

Expression of Interest for Various
Department Of Administration
Maintenance Projects
GSD146440



PO Box 469
Alum Creek, WV 25003



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING



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DLMDECISIONS LLC

07/24/14 09:45:50AM
West Virginia Purchasing Division

July 23, 2014

Mr. Guy Nisbet, Senior Buyer, File 21
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305-0130



Re: Expression of Interest for Design Service for Various Department of Administration
Maintenance Projects
GSD146440

To the Selection Committee:

With over 25 years of experience, **CAS Structural Engineering** provides professional structural engineering services for a variety of building projects, ranging from new construction to additions and renovations, to repairs and historic preservation. **Carol A. Stevens, PE**, is the firm president and will be the engineer of responsible charge for this project. Ms. Stevens has over 25 years of experience with building structures in West Virginia, Pennsylvania and Ohio. CAS Structural Engineering is a small, local, West Virginia Certified Disadvantaged Business Enterprise that will give you personal attention.



CAS Structural Engineering has been involved with numerous building structure studies, including renovations and repairs to the Governor's Mansion, Main Capitol Building, State of West Virginia Building 3 Canopy, Farrell Law Offices in Huntington, First Presbyterian Church in Charleston, among others. Additionally, we have an accounting system that allows us to track hours and expenses on every project.



Located in Alum Creek, **CAS Structural Engineering** will serve as the prime consultant on this important project. The sub-consultants that we have teamed with are as follows: **WYK Associates, Inc.** (Clarksburg, WV) for architectural issues, **Miller Engineering Inc.** (Morgantown, WV) for mechanical and electrical engineering issues, and **David L. Morris, DLM Decisions, LLC** (Walton, WV), for consulting on construction related issues and estimating. This team has an extensive working relationship, having worked on a number of projects together over the last 15 years. The following information should serve to introduce and qualify the various members of the team that we propose to complete the tasks outlined in the scope of the request for proposal.

PO Box 469 • Alum Creek, WV 25003-0469 PHONE 304-756-2564 FAX 304-756-2565 WEB www.casstruceng.com

PROVIDING STRUCTURAL ENGINEERING SOLUTIONS FOR YESTERDAY, TODAY AND TOMORROW
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WV VA KY OH MD PA

WYK Associates, Inc provides the professional design services for a diverse range of projects including architecture, interior design and space planning. They will add their expertise to the roofing and elevator projects as well as assist on all other projects as needed. WYK Associates has been providing these services for many years and has designed many projects around the state of West Virginia.

Miller Engineering Inc will join the team to assist with any of the existing mechanical, electrical, and plumbing systems that may be affected by the repair of the structures. Craig Miller, as President of his firm, has more than 18 years' experience in the design, specification, and construction/project management of mechanical, electrical, and plumbing systems and 13 years experience in facilities operations, maintenance, and management. He specializes in retrofits and upgrades to existing systems and what he terms "operational engineering" or implementing changes to, while maintaining the operational requirements of, a facility or system. He has worked extensively in the educational/ institutional environment including spending several years as a systems mechanic performing various trades work prior to obtaining his engineering education. His trades work gives him a distinctive "hands on" approach to engineering application and design.

David Morris of DLM Decisions will assist the team with his years of expertise in the construction industry. Much of Mr. Morris's experience is directly related to the work associated with this project. He has worked with CAS Structural Engineering and Miller Engineering on several repair and restoration type projects, providing construction cost estimates. This skill, in addition to his general construction knowledge in addition, will be an added benefit to the team.

As you review the following information, it will become evident that as a team we bring extensive building evaluation, restoration/repair, upgrade and renovation experience to your project. **CAS Structural Engineering** invites an opportunity to present our design team for your evaluation and we are available to work on your project immediately. If you have any questions or require any additional information, please contact us. Thank you for considering our team for your project.

Sincerely,

CAS Structural Engineering, Inc.

A handwritten signature in cursive script that reads "Carol A. Stevens".

Carol A. Stevens, P.E.
President

RFQ No. GSD146440STATE 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.

