

Proposal to the
Division of Engineering & Facilities
Armory Board Section
for Architectural & Engineering Services
for the
West Virginia Army
National Guard
Buckhannon Readiness Center

Upshur County, West Virginia

RFQ #DEFK9015 February 25, 2009

RECEIVED

2009 FEB 26 A 10: 07

PURCHASING DIVISION
STATE OF WV

GROVE & DALL'OLIO
ARCHITECTS PLLC





TABLE OF CONTENTS

WV Army National Guard - Buckhannon Readiness Center

Team Proposal

Expression of Interest

Project Approach

Experience with Similar Projects

Project Team

Ability to Complete Work in a Timely Manner

Ability to Meet Project Budget Constraints

Firm Profiles, Resumes and Relevant Experience



EXPRESSION OF INTEREST

WV Army National Guard - Buckhannon Readiness Center

We are pleased to herewith submit design team credentials for consideration for the new Army National Guard Readiness Center in Buckhannon, West Virginia. The design team assembled includes:

- Grove and Dall'Olio Architects PLLC (GDA), a woman-owned West Virginia design firm for Architecture and Landscape Design
- Comfort Design for Mechanical, Electrical and Plumbing Engineering
- Structural Concepts Inc. for Structural Engineering and
- Valley Engineering Surveying Planning for Civil Engineering
- L&W Enterprises, Inc. for Surveying and Site Project Management

The team has completed projects of a similar type and size. GDA is a design firm that has received AIA design awards for successful West Virginia projects. The project team is well versed at working within strict budgets and timelines and has the availability to begin work immediately. GDA has completed projects for both the State and Federal Government.

GDA is presently engaged in the completion of a similar project for Essroc-Italcementi, a cement manufacturing plant in Martinsburg, WV. An entire campus build-out was designed by GDA encompassing over 56,000 square feet. These projects which are now under construction include a master control room, administrative offices, conference/training facilities, showers, locker facilities, warehouse, shipping, laboratories and more. The facility was designed to be environmentally sensitive and low maintenance while providing modern, safe and cost efficient facilities that will be long lasting.

GDA is familiar with West Virginia purchasing requirements and regulatory agencies. We have experience integrating security into office environments having completed projects including two US District Courtrooms, US Probations Offices, US Circuit Clerk Offices, US Prosecuting Attorney offices, WV Family Courtroom and the offices of Senator Rockefeller.

We have completed West Virginia projects for clients as far away as New York, California, Florida and Italy. We offer video conferencing and web site updates to keep clients up to date on a weekly basis.



PROJECT APPROACH

WV Army National Guard - Buckhannon Readiness Center

DESIGN STANDARDS

The new design will need to conform to the ARMY NATIONAL GUARD DG 415-5 GENERAL FACILITIES INFORMATION DESIGN GUIDE. GDA is familiar with these design standards and will provide the State of West Virginia with designs that conform to these requirements.

If the State would like to have a value engineering study (VES) to ensure that design solutions are cost effective, GDA can provide the services of a Certified Value Specialist (CVS).

The design team will utilize the Unified Facilities Guide Specifications (UFGS) unless performance-based specifications are advantageous for that particular element.

The design of the building HVAC and exhaust systems will include indoor air quality features to ensure a safe environment. The design team will follow American National Standards Institute/American Society of Heating, Refrigerating and Air-Conditioning Engineers (ANSI/ASHRAE) Standard 62.1-2004.

The building envelope, mechanical and electrical systems will be designed to be energy efficient in conformance with the Federal UFC 3-400-01, Design: Energy Conservation guidelines.

DESIGNING A SECURE FACILITY

GDA will design a facility that clusters areas which are functionally compatible and have similar threat levels. This reduces the required perimeter area to be protected, limits access points to serve multiple facilities, and promotes compact security areas.

GDA and the Project team will achieve the required minimum standoff distance from vehicle circulation or parking by creating a buffer zone using design features such as landscape elements and bollards. The design will also address site access and circulation for fire department apparatus and other emergency vehicles. The site circulation will be designed to prevent high-speed approaches by vehicles.



PROJECT APPROACH (continued)

WV Army National Guard - Buckhannon Readiness Center

ENERGY EFFICIENCY AND GREEN DESIGN EXPERIENCE:

The design team has experience with incorporating new technologies into existing architecture. We have completed several projects utilizing passive solar, geo-thermal systems for heating and cooling, solar hot water systems, and rain water collection and distribution. Our firm also ushered through the State's first Bio-kinetic septic filtrations system for use at the Broomgrass Organic Farm Community.

The designs for the new facilities at the Essroc plant utilize passive solar heating and shading. A green roof was designed to cover the canteen and circulation corridor to add insulative properties to the roof, to purify and distribute collected rainwater and to extend indefinitely the life of the membrane roof.

GDA recently designed a state-of-the-art swimming pool and poolhouse for a new community called Broomgrass. The pool has automatic salt water chlorine generator, a pebble-tec interior, Titanium glazed self-cleaning ceramic splash tiles and a solar hot water heater which should offer several decades of near maintenance free enjoyment. The landscape design for the pool incorporates native plantings which will require little maintenance and water.

GDA incorporated new elevator technology into an adaptive reuse project in Maryland reducing energy usage by 40%.



DESIGN PROCESS

The Design Team will develop a concept for the WV Army National Guard utilizing a design development process encompassing the following basic steps:

A Information Collection

- The design team will compile information on the existing two facilities about to be consolidated and relocated, collect available drawings, and review or prepare a space-needs assessment for all current and future functions.
- The design team will meet with project representatives to gain background information about current short and long term plans for the building.
- Design charrettes (intense open thought-provoking design sessions): A charrette would be scheduled for the Project Team and all project representatives.

B Schematic Design and Cost Estimate Phase

- Upon completion of these Preliminary Charettes, three Schematic Design Alternatives would be developed and presented for comment.
- The approved Schematic Design would be used to develop preliminary construction and operating cost estimates.

C Construction Document Phase

- Construction Documents (drawings, specifications and contract documents) will then be developed for the proposed improvements.
- The design team will submit the construction documents for review to the appropriate authorities having jurisdiction over the project.



PROJECT APPROACH (continued)

WV Army National Guard - Buckhannon Readiness Center

DESIGN PROCESS (continued)

D Contractor Bidding & Negotiating Phase

- GDA will assist the State of West Virginia during the Bidding Phase to secure as many competitive bids as possible.
- During the bidding phase GDA and their consulting engineers will respond to questions from contractors through addenda.
- GDA in concert with the State Representatives will host a Pre-Bid Conference at the site to familiarize the bidders with site limitations.
- Upon receiving bids, GDA will compile the bid information and meet with the Owner to determine the next step; go to contract or value engineer. GDA will assist in making minor adjustments to the design for the purpose of negotiating the final construction contract amount.
- At the Owner's request, GDA will prepare the AIA Owner/ Contractor Agreement for signature by both parties.

E Construction Observation Phase

- GDA will provide construction phase services such as shop drawing review, attend progress meetings, answer contractor questions, and review and process contract documents.

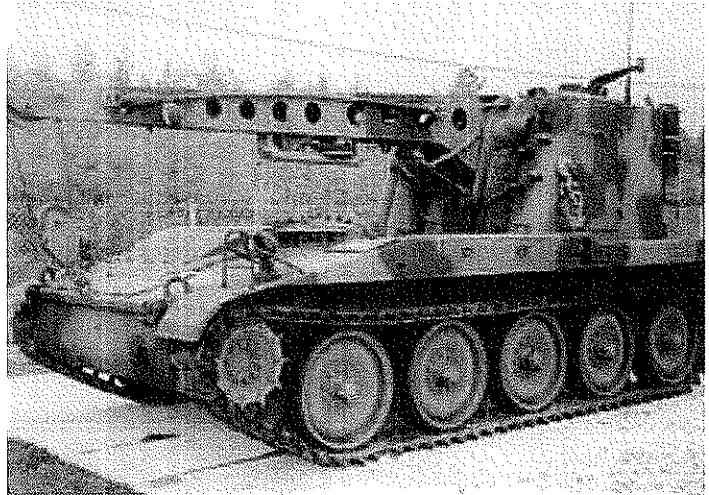


EXPERIENCE WITH SIMILAR PROJECTS

WV Army National Guard - Buckhannon Readiness Center

- Feasibility Study for the National Museum of the United States Army –

GDA completed a Conditions Survey/Feasibility Study and Specific Adaptive Reuse Plan for Eastern Panhandle Properties to serve as potential support spaces for the main museum being planned in Fort Belvoir, Virginia. Hundreds of macro artifacts were assessed for a new maintenance, storage and display facility.



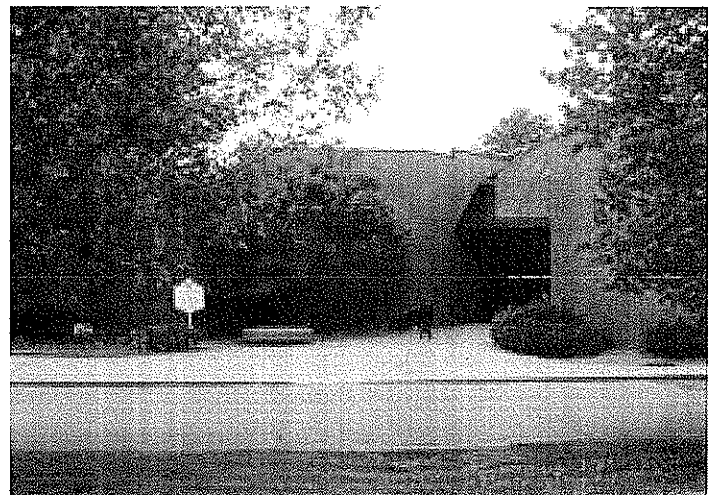
- Martinsburg Roundhouse Center

GDA has worked with the Berkeley County Roundhouse Authority to restore an 1866-1871 complex of B&O Railroad Shops. GDA has assisted the Authority with the development of the 60,000 square foot complex into a tourism-generating use compatible with the historic importance of this National Landmark



- Grave Creek Mound Archaeological Center

GDA completed a site evaluation study, schematic Design Report, construction documents and construction administration for the new Grave Creek Mound Archaeological Center in Moundsville, WV for the West Virginia Division of Culture & History.



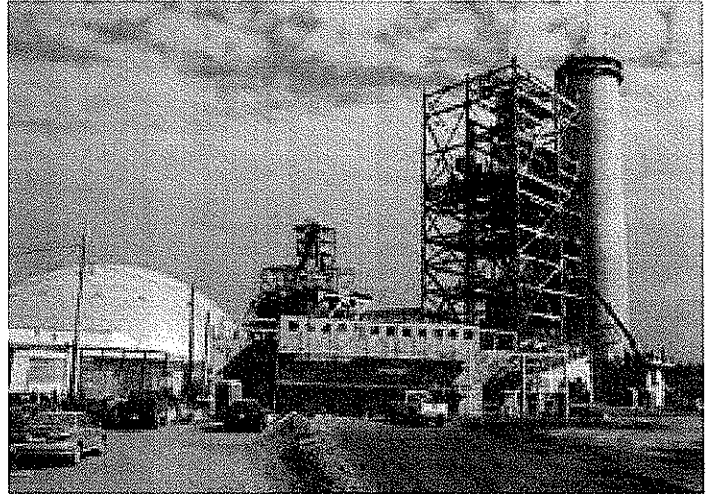


EXPERIENCE WITH SIMILAR PROJECTS

WV Army National Guard - Buckhannon Readiness Center

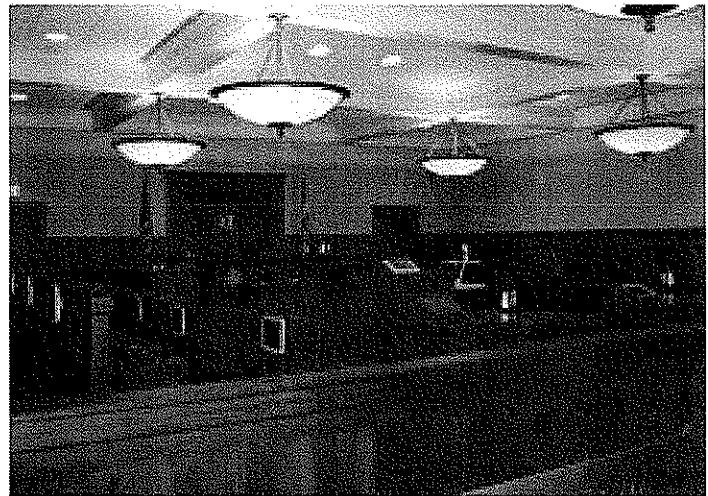
- Essroc-Italcementi Cement Plant

Designed a new campus for the Martinsburg Plant encompassing over 56,000 square feet of space in several buildings. Incorporated green technologies, healthy workplace initiatives and passive solar heating. Buildings include main administration building, shipping office, warehouse, and main control room.



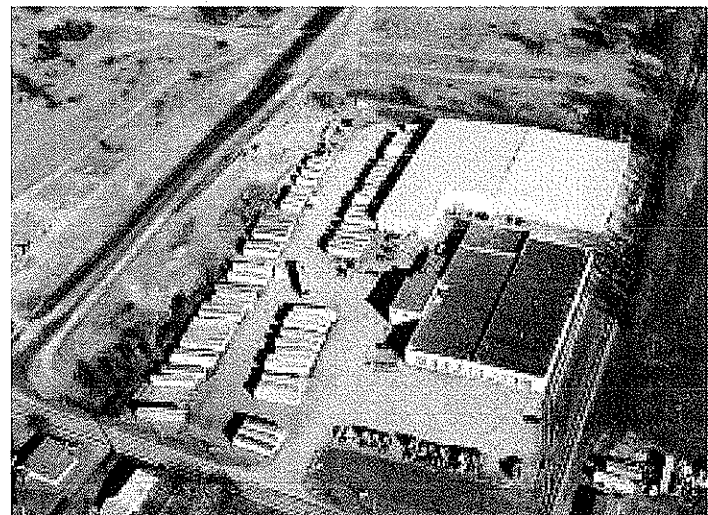
- United States Federal Building

GDA has completed multiple projects over several years for the General Services Administration including two new Federal Courts and their related office suites, Probations Offices, Clerk Suites and the offices of Senator Rockefeller.



