

WV General Services Division Building 22 Interior Renovations

CEOI 0211 GSD2200000007

Expression of Interest for
Architectural/Engineering Services

June 1, 2022

05/31/22 09:27:30
West Virginia Purchasing Division



**Chapman
Technical
Group**

a division of
GR





May 31, 2022

Ms. Melissa Pettrey
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305

**Re: A/E Services for Building 22
Renovations**

Dear Ms. Pettrey:

Chapman Technical Group is most interested in providing the required A/E services for the Building 22 Renovations project. Our project team has provided similar services for projects throughout West Virginia, including the design of the renovation of Building 74, the historic State Road Commission (SRC) Building for the West Virginia Division of Highways, and Clay County High School renovations. We also recently completed the design of the West Virginia State Capitol East Campus project.

Our architectural personnel includes two registered architects in our St. Albans office, as well as additional architects from our parent company, GRW, based in Lexington, Kentucky. With more than 200 professionals company-wide, we certainly have the capability to meet the demands of the Building 22 project. Our staff not only includes mechanical and electrical engineers, but also architects and interior designers. Relevant examples of our team project experience are included in our Expression of Interest. We have completed many projects for various State agencies and understand the State Purchasing system and are well-equipped to work within their framework.

We would very much appreciate the opportunity to appear before your selection committee and further discuss your project and our qualifications.

Sincerely,

CHAPMAN TECHNICAL GROUP

Joseph E. Bird, ASLA
Vice President

200 Sixth Avenue
Saint Albans, WV 25177

304.727.5501
304.727.5580 Fax

Buckhannon, WV
Lexington, KY

www.chaptech.com



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

State of West Virginia
Centralized Expression of Interest
Architect/Engr

Proc Folder: 1041207		Reason for Modification:	
Doc Description: EOI: Building 22 Interior Renovations Design Project			
Proc Type: Central Contract - Fixed Amt			
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2022-05-12	2022-06-01 13:30	CEOI 0211 GSD2200000007	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : Chapman Technical Group

Address : 200

Street : Sixth Avenue

City : Saint Albans

State : West Virginia **Country :** USA **Zip :** 25177

Principal Contact : Joseph E. Bird, Senior Vice President

Vendor Contact Phone: 304-727-5501 **Extension:** 154

FOR INFORMATION CONTACT THE BUYER

*Melissa Pettrey
 (304) 558-0094
 melissa.k.pettrey@wv.gov


Vendor Signature X  **FEIN#** 550704766 **DATE** 5-31-22

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.

(Name, Title)  V.P.
(Printed Name and Title) Joseph E. Bird, Senior Vice President
(Address) 200 Sixth Avenue, Saint Albans, WV 25177
(Phone Number) / (Fax Number) (304) 727-5501 (304) 727-5580
(email address) jbird@chapttech.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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 State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract 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 this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Chapman Technical Group
(Company)  V.P.
(Authorized Signature) (Representative Name, Title)
Joseph E. Bird, Senior Vice President
(Printed Name and Title of Authorized Representative) (Date)
(304) 727-5501 (304) 727-5580
(Phone Number) (Fax Number)
jbird@chapttech.com
(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI GSD220000007

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Chapman Technical Group

Company



Authorized Signature

5-31-2022

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

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PROJECT GOALS/OBJECTIVES



Goal/Objectives

Many of Chapman Technical Group's projects have included the goals and objectives of the Building 22 project. For this proposal, we are highlighting five recent projects, including the State Road Commission (SRC) Building renovation in Charleston, the Building 74 Renovation in South Charleston, the Coal Heritage Discovery Center in Mt. Hope, the Mason County Sheriff's Office in Pt. Pleasant, and the Clay County High School Renovation in Clay.

PROJECT GOALS/OBJECTIVES



Goal/Objective 1 - Interior Renovations

Chapman Technical Group's interior renovation experience ranges from relatively minor adjustments to the basic floor plan, which was the case with Building 74, to completely new layouts such as for the SRC Building, the Coal Heritage Discovery Center, and the Mason County Sheriff's office. These projects required detailed structural analyses to determine if the existing structural systems were adequate to accommodate the new building layout, and remedial structural designs where required. The SRC Building and the Mason County Sheriff's Office both had large, heavy files that had to be accommodated.



New training room in SRC Building.



New building layout for Coal Heritage Discovery Center.



New conference room in SRC Building.



