



ENGINEERING FOR
STRUCTURAL SYSTEMS
MECHANICAL SYSTEMS
ELECTRICAL SYSTEMS
FORENSIC INVESTIGATION

Overview

Allegheny Design Services (ADS) is a consulting engineering firm specializing in structural and MEP building design and building analysis. Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration.

ADS' experience in Design and Project Management includes:

- Commercial Facilities
- Industrial Facilities
- Institutional Facilities
- Educational Facilities

ADS was established by David Simpson, PE, MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. In 2009 MEP engineering services were added, led by Mike Chancey, PE. ADS utilizes a combination of office technology and a motivated staff to deliver projects typically up to \$40 million in construction value. Our clients include architects, contractors, developers, attorneys and insurance companies.

ADS currently utilizes the latest engineering design and BIM software for the development of project work.

Value Added Services

Our company strives to provide efficient, quality engineering services that serve both the needs of the client as well as the needs of the design team. We achieve this level of service by leveraging our extensive project experience with a workflow built upon the cohesive integration of 3D Revit modeling and the latest analysis software. This integration allows us to produce the highest quality designs in the timeframe needed for successful design-build projects. Our staff is comprised of multiple licensed Professional Engineers.

Allegheny Design Services
102 Leeway Street
Morgantown, WV 26505

P 304.599.0771

F 304.212.2396

www.AlleghenyDesign.com

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WV Purchasing Division



MEP KEY PERSONNEL

Gary M. (Mike) Chancey, PE, LEED AP MEP Department Manager

West Virginia Institute of Technology, B.S. Electrical Engineering

LEED Accredited Professional

National Society of Professional Engineers

West Virginia Society of Professional Engineers

American Institute of Architects – WV Chapter

U.S. Green Building Council

PE Licenses in the following States:

West Virginia

Ohio

Pennsylvania

Maryland

David A. Cotton, Jr., PE, LEED AP BD+C Senior Mechanical Engineer

West Virginia Institute of Technology, BS Mechanical Engineering

LEED AP BD+C Professional Accreditation

NCEES Record Certificate

American Society of Mechanical Engineers

HVAC Design Course

U.S. Green Building Council

CAWV Young Contractors Committee

American Society of Heating, Refrigerating, and Air Conditioning

Engineers – West Virginia Chapter

U.S. Green Building Council

National Fire Protection Association

Architects Engineers and Building Officials Chapter Member

PE Licenses in the following States:

West Virginia

Ohio

Pennsylvania

Maryland



Education:

West Virginia Institute of Technology - B.S. Electrical Engineering

Professional Registrations:

Professional Engineer, West Virginia, Ohio, Pennsylvania and Maryland
LEED Accredited Professional

Professional Memberships:

National Society of Professional Engineers
West Virginia Society of Professional Engineers
American Institute of Architects – WV Chapter
U.S. Green Building Council

Continuing Education:

2014 Commercial Buildings Energy Code Workshop—ASHRAE 90.1—2007
2013 Lightfair International, Philadelphia, PA

Professional Experience:

Responsible for project management and electrical design at Allegheny Design Services. Experience includes over 20 years in electrical design and project management for industrial, commercial, residential, institutional, educational, and recreational facilities. Building system design includes lighting, site lighting, power distribution, communications, surveillance, access control, and fire protection. Past accomplishments include design and construction administration of health care, schools, municipal, sports, commercial and retail facilities.

Experience Record:

Allegheny Design Services, LLC, MEP Project Manager	June 2009 to Present
MSES Consultants, Project Electrical Engineer	August 1990 to June 2009
Triad Engineering Consultants, Staff Electrical Engineer	May 1988 to August 1990
Duke Power, Design Engineer	August 1985 to May 1988

Project Experience Includes:

Experience includes estimating, design, project management, coordination, and project engineering for construction projects:

Parish Center for Immaculate Conception Church, Clarksburg, WV
Mountaineer Medical Office Building, Bridgeport, WV
WVU Visitor's Resource Center, Morgantown, WV
Upshur County 911 Center, Buckhannon, WV
Morgantown Event Center, Morgantown, WV
WVU Percival Hall Chiller Replacement, Morgantown, WV
Mylan Pharmaceuticals, Greenbag Road Facility, Morgantown, WV
Bank of Gassaway, Flatwoods, WV
Veterans Nursing Facility, Clarksburg, WV
Harrison Co. 4-H & Recreation Center, Clarksburg, WV
Robert L. Bland Middle School Renovation, Weston, WV
Stonewall Jackson Resort Lodge, Stonewall Jackson Lake, WV
Ripley Municipal Building, Ripley, WV
Wheeling Jesuit Science and Technology Building, Wheeling, WV
VAMC Primary Care Renovation, Clarksburg, WV
National Guard Hangar, Harrison Marion Regional Airport, Bridgeport, WV
Fairmont State University Athletic Field Lighting, Fairmont, WV
Harrison Marion Regional Airport Runway Extension, Bridgeport, WV
Various school renovations and additions
Streetscape projects in Clarksburg, Bridgeport, Weston, Morgantown, and WVU



DAVID A. COTTON, P.E., LEED AP BD+C
SENIOR MECHANICAL ENGINEER

Education:

West Virginia Institute of Technology – B.S. Mechanical Engineering

Professional Registrations:

Professional Engineer, West Virginia, Pennsylvania, Ohio, Maryland and Virginia.
LEED AP BD+C Professional Accreditation
NCEES Record Certificate

Professional Memberships:

American Society of Heating, Refrigerating and Air-Conditioning Engineers
- Secretary Mountaineer Chapter
- Student Activities Chair Mountaineer Chapter
U.S Green Building Council
National Fire Protection Association
- Architects Engineers and Building Officials Chapter Member