- A&S Warehouse Distribution Center

58,000 square foot addition to a warehouse and distribution center in Inwood, West Virginia. The project also included 2,000 square feet of offices. The design included the use of Galvalume materials for exterior walls and roof surfaces for its long life expectancy without maintenance and its reflectivity for limiting heat gain.





PROJECT TEAM - Staffing Plan

WV Army National Guard - Buckhannon Readiness Center

The consultant team we propose for this project is made up of talented and experienced professionals:

Grove & Dall'Olio Architects PLLC Project Staffing:

Lisa Dall'Olio, AIA will serve as the Principal-in-Charge. Lisa has been working in the field for over 20 years serving both the public and private sector. Lisa's knowledge and experience with cost estimating and code compliancy makes her the best qualified to lead this portion of the project.

Matthew Grove, AIA will be the Project Architect and the lead contact, preparing necessary drawings and designs for review and discussion purposes. Matthew has over 23 years of experience working on new and existing buildings. As Project Architect, Matthew will coordinate the engineering and architecture into an aesthetic whole.

Hui Mei Grove, RLA will provide landscape design services for this project. Her 20 years of experience working for the Parks Department for the City of New York lends her the expertise necessary to design low maintenance attractive landscaping.

Timothy Yates will assist with data collection, product research, computer drafting, modeling and production. His experience in the building industry brings to Grove & Dall'Olio a contractor's perspective. This viewpoint is valuable both in detailing and during construction.

Shelly Holliday will provide a mix of clerical, administrative and material selection services in the development of this project.

Comfort Design Project Staffing:

Roger Catlett PE will be the Senior Mechanical Engineer on this project overseeing all work that his firm generates. Mr. Catlett will attend meetings at times when needed.

Joshua Catlett PE will be the Project Engineer on this project and will develop mechanical and plumbing drawings and specifications as well as cost estimates for those portions of the job. Josh will coordinate his work with that of his associate engineers prior to submitting documents to the architect's office.

Michael Howell PE will provide Electrical Engineering for this project. Mr. Howell will calculate energy usage and develop power and lighting schedules necessary in determining overall power need. Mr. Howell will coordinate with the local power company on service issues.

Ken Thomas PE will be the Senior Sprinkler Engineer on this project. Mr. Thomas will develop fire suppression documents in drawing and specification format for the State Fire Marshall review.



PROJECT TEAM - Staffing Plan (continued)

WV Army National Guard - Buckhannon Readiness Center

Valley Engineering

Project Staffing:

Daniel Michael, PE will be the Principal-in-charge and oversee all civil engineering aspects of this project including Utility/Distribution Layout, Site Design and Analysis, Erosion Control, Stormwater Management, Roadway Layout and Pavement Design.

Structural Concepts

Project Staffing:

As the Principal of Structural Concepts, Jody Fox PE will oversee all design work issued from their office. As Senior Engineer, Mr. Fox will attend key meetings through the course of the project.

Jeff Layman will serve as the Project Engineer throughout the length of the job, providing structural designs, details and specifications.

L & W Enterprises

Project Staffing:

Charles "Kirk" Wilson, PE, President will coordinate all site related project management for this project. He will oversee all surveying services at the project onset and he will provide local on-site supervision during site development as he is located in Petersburg, WV. His 22 plus years as a Navy Civil Engineer Corps Officer building military bases lends him the expertise necessary to successfully complete this aspect of the project.

Curtis Keplinger, PS will provide surveying services for this project. He has over 36 years surveying sites for large scale projects of this nature.



ABILITY TO WORK WITHIN TIME CONSTRAINTS

WV Army National Guard - Buckhannon Readiness Center

- Many of GDA's projects involve historic properties with funding from State and Federal Grant Sources
- These Grant sources often require strict timetables which must be adhered to in order to not lose funding.

EXAMPLE: ITC documents and approval process were completed within 120 days of contract signing in order to meet grant demands

- GDA can easily commit to meeting or exceeding the targeted dates for completion outlined in the schedule presented
- GDA has NEVER caused a project delay by an inability to meet projected deadlines for design or construction documents

The following List represents projects with time constraints for the preparation of the drawings and specification that were completed on time:

PROJECT	LOCATION	DRAWING PHASE	ON TIME
US District Courtroom Renovation	Martinsburg, WV	8 months	✓
Roundhouse Complex	Martinsburg, WV	3 months	✓
• Roof Restoration		6 months	✓
• Masonry Restoration		8 months	✓
• Doors & Windows			
Old B&O Station Hotel Office Suite Conversion	Martinsburg, WV	6 months	✓
• Interior Renovation			
US Multi-purpose Courtroom & US Clerks Offices	Martinsburg, WV	10 months	✓
US Probations Offices	Martinsburg, WV	4 months	✓
Shepherd College Community Technical College	Martinsburg, WV	4 months	✓
Morgan County Library	Berkeley Springs, WV	6 months	✓
Intermodal Transportation Center (ITC) Train Station	Martinsburg, WV	4 months	✓



ABILITY TO WORK WITHIN A BUDGET

WV Army National Guard - Buckhannon Readiness Center

COST ESTIMATING:

- GDA offers MEANS^o Construction Cost Data Estimates periodically throughout a project
- The scope of work and design development are modified as deemed necessary by the periodic cost estimates.

EXAMPLE: Shepherd CTC scope was decreased based upon cost estimate prepared at 60% completion. The documents were then finalized and the project completed within budget and on time.

- GDA averages less than 5% change orders on projects (excluding add alternates)

OFFERING PHASING OPTIONS WITHOUT RE-BIDDING:

- Where project funding may be insufficient at the time of bidding, certain elements are included in the construction bid package as separate add alternates
- Should funding be added later these elements can be incorporated without added expense of creating new docs or re-bidding

The following list represents local projects of a similar nature and scope that were completed within budget:

PROJECT	LOCATION	CONTRACT AMOUNT	WITHIN BUDGET
US District Courtroom Renovation	Martinsburg, WV	750,000	√
Roundhouse Complex	Martinsburg, WV		
• Roof Restoration		1,050,00	√
• Masonry Restoration		430,000	√
• Doors & Windows		1,140,000	√
Old B&O Station Hotel Office Suite Conversion	Martinsburg, WV		
• Interior Renovation		1,100,000	√
US Multi-purpose Courtroom & US Clerks Offices	Martinsburg, WV	1,200,000	√
US Probations Offices	Martinsburg, WV	300,000	√
Shepherd College Community Technical College	Martinsburg, WV	440,000	√
Morgan County Library	Berkeley Springs, WV	740,000	√



FIRM PROFILE

GROVE & DALL 'OLIO ARCHITECTS PLLC

Grove & Dall 'Olio Architects PLLC is a full-service architectural firm which guides new construction, renovation, restoration, and adaptive reuse projects from inception to completion. The firm began in 1993 and is dedicated to serving the needs of its clients through the development of designs which are appropriate in size, scale and style. The services of the firm include all phases of program analysis, budget preparation, architectural design and drafting, specification writing, contractor bidding negotiation, construction supervision, and public relations.

Matthew Grove and Lisa Dall'Olio, partners of Grove & Dall'Olio Architects PLLC, collectively offer more than 40 years of professional architecture experience and are actively involved in the field at the local, state and national levels. Mr. Grove and Ms. Dall'Olio are members of the American Institute of Architects and are licensed to practice in West Virginia, Pennsylvania, Maryland and New York.

The firm's experience includes the successful completion of a wide range of new construction, preservation and adaptive reuse projects throughout the eastern United States. Since relocating the practice from New York City to Martinsburg, West Virginia in 1994, Mr. Grove and Ms. Dall'Olio have focused their efforts toward a variety of municipal, commercial and residential projects in West Virginia. Grove & Dall'Olio Architects PLLC is experienced in working with government entities and operates in compliance with all applicable state and local contracting requirements.

Grove & Dall'Olio Architects and its consultant team employ the use of Cadd, three-dimensional software for drafting and illustrative functions which enables the firm to provide clients with state-of-the-art, photo-quality, computer renderings of project work. Grove & Dall'Olio Architects PLLC utilizes electronic modern technology which facilitates communication with consultants and subcontractors, ultimately expediting project results.

PARTIAL CLIENT LISTING:

National Museum of the US Army
US General Services Administration
WV Division of Culture & History
Berkeley County Roundhouse Authority
The City of Martinsburg
Morgan County Public Library
Martinsburg-B.C. Public Library
Jefferson County Commission
Essroc Italcementi Group
Governor Gaston Caperton
Tom Seely Furniture
Flatwoods Factory Stores
Blue Ridge Outlet Center
Chatfield-Taylor Corporation
Nemacolin-Woodlands Resort
Ridgecrest Development
Demcore Development
Shepherd University
Community & Technical College at Shepherd
Huntington Bank
Jefferson Security Bank
Senior Life Services of Morgan County

AWARDS:

1997 AIA WV Honor Award for Caperton Station
1997 AIA WV Craftsmanship Award for
exterior of Caperton Station
1999 AIA WV Honor Award for new Morgan
County Public Library



LISA M. DALL'OLIO, AIA

Partner, Grove & Dall'Olio Architects PLLC

Lisa M. Dall'Olio's expertise as a preservationist and architectural historian have resulted in her participation in a variety of exciting assignments. In 1993, she served as an architectural consultant to the World Monument Fund to participate in an adaptive reuse study of the Esterháza Palace in Fertöd, Hungary. One year later, she supervised a preservation study of the cast-iron Chelsea Pier 54 in New York City, constructed in 1912 to serve the Cunard luxury liners. She was appointed by Governor Cecil Underwood in 1998 to the State Commission on Archives and History.

A native of the greater New York City metropolitan area, Ms. Dall'Olio studied at the top-rated, University of Texas, School of Architecture, where she obtained her Bachelor's degree and pursued graduate work in the field of preservation. Returning to New York City in 1990, she was employed as a preservationist by the New York City Landmarks Preservation Commission. There, her responsibilities included the review and evaluation of hundreds of proposed historic renovation projects. Using United States Department of Interior Preservation Standards, she consulted NYC Landmarks Preservation Commissioners on projects which ranged from facade and interior improvements made to small, historic private residences – to more extensive restoration projects involving large scale commercial buildings.

Ms. Dall'Olio obtained practical, commercial design experience while employed by Joseph Pell Lombardi, an internationally-renowned architect/preservationist, who is credited with the Soho cast-iron loft residence conversion movement in the 1970s, as well as Cabrera-Barricklo, Architects, where, in other roles, she served as Job Captain for the multi-million dollar restoration and adaptive reuse of Sailor's Snug Harbor Cultural Center on Staten Island, New York. Ms. Dall'Olio relocated to Martinsburg, West Virginia, with her husband and partner, Matthew W. Grove, in 1994, to establish Grove & Dall'Olio Architects. Her expertise in the field of preservation and historic architecture ensures authentication of the firm's restoration assignments and brings timeless, classical architectural qualities to those projects which involve new construction. Recently, Ms. Dall'Olio has led several historic restorations and adaptive reuse projects including the new Community & Technical College of Shepherd and a mixed use master plan study of the old Interwoven property in downtown Martinsburg.

EDUCATION

Bachelor of Architecture, University of Texas, 1990

PROFESSIONAL REGISTRATIONS

Registered Architect in the State of West Virginia, 1995

Registered Architect in the State of New York, 1994

Registered Architectural Historian in the State of West Virginia, 1994

PROFESSIONAL AFFILIATIONS

American Institute of Architects, Member

National Trust for Historic Preservation, Member



CIVIC APPOINTMENTS

Commissioner, West Virginia Archives and History Commission

Commissioner, Martinsburg Historic Preservation Review Commission 1995-1998

Board Member, Martinsburg Board of Zoning Appeals 2004-Present



MATTHEW W. GROVE, AIA

Partner, Grove & Dall'Olio Architects PLLC

A native of Martinsburg, West Virginia, Mr. Grove studied architecture at Carnegie Mellon University. Upon graduation, he relocated to New York City where he was engaged by such prominent firms as Cabrera-Barricklo, Architects, and later, David Smotrich & Associates. During his employment, he served as Project Architect for the AIA award-winning Woodstock Meadows Residential Community in Woodstock, New York, as well as the restoration of the historic Jewish Community Center in Brooklyn, New York.

While in New York, Grove had the opportunity to serve in leadership roles for a variety of prestigious architectural projects which included the restoration and renovation of Sailor's Snug Harbor Cultural Center on Staten Island, New York; the conversion of the Stuyvesant Hotel in Kingston, New York; the renovation of the Residence Halls at State University of New York in Stony Brook; as well as a number of custom residential and commercial interior projects in Manhattan.

In 1993, Mr. Grove established his own practice in New York City. Realizing the potential for both new construction projects and preservation efforts in West Virginia, Mr. Grove returned to Martinsburg in 1994 where he was joined by his wife and partner, Lisa Dall'Olio. Since that time, the firm of Grove & Dall'Olio Architects has been involved with project work commissioned by United States District Courts, General Services Administration, Shepherd University, Berkeley County Roundhouse Authority, Jefferson County Commission, The City of Martinsburg, as well as numerous private sector residential and commercial clients.

