



EXPRESSION OF INTEREST

Roof Replacment Projects

West Virginia State University

AEOI 0490 WSC2400000003

March 15, 2024





**Chapman
Technical
Group**
a division of
GRW

March 15, 2024

Ms. William R. Murray, P.E.
Operations Division
Division of Highways
1900 Kanawha Boulevard, East
Charleston, West Virginia 25305

**Re: A/E Consultant Services for the
Vertical Construction**

Dear Mr. Murray:

Chapman Technical Group is interested in providing architectural and engineering services for the vertical construction projects. Our team consist of architects, civil engineers, structural engineers, mechanical and electrical engineers, interior designers, and landscape architects. Phill Warnock, AIA, will serve as the Architect of Record, and Greg Belcher, PE, will be the Responsible Engineer at Chapman Technical Group, both located in our St. Albans office.

Chapman Technical Group has extensive experience completing projects for the Division of Highways and we have an impressive portfolio of successful architectural projects. For the Division of Highways we have designed the standard Rest Areas and Welcome Centers, and the Equipment Maintenance Shop and the renovation of the State Road Commission Building for District 1. We also have extensive experience in site planning and design, as well as vehicle pavement design. We developed the Master Plan for the District 1 campus, which included extensive utility redesign and a streetscape project.

All architectural design work will be done from our St. Albans office. Our parent company, GRW, will perform mechanical, electrical, and structural engineering from its office in Lexington, Kentucky. We will use AutoCAD software for architectural and site design, including Revit and Civil 3D. We use a cost accounting system that can differentiate and identify accumulating costs for each project performed under cost-type projects.

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.

200 Sixth Avenue
Saint Albans, WV 25177

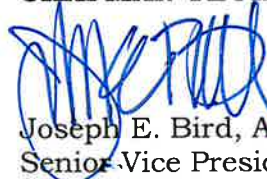
304.727.5501

Buckhannon, WV
Lexington, KY

www.chaptech.com

Sincerely,

CHAPMAN TECHNICAL GROUP



Joseph E. Bird, ASLA
Senior Vice President



**State of West Virginia
Agency Expression of Interest
Architect/Engr**

Proc Folder: 1381631

Doc Description: A&E Services-WVSU Roof Replacement Projects

Reason for Modification:

Proc Type: Agency Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2024-02-21	2024-03-15 14:30	AEOI 0490 WSC2400000003	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 : USA

Zip : 25177

Principal Contact : Joseph E. Bird, Senior Vice President

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**

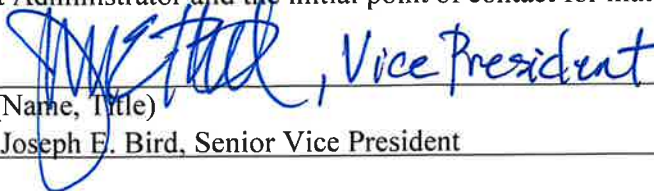
FEIN# 550704766

DATE 3-14-24

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.

 Vice President

(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)

3-14-24

(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

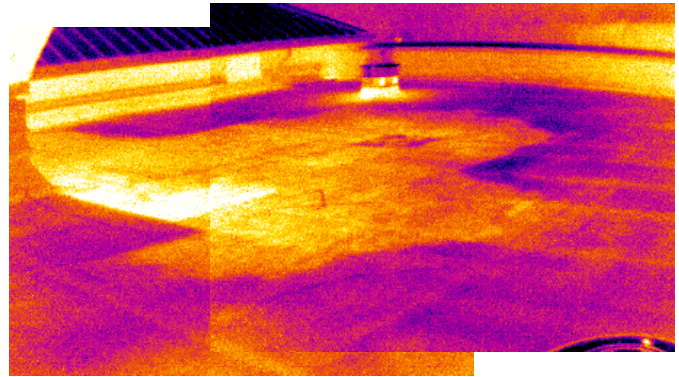


Nuttallburg Historic Mining Complex
WV ASLA Merit Award, 2012

Section 2.0 Project Experience



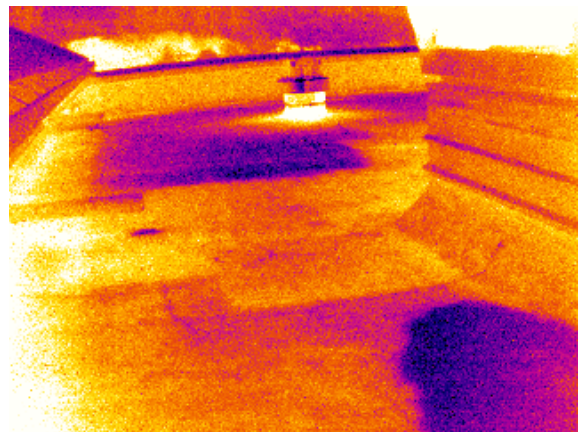
Visual image of area #1



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.