Continuing Education:

2009 ASME HVAC Systems: Sizing and Design - April 27-29 - Orlando, FL
2013 Commercial Buildings Energy Code Workshop - ASHRAE 90.1 - 2007 - West Virginia University
2013 Mitsubishi Diamond Designer Seminar 1 - October 31 - Charleston, WV

Professional Experience:

Responsible for HVAC & plumbing design at Allegheny Design Services. Experience includes mechanical design and project management for industrial, commercial, institutional, education, and recreational facilities. Building system designs include packaged gas heating / dx cooling, split systems, air distribution systems, boiler & chiller systems, VAV & VVT zone control, indoor air quality ventilation and server room cooling. Plumbing systems include sanitary, domestic water, fuel gas, and storm drainage. Implemented sustainable building design concepts, and provided construction administration to achieve LEED certification for new construction projects.

Experience Record:

Allegheny Design Services, LLC, Senior Mechanical Engineer	June 2009 - Present
March-Westin Company, Project Manager	August 2006 - June 2009
Contracting Engineering Consultants, Detailer	May 2006 - August 2006
Special Metals, Corrosion Lab Technician	May 2005 - January 2006
Oasis Landscaping, Landscaper	May 2004 - September 2004
GC Services, Account Representative/Team Leader	May 2002 - October 2003

Project Experience Includes:

Experience includes estimating, design, project management, coordination, and project engineering for construction projects:

Beitzel / Pillar Innovations Office Building, Morgantown, WV
GSA Charleston LEED Administration, Charleston, WV
Jerry Dove Medical Office Building, Bridgeport, WV
Percival Hall Chiller & Cooling Tower Replacement, Morgantown, WV
Thrasher Engineering Office Building, Bridgeport, WV
RL Bland Middle School Field House Renovation, Lewis, WV
South Ridge Church, Fairmont, WV
Steptoe and Johnson Office Building, Clarksburg, WV
Upshur County Communication Center, Buckhannon, WV
WVU Alumni Center, Morgantown, WV
WVU Biomedical Research Facility, Morgantown, WV
WVU Milan Puskar Locker Room Renovations, Morgantown, WV
WVU Office Fitout at Marina Tower, Morgantown, WV
WVU Creative Arts Center Rehearsal Hall, Morgantown, WV



Education:

West Virginia University - Morgantown, WV - B.S. Mechanical Engineering

Professional Registrations:

West Virginia EIT Certification

Professional Memberships:

WVU Student Branch of American Society of Heating, Refrigerating and Air-Conditioning Engineers

* President for Spring 2015 semester

* Treasurer for Fall 2014 semester

Professional Experience:

Responsible for assistance in HVAC & plumbing design at Allegheny Design Services. Experience includes mechanical, electrical, plumbing designs and construction administration, for state government, educational, recreational and commercial facilities. Mechanical system designs include packaged gas heating, dx cooling, split systems, air distribution systems, boiler and chiller systems, VAV & VVT zone control and server room chilling. Electrical system designs include power distribution, lighting, communications, and fire protection. Plumbing system designs include sanitary, domestic water and fuel gas.

Experience Record:

Allegheny Design Services, LLC, Jr. Mechanical Engineer	June 2015 - Present
Allegheny Design Services, LLC, Engineering Intern	March 2015 - May 2015
Miller Engineering, MEP Engineering Intern	May 2014 - March 2015
Clarkson Enterprises, Maintenance Worker	May 2008 - August 2011
St. Sebastian's Church, Maintenance Worker	August 2007 - August 2009

Project Experience Includes:

Experience includes estimating design, construction administration, and /or project engineer for projects:

Beech Fork State Park, Barboursville, WV
Canaan Valley State Park, Davis, WV
Bartlett House, Morgantown, WV
DHHR Office Building, Parkersburg, WV
Bobtown Elementary School, Bobtown, PA
Dorsey Elementary School, Morgantown, WV



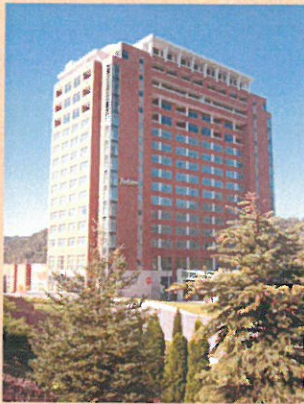
Allegheny
Design Services
Consulting Engineers



102 LEEWAY STREET MORGANTOWN, WV 26505
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CONSULTING ENGINEERING FIRM SPECIALIZING IN STRUCTURAL & MEP DESIGN AND BUILDING

HOTELS & CONFERENCE CENTERS



HEALTH CARE



SPORTS & RECREATIONAL
ATHLETIC FACILITIES &
VIDEO BOARDS

BALLPARK OF THE YEAR!



Welcome to Allegheny Design Services

Allegheny Design Services is a consulting engineering firm specializing in Structural & MEP building design and analysis.

Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service engineering service for our clients. ADS provides all phases necessary to successfully complete a building project including: schematic design, design development, construction documents and specifications, and construction administration. Our straightforward approach provides our clients with efficient and creative solutions to their project.

