

EXPRESSION OF INTEREST

Sullivan Hall Renovation Project

West Virginia State University

AE01 0490 WSC2400000002

March 12, 2024

Chapman Technical Group | 200 Sixth Avenue St. Albans, WV 25177 | 304.727.5501





**Chapman
Technical
Group**
a division of
GRW

March 12, 2024

Mr. Jerry D. Rush
West Virginia State University
5000 Fairlawn Avenue
Ferrell Hall Room 301
Institute, WV 25112

**Re: A/E Services for
Sullivan Hall Renovation Project**

Dear Mr. Rush:

Chapman Technical Group is most interested in providing the required A/E services for the Sullivan Hall Renovation Project. Our project team includes architects, structural engineers, and mechanical and electrical engineers, and interior designers, all in-house, ensuring seamless design of your project. Our experience includes many projects with the same elements of Sullivan Hall. We are located 10 minutes from your campus and are ready to begin work immediately.

The historic State Roads Commission building renovation in Charleston was about 40,000 square feet and included a total roof replacement, a new elevator, and a new HVAC system. The project also included extensive architectural and interior design renovations.

For the Mason County Commission, we renovated a multi-story building into a new Sheriff's Office. The project included extensive architectural renovations, a new HVAC system, and a new elevator. We also recently completed an elevator replacement project for the St. Albans Library.

Clay County High School was a major renovation project (100,000 square feet) which was completed while the school was occupied and included HVAC renovations, gym and locker room renovations, and the replacement of windows and doors. Our mechanical and electrical engineers have extensive experience in the upgrade and replacement of HVAC systems.

We also have extensive roof replacement and repair experience. For the Knotts County Judicial Center in Kentucky we employed thermography to identify surface moisture or where moisture had penetrated the roof membrane and deck structure. Those areas were documented with roof markings and correlated on a roof map with real-life and infrared photos. This enabled us to identify problems before the existing roof was removed.

200 Sixth Avenue
Saint Albans, WV 25177

304.727.5501

Buckhannon, WV
Lexington, KY

www.chaptech.com




Mr. Jerry Rush
March 12, 2024
Page Two

We would appreciate the opportunity to present our project team and further discuss your project. Please feel free to contact me at (304) 727-5501 or by email at jbird@chaptech.com if you have any questions or need more information.

Sincerely,

CHAPMAN TECHNICAL GROUP



Joseph E. Bird, ASLA
Vice President



State of West Virginia
Agency Expression of Interest
Architect/Engr

Proc Folder: 1379320			Reason for Modification:
Doc Description: A&E Services-WVSU Sullivan Hall Renovations			
Proc Type: Agency Contract - Fixed Amt			
Date Issued	Solicitation Closes	Solicitation No	Version
2024-02-15	2024-03-12 14:30	AEOI 0490 WSC2400000002	1

BID RECEIVING LOCATION

WEST VIRGINIA STATE UNIVERSITY
5000 FAIRLAWN AVENUE
FERRELL HALL RM 301
INSTITUTE WV 25112

VENDOR

Vendor Customer Code: 000000207246
Vendor Name : Chapman Technical Group
Address : 200
Street : Sixth Avenue
City : Saint Albans
State : West Virginia **Country :** Kanawha **Zip :** 25177
Principal Contact : Joseph E. Bird
Vendor Contact Phone: 304-727-5501 **Extension:** 3154

FOR INFORMATION CONTACT THE BUYER

Jerry D Rush
304-766-3009
jerry.rush@wvstateu.edu

Vendor Signature X

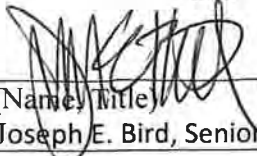
FEIN# 550704766

DATE 3-8-2024

All offers subject to all terms and conditions contained in this solicitation

SIGNATURE/CERTIFICATION

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

 V.P.

(Name, Title)
Joseph E. Bird, Senior Vice President

(Printed Name and Title)
200 Sixth Avenue, Saint Albans, WV 25177

(Address)
304-727-5501, NA

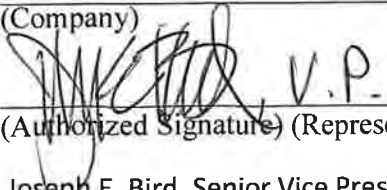
(Phone Number) / (Fax Number)
jbird@chaptech.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through e-mail, I certify that: I have reviewed this solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the Commission/Institution that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the solicitation for that product or service, unless otherwise stated herein; that the vendor accepts the terms and conditions contained in the solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand the Commission/Institution is requiring the vendor to follow the provisions of WV State Code 5A-3-62 which automatically voids certain contract clauses that violate State law.

Chapman Technical Group

(Company)
 V.P.

(Authorized Signature) (Representative Name, Title)
Joseph E. Bird, Senior Vice President

(Printed Name and Title of Authorized Representative)

3-8-2024

(Date)

304-727-5501, NA

(Phone Number) (Fax Number)

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Section 1.0 Overview & Awards

COMPANY OVERVIEW & AWARDS



Established in 1984, Chapman Technical Group has steadily grown into a diverse firm of professionals, many of whom were educated in West Virginia colleges and universities. We have achieved an outstanding reputation for developing high-quality projects, while meeting schedules and budgets.