Mason County Sheriff's Office floor plan.

PROJECT GOALS/OBJECTIVES

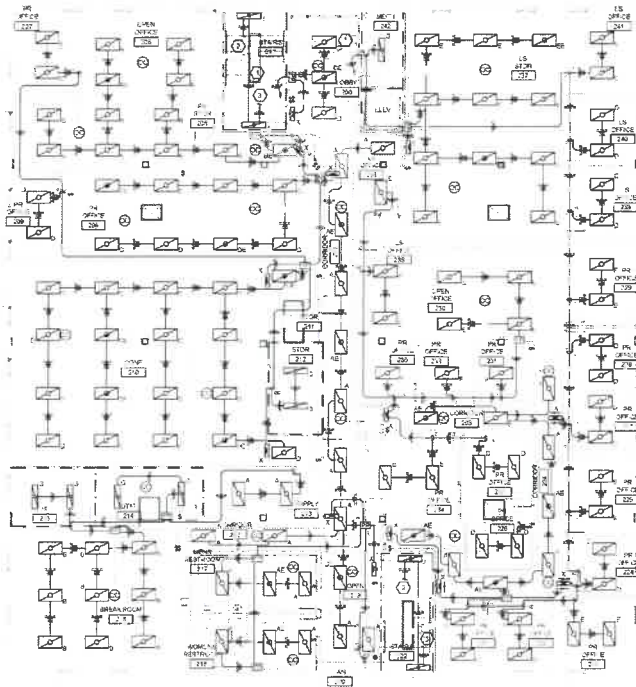


Goal/Objective 2 - Lighting Upgrades

Chapman Technical Group has extensive experience in the upgrade of lighting systems. Although the project did not go to construction, the design of Building 74 included lighting upgrades to LED, along with new lighting control systems. The Clay County High School Renovation project also included LED replacement lighting and controls.



*Clay County High School Renovation
LED Replacement Lighting*



1 SECOND FLOOR PLAN - ELECTRICAL NEW LIGHTING
SCALE: 1/8\"/>

Building 74 Lighting Replacement Plan.

PROJECT GOALS/OBJECTIVES



Goal/Objective 3 - Window Repair

Chapman Technical Group has extensive experience in replacing and repairing windows. This is best illustrated on three projects that required extensive window repair. On these three projects, all of the window were leaking or totally failing and needed to be replaced. The Mason County Sheriff's Office was a simple replacement, but the SRC Building and the Coal Heritage Discovery Center required special design consideration due to the historic nature of the buildings.



SRC Building prior to renovations.



Coal Heritage Center prior to renovations.



SRC Building after renovations.



Coal Heritage Center after window replacement.

PROJECT GOALS/OBJECTIVES

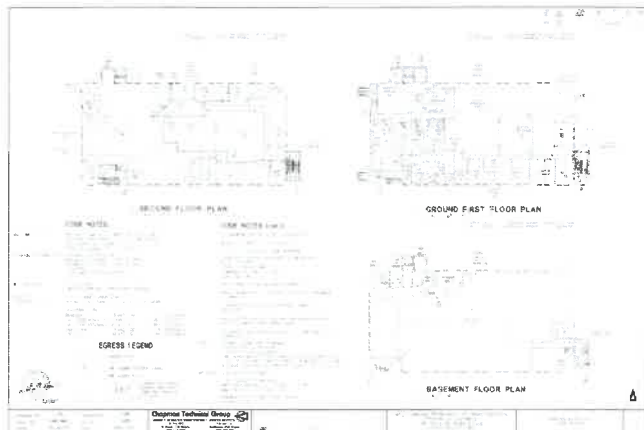


Goal/Objective 4 - Fire Protection

Chapman Technical Group has extensive experience in replacing and updating fire protection system. Most renovation projects require upgrades to the fire protection. The SRC Building and the Mason County Sheriff's Office required new sprinkler systems, as well as new state-of-the-art detection and alarm systems. What systems are required for a particular building is dependent on its occupancy classification and anticipated uses. All buildings are somewhat different in this regard. Basic fire protection needs are identified early in the project during the code review phase of the project. Systems are then designed to meet code requirements and maximize efficiencies and simplicity of operation.



SRC Building basement storage area.