EDUCATION

Bachelor of Architecture, 1986
Carnegie Mellon University, Pittsburgh, Pennsylvania

PROFESSIONAL REGISTRATIONS

Registered Architect in the State of West Virginia
Registered Architect in the State of Maryland
Registered Architect in the State of Pennsylvania
Registered Architect in the State of New York, inactive

PROFESSIONAL AFFILIATIONS

American Institute of Architects, Member
West Virginia Chapter of the American Institute of Architects, Member
Preservation Alliance of West Virginia, Member
Society of Industrial Archaeologist, Member
International Code Council, Member

CIVIC APPOINTMENTS

Commissioner, Martinsburg City Planning Commission 1996-1998
Board Member, Main Street Martinsburg 1997-2002, President 1998
President, Boarman Arts Center Board of Directors 2000-2001
Board Member & Chairman, Boarman Arts Center Building Committee 1996-2001
Tuscarora Creek Linear Park Steering Committee, Member 2001-2004





TIMOTHY R. YATES

Interning Architect, Grove & Dall'Olio Architects PLLC

Timothy Yates is a graduate of the University of Tennessee's Architecture School, where he graduated with a professional degree. While completing his internship with Grove & Dall'Olio he has exhibited high level problem solving and communication skills. Mr. Yates is a native of West Virginia and brings to Grove & Dall'Olio Architects more than 5 years of experience in the construction industry. Prior to working with Grove & Dall'Olio, Mr. Yates was employed by Cedar Creek Builders constructing showcase homes. His model building and desktop publishing skills were employed by the University of Tennessee while studying architecture. Mr. Yates' breadth of experience in the construction side of the industry adds greatly to Grove & Dall'Olio's drawings by rendering them more "builder friendly".

Mr. Yates also studied for six months at the esteemed Politechnica Krakoska in Krakow, Poland, where he studied historic and modern art, architecture and culture. In 1998, he was a finalist in the Pella Corporation's Design Competition.

EDUCATION

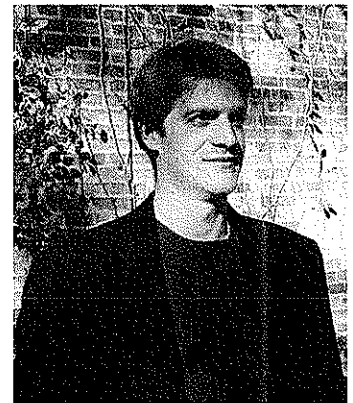
Bachelor of Architecture, University of Tennessee, 2000

COMPUTER SOFTWARE

AutoCAD
Vectorworks
Pagemaker
Quark
Form Z

CIVIC APPOINTMENTS

Commissioner, Martinsburg Historic Preservation Review Commission 2002-Present



Essroc Cement Plant - New Campus of Buildings

Martinsburg, West Virginia

CLIENT

Italcementi Group, 2007-2009
Matteo Faggin, Project Coordinator
Derek Nicholls, V.P. Manufacturing



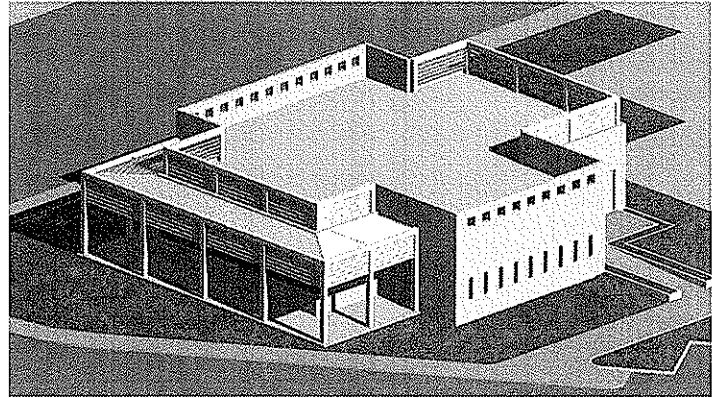
Essroc
Italcementi Group

DESCRIPTION

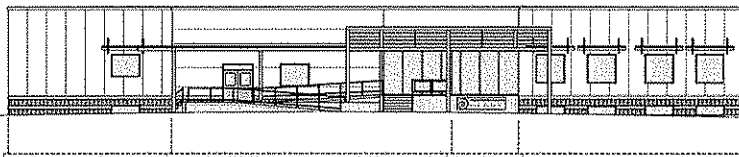
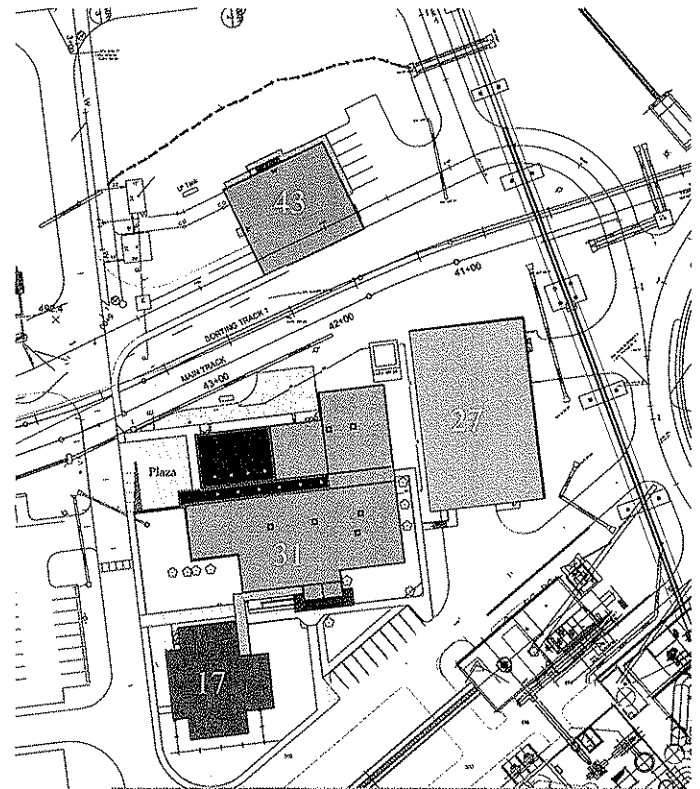
The new owners of this century old plant had visions of remaking the facility with the latest technology and stringent emissions controls. GDA was employed to design multiple buildings for the new campus including the Main Control Building(17), new entrance and Shipping Office(32), the Warehouse(27), the Administration Building(31) including offices, laboratories, Canteen and Shower Rooms and the Electrical Maintenance Building (43).

PROJECT HIGHLIGHTS

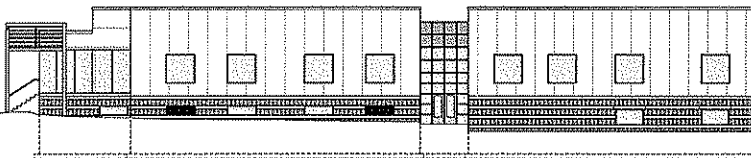
- Initial services included studies of up to seven new structures and renovations of three others.
- Design-Build documents were prepared by GDA for the Main Control Room Building, the Warehouse and the Electrical Maintenance Building. GDA was contracted by Keystruct Construction and Canyon Construction respectively for the completion of these projects.
- GDA issued drawings and specifications to State and Local regulatory officials for building permits.
- Use of Essroc patented self cleaning Tx Active stucco product was used on buildings 17 and 31.
- Design team studied "green" building systems for new structures and employed many of them in the end solutions including daylighting, locally manufactured building materials and a green roof system.
- Water based concrete stains were used for economic and design purposes the Administration Building's offices and locker rooms.



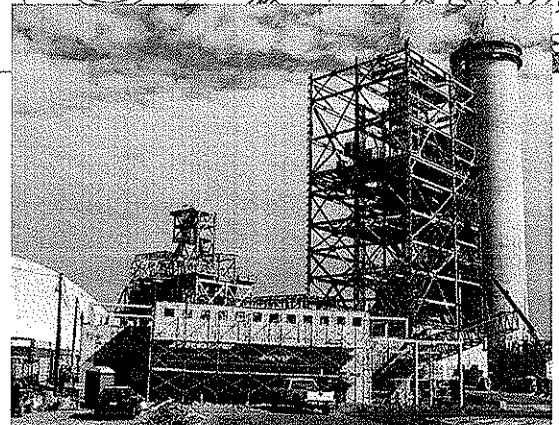
Main Control Room Building 17



Administration Building South Facade



Administration Building East Facade



Main Control Room Building under construction



GROVE & DALL'OLIO
ARCHITECTS PLLC

218 West King Street
Martinsburg, West Virginia 25401
304-267-2120 • GDAaia.com

U.S. District Courtroom Renovation

Martinsburg, West Virginia

CLIENT

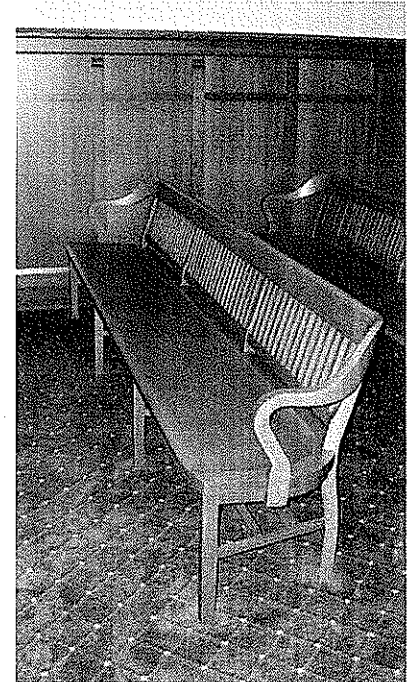
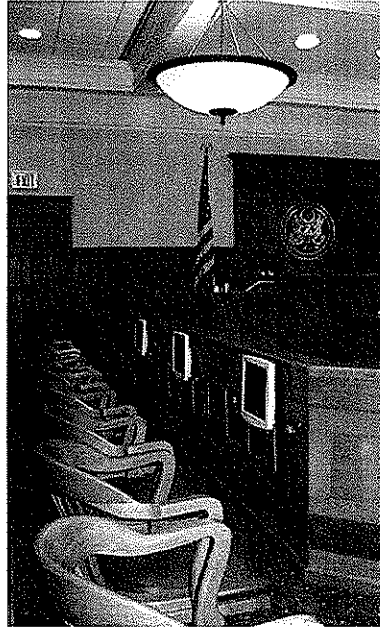
General Services Administration 1999

DESCRIPTION

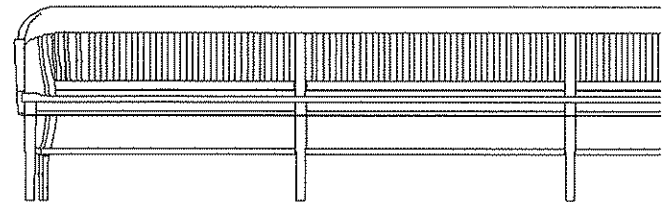
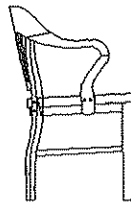
Complete Renovation of Federal courtroom which has remained untouched since it's construction in 1960. Design allows for integration of state-of-the-art courtroom technology while at the same time maintaining the traditional dignity of the court.

PROJECT HIGHLIGHTS

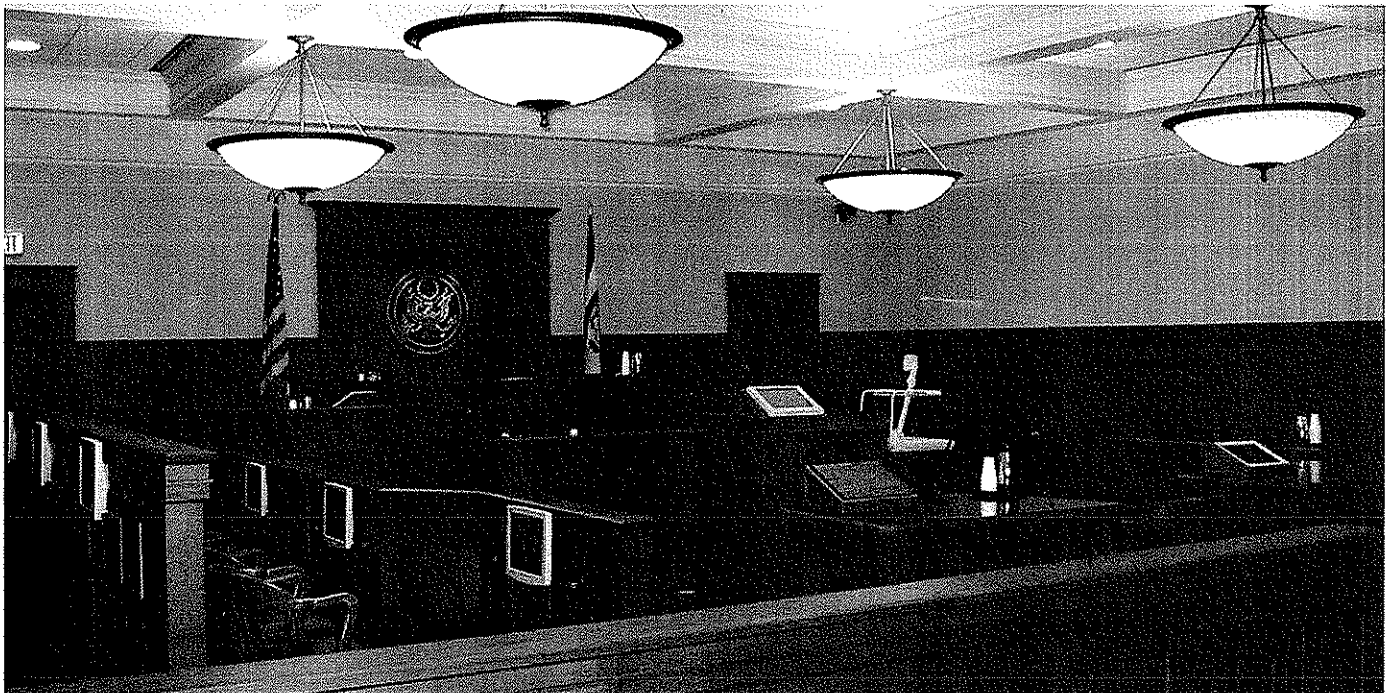
- Total redesign of layout of Courtroom
- Aggressive time schedules
- Design included the creation of a plaster frieze engraved with a quotation of JFK's.
- Design allows for future expansion of cabling and connections.
- Project requires close interface with U.S. Marshall Service, Court Security, and Clerk's Office.
- Traditional timeless design invokes feelings of awe and reverence.
- Selection of materials and fixtures, including carpeting and accoustical ceiling tiles to help reduce noise.