Specialties—Structural Engineering, Mechanical, Electrical, and Plumbing Engineering, Building Information Modeling, System Engineering

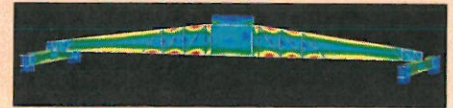
OFFICE BUILDINGS



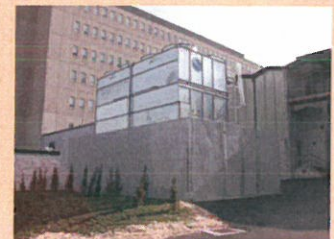
PARKING GARAGES



INDUSTRIAL



COOLING TOWERS





Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

UHC Clarksburg Clinic - HVAC & Fire Alarm Clarksburg, WV



**MEP ENGINEER:
CONTRACTORS:**

Allegheny Design Services, LLC, Morgantown, WV
A Durer, Inc. , Morgantown, WV
Tri-County Electric, Morgantown, WV

PROJECT SCOPE:

- Replaced 70 ton and 35 ton DX cooling / gas heating rooftop units.
- Selective replacement of existing VAV units.
- Replaced existing pneumatic control devices with new electronic DDC devices.
- Install new addressable type fire alarm control system for the entire building.

PROJECT VALUE: \$ 430,000

PROJECT COMPLETION: 2013



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Highland Hospital Suite Renovation—Phase II Clarksburg, WV



MEP ENGINEER:

Allegheny Design Services, LLC, Morgantown, WV

CONTRACTOR:

RC General Contractors, Charleston, WV

PROJECT SCOPE:

- Renovation of 10,000 SF Suite
- Reconfigure air distribution ductwork for central multi-zone air handling units
- Upgrade plumbing fixtures and reconfigure plumbing connections to existing facility.

PROJECT VALUE:

\$ 650,000

PROJECT COMPLETION:

2016



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Johnson Elementary School Access/Safety Improvements Bridgeport, WV



MEP ENGINEER:

Allegheny Design Services, LLC, Morgantown, WV

CONTRACTOR:

Huffman Corporation, Bridgeport, WV

PROJECT SCOPE:

- 1400 SF School Entrance with Principal's Offices, Conference Room and Secured Entrance Vestibule.
- Rooftop Unit with Gas Heat and DX Cooling.
- High Efficient Fluorescent Lighting.
- Extended Existing Fire Alarm System.

PROJECT VALUE:

\$275,000

PROJECT COMPLETION:

August 2012



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Medbrook Medical Office Building for United Hospital Center Bridgeport, WV



MEP ENGINEER:
CONTRACTOR:

Allegheny Design Services, LLC, Morgantown, WV
Stuart-McMunn Company, Clarksburg, WV

PROJECT SCOPE:

- Counter Flow Cooling Tower and High Efficiency Boiler.
- Selective Replacement of Water Source Heat Pump Equipment.
- Packaged DX Rooftop Unit with Gas Heat
- Replacement of existing Building Automation System and Integration of all existing and New Equipment.

PROJECT VALUE:

\$ 500,000

PROJECT COMPLETION:

December 2014



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Sunnyside Commons Morgantown, WV



MEP ENGINEER:
CONTRACTOR:

Allegheny Design Services, LLC, Morgantown, WV
March-Westin Company, Inc., Morgantown, WV

PROJECT SCOPE:

Ground was broken, July 29, 2015 on the latest private student housing project in Morgantown.

U Club Sunnyside will be built off of Jones Avenue at the site of the former Sunnyside Commons apartments. It will have more than 500 beds and feature amenities like a pool, a nearly 8,500-square-foot community center, a fitness center and study rooms.

PROJECT VALUE: \$ 30 Million

PROJECT COMPLETION: 2016

Firm Qualifications





FIRM DESCRIPTION

Designing on the principles of the past and preserving for the future.



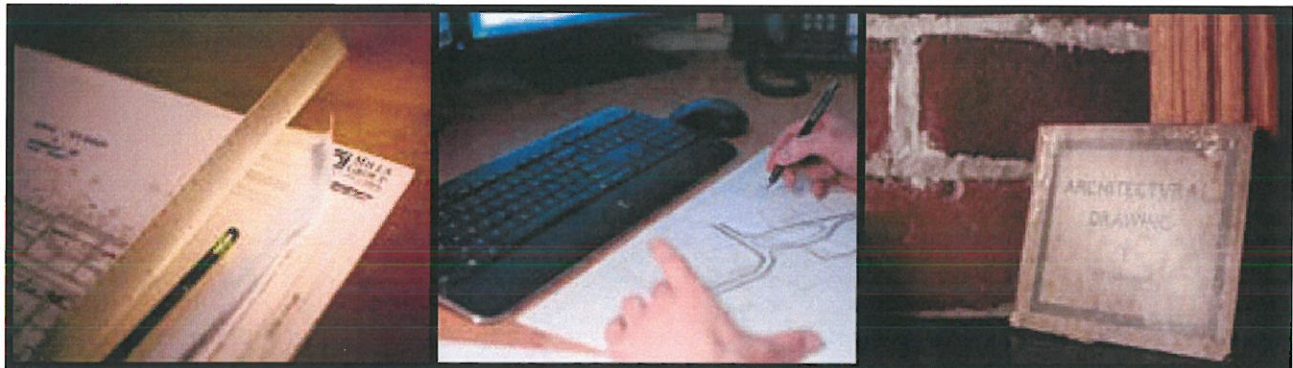
Mills Group is a collection of architects, designers and researchers dedicated to innovative design and quality work. In 2005 Michael Mills, AIA, of Morgantown answered a market demand for architects with a special skill set. By 2013 the firm expanded to Wheeling to include more talents over a broader geographic range.

The firm's success is a product of diligently understanding client needs, existing conditions, design goals and budget. Our

process is built on the foundation of research, client collaboration and creative solutions. The team looks to the region's architectural heritage for inspiration to celebrate the best of the past and promote economic vitality for the future.