In 2013, Chapman Technical Group was acquired by the Lexington, Kentucky based A/E firm of GRW, allowing us to provide a wider range of services while expanding our resources. Now, in addition to our offices in St. Albans, and Buckhannon, West Virginia, as part of the GRW family, we also work in Kentucky, Ohio, Tennessee, and Indiana.

Our architectural group not only designs new buildings from the ground up, but also specializes in renovations and historic restoration projects. Our award-winning landscape architects provide master planning, as well as detailed site design for parks and public spaces projects.

In addition to our building studio, our engineering support staff gives us the ability to meet almost any challenge a project may present. All of our mechanical, electrical, plumbing engineering is provided in-house, and our civil engineers work with our landscape architects to provide site designs that are functional while achieving a high level of aesthetics.

Water and sewer system design is accomplished by our environmental engineers, and when on-site wastewater treatment is required, we can do it.

Working with our airport group, we can provide full airport design services, from runway and lighting design, to hangars and terminal buildings.

COMPANY OVERVIEW & AWARDS



SRC Building Renovation
WV AIA Merit Award, 2016
Historic Preservation



I-79 Rest Area
AIA Merit Award, 2010

COMPANY OVERVIEW & AWARDS



Upshur County Courthouse Renovations
WV AIA Honor Award, 2008
Historic Preservation



COMPANY OVERVIEW & AWARDS



Upper Big Branch Miners Memorial
WV ASLA Honor Award, 2012



Nuttallburg Historic Mining Complex
WV ASLA Merit Award, 2012

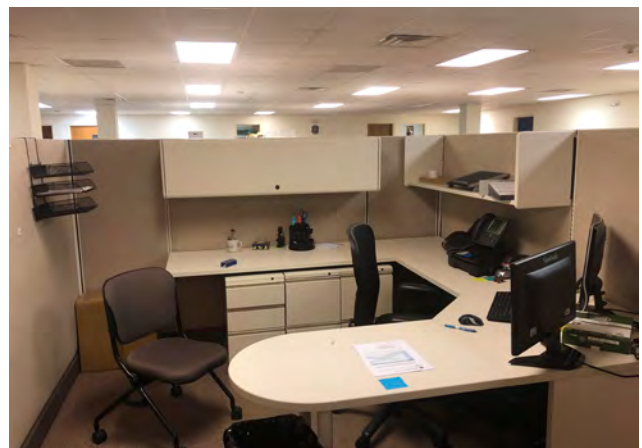
Section 2.0 Project Experience



WV Department of Natural Resources Building 74 Renovations

324 4th Avenue
South Charleston, West Virginia

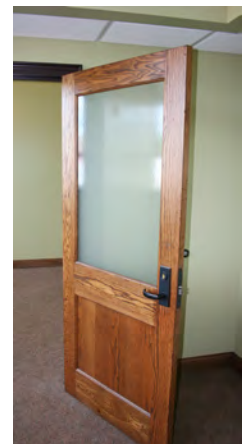
Chapman Technical Group was selected to provide a multiphase project for the Renovations of Building 74 for the General Services Division (GSD). In Phase 1, Chapman Technical Group provided a thorough evaluation of the interior and exterior of the existing 37,000 square-foot building, including functional analysis, Code review, and evaluations of the building enclosure, roof, electrical, and mechanical systems. Phase 2 will provide design services as directed by the GSD to resolve issues identified in Phase 1. Phase 3 will develop construction documents and provide construction phase services for phased construction projects to enable continuous tenant occupancy of the building.





WV Division of Highways State Road Commission Building Renovation Charleston, WV

As part of the West Virginia Division of Highways District One Campus Renovation, the former State Road Commission Building was renovated to serve as an office building for various DOH personnel. The historical 40,000 square-foot facility retained many historical features, including original doors and transoms, while providing energy-efficient and cost effective systems throughout. In addition to a complete interior makeover that included a historic information center and radio studio, the building also received new exterior doors, windows, roofing and a new elevator. A skywalk connects the building to a new Headquarters Building being constructed beside the SRC Building. A courtyard was also constructed for employee use.





Grow and Jacobs Hall Boiler Renovations

Danville, Kentucky

These were the final projects for the Kentucky School for the Deaf intended to provide new individual building heating systems, to replace the existing high-pressure steam boiler plant and campus-wide underground steam distribution system, originally serving 14 buildings.

