | AUTOMOBILE LIABILITY | BK02010739 | 02/16/07 | 02/16/08 | COMBINED SINGLE LIMIT (Ea accident) | \$ 1,000,000 |
| | <input type="checkbox"/> ANY AUTO | | | | BODILY INJURY (Per person) | \$ |
| | <input type="checkbox"/> ALL OWNED AUTOS | | | | BODILY INJURY (Per accident) | \$ |
| | <input type="checkbox"/> SCHEDULED AUTOS | | | | PROPERTY DAMAGE (Per accident) | \$ |
| <input checked="" type="checkbox"/> HIRED AUTOS | | | | | | |
| <input checked="" type="checkbox"/> NON-OWNED AUTOS | | | | | | |
| | GARAGE LIABILITY | | | | AUTO ONLY - EA ACCIDENT | \$ |
| | <input type="checkbox"/> ANY AUTO | | | | OTHER THAN EA ACC | \$ |
| | | | | | AUTO ONLY: AGG | \$ |
| | EXCESS LIABILITY | | | | EACH OCCURRENCE | \$ |
| | <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE | | | | AGGREGATE | \$ |
| | <input type="checkbox"/> DEDUCTIBLE | | | | | \$ |
| | <input type="checkbox"/> RETENTION \$ | | | | | \$ |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | UB5593411-0-07 | 02/16/07 | 02/16/08 | <input checked="" type="checkbox"/> WC STATU-TORY LIMITS | OTH-ER |
| | | | | | E.L. EACH ACCIDENT | \$ 100,000 |
| | | | | | E.L. DISEASE - EA EMPLOYEE | \$ 100,000 |
| | | | | | E.L. DISEASE - POLICY LIMIT | \$ 500,000 |
| A | OTHER Professional Liability Claims Made | DPS9601974 | 02/16/07 | 02/16/08 | Each Claim | \$ 500,000 |
| | | | | | Aggregate | \$ 1,000,000 |
| | | | | | | \$ |

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

CERTIFICATE HOLDER

ADDITIONAL INSURED; INSURER LETTER: _____

CANCELLATION

Full Spectrum Solar
Attn: Burke O'Neal
100 South Baldwin Street, Ste. 109
Madison, WI 53703

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

M. A. R. Neale

USA

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.