GDA custom designed oak bench



Detail of Spectator Bench



Present View of Courtroom



GROVE & DALL'OLIO
ARCHITECTS PLLC

218 West King Street
Martinsburg, West Virginia 25401
304-267-2120 • FACSIMILE 304-267-2884

National Museum of the United States Army – Satellite Facility Study

Martinsburg, West Virginia

CLIENT

US Army Museum System, 2002-2003

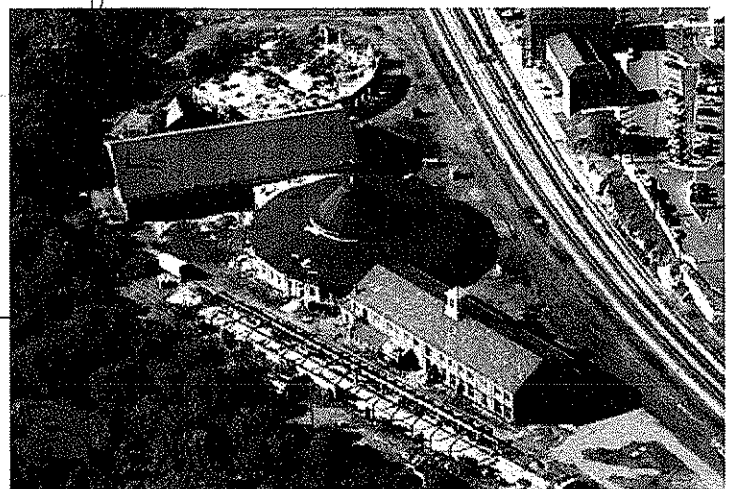
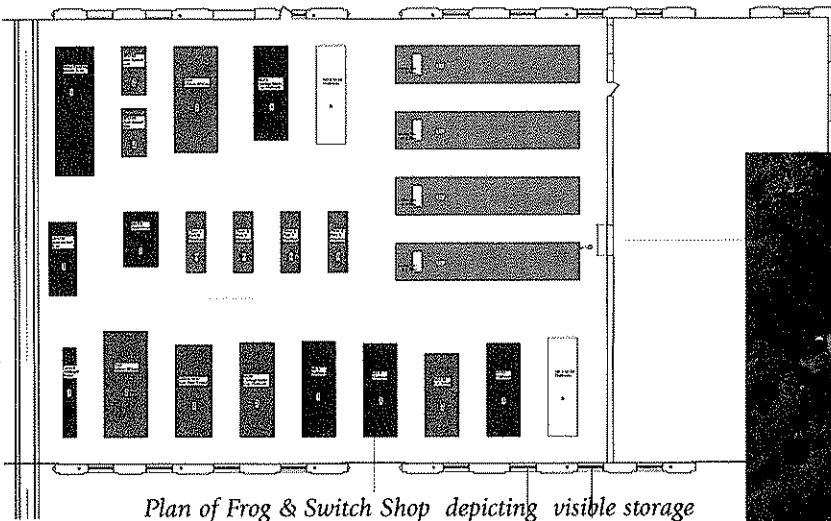
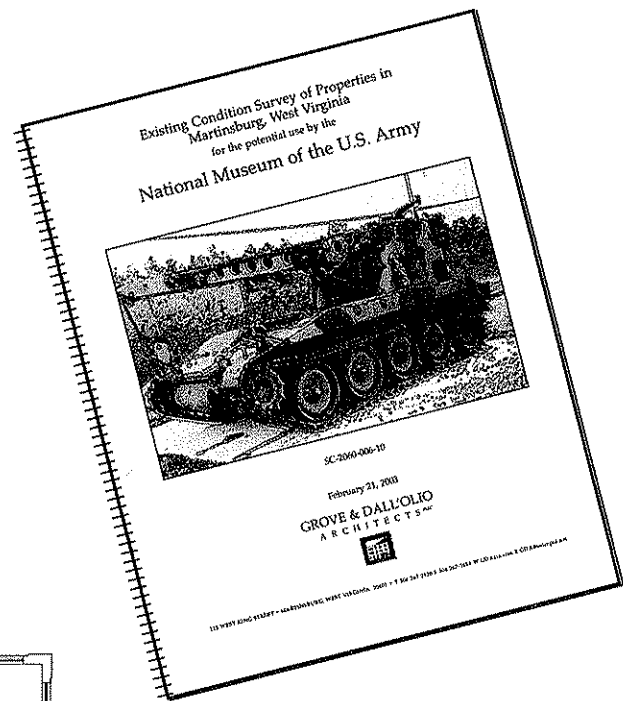


DESCRIPTION

GDA was a part of an international design team contracted to collect data on existing properties in the Eastern Panhandle and evaluate them for adaptive reuse as the satellite support facility for the new National Museum of the United States Army.

STUDY HIGHLIGHTS

- Prepared a Conditions Survey Report analyzing each targeted property
- Completed a Preliminary Code evaluation for proposed uses
- Assisted with the Development of a Specific Adaptive Reuse Plan
- Prepared a cost estimate for the reconstruction of the East Roundhouse for use by the Army System as an Object Theater
- Reviewed accessibility of each of the properties in terms of both pedestrian and vehicular traffic
- Evaluated each of the proposed uses for compatibility with historic structures



GROVE & DALL'OLIO
ARCHITECTS^{PLLC}

218 West King Street
Martinsburg, West Virginia 25401
304-267-2120 • FACSIMILE 304-267-2884

GRAVE CREEK MOUND ARCHAEOLOGICAL COMPLEX

Moundsville, WV

CLIENT

WV Division of Culture & History,
2003-Present

DESCRIPTION

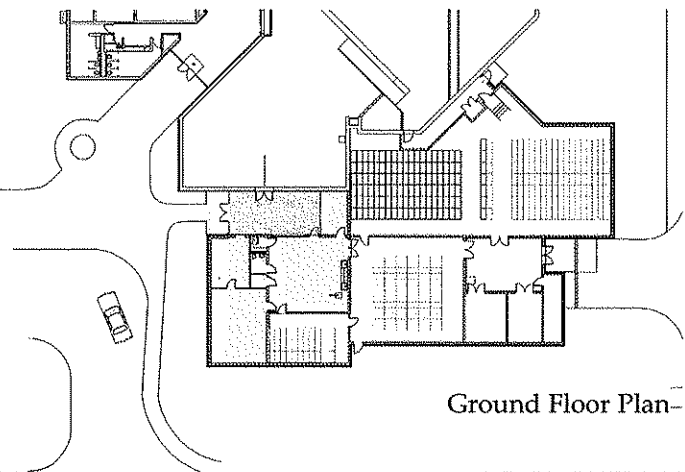
The West Virginia legislature selected this site as the new home for the State's archaeological collections. GDA assessed the storage needs and developed several expansion alternatives for the 1970's structure. GDA prepared plans for a 9,000 sf addition to provide 20 years of archival storage and a research facility.



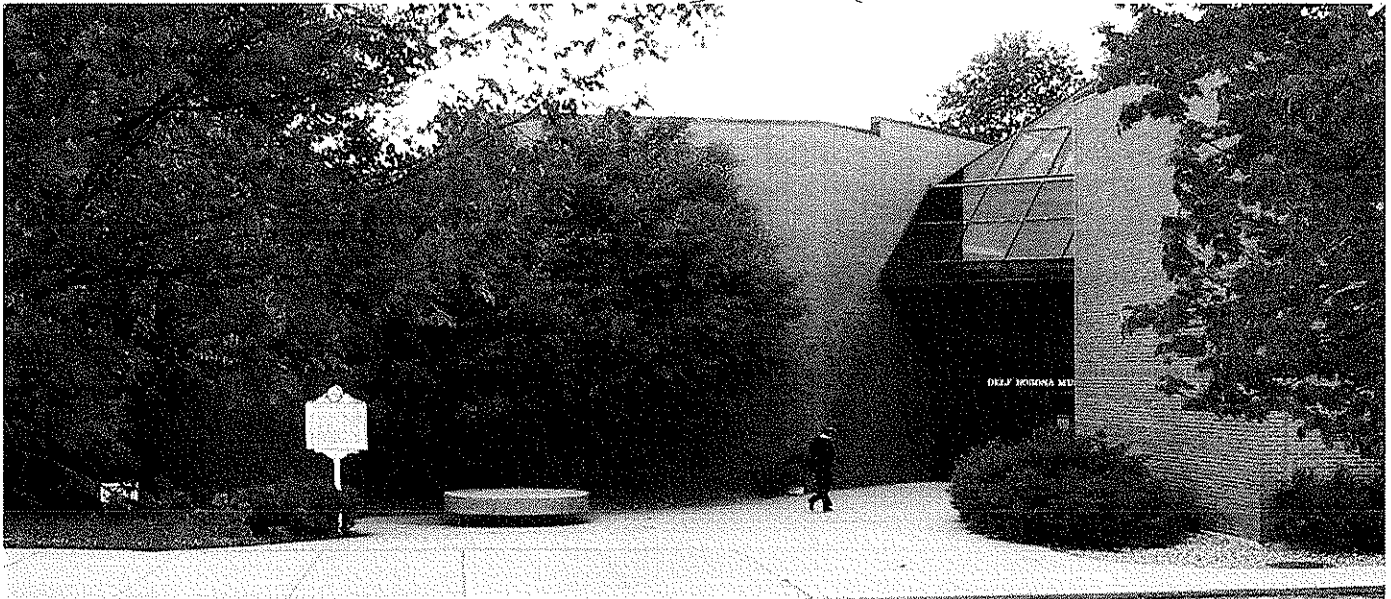
Grave Creek Mound

PROJECT HIGHLIGHTS

- Designed addition to compliment a modern 1970's structure.
- Project cost estimate was within 1% of the actual bid received.
- Worked with the State Historic Preservation Office to create a design which did not detract from the Nation's largest Indian burial mound.
- Developed a phasing sequence for the temporary isolation of contaminated collections to the ultimate full storage potential at the facility.
- Design included high density storage systems and advanced fire detection systems.



Ground Floor Plan



Existing Main Entrance



GROVE & DALL'OLIO
ARCHITECTS^{PLLC}

218 West King Street
Martinsburg, West Virginia 25401
304-267-2120 • GDAaia.com

U.S. Federal Building Renovation & Adaptive Reuse

Martinsburg, West Virginia

CLIENT

General Services Administration 1999

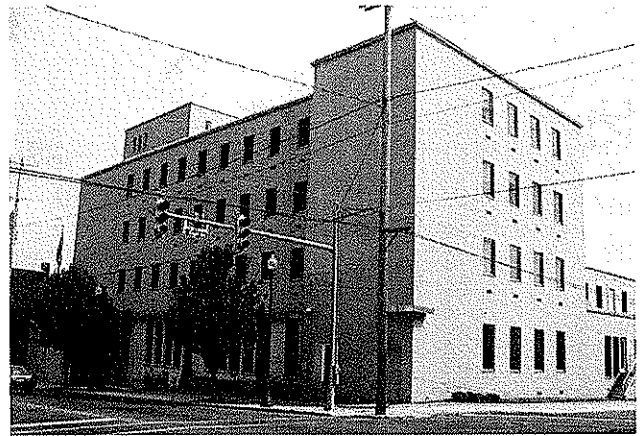
DESCRIPTION

GDA was engaged by GSA in the redesign on all four floors of the Martinsburg Federal Building which included two courtrooms, US Probations Office Suite, US District Clerks Office Suite, offices for US Senator John D. Rockefeller IV, and Construction Observation of Judge Broadwater's chambers and the office suite of the US Prosecuting Attorney.

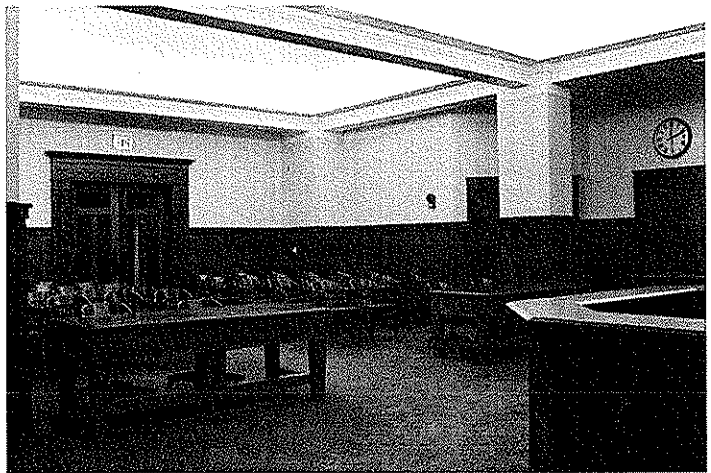
PROJECT HIGHLIGHTS

- Aggressive time schedules
- Design of a plaster frieze engraved with a quotation from JFK
- Design allows for future expansion of cabling and connections.
- Project requires close interface with U.S. Marshall Service, Court Security, and Clerk's Office.
- Custom designed benches & furniture.
- Selection of finishes and fixtures.