Mills Group happily serves public and private clients. Public sector patrons who have sought our services include cultural agencies, development offices and schools. Other architects and engineers, developers, homeowners and business people are counted among our private clients.

The firm is committed to a quality end product derived from experience, diligence, and collaboration. Clients can always count on us to maintain our efforts from concept to ribbon cutting.



ARCHITECTURE ■ PLANNING ■ PRESERVATION



RESUMES

Firm Staffing: Who are we?

Our firm currently has eight technical staff members located in the Morgantown office and an office manager/administrator. Our Wheeling office has four technical associates and an office manager. Although we have two offices, we work very closely together and frequently meet through the use of interactive web conferencing and in-person get-togethers. Each team member has a well-rounded architectural background while also possessing a specific area of excellence. Resumes of the technical staff are included in this proposal.



ARCHITECTURE ■ PLANNING ■ PRESERVATION

Michael J. Mills, AIA

Principal Architect



Mr. Mills leads all facets of the daily operations of the Mills Group. Mr. Mills has nineteen years of experience in historical preservation, architectural design, and planning. Through his extensive work with historic structures, he has a detailed working knowledge of the Secretary of the Interior's Standards for Historic Preservation Projects. His work includes interior and exterior preservation, window restoration, foundation waterproofing, roof repair, integration of MEP systems in a historic structure and the design of interpretive exhibits for historic structures. The other aspects of his work include historic design guidelines, contextual design of new structures, and the issues related the revitalization of main streets across the country.

Education:

BS, BARCH/1993/
Rensselaer
Polytechnic Institute

Professional Registrations:

West Virginia
Virginia
Ohio
Pennsylvania
Massachusetts
NCARB Member

Experience:

Morgantown Market Place - Morgantown, WV

Mills Group collaborated with the City of Morgantown, its Parking Authority, and Main Street Morgantown to design a structure that serves as an outdoor market, as well as sheltered parking for employees and patrons of the city's downtown business district. Such a structure is sustained by its fabricated steel construction, solar reflecting metal roof which mitigates urban heat island effects, and rainwater collection.

Davis & Elkins College Amphitheater - Elkins, WV

The Community of Elkins hosts a large outdoor festival each year dedicated to the preservation and conservation of the state's natural resources. Mills Group was hired to design a concept to serve the community and honor the regions cultural heritage. The overall design of the 3200 seat amphitheater includes graded terraces, a covered stage, restrooms, ticketing booth, concession stand and a backstage area. The amphitheater's design respects the natural and existing built environment.

Glenmark Stewartstown Road Commercial Office Building- Morgantown, WV

This 20,000 square foot structure provides three levels of general office space with flexibility to accommodate several tenants. Amenities include conference areas with expansive views, and loft-style open offices that compliment many private offices, some of which accompanied by private, heated garages.

Bartlett House - Morgantown, WV

This 27,000 sq. ft. adaptive reuse and new addition is arranged to allow for natural daylight and ventilation of all major spaces and focuses on a large central gathering space both inside and in a planted atrium. The design allows for future expansion of the facility, and two more phases to be completed in the next three years that includes a playground, walking trail, and a garden

Heritage Farm Village - Huntington, WV

Michael led the team to design an interactive playground to complement Heritage Farms, a hands-on outdoor museum dedicated to educating the public about Appalachian life in the 19th and early 20th centuries. Building upon the Six Simple Machines, the concept educates children about agriculture and the tools necessary to accomplish tasks related to wind, water, agriculture and livestock.

WVU Greek Masterplan - Morgantown, WV

West Virginia University Greek Fraternities and Sororities have identified a need for strategic planning of existing and future facilities. Initiating current chapter presidents, alumni, University and City officials, and local landowners, this preliminary plan outlays the feasibility of such efforts for WVU and the community.

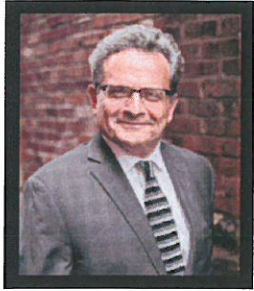
Monongalia County Courthouse Renovations - Morgantown, WV

The City of Morgantown chose Mills Group to create a conceptual masterplan of the Courthouse Building and Plaza renovations through the strategic integration of outdoor and indoor spaces. Based on the historic heritage of the area, the design includes a more distinguished entrance, pedestrian accessibility and well-defined transitional spaces for community use, as well as the upgrade of interior spaces, including relocation of the main staircase and the addition of an ADA compliant lift.



Victor Greco, AIA

Principal Architect



Mr. Greco leads our Wheeling Office and has over thirty years of experience in historical preservation, architectural design and planning. Victor takes a holistic approach to create design solutions that address the complexities of historic restoration projects, as well as programming and master planning for future growth. He is detail-oriented and pragmatic, working hands-on with clients to ensure their needs are served efficiently and comprehensively. Victor has been recognized state-wide with numerous awards and news articles on his projects and accomplishments. He is very active with Rotary and serves on the Easter Seals Board. Victor is also a Commissioner on the West Virginia Archives and History Commission and a Member of the Wheeling Historic Landmarks Commission.

Education:

BS, BARCH/1983
University of
Kentucky

Professional Registrations:

West Virginia
Maryland
Ohio
Pennsylvania
NCARB Member

Experience:

The Kaley Center, Wheeling, WV

Victor assisted in the rehabilitation of the Kaley Center, an existing 10 story building in downtown Wheeling. The renovations included a complete facade restoration, installation of new windows, the installation of new mechanical, electrical, plumbing, fire protection systems and elevators all while meeting the Secretary of the Interiors Standards. Also, the interior was completely renovated with new finishes throughout.