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.





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.



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).





123rd Airlift Wing Roof Replacements

Louisville, Kentucky

GRW provided A/E design services for a \$900,000 replacement of the existing roofs on the Wing Headquarters Building (Bldg 100) and the Maintenance Hangar (Bldg 500).

The new roof for Building 100 is a non-ballasted fully adhered 0.60 mil single ply EPDM membrane roof system with mechanically fastened tapered, rigid insulation and perimeter cants. A complete tear off down to the existing deck was required for this building including removal and disposal of the ballast. Existing copings including membrane flashings underneath the copings were previously replaced to the parapet wall termination bar so roof replacement started at the metal termination bar of the parapet wall. The majority of existing roof structure for Bldg 100 was flat with internal roof drains. For this roof replacement the new roof included new tapered roof insulation to the existing internal roof drains. The existing curved standing seam metal roof over the entrance stairwell was replaced with new standing seam metal roof and metal flashings.

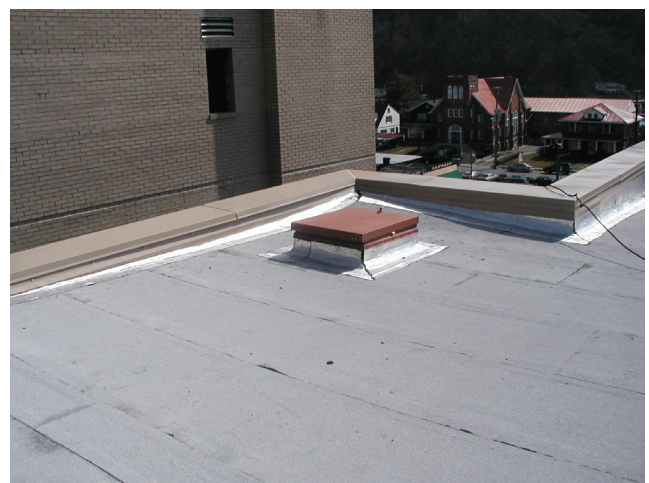
The new roof for Bldg 500 was specified as a tear off down to the existing roof deck and replacement with a 0.60 mil single ply EPDM roof fully adhered with mechanically fastened rigid insulation designed to withstand a 90 mph wind resistance. Metal flashings and copings were replaced completely as part of the contract. Existing lightning protection system air terminals and grounding conductors were removed, re-installed, and re-certified as part of the Contractor's contract.



Harlan County Courthouse Renovations

Harlan, Kentucky

Completed July 7, 1922, the Harlan County Courthouse is constructed of poured-in-place concrete columns, beams, floor slabs and roof deck. The exterior is classically-styled Indiana limestone. To address long-term roofing and ADA compliance issues, the Harlan County Fiscal Court selected GRW to design a phased renovation. The four-story, 31,040 SF building was field-measured, upgrade/renovation issues identified, and phased packages were developed based on the most urgent needs. This phased approach allowed the County to form a long-term budget to complete the renovations. Phase 1 included roof removal, hazardous materials abatement, and reroofing using a SBS modified bitumen system on the main roof and asphalt shingles on the portico. Work also included masonry and metal cornice restoration at the parapet area.





Pulaski County Schools Maintenance Project

Somerset, Kentucky

Northern Middle School: Masonry removal and repairs to large arches at the gymnasium; metal roof flashing replacement adjacent to the masonry repairs; hot water heater replacement; and 2266 SY asphalt paving resurface.

Oak Hill Elementary School: Roof shingle replacement (144.12 SQ) at raised roof clerestories and gymnasium; prep and coat 46,266 SF of low slope roof areas; CMU above roof at main entry paint; clear coating above roof brick masonry; 2488 SY 1" paving milling; 7466 SY 1" asphalt paving resurfacing, and 44 SY new paving to widen radius at bus turn in.

Memorial Education Center (preschool): Replace 4,576 SF of low slope EDPM roofing with SBS modified bitumen; add tapered roof insulation increasing thickness to achieve an R-20; new roof edge metal, fascia metal, gutters, and downspouts; remove and point 200 LF of mortar joints; and replace areas of damaged brick veneer.

Day Treatment Center (alternative school): Removal of existing 28' tall chimney; minimal masonry joint restoration; soffit repair; shingle roofing replacement (97.30 SQ) for southeast half of large classroom wing, northeast half of small classroom wing, multipurpose room (other half of classroom wings was replaced under insurance work previously); multipurpose room small area roof sheathing replacement; low slope roofing (39.04 SQ) and insulation replacement at kitchen; multipurpose room door and window replacement; and replacement of two rooftop mechanical units serving multipurpose room, rooftop kitchen exhaust, and rooftop gas piping.