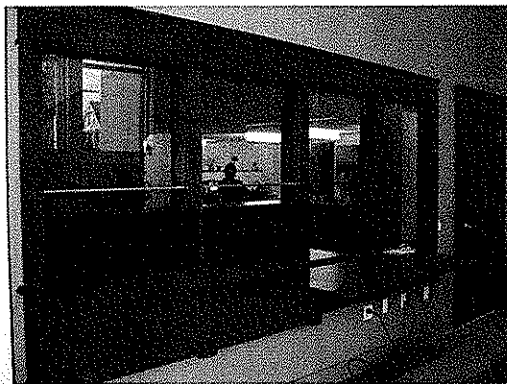
Detail of GDA designed spectator bench



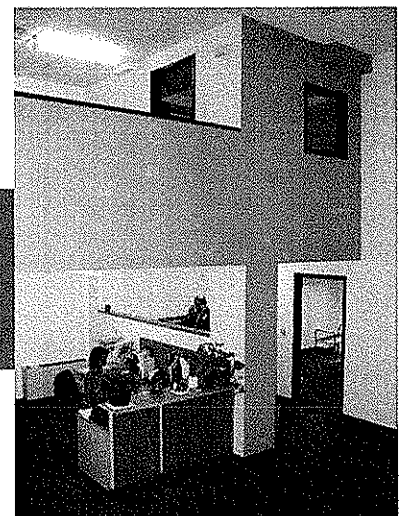
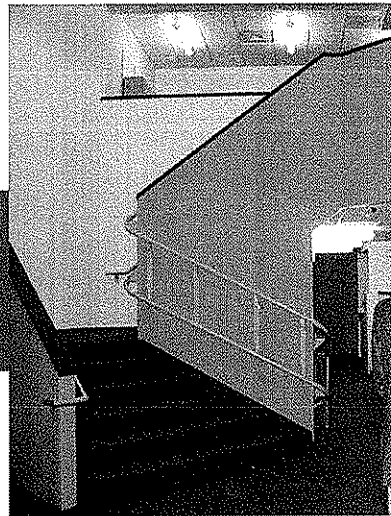
US Federal Courthouse



Magistrate Courtroom



US Court Clerk Suite Help Window



US Court Clerk Suite



GROVE & DALL'OLIO
ARCHITECTS^{PLLC}

218 West King Street
Martinsburg, West Virginia 25401
304-267-2120 • GDAaia.com

Comfort Design, Inc.
Mechanical – Electrical - Plumbing Designs
620 Pennsylvania Ave.
Winchester, Virginia 22601

Comfort Design, Inc. is a local small-business mechanical and electrical engineering design firm specializing in heating, air conditioning, plumbing and electrical for residential, commercial, public and industrial facilities. Comfort Design was incorporated as a completely separate business in 1995, to better serve the mechanical, plumbing and electrical design needs of the local industry. Comfort Design, Inc. has full mechanical and electrical design liability coverage from a local insurance agent. Copies and certification of coverage limits will be provided for any project requirements. Professional Engineer licenses cover Virginia, Maryland, Pennsylvania, Connecticut, Massachusetts, New Jersey, New Hampshire, Florida, Delaware, Arkansas and West Virginia.

Comfort Design, Inc. is fully automated to prepare electronic design drawings, which are compatible with AutoCAD Version 2009. Specification documents can be prepared on many of the new word processing programs (Microsoft Word, WordPerfect, Works, etc.).

The following is a **partial** listing of projects and clients which mechanical and/or electrical engineering designs have been provided in the past years:

- Veterans of Foreign War Building, Winchester, VA
- Shawnee Fire & Bingo Hall w/ Sleeping Facility, Winchester, VA
- Millwood Fire & Rescue Hall, Winchester, VA
- Winchester-Frederick County Chapter of the American Red Cross, VA
- Pedestrian Bridge between Caperton Station & Train Roundhouse, Martinsburg, WV
- Roundhouse Authority Addition to the Bridge & Machine Shop, Martinsburg, WV
- Shenandoah Valley Discovery Museum, Winchester, VA, **Platinum LEED** (design)
- John S. Mosby Museum Renovation, Warrenton, VA
- Loy Cultural Center Addition, Romney, WV
- Tuscan Ridge at Canaan Lodge, Davis WV
- Calcagnini Retreat, Clarke County, Virginia
- Essroc Administration Building w/ cafeteria & kitchen, Martinsburg, WV (under constr.)
- Bolivar-Harpers Ferry Public Library, Harpers Ferry, WV
- Lucy School, Middletown, MD, LEED certification
- Hilton Garden Inn (HGI), Suffolk, VA
- Atlantic Sands Conversion to HGI w/ restaurant & kitchen, Virginia Beach, VA (design)
- George Washington Historic Hotel Renovation w/ restaurant & kitchen, Winchester, VA
- CDA Spirituality Center, Frederick County, VA
- Hampton Inn, Inwood, WV
- Tulane Hotel, Winchester, VA.
- Comfort Suites, Frederick County, VA
- La Quinta Inn & Comfort Suites Pool & Banquet Facility, Frederick County, VA
- Westminister-Canterbury Assisted Living Facility, Winchester, VA.
- Westminister Canterbury Elderly Facilities Renovation, Winchester, VA.
- 82 Apartment Complex, Ashland, VA.
- Timber Ridge Gymnasium, Frederick County, VA

- Daly Brooke Computer Training Center, Fairfax, VA
- Virginia Brewing Co., Winchester, VA
- Valley Emergency Vet Center, Winchester, VA
- Chelmsford Animal Hospital, Chelmsford, MA
- Veterinarian Orthopedics & Sports Medicine, Annapolis Junction, MD
- West Orange Animal Hospital, West Orange, NJ
- Rubbermaid Commercial Shipping Ventilation, Winchester, VA
- Phoenix Color Plant-Compressor Room Ventilation, Hagerstown, MD
- Los Potrillo's Resturant, Front Royal, VA
- Itchiban Resturant, Winchester, VA (design only)
- Jefferson County Public School Renovations, Charles Town, WV
- Ranson Elementary Public School Renovations, Charles Town, WV

As can be seen above, our projects cover a wide variety of specialized facilities and designs. American Disabilities Act, LEED criteria, energy efficiency, maintenance and life cycle costs are a normal part of our designs. By working many years in the local communities (Winchester, Martinsburg, Hagerstown, Warrenton, Manassas, Fairfax, and Front Royal), we have an excellent understanding of local codes and ordinances, and work very closely with local code authorities. Enclosed is the resume of the Senior Electrical Engineer, Mr. Michael Howell, P.E., and myself as the Senior Mechanical Engineer for Comfort Design, Inc. The company has two more Professionally Licensed Mechanical Engineers, a part-time mechanical engineering technician, and a part-time electrical engineering technician.

We look forward to working with you on forthcoming projects. If you have any questions, please give us a call.

Sincerely,



Roger L. Catlett, P.E.
President, Senior Mechanical Engineer
Comfort Design, Inc.
620 Pennsylvania Drive
Winchester, VA 22601
Phone: (540) 665-2846

Comfort Design, inc.

Mechanical - Electrical Design

RESUME

Name: Roger L. Catlett, P.E.
Address: 365 Mule Skinner Lane
Martinsburg, WV 25405

Phone: (540) 665-2846. Company: Comfort Design, Inc., 620 Pennsylvania Ave., Winchester, VA 22601

Experience:

I am the President/Senior Mechanical Engineer for Comfort Design, Inc., Winchester, VA. I have provided mechanical engineer designs (heating, air conditioning, plumbing, compressed air systems, high temperature oil systems, low/high pressure steam systems, radiant floor, geothermal heat pump systems, passive solar) for architects, owners (churches, offices, residential, stores), manufacturing companies (Mobil, Trex, O-Sullivan, Rubbermaid, Rich Products, Midwesco, Rehrig International), school administrations (Winchester-Frederick County Area Schools), mechanical contractors and builders in the Virginia, Maryland and West Virginia areas. I have worked with historic renovation contractors (e.g. Mark M. Newland & Co.). Over 10 years experience in HVAC and plumbing designs for university and educational facilities. I have been a mechanical engineer for over 30 years.

My current experience includes 18 years with the Army Corps of Engineers with previous assignments as Chief of the Mechanical and Electrical Design Division, Senior Design Manager for large central utility plants/systems (chilled water, potable water, waste treatment, electrical, HVAC, etc.) for military bases and I was senior in-country Mechanical Engineer in Saudi Arabia for 3 years from 9/83 to 8/86, resolving mechanical design problems with residential/industrial/military facilities.

From 5/77 to 3/81, I served as the Chief of the Facilities Engineering Branch for the Defense Fuel Supply Center, Alexandria, VA and prepared designs to meet EPA and OSHA regulations for Government fuel storage terminals.

Education:

- Bachelor of Science Mechanical Engineering, West Virginia University, Morgantown, WV, May 1971.
- Master of Engineering Industrial Engineering, Texas A&M University, College Station, TX, May 1973.

Active Registration:

- Professional Engineer Virginia License 10537; West Virginia License 7546 & Arkansas PE 12311
- Professional Engineer Maryland License 21575, Massachusetts License 43252 & Michigan 6201053472.
- Professional Engineer Pennsylvania License PE061360 & New Jersey P.E. License 24GE04397900.
- Professional Engineer Florida License 60346, New Hampshire License 11474 & Delaware 13999.
- Professional Engineer Connecticut License 25585
- Certified Heat Pump Technician, Refrigeration Service Engineers Society (RSES) Certificate #94110074
- Certified Universal Technician per 40 CFR part 82, subpart F, Proper Refrigerant Services, RSES Certificate #069400027.
- Master HVAC-Gas Fitter and Master Plumber Certified Card No. 2710 017036, Dept of Professional & Occupational Regulation, Richmond Virginia.

Professional Affiliations:

- American Society of Heating, Refrigerating, & Air Conditioning Engineers (ASHRAE)
- American Society of Plumbing Engineers (ASPE)
- Pi-Tau-Sigma, National Honorary Mechanical Eng. Fraternity, 10/20/70.
- Alpha-Pi-Mu, Industrial Engineering Honor Society, 2/28

RESUME

PERSONAL DATA:

Michael F. Howell, P.E.

EDUCATION:

- ⌘ Bachelor of Science, Electrical Engineering, Brigham Young University, 1971
- ⌘ Master of Science of Administration, George Washington University, 1978
- ⌘ Master of Public Administration, University of Virginia, 1985
- ⌘ Numerous U.S. Army Corps of Engineers Technical and Management courses.

EXPERIENCE:

- ⌘ *April 1995 - Present:*

Principle and Senior Electrical Engineer, Comfort Design, Inc. Winchester, VA. Prepare electrical power and lighting designs, drawings, and specifications for industrial, commercial, institutional, and housing facilities. Projects successfully completed include Jouan Inc, Bering Truck, World-Wide Automotive, Pen-Tab Industries, Walden Foods, Quality Tire, Oak Springs Apartments, Hampton Inn, Westminster-Canterbury Kitchen and Dining expansion, Westminster-Canterbury Assisted Living Facility, Middleburg Bank, Blue Ridge Bank of Inwood, Berryville Medical Office Building, Interbank Call Centers, Powhatan School Classroom Building, Winchester Medical Center Business Offices, Winchester Church of God Adult Home, Leesburg, VA and others.

- ⌘ *March 1989 - Present:*

Chief, Electrical Division, Transatlantic Programs Center, U.S. Army Corps of Engineers. Responsible for the work of seven electrical engineers and three engineering technicians. Provide design guidance, resolve technical issues, and assure quality of design for large, multi-facility, multi-hundred million dollar international construction programs. Broad range of experience in power distribution and utilization, exterior and interior lighting, security systems, fire alarm systems, telephone systems, data communication systems, etc.

- ⌘ *Jun 1985 - March 1989:*

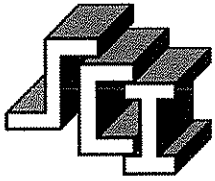
Senior Electrical Engineer. Prepared original design and reviewed work of other engineers for a wide variety of industrial, institutional, and military facilities. Technical coordinator for the electrical requirements for the Voice of America international modernization program.

- ⌘ *July 1971 - Jun 1985:*

Journeyman electrical engineer for U.S. Army Corps of Engineers; Graduate student at University of Virginia; Engineering design project manager, U.S. Army Corps of Engineers; Project Manager for Naval Facilities Engineering Command; Electrical Engineer for construction office at U.S. Naval Academy; Electrical Design Engineer for Naval Facilities Engineering Command.

PROFESSIONAL REGISTRATION:

- ⌘ Registered Professional Engineer, Commonwealth of Virginia, 1976 to present.



STRUCTURAL
CONCEPTS, INC.

STRUCTURAL ENGINEERING
INVESTIGATIONS
BUILDING INSPECTIONS

Structural Concepts, Inc.

Giving Dreams Strong Foundations

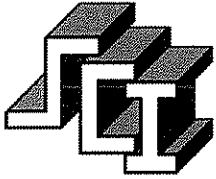
Company Introduction

Structural Concepts, Inc. was formed in 1988 to service the needs of Architects, Developers, and Builders of the Northern Virginia, Washington, DC, Maryland, and Northern Shenandoah Valley areas. Our goal is to provide efficient and high quality structural engineering, contract documents, and inspection services to meet the needs of a rapidly expanding community.

SCI is headquartered in Winchester, Virginia. The president of **SCI** is a graduate of Virginia Polytechnic Institute and State University in Blacksburg, Virginia. Mr. Fox has an encompassing field of structural engineering experience. He has worked on projects such as the 20 level, Courtland Complex in Arlington, Virginia. The members of **SCI** are familiar with structural design and detailing of a wide range of building types.

At **SCI**, we have extensive experience in the design of office buildings, multi-family residential, elderly housing, one and two family residential, parking structures, schools, warehouses, government, manufacturing and industrial facilities. **SCI** has provided design and consulting structural engineering services on many structural rehabilitation and renovation projects. Our experience in the design of many structural systems includes concrete, flat plate concrete, steel, composite steel, masonry, timber, prestressed concrete, and post tensioned concrete. We have ample experience with the design of precast / prestressed concrete, including architectural precast cladding. **SCI** has worked as a secondary consultant as well as part of design / build construction teams.

The resumes of our key personnel and a partial list of projects have been enclosed for your review. We look forward to the opportunity to serve your firm.



JODY ALLEN FOX, P.E.

**President
Structural Concepts, Inc.**



Fields of Experience

Mr. Fox has twenty-six years experience in structural design, engineering management, cost estimating, structural inspections, and evaluation and remedial design of structural deficiencies. Mr. Fox is experienced in the design of many structural systems including concrete, steel, masonry, timber, prestressed concrete and tilt-up concrete construction. Mr. Fox is familiar with working as a secondary consultant as well as part of a design/build construction team.