SRC Code Evaluation Plan

PROJECT GOALS/OBJECTIVES



Goal/Objective 5 - Occupancy

Chapman Technical Group has extensive experience in design and planning for buildings to be occupied during construction. Almost all of our school building renovations are constructed while students are in the classrooms. Planning and phasing is essential. The Building 74 project was to be renovated while partially occupied. Careful planning of the HVAC and electrical work was required, as well as planning for protection of the building occupants.



Clay County High School occupied during construction.



Building 74 was to be renovated while occupied.

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, Buckhannon, and Martinsburg, 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



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



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.



ARCHITECTURE



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 many 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, and a courtyard between the two will be provided for employee use.





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.

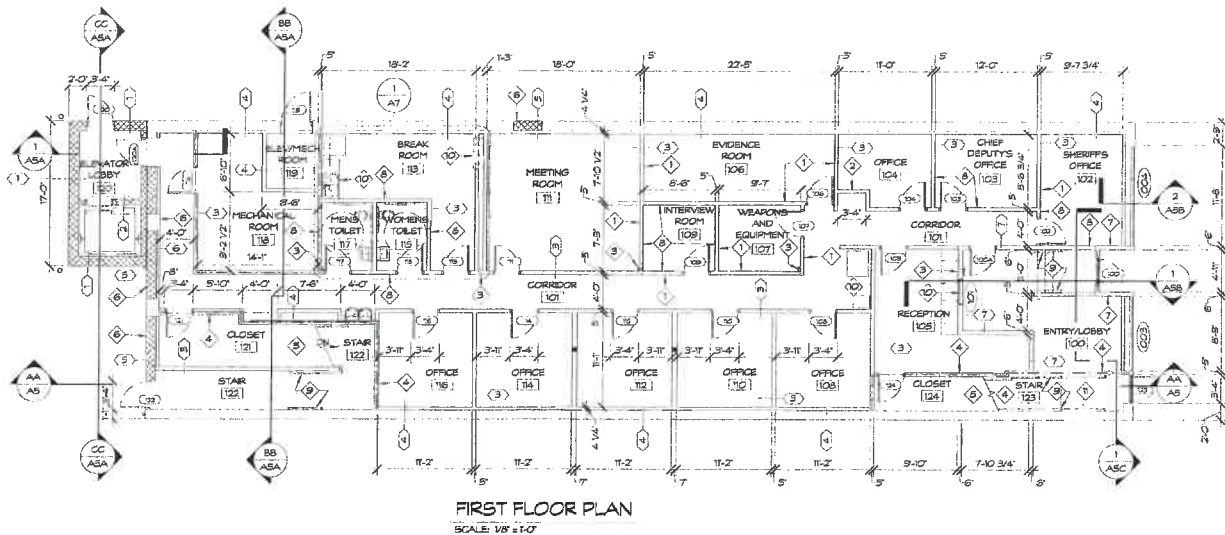
Services Provided:

Architectural Design (2019-2020)
Civil Engineering
Landscape Architecture
Construction Administration Services
(2020-2021)

Reference:

Joe Paxton, Clay County Board of Education
(304) 587-4266

ARCHITECTURE



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.



Chapman Technical Group St. Albans Office

200 Sixth Avenue
St. Albans, West Virginia 25177

The project included the design of the renovation of an existing 7,000 square-foot building and an 8,000 square-foot addition. The building, formerly U.S. Post Office, now serves as the main office of Chapman Technical Group. The renovation was completed in accordance with the U.S. Department of Interior standards and is now on the National Register for Historic Places.

The office was designed to provide optimum working conditions and included custom-designed CADD workstations and lighting, as well as conference and meeting room facilities. The building houses a complete fitness center, including locker rooms and showers, to provide incentive for employee wellness.



ARCHITECTURE



Ritchie County Board of Education
Smithville Elementary Renovation/Addition
134 South Penn Avenue
Harrisville, West Virginia

The Smithville Elementary School project included the demolition of two buildings in the existing four building complex and the design of a new classroom wing and a new kitchen addition adjacent to the remaining buildings. The new additions were designed to join with the existing classroom wing and multipurpose building to create a single facility under one roof.

The new school will provide access control and better security, new HVAC systems and better indoor air quality, compliance with ADA/ABA requirements, and modern technology and amenities.





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.