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.





Lewis County Board of Education Jane Lew Elementary Addition

6536 Main Street
Jane Lew, West Virginia

The project includes five new classrooms, an updated officer suite, and a new building entrance and bus loop. Toilet rooms were also be renovated and new floor finishes was installed throughout the building. A new HVAC system serves the addition, and a new sprinkler system and fire alarm was installed for the entire school. New ceilings and lighting were also provided throughout. The renovations will allow the students to be housed in a single building that provides the safety, security and educational spaces that are required in a modern school.





Logan County Board of Education
Man K-8 School Addition
506 Holley Avenue
Logan, West Virginia

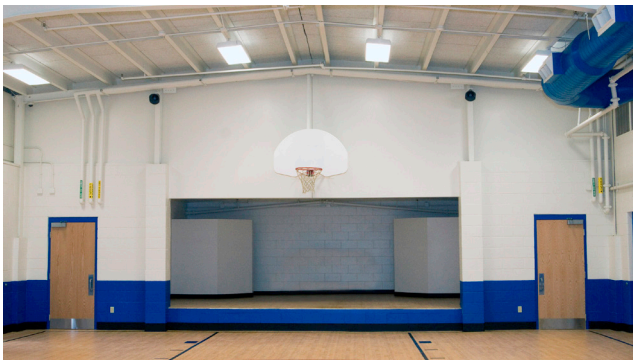
The Man K-8 Addition included the design and space planning for a 9,360 square-foot addition to the existing school. The addition included four new classrooms, a 2,400 square-foot gymnasium/multipurpose room, ADA compliant restroom facilities, and a small landscaped courtyard. The project included all structural, mechanical, and electrical engineering. The design and construction was accomplished in 10 months and nearly 15% below budget.



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 throughout, including renovated toilets rooms.

Services Provided:

SBA Needs Grant Application (2008)
Architectural Design (2008)
Construction Administration Services (2010)

Reference:

Kari Rice, Ritchie County Schools
(304) 643-2991



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, Structural, Mechanical, Electrical, Civil, Landscape Architectue Design (2020)

Construction Administration (2020-2022)

Reference:

Jared Fitzwater, Facilities Director
Clay County Board of Education
(304) 587-4266

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.



Jim Piper, Jr., AIA

LEED AP BD+C

Project Architect

Years of Experience: 36
Years with GRW: 27

Education

Bachelor of Architecture,
1987, University of Ken-
tucky

Registration

Registered Architect: KY,
IN, VA, OH, MI, GA

National Council of Archi-
tectural Registration Boards
(NCARB) Certification

LEED Accredited
Professional BD+C

Affiliations

AIA Kentucky Code Review
Committee (2021)

Kentucky Housing, Buildings
and Construction Advisory
Committee (2016-2017, 2017-
2018)

AIA East Kentucky Chapter
Board of Directors (2017)

American Institute of
Architects (AIA)
Kentucky Masonry

Institute Certified Masonry
Specialist

Steel Window Restoration
Seminar, Kentucky Heritage
Council

AIA School Facilities
Construction A to Z
Continuing Education

Experience

Jimmy has comprehensive architectural services 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 regularly provides leadership in architectural design and project management for new building design and renovation projects such as higher education facilities, municipal buildings, large military campus structures, and historic / cultural renovations / restorations. Jimmy's industry leadership roles include serving on the Board of Directors of the American Institute of Architects East Kentucky Chapter and the Commonwealth of Kentucky's Department of Housing, Building and Construction Committee. Also, because Jimmy worked for five years following graduation as a general contractor, he is very familiar with construction materials, methods, and techniques.

Kentucky Administrative Office of the Courts; Frankfort, KY
Project Manager responsible for assessment of the roof at the Knott County Justice Center to identify failed and underperforming components and to generate a prioritized list of recommended repairs/replacement that will improve reliability and performance.

Fort Knox Warriors in Transition Headquarters Building; Fort Knox, KY
Project Architect responsible for design oversight of the design-build team, as well as coordinating DoD/USACE RFP design guidelines and requirements, code review, design-build proposal documents, design after award, QC review coordination, review submissions coordination, LEED coordination, and construction administration oversight.

Knott County Judicial Center Roof Assessment; Hindman, KY
Project Architect responsible for assessment of roof to identify failed and underperforming components and to generate prioritized list of recommended repairs/replacement that will improve reliability and performance.

Crittenden County Courthouse Facility Assessment; Marion, KY
Project Architect responsible for on-site inspection and assessment to identify building interior and exterior deficiencies, space limitation issues, security concerns, and ADA compliance issues. Report included findings, potential solutions and cost estimates.



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