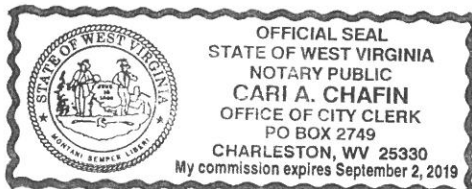
DEFINITIONS:

"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: CAS Structural Engineering, Inc.Authorized Signature: Carol A. Stevens Date: 7/23/14State of West VirginiaCounty of Kanawha, to-wit:Taken, subscribed, and sworn to before me this 23rd day of July, 2014.My Commission expires September 2, 2019.**AFFIX SEAL HERE****NOTARY PUBLIC**

Purchasing Affidavit (Revised 07/01/2012)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD146440

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 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 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.

CAS Structural Engineering, Inc.

Company

Carol A. Stevens, PE

Authorized Signature

7/23/14

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
 Revised 6/8/2012



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING



1	Concept
2	Firm/Team Qualifications
3	Project Organization
4	Demonstrated Experience

1. Concept

The **CAS Team** project approach contains several common concepts involved with each building outlined in the EOI specifications, even though the various projects range widely in scope. These common items are highlighted below:

Discovery Phase

1. Interview all representatives of the Owner that are knowledgeable of past repairs and current issues to establish the Program of Requirements.
2. Review the project conditions for evidence of system failures, damage and deterioration.
3. Evaluate all building components outlined by the Owner in the GSD146440 Project Specifications Section.
4. Involve all required testing or investigative techniques to determine the current status of the noted building systems.
5. See the attached individual project descriptions for the technical discovery items.
6. All hazardous material testing or removal is the responsibility of the Owner.

Programming/Schematic Design/Design Development Phases

1. Review the program of requirements received from the building representatives.
2. Create preliminary drawings, specifications and cost estimates which reflect all program requirements.
3. Meet and coordinate with the building representatives regarding all aspects of the project, including project budget, schedule, phasing and alternates.
4. Obtain approval by the WV Department of Administration for the design development drawings, outline specifications and cost estimate.

Construction Documents Phase

1. Produce complete drawings and specifications, detailed cost estimate, project schedule and coordinate with Owner for proposed construction staging.
2. Prepare cost estimate for bidding, including estimates of alternates.
3. Consult and assist the Owner in the development of special conditions, unit price criteria and bid forms.

Bidding Phase

1. Attend pre-bid meeting and answer specific questions from bidders via addenda as indicated.
2. Pre-bid meeting will include on-site visit, to review the requirements set forth in the bid documents, and to give prospective bidder's the opportunity to review the project.
3. Prepare minutes of the pre-bid meeting.
4. Review bid forms and submittals at the Owner's request.

Construction Administration Phase

1. Time on site for each project will be determined by the amount and type of work being completed for a particular project.
2. Review and approve all submissions from the contractors including Contract Cost Breakdown; Subcontractors' and Manufacturers' Declaration Forms; schedules, shop drawings, applications for payment, and other submissions as required by the Standard Requirements.
3. Prepare field directives and review change orders; review and approve pricing for change orders.
4. Attend all inspections required for any permit certifications including those issued by the State of West Virginia.
5. Provide all miscellaneous project correspondence as may be required to respond to owner, contractor, governing agencies, or other project related entities.

6. Attend progress meetings with frequency as required by the project Scope of Work. Expedite resolution to problems, which may occur in the field as a result of unknown conditions, disputes and Owner's requests.

Project Closeout Phase

1. Record all contractor submissions of "as built" conditions on reproducible documents.
2. Provide these documents to owner with verification that all contractor information has been included in the "as built" construction documents.
3. Provide all contractor supplied warranty and maintenance manuals to the Owner.

Building 84 - Corrections Building, 1409 Greenbrier Street, Charleston, WV

Discovery Phase

Listed below are the roof assessment items; however, the **CAS Team** shall identify a final list based on their experience and knowledge of roofing projects similar in size and scope of this work.

1. Personnel Interview:

The **CAS Team** will begin the process by conducting an interview of Owner representatives that are knowledgeable of past repairs and current issues to establish the Program of Requirements.

2. Existing Roofing System:

CAS plans to perform roof test cuts to confirm the type of system currently installed, the roofing materials used, the number of plies, the type, thickness, and attachment method, type and condition of the insulation, along with the location and quantity of any wet insulation discovered. Additionally, the **CAS Team** will view all interior areas for evidence of leaks and deterioration.