West Liberty University, Media Arts Center – Wheeling, WV

The Media Arts Center is a 10,600 sq.ft. addition to the Hall of Fine Arts building located on the campus of West Liberty University. The addition created a variety of new studios with qualities focused on optimum sound and audio control. New and renovated computer labs, a digital video editing room, an engineer core, a recording studio and a television studio with an attached control room that currently produces numerous ongoing programs draws many new students to the Media Arts program.

Oglebay Wilson Lodge Original Wing Schematic Design, Wheeling, WV

Victor led the schematic design concepts for the renovation and addition to the original wing of Wilson Lodge. Our team conducted a site inventory and developed a design that illustrated the lodge's new model room. Additional work included the development of new points of entry as well as a third level addition to supply the lodge with additional guest rooms.

WV Northern Community College, Applied Technology Center – Wheeling, WV

The project was the restoration of a former auto dealership in downtown Wheeling to create the Applied Technology Center. The 18,900 sq.ft. facility houses labs for welding, diesel and refrigeration/heating/air conditioning instruction along with a large classroom, offices and reception area on the first floor of the building. The second floor includes a classroom and the Mechatronics lab, a new program that prepares students to be electrical and industrial maintenance technicians.

Health Plan- Wheeling, WV

The Regional Economic Development (RED) Partnership hired Mills Group to study the proposed sites in downtown Wheeling for the development of a new headquarters for the Health Plan, a non-profit community health organization currently headquartered in St. Clairsville, Ohio. The 51,000 sq ft building will be four stories in height and occupy 1.3 acres of land in addition to parking, greenspace and an amphitheater. The design will also include storm water retention through bioswales and landscaping elements that filter pollutants from surface runoff.

The Boury Lofts-Wheeling, WV

Wheeling's landmark Boury Warehouse is being adapted to loft apartments utilizing state and federal Historic Tax Credits. The six-story building will have 86,000 sq ft for renters to enjoy in a fully renovated structure that retains its historic character along the Ohio River. Historic elements including interior timbering, window forms and a railroad track into the building will be featured. Seventy-three apartments ranging from 1-to-3 bedroom units will house tenants with amenities including two elevators, a lobby, tv lounge, mail room, fitness center and coffee lounge.



Ryan K. Hess, LEED AP

Director of Sustainable Design



Ryan is responsible for leading the office in the sustainable design market and serves as our expert on LEED projects. As such, he pursues client opportunities, manages projects, and incorporates sustainable principles into all his designs. Ryan has also improved the efficiency of the office through in-house project management. Additionally, Mr. Hess volunteers his time lecturing students interested in pursuing a career in architecture, mentors architectural interns as well as serves on various city redevelopment committees.

Experience:

Williamson Health and Wellness - *Williamson, WV*

Williamson native Dr. Donovan Beckett tasked the Mills Group to design new space for an expanded clinic in the vacant second storey of his building using the Leadership in Energy and Environmental Design (LEED) guidelines. Such standards would ensure efficient energy performance and use of resources while also serving as a benchmark for the first in the state of West Virginia. Additionally, the importance of a national (now international) certification would provide inspiration for the once major export town of Williamson.

Bartlett House - *Morgantown, WV*

This 27,000 sq. ft. adaptive reuse and new addition is arranged to allow for natural daylight and ventilation of all major spaces and focuses on a large central gathering space both inside and in a planted atrium. The design allows for future expansion of the facility, and two more phases to be completed in the next three years that includes a playground, walking trail, and a garden

Urings General Store Building - *Wayne, WV*

The Mills Group was contracted by Coal Field Redevelopment Corporation to execute a design charrette for the adaptive reuse of this historic building in the middle of Wayne, WV. The Mills Group has subsequently been awarded the task to complete the construction documents for this mixed use project.

Preston County Poor Farm Master Plan - *Kingwood, WV*

Sustainable design features were incorporated into this master plan prior to the first structure being built. A general east-west layout, the master plan creates sites ideal for maximizing solar gain and harvesting natural cooling. In addition to planning the site, Mills Group also developed, in partnership with the County Commission, design guidelines for various building types including renderings, crosswalks, landscaping, and other amenities that were adopted as covenants and restrictions for the development.

Morgantown Market Place - *Morgantown, WV*

Mills Group collaborated with the City of Morgantown, its Parking Authority, and Main Street Morgantown to design a structure that serves as an outdoor market, as well as sheltered parking for employees and patrons of the city's downtown business district. Such a structure is sustained by its fabricated steel construction, solar reflectant metal roof which mitigates urban heat island effects, and rainwater collection. Water falling on the roof will be harvested on site and will irrigate the native species vegetation that doubly acts as a bio-swale, which naturally filters pollutants in the rainwater that collect from the parking surface, as well as regenerates the site's soils.

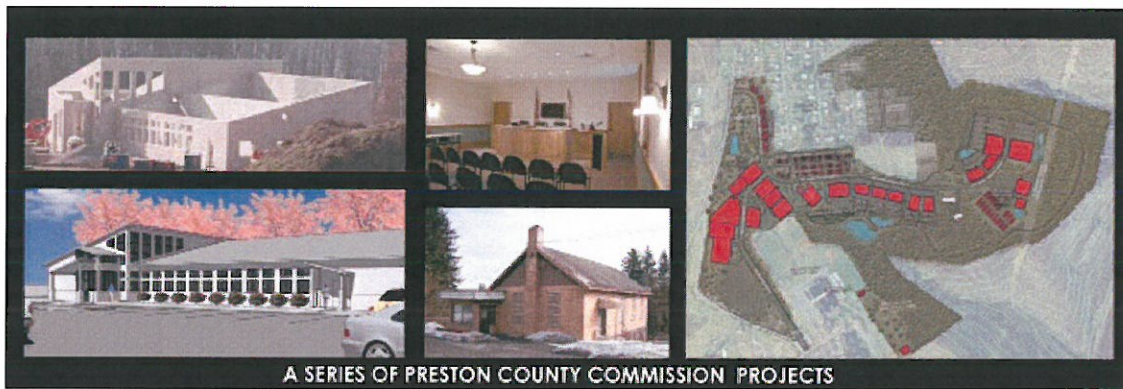
Glenmark Light Commercial/Industrial - *Morgantown, WV*