ARCHITECTURE



Beckley Water Company Office Renovations

Post Office Drawer U

Beckley, West Virginia 25801



The project included renovations to the existing Water Company offices and an expansion of those offices into an adjacent building. The interior spaces were restored to the original 1930's configuration with high ceilings and an open mezzanine. An original pressed tin ceiling, which was badly damaged during previous renovations, was replaced with a new ceiling of the same style. Facade renovations included traditional storefront

design elements, along with the introduction of stained glass transoms windows. The lobby area included a new open office system. Mechanical and electrical systems for the entire building were replaced along with the installation of new sprinkler and fire alarm systems. The renovations were phased so that all operations of the Water Company were maintained during the construction process.





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.

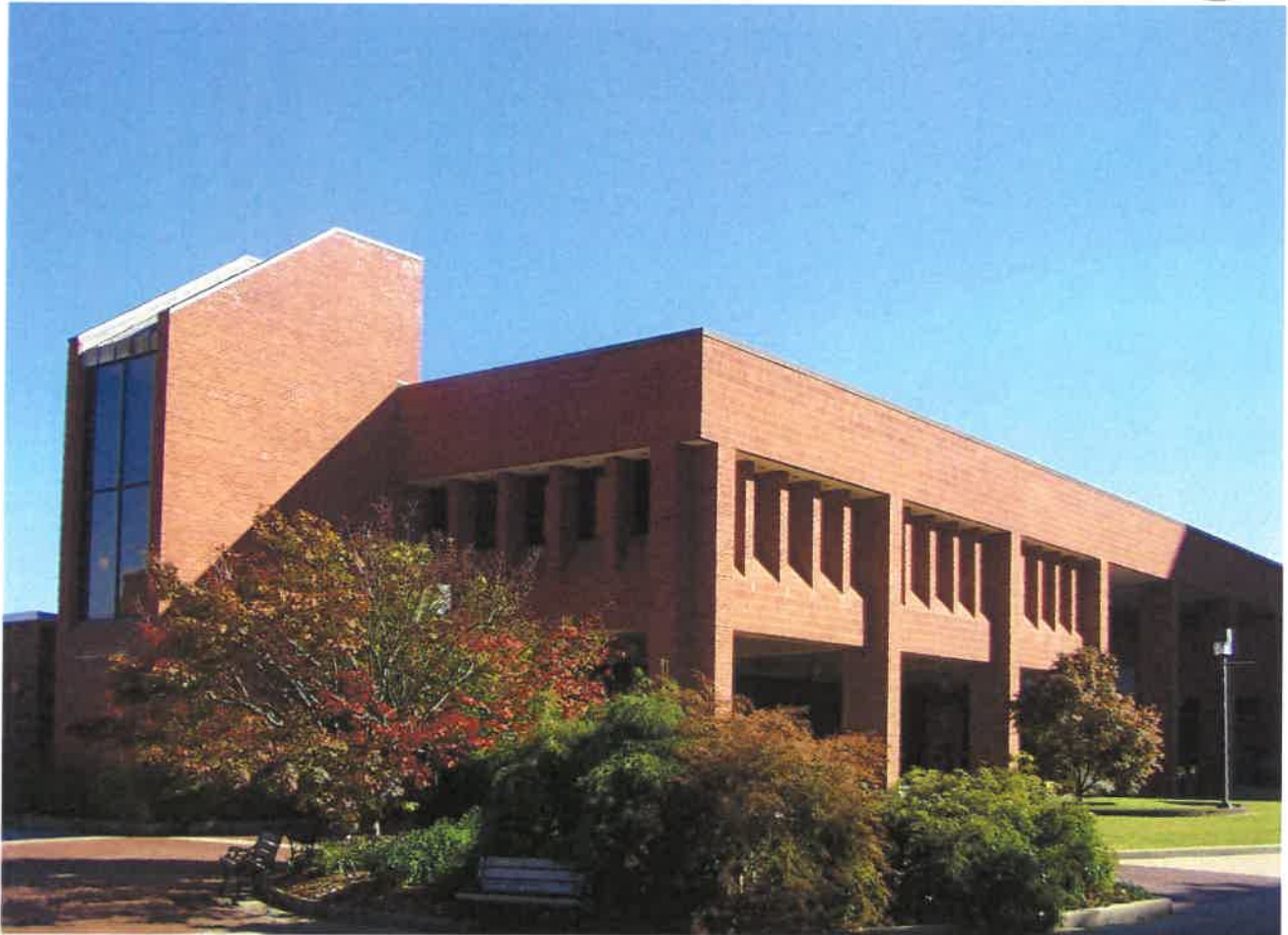




Cumberland County Justice Center

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.