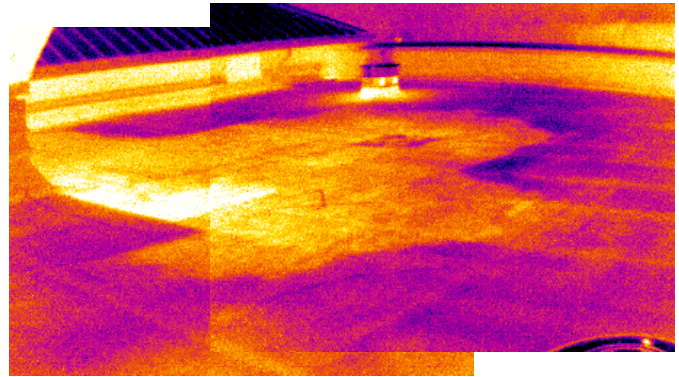
Grow Hall is the main food service facility on the campus, and it includes a large dining area, kitchen, storage/support areas and staff facilities. The 1960's structure has a large amount of glass in the dining area which is largely matched with peripheral hot water convection heating units that were fed from a pair of steam converters, using the campus underground steam distribution. There was also an air handler providing fresh outside air, heated directly by a modulating steam coil. In this project the steam heat source was disconnected and replaced by a new gas-fired, high-efficiency,

hot water boiler, along with new pumps on a primary-secondary loop, a new modulating hot water coil for the air handler, a natural gas service upgrade and a new DDC networked control system for the building.

Jacobs Hall is a four-story masonry structure, built in 1851, originally serving as a dormitory and classroom building and now used for a museum and administrative spaces. In the early 1900's, steam radiator heating was added to the building, with steam supplied from a remote central boiler plant. In this project, the historic character of the building was preserved by maintaining the steam radiator system and supplying it from a new low-pressure steam boiler plant, in a new separate out-building across the parking lot from Jacobs Hall. Following completion of the new building and boiler system and the disconnection of the underground steam system lines to, and through, Jacobs Hall, the campus central steam plant was permanently shut down.



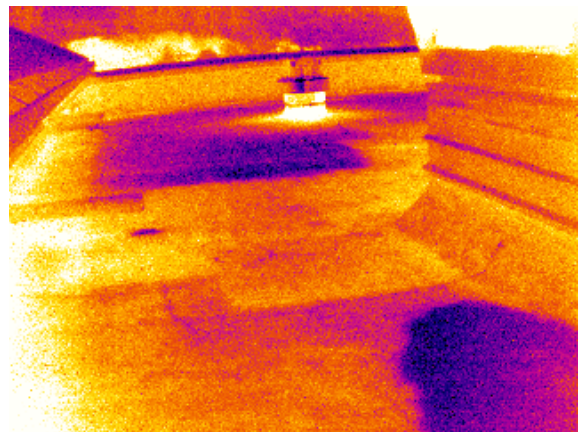
Visual image of area #1



Infrared view of area #1



Visual image of area #2



Infrared view of area #2

Knott County Judicial Center Roof Inspection Report

2003 W Main Street
Hindman, Kentucky

With the advent of thermography, roofs can be scanned with a highly sophisticated infrared camera to detect and accurately map subsurface moisture, thereby determining whether a portion or all of the roof requires replacement. Unlike other non-destructive techniques, thermal scanning assesses every square inch of roofing, including vertical flashings and around and under roof obstructions and equipment. This results in a comprehensive view of the roof's condition, with the possibility of errors virtually eliminated.

The objective of the report was to identify area of subsurface moisture or where moisture has penetrated the roof membrane and deck structure. Those areas were

documented with roof markings and correlated on a roof map with real-life and infrared photos.

When an abnormality on the thermogram appears, usually as a lighter colored area, it can be interpreted to be either wet or at one time wet and has lost some of its original quality of texture and strength. The outline of these areas is marked on the surface of the roof with spray paint: in some areas only a number is painted, as these areas had no definite pattern or the roof is completely wet.



Upshur County Commission Upshur County Courthouse Renovations

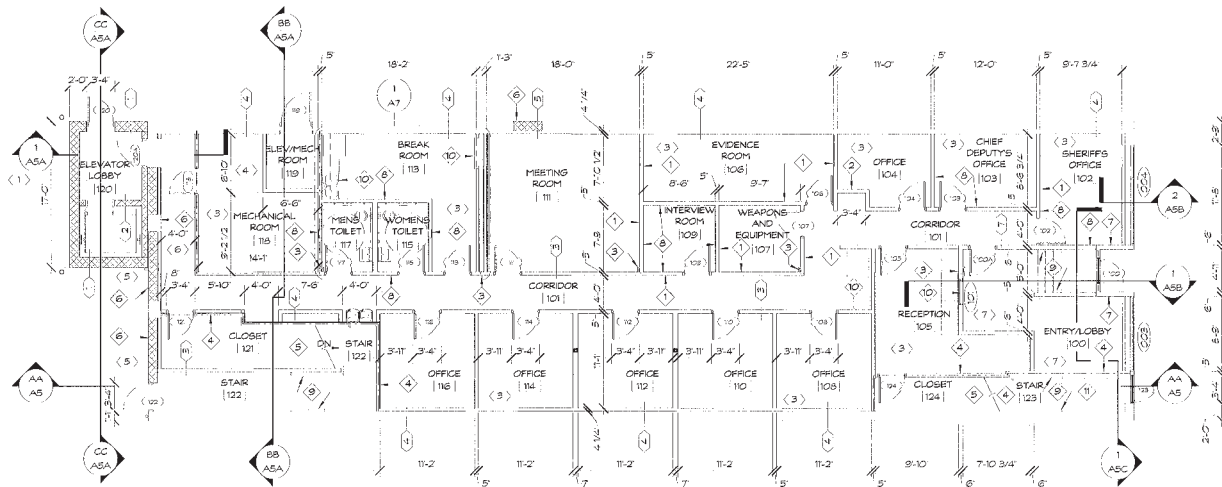
38 West Main Street
Buckhannon, West Virginia