Work History

Structural Concepts, Inc.
Winchester, Virginia
President
December 1988 to present

Blue Ridge Design, Inc.
Winchester, Virginia
Project Engineer
November 1986 to December 1988

Cad Con, Inc.
Fairfax, Virginia
Project Designer
December 1985 to November 1986

Meyer Associates, PC.
Rockville, Maryland
Engineer In Training
September 1983 to December 1985

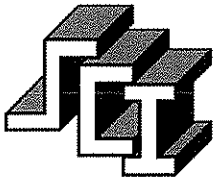
Jorss Iron Works
Arlington, Virginia
Estimator
September 1982 to September 1983

Education

Bachelor of Science, Civil Engineering, June 1982
Virginia Polytechnic Institute and State University
Blacksburg, Virginia

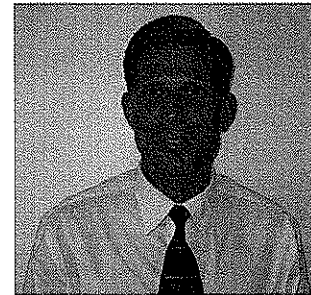
Professional Registration

Virginia #18172 West Virginia #10560 Maryland #16614
District of Columbia #9111 Pennsylvania #PE-040089-R



HANS STAMBERG, P.E.

**Principal
Structural Concepts, Inc.**



Fields of Experience

Mr. Stamberg is experienced in structural design and drafting utilizing AutoCAD. He is certified as a Professional Engineer. His experience in design of building systems includes the materials steel, concrete, masonry and wood. Mr. Stamberg is familiar with working as a secondary consultant as well as part of a design/build construction team.

Work History

Structural Concepts, Inc.
Winchester, Virginia
Professional Engineer
January 2005 - present

Holbert Apple Associates, Inc.
Olney, Maryland
Engineer in Training
June 2002 - January 2005

Virginia Vermiculite
Louisa, Virginia
Plant Engineer
July 2000 - June 2002

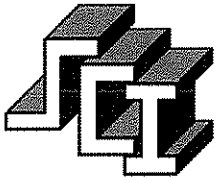
Education

Masters of Science, Structural Engineering, May 2000
University of Connecticut
Storrs, Connecticut

Bachelor of Science, Civil Engineering, May 1998
University of Maryland
College Park, Maryland

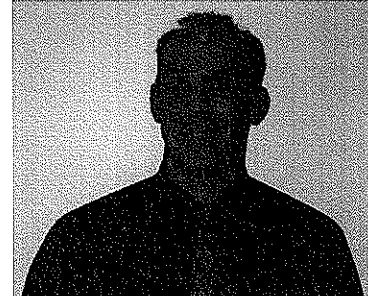
Professional Registration

Virginia #062614



JEFFREY CARL LAYMAN

**Project Engineer
Structural Concepts, Inc.**



Fields of Experience

Mr. Layman is experienced in the structural and hydraulic branches of civil engineering. His experience in design of building systems includes the materials steel, concrete, masonry and wood. Mr. Layman's communication skills include the Spanish language. Mr. Layman is familiar with working as a secondary consultant as well as part of a design/build construction team.

Work History

Structural Concepts, Inc.

Winchester, Virginia
Staff Engineer
May 1996 - November 1999,
June 2003 to present

U.S. Peace Corps

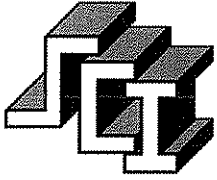
Honduras, Central America
Water and Sanitation Engineer
February 2000 - May 2003

American Electric Power

Columbus, OH
Intern
August 1992 to August 1994

Education

Bachelor of Science, Civil Engineering, May 1995
Virginia Polytechnic Institute and State University
Blacksburg, Virginia



MICHAEL PAUL ROMESBURG, E.I.T.

**Project Engineer
Structural Concepts, Inc.**

Fields of Experience

Mr. Romesburg has knowledge and experience with the structural, mechanical, and electrical systems of buildings. He also has practice in inspection and design for rehabilitation purposes and construction management. His emphasis in design of structural systems includes the materials steel, concrete, composites and wood. Mr. Romesburg is familiar with working as a secondary consultant as well as part of a design/build construction team.

Work History

Structural Concepts, Inc.
Winchester, Virginia
Engineer in Training
April 2004 – present

Structural Design Group
Gaithersburg, Maryland
Assistant Rehabilitation Engineer
May 2003 – August 2003

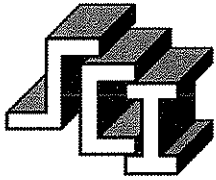
Smislova, Kehnemui & Associates, P.A.
Rockville, Maryland
Intern
May 2002 – August 2002

Foreman Architects Engineers, Inc.
Zelienople, Pennsylvania
Intern
May 2001 – August 2001

Pennsylvania D.O.T.
Uniontown, Pennsylvania
Road and Drainage Inspector
June 1999 – August 2000

Education

Bachelor of Architectural Engineering, Structural Engineering, December 2003
The Pennsylvania State University
University Park, Pennsylvania



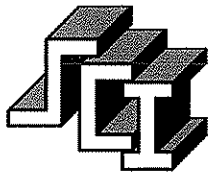
Professional Organizations and Continuing Education

The members of **Structural Concepts, Inc.** are affiliated with the following professional organizations:

- **American Society of Civil Engineers**
- **American Institute of Steel Construction**
- **American Concrete Institute**

The engineers of **Structural Concepts, Inc.** are actively involved in continuing education. Topics of recently attended seminars are:

- **Concrete from the Ground Up**
- **Design of Timber Structures**
- **Selecting Structural Steel Systems**
- **Structural Welding: Design and Specification**
- **NPDES Compliance**
- **Operating a Consulting Firm**
- **VSEC Practical Design for Earthquake and Vibrations**
- **Karst Topography**
- **Tilt-Up Concrete**
- **Building Codes and Wood Design**
- **Designing with National Design Specification (NDS) for Wood Construction**
- **Shear Walls & Diaphragms**
- **Designing with Wood Trusses**
- **LRFD for Engineered Wood Construction**
- **AISC Essentials of Steel Design Economy**
- **AISC Bracing of Steel Structures**
- **FEMA: Project Impact, Wind and Earthquake Design**
- **Behavior & Design of Structural Steel Members**
- **Concrete Technology**
- **Fundamentals of Steel Connection Design**
- **Industrial Floor Slabs on Ground**
- **Light Steel Framing and the Structural Engineer**
- **Practical Steel Design, 2-20 stories**



DESCRIPTION OF SIMILAR PROJECTS DESIGNED BY SCI:

**Representative Office Building Projects of
Structural Concepts, Inc.**

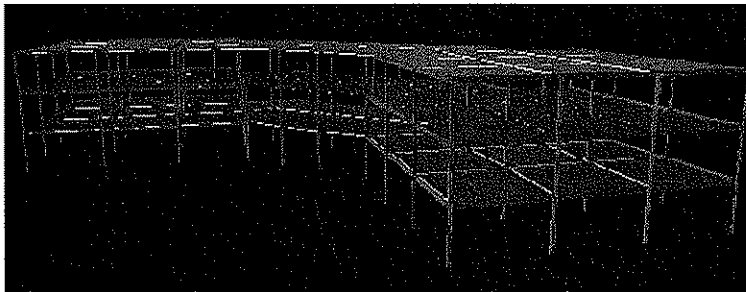
The following is a partial list of office building projects that have been successfully designed and detailed at **Structural Concepts, Inc.** It is not a complete list but meant to show a representative cross section of our previous experience with similar projects.

American Homes Office Complex – Martinsburg, West Virginia

SCI provided structural design and prepared structural drawings for the 40,000 square feet, 3 story steel framed office building. The floors are framed with composite steel floor beams and girders. The roof is framed with steel joists on steel girders. The exterior is brick veneer and EIFS on light gage steel stud framing. The lateral loads for the building are resisted by concentric braced steel frames in one direction and steel moment frames in the other.

CMDS Headquarters - Harrisonburg, Virginia

SCI provided structural design and prepared structural drawings for the 45,000 square feet, 3 story steel framed office building. The floors are framed with composite steel floor beams and girders. The roof is framed with steel joists on steel girders. The exterior is brick veneer supported on steel relief angle structure. The lateral loads for the building are resisted by steel moment frames.

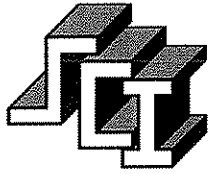


Tackley Mill Center, Building 4 – Ranson, West Virginia

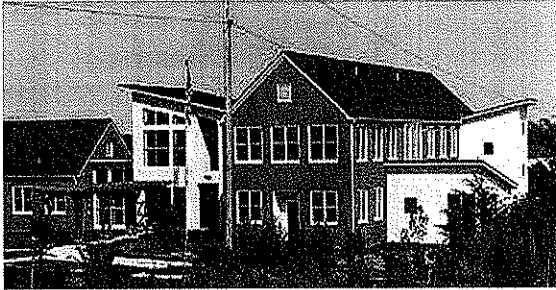
SCI provided structural design and prepared structural drawings for the 28,000 square feet, 3 story steel framed office building. The floors are framed with composite steel floor beams and girders. The roof is framed with steel joists on steel girders. The exterior is brick veneer and EIFS on light gage steel stud framing. The lateral loads for the building are resisted by concentric braced steel frames in one direction and steel moment frames in the other.

Valley Farm Credit Building – Winchester, Virginia

SCI prepared structural design and construction documents for the original building



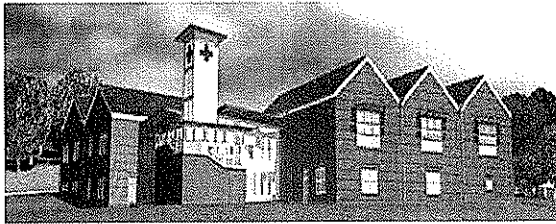
consisting of approximately 16,000 square feet. The original building, a two story wood framed office building was constructed in 2000. SCI has also provided structural design and prepared structural drawings for the Phase I and Phase II additions which are currently under construction. The Phase I addition consists of a single story of 2000 square feet and is wood framed. The Phase II addition is a two story office building



consisting of 10,000 square feet and is wood framed. The floor structures for the buildings are a combination of wood framed and steel joists supporting a concrete floor slab. A combination of wood panel sheathed shear walls and structural steel frames were used to provide lateral bracing for the building structures.

Red Cross Building - Winchester, Virginia

SCI provided structural design for the 15,000 square feet, two story office and blood services building. Phase I of the project was completed in 2002. The second phase of the



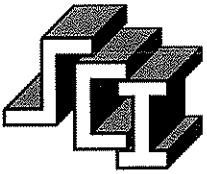
project is currently on hold while fund raising continues. The building is framed with composite steel floor construction. The roof structure is wood framed. Lateral loads are resisted by reinforced masonry shear walls.

Advince Commons - Charlottesville, Virginia

SCI provided structural design and prepared structural drawings for the construction of 50,000 square feet, two story, separate use office building and warehouse. The building is steel framed with steel joists supporting concrete slab for the floor structure and steel joists on steel joist girders for the roof structure. The lateral loads for the building are resisted by concentrically braced steel frames.

United States Embassy - Vilnius, Lithuania

SCI prepared structural design and structural drawings for a two story 8,000 square feet blast resistant concrete frame structural addition to the existing structure. SCI also prepared structural design and drawings for modifications and reinforcement of the existing masonry and concrete structure. The floor and roof slabs for the project were two way concrete flat slab construction. The lateral loads are resisted by reinforced concrete shear walls.



Representative Public Building Projects of Structural Concepts, Inc.

The following is a partial list of public building projects that have been successfully designed and detailed at **Structural Concepts, Inc.** It is not a complete list but meant to show a representative cross section of our previous experience with similar projects.

United States Embassy - Vilnius, Lithuania

The project included the structural design of an 8,000 square feet blast resistant concrete frame structural addition to the existing building, as well as a structural survey of the existing building and the structural design of modifications to the existing building. The original building was constructed in the 1930's.

United States Embassy - Riga, Latvia

The project included the structural survey of the existing building as well as structural design of modifications and renovations to the existing building structure. The original building is believed to have been constructed in the 1700's.

United States Embassy - Tallinn, Estonia

The project included the structural survey of the existing building as well as the structural design of modifications to the existing building structure. The original building is believed to have been constructed in the late 1940's or early 1950's.

Quarters 101 Renovation, USMA, West Point, New York

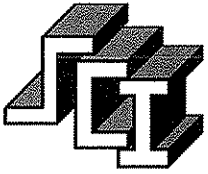
The project included the structural survey, design, and rehabilitation of, and addition to the 160-year-old United States Military Academy superintendent's residence.

Old Frederick County Courthouse, Winchester, Virginia

The original building was constructed in 1840. The building was renovated to use the lower floor, which was originally the county courthouse, as a public auditorium and meeting room. The upper level, which was used as county office space, was retrofitted for use as a museum. Extensive structural repairs were made to the deteriorating bell tower. The ceiling below the bell tower was left open to expose the structure of the bell tower above.

McMurrin Hall, Shepherd University, Shepherdstown, West Virginia

The project included the design of extensive structural repairs to the existing bell tower, which was severely deteriorated. The original building was constructed in the late 1800's.



**STRUCTURAL
CONCEPTS, INC.**

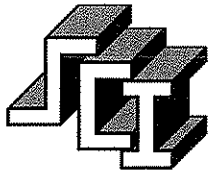
STRUCTURAL ENGINEERING
INVESTIGATIONS
BUILDING INSPECTIONS

United States Naval Academy Chapel, Annapolis, Maryland

The project included miscellaneous repairs required at floor structures and bearing walls.
The building was constructed in the late 1700's or early 1800's.

Census Bureau, Federal Office Building No. 3, Suitland, Maryland

The project included the evaluation and repair of structural damage caused by fire.



**Representative High Density Residential
Projects of
Structural Concepts, Inc.**

The following is a partial list of elderly housing, assisted living, and multi-unit residential projects that have been successfully designed and detailed at **Structural Concepts, Inc.** It is not a complete list but meant to show a representative cross section of our previous experience with similar projects.

Oak Springs Elderly Housing, Warrenton, Virginia

SCI prepared Structural design, drawings and specifications for the 76,000 square feet three story elderly housing facility. The primary structure consisted of load bearing steel wall studs, supporting steel joists with a 2-1/2" concrete slab. Reinforced masonry shear walls are used to resist lateral loads.