Murray State University

Waterfield Library Renovations and Additions, Phase II & III

Murray, Kentucky

For the second phase, GRW provided design and construction administration services for renovation of approximately 14,500 SF. The project, completed while the library was in use, provided a new reading/study area. In addition, the project was bid in three packages which were completed simultaneously to keep the work on schedule.

The third phase included A/E construction documents for a proposed \$10.5 million major renovation to the 100,400 SF main campus library. The drawings included the following work items:

- Existing building renovations
- New semi-circular, grand reading room
- Front façade renovations, including cupola
- Mechanical and electrical systems upgrade
- Interior finishes and furnishings



West Virginia Department of Administration WV State Capitol Main Stairs and Lincoln Plaza Restoration Charleston, West Virginia

Built in 1930's, ninety years of use and exposure to elements deteriorated the monumental entry stairs and Lincoln Plaza at the WV State Capitol. Chapman Technical Group designed and provided construction administration for their restoration of the 28,000 SF, \$1.6M historic project.

Limestone at stairs, fountains, and landings were repaired with stone mortar, re-surfaced, re-set, or were replaced entirely. That limestone was re-pointed along with the brick plaza pavers. The concrete walks and ramp were replaced with the ramp's curved bronze handrails now providing access to the plaza level. Failed trench drains were replaced with stainless steel to manage storm water that caused some of the deterioration. The limestone base for the statue of Lincoln was re-set, with new lead caps protecting the transition to the granite. This work, plus the stair wing walls, were cleaned using methods appropriate for historic work.





Phillip A. Warnock, NCARB, AIA Vice President

Years of Experience: 30
Years with Chapman: 18

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 Division of Natural Resources, Building 74 Renovation; Charleston, WV

Project Architect 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 replacement of heating and cooling systems, windows, T5 lighting with LED fixtures, and replacement of ceilings and floor finishes, as well as new DDC controls throughout building.

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.

Coal Heritage Discover Center; Mt. Hope, WV

Project Architect for the Coal Heritage Discovery Center, which is a rehabilitation of the historic Patterson Building in downtown Mt. Hope. The Coal Heritage Discovery Center is designed to house WVDNR WMA Storage Buildings 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 cafe seating.



W. Thomas Cloer, III

NCARB, AIA

Project Architect

Years of Experience: 20
Years with Chapman: 15

Education

B.S., Architecture, 2001
University of Tennessee

Registration

Architect: WV, VA, KY

Affiliations

National Council
of Architectural
Registration Boards

WV Chapter
American Institute
of Architects

Experience

Tommy 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 has 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

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 Flood Repair; Clay, WV
Project Architect for FEMA-funded project to repair flooding damage including considerable damage to Clay County High School football and softball fields, restrooms and pressbox, lower level gymnasium locker room, gymnasium floor, and bus garage. Work included floodplain analysis of Elk River to evaluate impacts of proposed improvements to athletic fields.

WV Division of Natural Resources, Sled Run Building Renovations;

Thomas, WV
Project Architect for the renovation of the Sled Run ticket and concessions building. The project included an addition and reconfiguration of the existing space.



David C. Hoy, P.E.

Civil/Structural Engineer

Years of Experience: 15
Years with Chapman: 15

Education

B.S., Civil Engineering, 2006
West Virginia University

Registration

Civil Engineer: WV, KY, VA

Affiliations

Chi Epsilon, National Civil
Engineering Honor Society

ASCE, Member

Experience

Dave is experienced in the design of various building structural systems including timber, concrete, steel, and masonry construction, as well as foundation design, including deep foundation systems. He has provided structural engineering on a variety of structures including schools, office buildings, recreation facilities, and water and wastewater treatment structures.

Lewisburg City Hall; Lewisburg, WV

Responsible for the structural design and construction administration of the Lewisburg City Hall stabilization project caused by nearby sinkhole activity. Ground Penetrating Radar (GPR) was utilized to determine the extent of the foundations impacted by the karst geology. With this information, a deep foundation system consisting of micropiles and grade beams was designed and installed in the required locations to support the over 100 year-old foundations.

State Road Commission (SRC) Building; Charleston, WV

Structural Engineer for the renovation of the historic State Road Commission building for the WV Division of Highways. The 40,000 square-foot building houses offices and support facilities for the local highway district. Structural analysis of the existing building, mostly consisting of reinforced concrete, was required to verify that the occupancy loading desired from the owner could be safely supported by the existing structure. This project also included deep foundations for an elevator/stair addition.