Since the design and construction of the courthouse annex in 1995, Chapman Technical Group has been involved in several improvement and restoration projects at the Courthouse in Buckhannon. In 2005, a lift was installed and plaza renovated in make the original Courthouse accessible. In 2006, the Courthouse dome and clock tower were completely restored. In 2007, the Courthouse portico stonework was restored, and in 2008 the work was honored by the AIA, WV for Excellence in Architecture.

American Institute of Architects, Honor Award, 2008



Dome Restoration Detail



FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

Mason County Sheriff's Office

Point Pleasant, WV

The Mason County Commission selected this existing building adjacent to the County Courthouse to be headquarters for the Mason County Sheriff's Department. The three story 11,500 square-foot facility remained basically unchanged on the exterior with the exception of minor facade repairs, new doors and windows. The first floor interior of the building was completely demolished and rebuilt to house the new Sheriff's Office while the second and third floor were renovated for Sheriff's office storage, voting machine storage and programming, and other County needs. Other additions and renovations included a new elevator at the rear of the building, a new sprinkler system throughout the building,





Coal Heritage Area Authority Coal Heritage Discovery Center Mt. Hope, West Virginia

The Coal Heritage Discovery Center will occupy the historic Patteson Building in downtown Mt. Hope. The Coal Heritage Discovery Center will consist of offices, meeting rooms, an historic information center, a small theater space, a public lobby area, a gift shop, and a small café area. There will also be an outdoor patio which can be used as exterior café seating.

The Center will be constructed in two phases. The first phase consisted of remedial work to weatherize the building and included the installation of a new roof and roof structure; repointing and repair of the exterior brick; cleaning the interior of the building and the installation of new doors and storefront.



Right: Interior prior to renovation.



Clay County Board of Education Clay County High School Renovations

1 Panther Drive
Clay, West Virginia

Clay County High School serves 550 students in grades 9 through 12 and is the only high school in the county. The school was constructed in 1970 and needed renovations to make it a more modern learning facility. Because Clay is a small rural county, the high school serves as a place of learning and acts as a community center and gathering place for the county.

Renovations to the school were quite extensive and included new HVAC systems, fire alarm and security systems, a secure office entrance, new toilet rooms, new windows, new secure classroom door hardware, reworking the locker rooms and gym and the addition of a new commons area.

The renovations and addition have significantly improved the health, safety and welfare of the students and staff at this school and have had a direct impact on improving the learning environment.

Through improved Indoor Air Quality and comfort, improved safety and the improved overall functionality of the school, this facility will continue to serve the residents of Clay County for many years.



B&O Building Restoration **WV Northern Community College** Wheeling, West Virginia

Built in 1908, the B&O Building served as the main terminal building of the Baltimore and Ohio Railroad in Wheeling, WV, until 1962. A private owner purchased the building in the 1960s and used part of the building as a bar. The State of West Virginia purchased the building in 1975 and opened it for community education in 1976 and it is now home to the Northern West Virginia Community College.

In 2021 the College engaged Chapman Technical Group to evaluate the current conditions of the B&O Building and recommend cleaning and repairs to the masonry, terra cotta, and windows.





Frankfort Plant Board New Administration Building Frankfort, KY

The Frankfort Plant Board, a municipal utility company that provides cable, broadband, telephone, security, electric and water for the city of Frankfort, KY, and surrounding areas, hired GRW to provide programming, planning and design services for its new consolidated administration building and associated 30-acre site.

The new three-level, 46,000 SF administration building project consolidates the Frankfort Plant Board's administrative offices for accounting, human resources, management, IT, and dispatch. In addition, facilities were provided for the Plant Board's public customer service functions including cashier/payment service stations, exterior drive through tellers, product service representation, and a board/community room. The facility also includes backup utility systems and a designated shelter area.

The building facade is primarily constructed of architectural precast concrete panels with design elements such as structural silicone glazing systems and aluminum panels.





Weisberg Family Engineering Laboratory Marshall University

Huntington, West Virginia

Chapman Technical Group's parent company, GRW, was hired by Marshall University to masterplan and design the first phase for a new engineering complex on their main campus in Huntington, West Virginia. This 16,000 SF teaching facility houses materials, soils, hydraulics, structural, and environmental laboratory space, as well as classroom space, public space for students and faculty offices. A building-wide access control system was provided to monitor usage and control entry.

The curved façade of the building was designed to create a park-like plaza along the north edge of 3rd Avenue, giving a softened edge to what previously had been parking lots and pavement. Brick and other exterior building materials were selected to complement the adjacent campus buildings, thus giving a more unified appearance to the campus.