Mills Group was hired by Glenmark Holdings to design two different sites simultaneously that would each consist of light commercial / industrial buildings with office support. Along Greenbag Road, a site plan was submitted to the City of Morgantown (and approved) consisting of two (2) 6,000 gsf with shared parking and a phased masterplan. Design for these modern buildings with farmhouse aesthetic were also reviewed by the City, approved, and are now under construction. In the Chaplin Hill Business Park, a 30,000 gsf building was designed within a 1-acre site for warehouse and office space. The site was designed to accommodate large trucks for arrival deliveries and departing shipments. A modern, edgy aesthetic was supported by metal cladding in the design submission, which was approved; the building is now under construction.



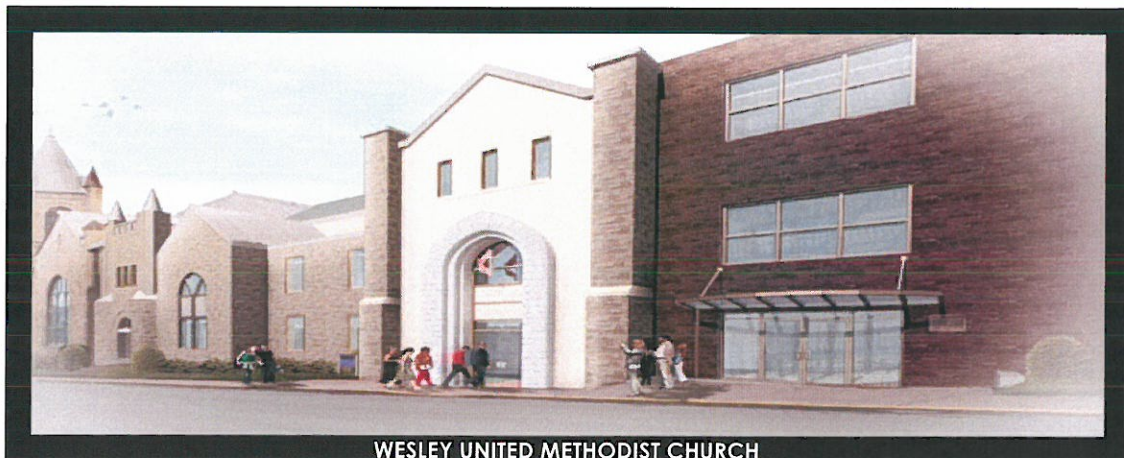
The Mills Group has a wealth of experience within the architecture, preservation and planning divisions.

Architecture: Since the summer of 2007, the Preston County Commission chose the Mills Group as their architecture of choice. Our work together included the design of the County Commission's public meeting room and secure storage facility. Our team developed construction documents for a 7,000 sq. ft. Call Center/Office of Emergency Management and master plans for a 220 acre County Farm and Sheriff's facility.

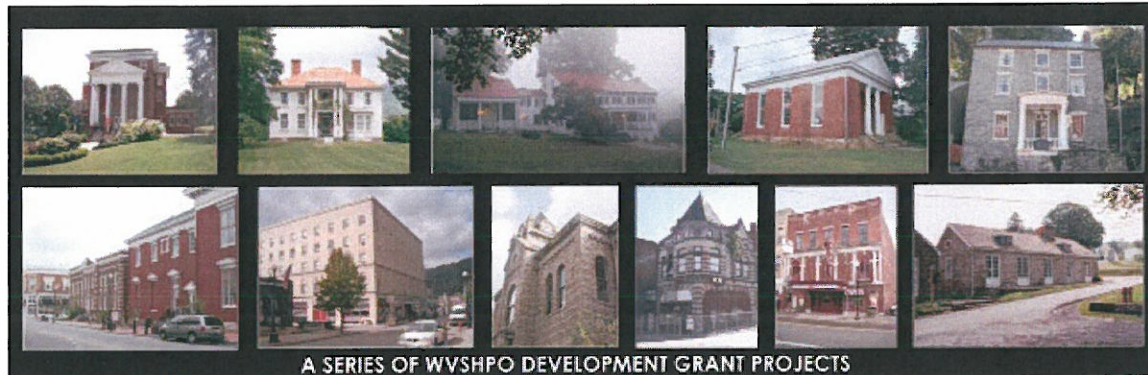


More recently, the Mills Group designed a new 109 room Homewood Suites hotel in the Charles Pointe Development in Bridgeport. This design caters to the long-term traveler with each suite containing a small kitchen, a generous bath and ample space to create a living room arrangement. This project cost approximately \$8 million to complete.

Our team provided design services for the Wesley United Methodist Church to create a functional and aesthetically pleasing entry into their community facility. This accessible design accommodates members and guests by following the ADA guidelines.