Clay County High School HVAC Improvements; Clay, WV

Structural Engineer for the HVAC upgrades project to Clay County High School. Structural analysis of the building was performed to determine if the existing structure could adequately support the new, heavier roof top units. Reinforcing drawings for bar joists as well as supplemental framing plans were provided in areas of the roof that required additional support.

District One Equipment Shop Building; Charleston, WV

Responsible for the structural design of the new \$10 million vehicle equipment shop building for the WV Division of Highways which includes multiple services bays, parts storage, welding shop, and offices. Design included pre-cast concrete wall panels, deep foundations and grade beams, and structural steel framing. An independent crane system was also part of the structural scope of work.

Port of Ashland Sculptures; Ashland, KY

Project Manager charged with the structural design and construction administration for the Port of Ashland Sculptures pedestals. The three sculptures (Venus, Vulcan, and Genesis), created by world renowned artist Gines Serran-Pagan, make up the largest collection of mixed media bronze sculptures in the world. Structural design elements for the pedestals included deep foundations, reinforced concrete, structural steel, and design of a rotation mechanism for Genesis.



Sharon L. Chapman

Interior Design

Years of Experience: 25
Years with Chapman: 24

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

Thomas Memorial Hospital
Foundation

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.



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.



Katherine Menk, PE

Electrical Engineer

Years of Experience: 19
Years with GRW: 4

Education

B.S., Electrical Engineering,
2003, University of
Kentucky

Registration

Professional Engineer,
Electrical: KY

Professional Affiliations and Training

AGi32 Advanced Lighting
Design and Analysis (2021)

AGi32 Advanced
Roadway Lighting Design
and Analysis (2018)

Experience

Katherine's experience with lighting systems design has encompassed settings and projects ranging from offices, parking lots, and warehouse interiors to façade lighting for educational facilities and highway interchange mast lighting. Her areas of expertise include electrical power distribution, communication systems, interior/site lighting, lighting control systems and code compliance. She offers excellent proficiency with the use of AutoCAD, Revit, CATIA V5, CCD Cadex, CADRA, and other programs.

West Virginia State Capitol East Campus Warehouse/Grounds Building;
Charleston, WV

Electrical Engineer. Planning, design, and bidding services for a 26,771-SF warehouse facility with a store, office area, maintenance shop, grounds shop, and equipment storage facility serving the WV Department of Administration, General Services Division.

West Virginia Division of Natural Resources Building 74 Renovation;
South Charleston, WV

Electrical Engineer. Among improvements selected for design are replacement of heating and cooling systems, windows, T5 lighting with LED fixtures, new DDC controls and other items.

Clay County High School Renovation and Addition; Clay, WV

Electrical Engineer. Design and construction administration phase services.

Holt House Restoration; Hardinsburg, KY

Electrical Engineer. Multiphase restoration of historic three-story home circa 1850.

Campbell County Courthouse Clerk's Area Renovation; Alexandria, KY

Electrical Engineer. Renovation of upper floor clerk's area - included electrical/data/communications for new service counter and area layout.

East Kentucky Power Cooperative Headquarters Renovations;

Winchester, KY

Electrical Engineer. Included reconfiguring lighting and power, as well as providing new finishes and HVAC systems.

Covington 6th Street and Scott Boulevard Streetscape; Covington, KY

Electrical Engineer. Included design for electric and communications utilities underground, sidewalk replacement, mast arm signalization, and overall streetscape beautification including pedestrian-scale street lighting, decorative paving accents, curb bump outs and rain gardens.

REFERENCES

1. Mr. Brad Leslie, P.E.
WV Division of Natural Resources
324 4th Avenue
South Charleston, WV 25303
(304) 558-2764
2. Mr. Gary Mullins P.E.
WV Department of Transportation
Division of Highways
1340 Smith Street
Charleston, WV 25301
(304) 205-6983
3. Mark A. Crites
Building Project Management Specialist
General Services Division – Engineering Section
Building 4, Fifth Floor
112 California Avenue
Charleston, WV 25305
4. Mr. Joe Paxton, Superintendent
Clay County Schools
P.O. Box 120
Clay, WV 25043
(304) 587-4266
5. Mr. Ben Newhouse, Community Development Specialist
City of Huntington
800 Fifth Avenue, Suite L7, City Hall
Huntington, WV 25714
(304) 696-5540