Cumberland County Justice Center

Burkesville, KY

Designed to accommodate both Circuit and District Courts, this 24,270 SF facility is adjacent to the public square in Burkesville, KY. The first level includes a hearing room, sallyport, holding cells, witness areas, pre-trial area, clerk's offices, and other support functions. The second level includes the jury courtroom, judges' offices, holding cells, witness and attorney/client areas, conference rooms, law library, substantial public lobby spaces, and other supporting spaces. The building is segregated as required for judges' circulation, public circulation, and secure areas.



U.S. Federal Courthouse Renovation

Atlanta, GA

GRW was part of the design-build team selected by the U.S. General Services Administration (GSA) to design and construct improvements for the federal courthouse located on Barr Street in Lexington, KY. The project team's design enhanced security at the building through the renovation of existing space, as well as new construction. Improvements included upgraded security electronics, site blast protection, and circulation / control enhancements.

Built in 1934, the building is listed on the National Register of Historic Places. The Federal Courthouse was originally constructed as a Post Office and is the base for one of six U.S. District Court locations for the Eastern District of Kentucky. The four-story building, plus basement, contains 84,000 SF of rentable space and currently houses both the U.S. District Court, the U.S. Marshals Service, U.S. Attorneys, and the U.S. General Services Administration.

GRW's specific role on the design-build team was to provide civil/site engineering, and mechanical and electrical engineering. Sustainability was a key factor as the addition achieved a 33% energy efficiency improvement over code, exceeding EAct requirements for federal buildings. The project involved a phased construction schedule; work was completed while the building was occupied.





Lewis County Commission Courthouse Conditions Report/Roof Restoration Weston, West Virginia

Chapman Technical Group provided the Lewis County Commission with a report to identify and evaluate the conditions of their courthouse, including prioritized recommendations for repairs and restorations for the building envelope and structure, based on the urgency and consequences of the work. These recommendations were coupled with anticipated construction cost, to assist the Commission in determining funding and scheduling phases for the work to be accomplished. The Commission then selected Chapman Technical Group to design and provide construction administration services for the most urgent of the Courthouse needs, which included retiring the steel domes and roofing, providing structural improvements where past leaks had caused damage to bell tower members.





Trust Lounge Renovation

Lexington, KY

In downtown Lexington, Ky., a discovery was made when a brick façade was removed and uncovered the remains of the Phoenix and Third National Bank and Trust. The structure, believed to be constructed circa 1908, suffered severe damage as a result of two previous, extensive department store renovations. For one renovation, the lower half of the building was removed and turned into a conventional glass storefront entrance. In a later renovation, the column capitals and cornice work were destroyed and replaced with a monolithic brick façade. After removal of the brick façade, only a section of very badly damaged architectural glazed terra cotta at the second story level remains from the original structure.

In an effort to restore the historic building, GRW provided design services with the intent to patch and repair as much of the remaining terra cotta façade as possible, and to reconstruct the missing pieces of the façade in a manner that is reminiscent of the original Phoenix and Third National Bank and Trust. GRW used 3D laser scanning technology to survey the existing condition, providing a very accurate record of the structure in its current state.



Tucker County Commission Jailer's Residence Restoration

213 First Street
Parsons, West Virginia

Chapman Technical Group was hired by the Tucker County Commission to provide a conditions report for the stabilization and restoration of the Tucker County Courthouse and Jailer's Residence. After evaluating and assessing the condition of the existing structure; Chapman Technical Group submitted a detailed plan for the stabilization of the structure, and recommendations on how to restore and renovate the structure for future use. A prioritized budget was compiled identifying the most critical and immediate repairs that should be scheduled as soon as funds became available, and restoration, upgrades, and ongoing maintenance that could be delayed to future dates. Phase 1 of this plan was completed in 2011 to refurbish, repoint, and stabilize the chimneys of the Courthouse and the Jailer's Residence (Commission Offices).





Cardome Centre Restoration Cardome Centre

Georgetown, KY

This circa 1896 building, which previously housed a convent and academy, is one of the oldest and most historic properties in Scott County, Kentucky. The project involved plaster repair and restoration in the main meeting hall/sanctuary. Work included plaster demolition, and replacement of the vault ceiling substructure and plaster ceiling. The work area was approximately 30 feet above the finish floor.



Section 3.0 Resumes



Joseph E. Bird, ASLA

Senior Vice President Project Manager

Years of Experience: 44
Years with Chapman: 37

Education

B.S., Landscape
Architecture, 1978
West Virginia University

Registration

Architect: WV, KY, IN

Affiliations

Council
of Landscape
Architectural
Registration Boards

WV Chapter,
American Society of
Landscape Architects

Experience

Joe has been involved in a wide range of projects in his 40+ years of experience. In addition to his landscape architectural design experience, he has served as Project Manager for many major multi-discipline projects ranging from site development to major architectural projects. His experience includes coordinating the efforts of various local, state, and federal agencies.

Site Development

Site planning and project management for numerous projects throughout West Virginia ranging from small campus sites to large sites for commercial, government, industrial, and institutional development. Projects include military complexes, campuses, public housing developments and other public facilities.