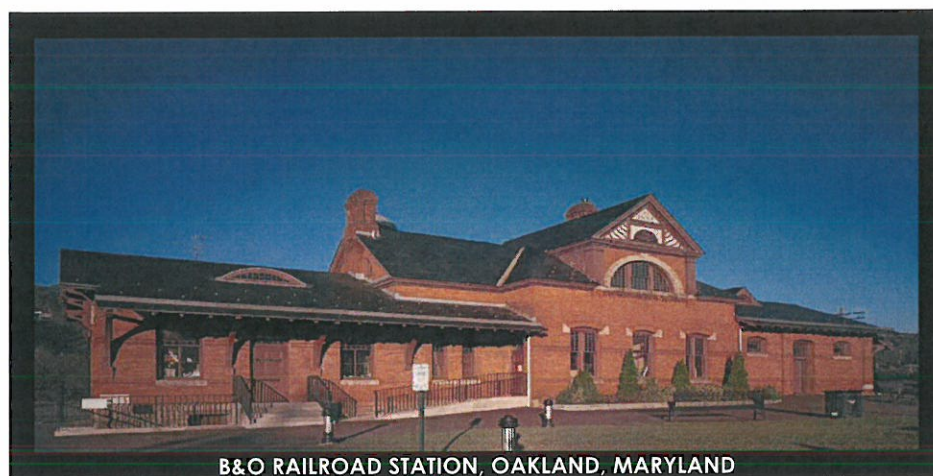
Preservation: Since 2006, the State Historic Preservation Office (SHPO) annually awarded the Mills Group a contract to provide technical assistance and grant monitoring for a range of projects ranging in construction value from \$5,000 to \$350,000. The scope of work often range from masonry and window restoration, to roof and exterior millwork rehabilitation. Our clients range from the homeowner with no construction background to facility maintenance directors with numerous years of experience.



Michael Mills, our firm's founder manages this contract because of his desire to interact with clients across the state and educate both historic property owners and contractors on proper preservation techniques.

We recently developed a rehabilitation plan for the Berkeley Springs Train Depot. This project included conducting historic research and material analysis of the clay tile roof in order to specify the correct shape of the tile. Additionally, the project included a Section 106 compliance narrative illustrating the project's adherence to the Secretary of the Interior's Standards for Rehabilitation.

Vic Greco, principal architect, designed the award winning historic rehabilitation of the B&O Railroad Station in Oakland, Maryland. This building became the town's new visitor's center and includes a small theatre and museum. In order to replicate the original design, the team utilized slate mined from the same quarry as the original roof tiles.



Our historic resources staff recently completed a county wide reconnaissance survey of Grant County, identifying over 700 historic buildings. These resources were each documented with high resolution photography, described on a Historic Property Inventory form and pin pointed on a topographic GIS map. This project's future goal is to give the State Historic Preservation Office an "at a glance" understanding of the county's historic resources and allows them to provide quick feedback for potential project impact.

Planning: The Mills Group believes that sound planning practices are the best way to ensure long term success of a project. In 2013, the Greek Life Center at West Virginia University hired Mills Group to complete a master plan of the Greek Village. This plan, rendered digitally in 3-D, provided a graphic illustration of the possibilities of the project area utilizing the undulating topography to create an interesting and diverse design.



West Virginia University hired the Mills Group to develop a master plan for a housing development catering to visiting professors. This project, in addition to site design, aimed to preserve the pastoral feeling of the agricultural area. Our planners conducted solar and wind studies to determine the best placement for the homes.





MILLS GROUP

ARCHITECTURE ■ PLANNING ■ PRESERVATION

WVSDB - Barn Restoration

Location: Romney, WV

Client: West Virginia Schools for the
Deaf and Blind

Services: Planning

The Weiss Building
63 Wharf Street, Suite 300
Morgantown, WV 26501
(304) 296-1010

The Kaley Center
53 14th Street, Suite 607
Wheeling, WV 26003
(304) 233-0048

Visit us at www.millsgrouponline.com



The WV Schools for the Deaf and the Blind are in the process of exploring an incredible opportunity. Those opportunities are connected to the school's barn, which has been in disuse since the 1950's and is currently in a state of disrepair. The barn was built in 1930 and has a unique 'U' shape allowing it to essentially be 3 barns under a single roof.

The WVSDB was in effect the first school to offer what is now referred to as a "farm to table" program. Students canned applesauce, pears, peaches, catsup and tomato juice and supplied all the eggs for the school. Their cows produced 30,000 gallons of milk. Students also butchered their own pork and beef. In addition, the school maintained its own bakery, cobbler shop, chair caning shop, dry cleaning business, wood working, upholstery shop and offered piano tuning services to the community. In short, the vision is to refurbish the barn and once again be able to offer students the opportunity to raise their own beef and pork as well as to grow and harvest fresh fruits and vegetables

Mills Group is currently developing specific recommendations as to how to restore the barn to its original splendor and use. The goal is to pursue inclusion of the barn on the National Historic Registry. Should that be accomplished, it would afford access to additional funding/grant opportunities. Restoration of the barn would create a multitude of 'hands on' learning opportunities for WVSDB students.

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MILLS GROUP

ARCHITECTURE ■ PLANNING ■ PRESERVATION

Urlings General Store

Location: Wayne, WV

Client: Wayne County Housing Authority

Services: Adaptive Reuse Concept and
Bidding/Construction Documents

Construction Value: \$1,000,000
(estimated)

The Weiss Building

63 Wharf St., Suite 300 - Morgantown, WV 26501

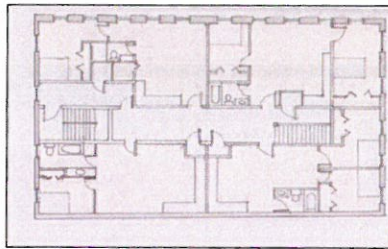
(304) 296-1010

The Kaley Center

53 14th St., Suite 607 - Wheeling, WV 26003

(304) 233-0048

Visit us at www.millsgrouponline.com



Mills Group was sought by Coalfield Redevelopment Corporation to execute a design charrette for the adaptive reuse of this historic building in Wayne, WV. Subsequently, Mills Group was awarded the task to complete the construction documents for this mixed use project.