The Southerlands, Front Royal, Virginia

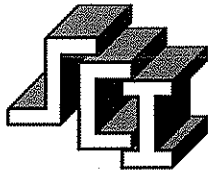
SCI prepared the structural design, drawings, and specifications for the 64,000 square feet three story elderly housing and assisted living facility. The building is framed with engineered wood products with concrete foundation walls. The lateral loads for the building are resisted with reinforced masonry shear walls

Westminster Canterbury Addition - Winchester, Virginia

SCI prepared the structural design, drawings, and specifications for the 50,000 square feet three story elderly housing addition. The addition is framed with composite steel supporting a 5" concrete deck. The lateral loads for the building are resisted using steel moment frames.

Holiday Inn Express, Stephens City, Virginia

SCI prepared structural design, drawings and specifications for the 40,000 square feet, three story hotel. The framing system is pre-cast concrete plank on masonry load bearing walls. The lateral force resisting system uses reinforced masonry shear walls.



Country Inn and Suites, Kernstown, Virginia

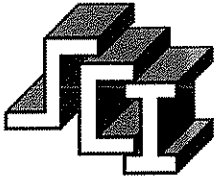
The project consists of the construction of a three-story reinforced masonry building consisting of approximately 50,000 square feet, containing 84 units, a lower level lobby, lower level enclosed pool, and a drive through canopy off of the front lobby area.. The first floor shall be slab on grade. The second and third floors shall be framed with precast concrete planks supported on load bearing masonry walls. The roof shall be framed with pre-engineered wood trusses. The lateral force resisting system is reinforced masonry shear walls. This project is currently under design. Construction is expected to begin spring of 2005.

Marriott Fairfield Inn and Suites, Winchester, Virginia

The project consisted of the construction of a three-story wood framed building consisting of approximately 43,000 square feet. There is a partial basement below the first floor. The first floor is partially slab on grade and partially wood framed floor structure. The second and third floors are framed with wood floor joists bearing on 2x6 wood stud bearing walls. The roof shall be framed with pre-engineered wood trusses. The lateral force resisting system uses wood sheathed shear walls.

Holiday Inn Express, Winchester, Virginia

The project consists of the construction of a three-story reinforced masonry building consisting of approximately 43,000 square feet. The first floor is slab on grade. The second and third floors are framed with precast concrete planks supported on load bearing masonry walls. The roof is framed with pre-engineered wood trusses. The lateral force resisting system uses reinforced masonry shear walls.



Insurance

The members of **Structural Concepts, Inc.** strive to produce clear and concise design and documents. Unfortunately, human errors sometimes occur. In our 20-year history at Structural Concepts, Inc., we have yet to have a claim filed.

Insurance - SCI presently maintains Professional Liability Insurance with an aggregate limit of \$1,000,000, a per incident limit of \$1,000,000 and a deductible of \$5000. Comprehensive General Liability Insurance and Automobile Liability Insurance with bodily injury limits of \$1,000,000 / \$1,000,000 and property damage limits of \$200,000. A certificate of insurance can be supplied evidencing such coverage which contains a clause providing that fifteen days written notice be given prior to cancellation.

Cost of the above coverage is included in our quoted fees. If additional coverage or increased limits of liability are required, **SCI** will endeavor to obtain the requested insurance and charge separately for costs associated with additional coverage or increased limits.



Firm Overview

Founded in 1997, Valley Engineering Surveying Planning (VESP) has grown from a one man operation to a full service firm. Acquiring Copper & Associates in January 2000, VESP added planning and surveying to its capabilities. In July 2001, VESP increased its market by expanding to Winchester, Virginia with the acquisition of Artz & Associates. VESP now has 45 employees in two locations providing service in Virginia, West Virginia, and other surrounding states. VESP is a certified small business.

March 2005, our firm established the Building Systems Division. The Building Systems Division provides traditional building mechanical, electrical, and plumbing systems design. This coupled with civil, structural engineering, land planning, and surveying provides our clients with a single point of contact for their engineering needs.

We work as a team with our clients to identify their needs and goals. Through schematic design, design development, and construction documents, each step of our design process is carefully communicated to the client. Our common goal is for the client to understand exactly what they should expect when their respective project is complete.

VESP believes successful projects begin with excellent planning and require interaction with the whole project team. Before beginning any design, we carefully help our client understand levels of expectation based on systems chosen and the amount of investment they are willing to make. Throughout the entire design process, we work with our clients to help them better comprehend project concepts that are both visible and hidden. We believe a better knowledge of these concepts creates increased owner awareness and satisfaction once the project is complete.

VESP's strength in our areas of expertise relies on over 150 years of combined design, construction, and installation experience. Prior to entering into the consulting business several members of the VESP design team worked for contracting firms building what we now design. This experience helps VESP develop reasonable budgets, accurate, energy efficient designs, and provides valuable insight for cost control during the design process.

We acknowledge the difficulty in selecting engineering firms. You expect creativity and technical expertise. Most firms have these attributes although many would disagree strenuously over what constitutes them. It has been our experience that clients want design firms committed to service, who genuinely listen, and who treat your work as if it were their own. We offer this service. Our philosophy is reflected in the creative and practical approach to unique problems, technical expertise, experience, history of excellent service, and principles.



Daniel K. Michael, PE

Owner, Project Manager



Education

- Bachelor of Science, Civil Engineering
- West Virginia Institute of Technology - 1989

Licensure

- Engineering - Virginia - 1996
- Engineering - Pennsylvania - 1998
- Engineering - West Virginia - 2000

Years Experience

- VESP: Started Valley Engineering in 1997 - Present
- Neff Enterprises: 1995 - 1997
- City of Harrisonburg: 1992 - 1995
- Copper & Associates: 1990 - 1992
- WV Dept. of Highways: 1986 - 1988

Professional and Community Affiliations

- American Society For Healthcare Engineering
- American Society of Civil Engineers
- National Society of Professional Engineers
- Numerous boards and committees serving the local area

Mr. Michael has extensive experience in the field of civil engineering with a majority of that time dedicated to the design of public and private infrastructure improvements and site specific improvement plans. He has designed or overseen the design and reviewed projects ranging from building additions to multi-year, multi-million dollar resort additions and expansions.

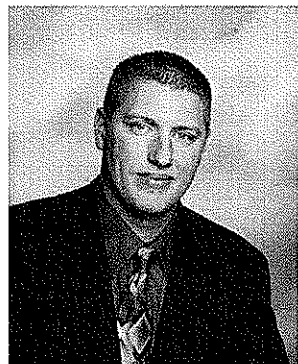
Mr. Michael ensures that the service and advice that the project team provides results in the achievement of the plans and goals of his client. He leads his team of engineers, planners, and surveyors in the mission to provide, through value engineering, constructability that produces long-term, quality solutions while at the same time saving the client time and money.

Mr. Michael's professional experience includes:

- Client and Project Management
 - Meeting with the client to discuss and understand their objectives and expectations
 - Leading the team to ensure the client's goals align with those of the design professionals
- Site Design and Related
 - Utility/Distribution Layout, Design and Analysis
 - Erosion Control and Stormwater Management Plans
 - Roadway Layout and Pavement Design
 - Site Assessments/Evaluations
 - Professional Witness
 - Grading Plans
- Floodplain Management
 - CLOMA/R and LOMA/R Preparation and Submittal
 - Floodplain Determination
 - Floodway Delineation
 - ProHEC-2 Proficient



Carl L. Snyder, PE
Director of Civil Engineering



Mr. Snyder has experience in both the private and public sectors of civil engineering. He has valuable design experience on projects ranging from single commercial lot development to large industrial facilities and large residential subdivisions. He works closely with the client, appropriate regulatory agencies, and all members of the design team to ensure a safe, quality product which meets or exceeds the client's expectations is delivered.

Mr. Snyder's professional experience includes:

Education

- o Bachelor of Science, Civil Engineering
- o Virginia Tech - 2002

Licensure

- o Engineering - Virginia - 2007
- o Engineering - West Virginia - 2008

Years Experience

- o VESP: 2004 - Present
- o Virginia Dept. of Transportation: 2001 - 2004

Professional and Community Affiliations

- o American Society of Civil Engineers
- o National Society of Professional Engineers

■ **Project Management**

- o Works closely with the client and provides project status updates
- o Project coordination with architects and other design professionals
- o Coordination with regulatory agencies to ensure a constructible product is prepared which is in compliance with all applicable standards
- o Construction Management: shop drawing review, construction observation, client and contractor project coordination meetings

■ **Land Development / Site Design**

- o Utility/Distribution Layout and Design
- o Grading Plans (Balance Cut and Fill)
- o Water System Analysis and Design
- o Pump Station Design and Analysis
- o Erosion and Sediment Control Plans
- o Stormwater Management
- o Value Engineering
- o ADA Compliance
- o Sanitary Sewer
- o Water Quality
- o Fire Coverage
- o Storm Sewer

■ **Roadway Design / Traffic Analysis**

- o Roadway Capacity / Turn-Lane Analysis
- o Vertical and Horizontal Alignment
- o Pavement Design
- o Parking Analysis



Seth O. Roderick, PE
Director of Planning and Transportation



Mr. Roderick has experience in both the private and public sectors of planning and civil engineering. He has led the design of projects ranging from single commercial lots to large residential subdivisions and from new roadway layout and design to expansive roadway upgrading and rehabilitation. His obligation is to the client, the project, the reviewing agencies, and the public at large to produce a competent, quality product that will prove to be a benefit to all.

Mr. Roderick's professional experience includes:

Education

- o Bachelor of Science, Civil Engineering
- o Virginia Tech - 2002

Licensure

- o Engineering - Virginia - 2005

Years Experience

- o VESP: 2003 - Present
- o Anderson & Associates: 2002 - 2003
- o Federal Highway Administration: 1999 - 2001

Professional and Community Affiliations

- o American Society of Civil Engineers
- o National Society of Professional Engineers

■ **Project Management**

- o Work hand-in-hand with reviewing agencies to ensure a competent product is presented in compliance with all applicable standards
- o Set and meet realistic budget/time constraints
- o Work closely with the client to properly serve their needs and keep them informed
- o Assist client in negotiations with approving authorities with regard to requested off-site improvements, etc.

■ **Transportation Engineering**

- o Traffic Impact Analyses (TIAs)
- o Roadway Design/Construction Plans
- o Pavement Design
- o Traffic Signal Warrant Analyses
- o Signal Installation Plans
- o Roadway Signage and Striping Plans

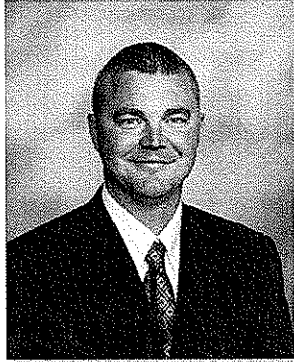
■ **Land Planning / Site Design**

- o Rezoning
- o Special Use Permits
- o Comprehensive Plan Amendments
- o Site Layouts
- o Preliminary Grading Plans
- o Value Engineering



Jeffrey W. Hawk, PE

Project Engineer



Mr. Hawk is responsible for plan development and design for residential, commercial, and business sites. He manages projects from conception to completion. He specializes in engineering design and analysis, cost estimates, and the design of public and private infrastructure.

Mr. Hawk's design experience includes:

Education

- o Bachelor of Science, Civil Engineering
- o Fairmont State College - 2000

Licensure

- o Engineering - West Virginia - 2009

Years Experience

- o VESP: 2000 - Present

Professional and Community Affiliations

- o American Society of Civil Engineers

■ Project Management

- o Works closely with the Client and provides updates of project status
- o Project coordination with architects and other design professionals
- o Coordination with regulatory agencies to ensure a feasible design is provided which is in compliance with all applicable standards
- o Construction Management: shop drawing review, construction observation, client and contractor project coordination meetings

■ Land Development / Site Design

- o Utility/Distribution Layout and Design
- o Grading Plans (Balance Cut and Fill)
- o Water System Analysis and Design
- o Pump Station Design and Analysis
- o Erosion and Sediment Control Plans
- o Stormwater Management
- o Value Engineering
- o ADA Compliance
- o Sanitary Sewer
- o Water Quality
- o Fire Coverage
- o Storm Sewer

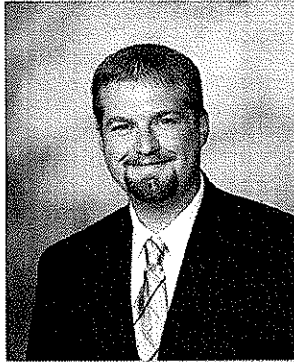
■ Roadway Design / Traffic Analysis

- o Roadway Capacity / Turn-Lane Analysis
- o Vertical and Horizontal Alignment
- o Pavement Design
- o Parking Analysis
- o Public Safety



Bradley S. Riggleman, PE

Project Engineer



Education

- Bachelor of Science, Civil Engineering
- West Virginia Institute of Technology - 2001

Licensure

- Engineering - West Virginia - 2006
- Engineering - Virginia - 2007

Years Experience

- VESP: 2007 - Present
- West Virginia Division of Highways: 2002 - 2007
- West Virginia Division of Highways (Co-Op): 1998 - 2001

Mr. Riggleman has experience in both the private and public sectors of civil and transportation engineering. His experience in the public sector has qualified him to work closely with approving agencies in order to assure timely approvals and quick resolutions to design issues. He has contributed to the design process of many projects ranging from small residential subdivisions to large hospital campuses. Mr. Riggleman has also been involved in numerous traffic related projects, such as traffic impact analyses and traffic signalization plans. He works closely with the client and reviewing agencies for a greater understanding of project goals and to assure that the safety and well being of the general public is always the first priority. He strives to produce a quality design that successfully meets all project goals within monetary and budgetary restraints.