Parks and Recreation

Projects include, master planning for municipal parks, swimming pools, bathhouses, cabins and support facilities for the West Virginia Division of Natural Resources and similar facilities for county and municipal park systems. Also involved in the design of facilities such as softball fields, fishing access facilities, recreation facilities for prisons, as well as passive recreation areas for public and private clients.

Miscellaneous

Other project experience includes the urban planning and development, streetscape design, roadway and storm drainage projects, as well as the project management of numerous major architectural projects throughout West Virginia.

Recent Relevant Experience

Old Central City Gazebo Space Redesign; Huntington, WV
Smith Street Streetscape; Charleston, WV
St. Albans C Street Plaza; St. Albans, WV
Scottsville Streetscape; Scottsville, KY
Meadow River Trail; Greenbrier County, WV
Clear Fork Trail; Raleigh County, WV



Phillip A. Warnock, NCARB, AIA Project Architect

Years of Experience: 32
Years with Chapman: 20

Education

B.S., Architecture, 1995
University of Tennessee

Registration

Architect: WV, KY, IN, TN

Affiliations

National Council
of Architectural
Registration Boards

WV Chapter,
American Institute
of Architects

Awards

Honor Award, WV AIA
Upshur County Courthouse

Merit Award, WV AIA
I-79 Burnsville Rest Area

Merit Award, WV AIA
State Road Commission
Building

Publications

Structure Magazine,
February 2010
"A Gem in the Mountains"
Upshur County Courthouse
Restoration

Experience

Phill is an award-winning architect with extensive experience, having worked with clients on programming / planning, budget analysis, design, construction documents, meeting coordination, bidding / negotiation services, construction phase services, and code compliance. He is especially skilled in renovation and historic restoration projects for government and municipal facilities.

WV General Services Division, Capitol East Campus;

Charleston, WV

The Capitol East Campus Project transforms a 5 ½ acre site adjacent to the State Capitol into upgraded and consolidated facilities, including several buildings supporting the building and grounds maintenance needs for the entire Capitol Complex. The Warehouse/Grounds Building is a 27,000 square-foot structure providing high-bay storage, low-bay storage, maintenance shop, a grounds/mechanics shop, distribution area, and office suite. The 4,300 square-foot Open Storage Building provides covered storage for vehicles, tools, and equipment. The Bulk Storage Building provides 600 square feet of covered storage for salt, gravel, and mulch. The wedge-shaped site was designed to accommodate the buildings, parking for 369 vehicles, vehicular circulation, and greenspace with storm detention systems to reduce flooding in the area. A 6,000 square-foot Mail Room Building provides the mail service and sorting center for the entire Capitol Complex.

WV DOT Rest Areas and Welcome Centers

Project Architect for the design and construction of the prototype rest areas and welcome centers for various locations throughout West Virginia.

State Road Commission Building; Charleston, WV

Project Architect for the renovation of the historic State Road Commission Building for the West Virginia Division of Highways. The 40,000 square-foot building houses offices and support facilities for the local highway district. In addition to a complete interior makeover that included a historic information center and radio studio, the building also received new exterior doors, windows, roofing and a new elevator. A skywalk connects the building to a new Headquarters Building that was constructed beside the State Road Commission.

District One Equipment Shop Building; Charleston, WV

Project Architect for the design of the new \$10 million vehicle equipment shop building for District One which includes multiple service bays, parts storage, welding shop, and offices.



W. Thomas Cloer, III

NCARB, AIA Project Architect

Years of Experience: 23
Years with Chapman: 17

Education

B.S., Architecture, 2001
University of Tennessee

Registration

Architect: WV, VA, KY

Affiliations

National Council
of Architectural
Registration Boards

AIA National

AIA West Virginia

WV Chapter
American Institute
of Architects
Past V.P. and Secretary

St. Albans Historic District
Committee Member

Experience

Tom has extensive architectural experience, having worked with clients on programming, planning, budget analysis, design, construction documents, bidding, construction phase services, and code compliance. He regularly provides leadership in architectural design and project management for new building design and renovation projects such as K-12, parks and recreation, and government and municipal facilities.

Comprehensive Educational Facilities Plan

Tommy worked as part of a team to develop the 2020 Comprehensive Educational Facilities Plan (CEFP) for both Ritchie County Schools and Clay County Schools. Work on the CEFP's include facilities assessments and reports, participation in educational planning committee meetings, presenting findings to the county board of education and assisting the county in translating educational needs into facility needs.

Jane Lew Elementary School Addition; Jane Lew, WV

Project Architect for the design of an addition and renovation project that included five new classrooms, an updated office suite, and a new building entrance and bus loop. Toilet rooms were also renovated and new floor finishes were installed throughout the building. A new HVAC system serves the addition, and a new sprinkler system and fire alarm were installed for the entire school. New ceilings and lighting were also provided throughout.