Serving as a catalyst for community revitalization and increased affordable housing development, the once blighted building project will: 1) Provide five affordable multi-family rental units. 2) Revitalize downtown Wayne by renovating a dilapidated, empty building and turning it into a place of residence, empowerment, and commerce 3) Build community, self-confidence, and life skills by providing a community empowerment space available to all Wayne County residents and nonprofit organizations. 4) Develop a permanent office for the Housing Authority of Wayne County and Coalfield Development Corporation. The rehabilitation was as environmentally sustainable and energy efficient as possible so that it will serve as a model for all of Wayne County.

The top floor will have four one bedroom units; the ground (middle) level will have a one bedroom, accessible unit as well as three offices for the Housing Authority of Wayne County and the Coalfield Development Corporation. A large community empowerment space will take a majority of ground level square footage. A smaller portion of the groundlevel floor will be devoted to a cooperative local artisan business storefront. The bottom floor basement is currently used for storage.

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MILLS GROUP

ARCHITECTURE ■ PLANNING ■ PRESERVATION

Delmonte Hotel

Location: Elkins, WV
Client: Randolph County Housing
Services: Historic Documentation &
Restoration Documentation
Construction Value: \$200,000

The Weiss Building
63 Wharf Street, Suite 300
Morgantown, WV 26501
(304) 296-1010

The Kaley Center
53 14th Street, Suite 607
Wheeling, WV 26003
(304) 233-0048

Visit us at www.millsgrouponline.com



The Mills Group was contracted by Mountain Partners in Community Development to survey the Delmonte Hotel on Railroad Ave. in Elkins for the concept design and adaptive reuse of the structure. Built in 1899, and modified in 1906, The Delmonte was central to Elkins' railroad industry. Rail workers, passengers, and locals could all be found in the first floor restaurant.

When Mountain Partners purchased the building in 1998, it had suffered from years of neglect making it unsafe and at risk to major deterioration. The building assessment and redevelopment concept plan utilized the first floor of the building as a restaurant and the upper levels as office space.

Retaining the Delmonte's historical integrity was a key motivator in this design. The sensitive use of space and architectural elements such as door hardware and wood windows and moldings maintained its sense of place in history while it was adapted to a modern use.

The firm has executed construction documents for the buildings current owner, the Randolph County Housing Authority. The scope involved the complete exterior restoration, including masonry, wood windows, exterior doors, millwork, and ADA access.

On the exterior, all of the original wood windows were completely restored to working order, the entire exterior was cleaned and repointed, and all of the trim work was cleaned and painted, retaining the Delmonte's rich historical integrity.

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MILLS GROUP

ARCHITECTURE ■ PLANNING ■ PRESERVATION

The Boury Lofts

Location: Wheeling, WV
Client: Woda Group Inc.
Services: Architectural Construction
Drawings, Construction Administration
Construction Value: \$10 million

Owner's Representative:
Joseph DiCesare
Director of Construction
Woda Group Inc.
229 Huber Village Blvd., Suite 100
Westerville, OH 43081
614-396-3200

The Weiss Building
63 Wharf Street, Suite 300
Morgantown, WV 26501
(304) 296-1010

The Kaley Center
53 14th Street, Suite 607
Wheeling, WV 26003
(304) 233-0048

Visit us at www.millsgrouponline.com



Wheeling's landmark Boury Warehouse is being adapted to loft apartments utilizing state and federal Historic Rehabilitation Tax Credits. Once the home of a grocery company, wool and ginseng exporters and coffee roasters, the stylish wood and brick structure will contribute to the Central Business District's rebirth. Neighboring Mills Group projects include West Virginia Northern Community College's Applied Technology Center, Student Center and Administrative Building.

The six-story building will have 86,000 sq ft for renters to enjoy in a fully renovated structure that retains its historic character along the Ohio River. Historic elements including interior timbering, window forms and a railroad track into the building will be featured. Seventy-three apartments ranging from 1- to 3-bedroom units will house tenants with amenities including two elevators, a lobby, tv lounge, mail room, fitness center and coffee lounge.

This project is emblematic of Mills Group's commitment to sustainability by retaining historic structures that serve present needs in a sensitive way.

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West Virginia University
Bill Linn
Capital Project Manager
(304) 293-2878

Mylan Pharmaceuticals
Paul Braham
Associate Director of Corporate Facilities
(304) 599-2595 Ext. 5626

Health Access
Jim Harris
Executive Director
(304) 622-2708

United Hospital Center
Geoff Marshall
VP Support Services
(681) 342-1220

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.

David Cotton, Senior Mechanical Engineer

 (Name, Title)
 David Cotton, Senior Mechanical Engineer

 (Printed Name and Title)
 102 Leeway Street, Morgantown, WV 26505

 (Address)
 304-599-0771 304-212-2396

 (Phone Number) / (Fax Number)
 dcotton@allegghenydesign.com

 (email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, 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 State 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.

Allegheny Design Services, LLC

 (Company)


 (Authorized Signature) (Representative Name, Title)
 David Cotton, Senior Mechanical Engineer

 (Printed Name and Title of Authorized Representative)
 06-15-2017

 (Date)
 304-599-0771 304-212-2396

 (Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Allegheny Design Services

Authorized Signature: David R. Simpson Date: 6-19-2017

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 19 day of June, 2017

My Commission expires March 28, 2022

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 02/01/2015)