Mr. Riggleman's professional experience includes:

- Project Management
 - Work alongside reviewing agencies to ensure a suitable design that is in compliance with all applicable standards
 - Works closely with clients to keep them informed of project progress every step of the way
 - Organize and direct flow so that deadlines and budgets are met
- Transportation Engineering
 - Traffic Impact Analyses (TIAs)
 - Roadway Design/Construction Plans
 - Sequence of Construction Plans for Roadway Projects
 - Intersection Signalization Plans
 - Signage and Striping Plans
- Land Planning / Site Design
 - Rezoning
 - Site Layouts
 - Preliminary Grading Plans
 - Erosion and Sediment Control Plans
 - Value Engineering



Relevant Projects

Project Dates:

1990 - Current

Reference:

Mr. Bill Neff
Neff Enterprises
350 University Blvd.
Harrisonburg, VA
22801
540-434-9593

Project Manager:

Daniel K. Michael, PE



Valley Mall
Commercial Park
Harrisonburg, VA

This design/build project consisted of 195 acres located in and around the Valley Mall and extending southward to the limits of James Madison University CISAT Campus. The staff at Valley Engineering Surveying and Planning provided the Planning, Surveying and Engineering associated with the development of approximately 15,000 lf of roadway, roughly 30,000 lf of water distribution and sanitary sewer mains, regional stormwater management facilities and all associated surveying. Upon completion of the overall infrastructure for the area, we completed construction documents and surveying plats for individual site development projects ranging from small 1 acre commercial sites to the roughly 12 acre Costco Facility.





Relevant Projects

Project Dates:

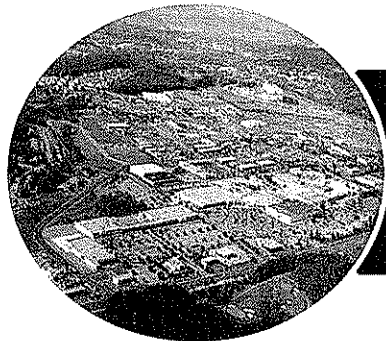
2004 - 2006

Reference:

Mr. William McPhail
406-868-9035

Project Manager:

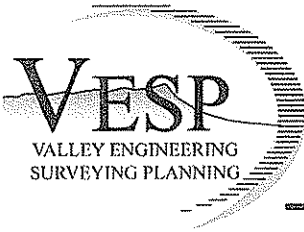
Carl L. Snyder, PE



White Wave
Mt. Crawford, VA

This design/build project included 47± acres associated with expansion of an existing manufacturing facility used in the dairy industry. Design was provided for approximately 225,000 SF of building expansions, a wastewater treatment plant, and nearly 14,000 feet of utility lines. Engineering included: roadway alignment, pavement design, traffic turn-lane analysis, site grading, utility routing, storm water management, erosion and sediment control design. \$90+ million plus project.





Relevant Projects

Project Dates:

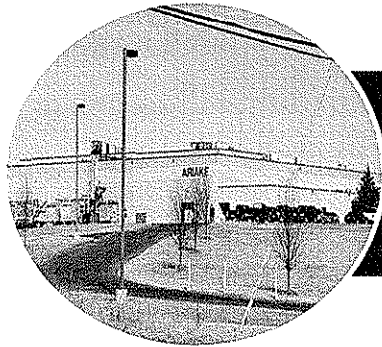
2007 - Current

Reference:

Mr. Dale Cupp
Miller Cupp
1951 Evelyn Byrd
Avenue
Harrisonburg, VA
22801
540-434-6044

Project Manager:

Carl L. Snyder, PE



Ariake
Harrisonburg, VA

This design/build project included 9+/- acres associated with the expansion of an existing manufacturing facility used in the food processing industry. Design was provided for approximately 72,000 sf of building expansions. Engineering included: Roadway Alignment, Pavement Design, Site Grading, Utility Routing, Stormwater Management, Erosion and Sediment Control Design, Parking Lot Design, and Pump Station Design. Ongoing.





Relevant Projects

Project Dates:

2004 - Current

Reference:

Mr. Mark Baker
Valley Health
460 Amherst St.
Winchester, VA
22801
540-536-4543

Project Manager:

Daniel K. Michael, PE



Valley Health
Winchester Medical Center
Winchester, VA

Winchester Medical Center Support Services Facility

Civil engineering design which included coordination with other design professionals and client representation at meetings with local governing agencies; transformation of approved concept plan into constructible design; complete site design including parking, pedestrian, and traffic analysis, pavement design; utility main extensions with design and analysis; erosion control; emergency access plan; floodplain analysis and LOMR submittal with ultimate approval. VESP was brought into this project late and was under considerable time constraints. We met the expectations and deadlines placed upon us by the client and kept the project on schedule. 111,155 SF, \$17 million shell project, 2005.

Winchester Medical Center Wellness Center

Civil engineering design which included coordination with other design professionals and client representation at meetings with local governing agencies; transformation of approved concept plan into constructible design; complete site design including parking, pedestrian, and traffic analysis, pavement design; utility main extensions with design and analysis; erosion control; emergency access plan. As with any project, site costs were a limiting factor. Due to substantial amounts of excess cut, the project site costs exceeded budget figures. Due to our extensive knowledge of the campus and future development plans, we have been able to reduce hauling costs for this project and provide material which would have been required on a future construction project. 35,330 SF, initial budget \$13.5 million, ongoing.



Relevant Projects

Valley Health
Winchester Medical Center
Winchester, VA

Project Dates:

2004 - Current

Reference:

Mr. Mark Baker
Valley Health
460 Amherst St.
Winchester, VA
22801
540-536-4543

Project Manager:

Daniel K. Michael, PE



Winchester Medical Center East Garage

As Winchester Medical Center continues to expand, on-campus parking facilities find that their demand is exceeding their capacity. WMC hired Valley Engineering Surveying Planning to analyze their existing parking facilities for adequacy, and then prepare a detailed list of recommendations for the campus's future growth and ability to meet parking needs. Part of VESP's recommendation was the construction of a new five-story parking garage, one with a capacity of 561 spaces, with the ability to achieve future expansion. VESP provided all necessary site and utility surveying and design for this structure, and also led efforts on parcel rezoning and boundary line vacations necessary for the structure to avoid setback violations. Construction is set to begin in early 2009.

Winchester Medical Center Sewer Upgrades

Development of plans to upgrade existing sewer mains from 8" to 12". Sewer metering was performed followed by a detailed analysis evaluating the capacity of downstream facilities. Analysis concluded that upgrades were necessary for future expansion projects. With service interruption impossible, the project included the use of bypass pumps to ensure continuous operation of the existing sewer main. Issues such as rock excavation and overall disturbance were overcome by same-trench replacement. Project consisted of ±3,125 LF of upgrades. Total anticipated project cost \$800,000.



Project Dates:

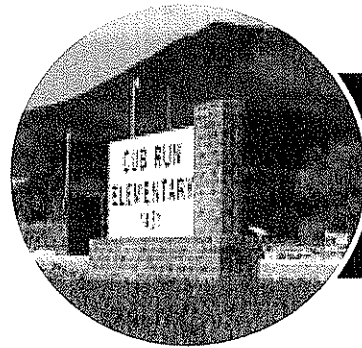
2006 - 2008

Reference:

Mr. Steven Reid
Rockingham County
School Board
540-434-4434

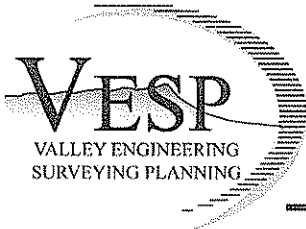
Project Manager:

Carl L. Snyder, PE



Cub Run Elementary
School
Penn Laird, VA

When the Rockingham County School Board decided a new elementary school was necessary, Valley Engineering Surveying Planning was contracted as part of their design team. Duties performed by VESP centered on the preparation of construction documents for the new school building, associated recreational areas, and related infrastructure, including bus parking and loading zones. An existing recreational facility was redesigned to allow for handicap accessibility. Grading was provided for a playfield, ideal for soccer and kickball. Topography and adjacent site limitations required the use of several retaining walls, with one reaching 18 feet at its highest point. Drainage obstacles were surmounted through the design of an aboveground / underground (combo) detention facility, which provides flood protection to downstream properties and addresses water quality issues. Sanitary Sewer was vigilantly designed to ensure proper flow characteristics. Access was provided by improving 1,175 feet of the adjacent State Route, in order to meet current design criteria. Other engineering included the design of more than three acres of parking lots and drives, pavement sections, storm sewer, water main extensions and supply, and erosion and sediment control. Construction management was also provided to ensure compliance with all associated regulatory agencies. During construction, shop drawings were reviewed and value engineered with contractor to reduce construction costs. Size - 102,000 SF, Cost - \$16.5 million. Architect - Moseley Architects.



Relevant Projects

Project Dates:

2006 - 2008

Reference:

Mr. Steven Reid
Rockingham County
School Board
540-434-4434



Skyline Middle &
Smithland Elementary
School
Harrisonburg, VA

Project Manager:

Carl L. Snyder, PE



As part of the City's of Harrisonburg's contracted design team, Valley Engineering Surveying Planning helped develop construction documents for a new elementary and middle school (combined), including associated recreational areas and related infrastructure. Drainage and grading plans were provided for the creation of three basketball courts, a softball field, a 165'x300' ft playfield, and a football field with encompassing track. Bus loading and unloading zones were designed to segregate passenger vehicles from bus lanes, and provide safe passage for pedestrian school children. Elevations and locations of buildings, parking lots, roadways, entrances, utilities, and detention basins were coordinated with other plans for a future public roadway. Engineering also included the design of 4,531 feet of roadway, nearly three acres of parking area, pavement sections, storm sewer, water mains, sanitary sewer, storm water management, erosion control, and water quality basins. Construction management was also provided to ensure compliance with all associated regulatory agencies. During construction, shop drawings were reviewed and value engineered with contractor to reduce construction costs. Size - 160,000 SF, Cost - \$33.5 million. Architect - Moseley Architects.



L

&

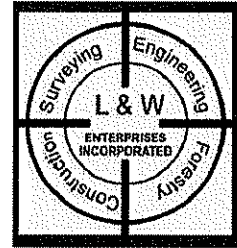
W

L&W Enterprises, Inc.

Surveying
Engineering
Construction
Forestry

Charles "Kirk" Wilson, PE, President
CDR, CEC, USN (Ret)

PO Box 826
Petersburg, WV 26847
304-257-4818



Education:

Bachelor of Science, Civil Engineering, West Virginia University – January 1985
Masters of Engineering, Environmental Engineering, Penn State University – 1991
Various DOD Acquisition University course work

Licensure:

WV Professional Engineer # 12483

Certifications:

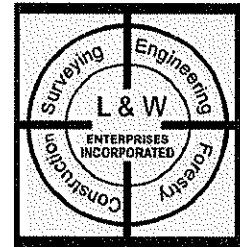
Defense Acquisition Workforce Level III Warranted Contracting Officer – Inactive

Experience:

- Twenty-two years of experience as a Navy Civil Engineer Corps Officer serving as a Facilities Construction, Maintenance, Contracting and Staff Officer at Naval Bases throughout the United States, Central and South America, Korea and Japan.
 - Planning, design and construction management on a wide range of construction projects ranging from water and wastewater treatment systems, roads, utilities, hospital systems, airfield and combat contingency construction with a total value in excess of \$1.2 Billion. Uniquely, comfortable with all disciplines and trades allowing ease of integration and efficient project execution.
 - Public Works Officer Naval Hospital Camp Lejeune, NC from June 1988 to July 1990– Managed facilities maintenance, construction and planning for 150 bed facility with clinics, emergency, and full ancillary support systems supporting the Second Marine Division. JCAHO experienced on Environment of Care issues and NFPA 99 and 101.
 - Head, Facilities Management Department, US Navy Healthcare Support Office, Jacksonville, FL from June 1994 to June 1996 – Managed facilities requirements, design and construction for all Naval Healthcare Facilities in the southeast US and Caribbean. Authored Healthcare Facilities Handbook for Installation Public Works Officers.
 - Public Works Officer/Officer in Charge of Construction, Naval Air Station Lemoore, CA from 2001 to 2003, Led a 100+ person team in the planning, design, contracting and construction of 300+ units of military family housing; airfield maintenance and construction for Navy F-18 Strike Fighter Aircraft; various simulators and maintenance facilities, and hospital facilities. Total value of projects in excess of \$200 Million.
 - August 2003 to October 2005 – Military Advisor to the Deputy Under Secretary of Defense for Installations and Environment - \$44 B DoD Budget planning and policy oversight

L
&
W

L&W Enterprises, Inc.



Surveying
Engineering
Construction
Forestry
Education:

Curtis E. Keplinger, PS
PO Box 826
Petersburg, WV 26847
304-257-4818

Bachelor of Science, Forestry, West Virginia University – 1971

Licensure:

WV Professional Surveyor # 518

Professional Organizations:

Past - President of West Virginia Society of Professional Surveyors, 1984-1986
Member of WVSPS since 1972

Employment:

Employed at L & W Enterprises, Inc., Petersburg, WV - June 2002 to Present
Alpha Engineering Services, Beckley, WV - August 2000 to June 2002
Employed at L & W Enterprises, Inc., Petersburg, WV - January 1972 to June 2000

Experience:

- 36 years of general surveying practice with extensive experience in all facets of real property development on projects large and small. Over 30 large subdivisions with most recent being Bluffs on the Potomac (5,400 Acs) in Romney, WV, Ashton Woods (10,000 Acs) in Moorefield, WV.
- Extensive Construction surveying for subdivision and highway road systems, bridges and industrial stake-out. Industrial experience includes layout for a 250 crane within the VEPCO power plant and complete as-built surveys of the WESTVACO Luke and Covington Paper Mills. Building construction experience includes the 300 seat Grant County Arts Center.
- Thousands of small and large boundary surveys. Is a recognized expert in boundary law and determination with experience as a court appointed expert witness.
- Coal mining surface control and boundary experience for several large coal mining operations.
- Recognized expert in the use of SurvCADD and digital orthophotography.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

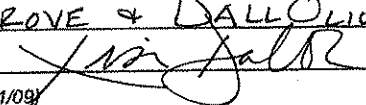
LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: GROVE & DALL'OLIO ARCHITECTS PLLC
Authorized Signature:  Date: 2/25/09
Purchasing Affidavit (Revised 01/01/09)