Clay County High School Addition and Renovation; Clay, WV

Tommy worked closely with Clay County Schools to obtain a WV School Building Authority Needs Grant to fund the design and construction of a multi-million dollar addition and renovation to the 106,000 sf Clay County High School. The project included the design and construction of a new multipurpose Commons Area that can serve as additional cafeteria space, a lobby for the gymnasium during sporting events and graduation, and as an area for students to congregate before and after school. Major renovations to the gymnasium and locker rooms include a new gym floor, bleachers, basketball and volleyball equipment, lockers, and shower rooms. In addition to renovating all of the toilet rooms, the school also received new doors, windows, light, paint and a new HVAC system was also installed throughout the school.



Sharon L. Chapman

Interior Design

Years of Experience: 26
Years with Chapman: 25

Education

B.A., Art and Interior Design, 1993
University of Charleston

Registration

Allied Member, American Society of Interior Designers

Affiliations

Allied Member, ASID

St. Albans Rotary

Gabriel Project of WV

Experience

Sharon has extensive experience in space planning and interior design and has worked on a variety of projects ranging from industrial facilities to schools and high-end professional offices. She offers a unique perspective, understanding the need to provide durable, low maintenance finishes, while enhancing the basic architectural design with just the right aesthetic touch.

Jane Lew Elementary School Addition; Jane Lew, WV
Interior Designer for the addition and renovation project that included five new classrooms, and an updated office suite.

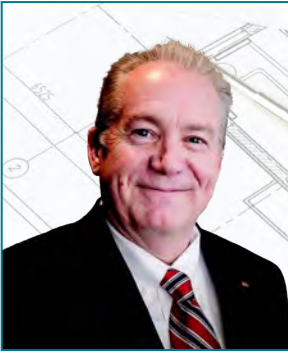
Smithville Elementary School Addition; Smithville, WV
Interior Designer for the addition and renovation of the Smithville Elementary School project which included the design of a new classroom wing and a new kitchen addition adjacent to the remaining buildings.

State Road Commission Building; Charleston, WV
Interior Designer for the renovation of the historic State Road Commission Building for the West Virginia Division of Highways. The 40,000 square-foot building houses offices and support facilities for the local highway district. In addition to a complete interior makeover that included a historic information center and radio studio, the building also received new exterior doors, windows, roofing and a new elevator. A skywalk connects the building to a new Headquarters Building that was constructed beside the State Road Commission.

WV Division of Natural Resources, Building 74 Renovation; Charleston, WV
Interior Designer for evaluation and recommendations for possible improvements and upgrades to building systems in three-story, 37,000 SF, masonry-construction facility that houses approximately 100 employees. Improvements included new ceilings, floor finishes, and wall finishes.

Various State Park Cabins

Interior Designer for three new 2,200 sf deluxe 4-bedroom cabins at Chief Logan State Park; thirteen new 1,500 sf modern 4-bedroom cabins at Blackwater Falls State Park; and the renovation of nine cabins at Watoga State Park.



Monty Maynard, PE

LEED AP BD+C

Vice President

Years of Experience: 44
Years with GRW: 25

Education

B.S., Electrical Engineering,
1978,
University of Kentucky

Registration

Professional Engineer
(Electrical): KY, WV, IN, GA,
TN, TX, NV, NC, MS, MI, AL,
CA

LEED Accredited
Professional, Building
Design + Construction

Affiliations

National Fire Protection
Association

International Society of
Automation

American Council of
Engineering Companies

National Council of
Examiners for Engineering
and Surveying

Experience

Monty's experience with electrical design, process instrumentation and control design, and project management is extensive. He has been involved with the design of building systems for more than 300 projects, ranging from water resources projects to the design-build of federal prisons with total construction values as high as \$984 million. His areas of technical expertise include electrical power distribution, substation design, alarm systems, communications, lighting, lightning protection, instrumentation/controls/telemetry, power quality, energy efficiency and code compliance.

Cumberland Valley Technical College Building One Renovation; Harlan, KY

Electrical Engineer. Renovation design for 31,000 SF building including updated exterior appearance, and modernized teaching spaces. Work included total replacement of building mechanical and electrical systems.

Fort Knox Macdonald Elementary School Renovation; Ft. Knox, KY

Principal-in-Charge. Renovation of a 63,000 SF Army school with year-round schedule. Involved a new standing seam roof installed over 48,000 SF to create an attic for 100% replacement of existing HVAC system equipment with geothermal-based heat pump system, new electrical service system, and fire alarm system upgrade.

Lexington Catholic High School Phase II Addition, Lexington, KY

Engineering Manager. 48,000 SF addition included 1800-seat two level gymnasium and running track, performing arts stage, art wing, and new administration area.

Marshall University Weisberg Family Engineering Laboratory, Huntington, WV

Electrical Engineer. New, 16,000 SF engineering laboratory building. Building security systems included access control and CCTV. HVAC systems feature rooftop VAV systems with variable electric reheat.



Cory Sharrard, PE

LEED AP

Mechanical Engineer

Years of Experience: 23
Years with GRW: 3

Education

B.S., Industrial Technology,
1996, Murray State University

B.S., Mechanical Engineering,
1998, University of Kentucky

Registration

Professional Engineer: KY, IN,
OH, WV, NY, TN

NCEES Member allows
reciprocity with other states

LEED AP

Affiliations

American Society of Heating,
Refrigerating and Air-
Conditioning Engineers

Kentucky Society of
Professional Engineers

Experience

Cory possesses more than 20 years' experience with mechanical engineering including design of traditional water source heat pump (WSHP), geothermal WSHP, hybrid geothermal WSHP, variable refrigerant flow (VRV), split system, rooftop units, unit ventilators, variable air volume (VAV), and ice storage systems. Her experience includes numerous K-12, higher education, vocation school, detention center, church, and library projects.

WV Division of Natural Resources Building 74 - South Charleston, WV
Mechanical Engineer for evaluation and recommendations for possible improvements and upgrades to building systems in three-story, 37,000 SF, masonry-construction facility that houses approximately 100 employees. Among improvements selected for design are replaced of heating and cooling systems, windows, TS fighting with LED lighting LED fixtures, and replacement of ceilings and floor finishes, as well as new DDC controls throughout building.

WV Capitol East Campus - Charleston, WV
Mechanical Engineer for planning, design, and bidding services for a 26,771 SF warehouse facility with surplus and receiving, a warehouse store, office area, maintenance shop with welding, grounds mechanic shop for vehicle maintenance, and equipment storage facility serving the General Services Division on the Capitol East Campus. Included are an open storage and bulk storage building, as well as a separate building for Capitol mail room.

Clay County Schools Bus Garage; Clay, WV
Mechanical Engineer; FEMA funded project for new bus garage constructed above 100 year flood elevation. Project included 5,000 SF masonry garage (constructed on deep foundations) with two service bays, wash bay, parts storage, and drivers lounge. Separate building houses spare tires.

Clay County High School Renovation and Addition; Clay, WV
Mechanical Engineer; Design and construction administration phase services for gymnasium and locker rooms, commons area, and HVAC system renovations; door/window replacement; and security/communications system improvements. Portion of construction will occur during summer months, but most was completed while school is occupied.

Buffalo Trace Distillery Design-Build Process Building at Wastewater Treatment Plant; Frankfort, KY
Architectural, mechanical, process, and structural design services for design-build of process building at Buffalo Trace Distillery's wastewater treatment plant in Frankfort, KY. Approximate 13,000 SF pre-engineered metal building, with height of up to 33 feet, houses equipment and processes for new wastewater treatment plant.



Jon Marcum, PE, SE

Structural Engineer

Years of Experience: 24
Years with GRW: 5

Education:

M.S., Civil Engineering, 1996,
University of Kentucky
B.S., Civil Engineering, 1995,
University of Kentucky

Registrations:

Professional Engineer/
Structural Engineer: KY
Professional Engineer: KY, WV,
IN, TN, GA, NY, NC, WA, OH,
AZ, TX, NM, KS

NCEES Member allows
reciprocity with other states

Experience

Jon has two decades of experience with all phases of structural consulting services including contracting, code searching, schematic design, design development, structural design, value engineering, structural evaluations, structural inspections, structural forensics, BIM/drafting production of contract documents, bid reviews, contract administration, as-built drawings, etc. He is experienced with a wide variety of structural design software, as well as drafting and BIM software, such as Autocad, Microstation, Draftsight, Sketchup 2016, Bentley Structural Modeler, Revit, and Tekla BIMSight.

Ashland Federal Correctional Institute Standby Power Improvements; Ashland, KY

Structural Engineer. Design-build of 750 kW standby power generator at minimum-security satellite camp and addition of four, paralleled 500 kW standby power generators at medium-security main campus.

Carter Caves State Resort Park Handrail and Bridge Improvements; Olive Hill, KY

Project Manager. Design for improvements to 1,426 feet of handrail located throughout cave system. Project included repair, replacement, and/or addition of guiderails/handrails in Cascade Cave and several others. Methodologies used not only are suited to environmental conditions of cave, but also prevent cross contamination of cave dwelling creatures and bat population. Repair of concrete bridge in Lake Room of Cascade Cave was also included.

Carter Caves State Resort Park Handrail and Bridge Improvements; Olive Hill, KY

Project Manager. Design for improvements to 1,426 feet of handrail located throughout cave system. Project included repair, replacement, and/or addition of guiderails/handrails in Cascade Cave and several others. Methodologies used not only are suited to environmental conditions of cave, but also prevent cross contamination of cave dwelling creatures and bat population. Repair of concrete bridge in Lake Room of Cascade Cave was also included.

Clermont County PUB Well Field Control Tower; Pierce Township, OH
Structural Engineer. Recondition/replacement of existing control tower for PUB water treatment plant wells 17-20. Work includes replacement of platform tower, control panels, electric wiring, handrail, and access ladder.

Section 4.0 References

REFERENCES



1. Ms. Damita Johnson
City Manager
City of Oak Hill
100 Kelly Avenue
Oak Hill, WV 25901
(304) 469-9541
2. Honorable Scott James, Mayor
City of St. Albans
1488 MacCorkle Avenue
St. Albans, WV 25177
(304) 722-3391
3. Mr. Matt Yeager
Deputy Chief, Planning, Engineering, and Maintenance
West Virginia Division of Natural Resources
South Charleston, WV 25303
(304) 558-2764