3. Roofing Materials:

The **CAS Team** will then investigate the type and condition of the roof deck, all expansion joints, flashings, copings, boots, nailing strips, gravel stops, parapet walls, masonry caulking and pointing materials, mortar, sealants, etc.

4. Roof Mounted Items:

All fixed roof mounted items such as ventilation fans, vent pipes, covers, guy wires and anchors, and electrical conduit, etc. will be observed to determine those that should be repaired or replaced. Also, the attachment methods will be scrutinized to determine if the fasteners are installed correctly and waterproofed properly where appropriate. Any roof mounted equipment that is no longer in service and can be removed will be noted.

5. Roof Drains:

CAS plans to evaluate the rooftop drainage components for condition and effectiveness. Ensuring the drains are properly located and are sufficient in both number and size to drain water from roof surface in accordance with code. Other items include locating any broken or separated drain pipe seals, joint connections, or any broken accessories, including strainers.

6. Structural Investigation:

CAS will take field measurements of the structural components that will support the new roofing system. From this information, the allowable loading of the deck and structure are determined to ensure they will support the new roofing system and related components.

7. Mechanical Systems:

The **CAS Team** is well staffed to handle the integrated mechanical systems located on the roof. The existing units will be documented and verified, and all curbs will be observed.

8. Miscellaneous Roof Accessories:

The **Team** will review and note the condition of the existing roof ladder and the roof hatch system. All code requirements as well as ergonomic factors will be considered on these items and proposed modifications will be designed.

9. Construction Canopy / Safety Procedures:

Since the building is occupied and will be during construction, **CAS** will investigate the need for a temporary canopy which would prevent materials, tools, equipment, debris, adhesives, etc. from injuring personnel or damaging property in the public egress areas of the building. Ultimately, the contractor is responsible for the safety of the site during construction and will be responsible for such.

Building 86 - Summers Building, 1124 Smith Street, Charleston, WV

Discovery Phase

Listed below are the roof assessment items; however, the **CAS Team** shall identify a final list based on their experience and knowledge of roofing projects similar in size and scope of this work.

1. Personnel Interview:

The **CAS Team** will begin the process by conducting an interview of Owner representatives that are knowledgeable of past repairs and current issues to establish the Program of Requirements.

2. Existing Roofing System:

CAS plans to perform roof test cuts to confirm the type of system currently installed, the roofing materials used, the number of plies, the type, thickness, and attachment method, type and condition of the insulation, along with the location and quantity of any wet insulation discovered. Additionally, the **CAS Team** will view all interior areas for evidence of leaks and deterioration.

3. Roofing Materials:

The **CAS Team** will then investigate the type and condition of the roof deck, all expansion joints, flashings, copings, boots, nailing strips, gravel stops, parapet walls, masonry caulking and pointing materials, mortar, sealants, etc.

4. Roof Mounted Items:

All fixed roof mounted items such as ventilation fans, vent pipes, covers, guy wires and anchors, and electrical conduit, etc. will be inspected to determine those that should be repaired or replaced. Also, the attachment methods are scrutinized to determine if the fasteners are installed correctly and waterproofed properly where appropriate. Any roof mounted equipment that is no longer in service and can be removed will be noted.

5. Roof Drains:

CAS plans to evaluate the rooftop drainage components for condition and effectiveness. Ensuring the drains are properly located and are sufficient in both number and size to drain water from roof surface in accordance with code. Other items include locating any broken or separated drain pipe seals, joint connections, or any broken accessories including strainers.

6. Structural Investigation:

CAS will take field measurements of the structural components that will support the new roofing system. From this information, the allowable loading of the deck and structure are determined to ensure they will support the new roofing system and related components.

7. Mechanical Systems:

The **CAS Team** is well staffed to handle the integrated mechanical systems located on the roof. The existing units will be documented and verified, and all curbs will be observed.

8. Miscellaneous Roof Accessories:

The **Team** will review and note the condition of the roof ladder and the roof hatch system. All code requirements as well as ergonomic factors will be considered on these items and proposed modifications will be designed.

9. Construction Canopy / Safety Procedures: Since the building is occupied and will be during construction, **CAS** will investigate the need for a temporary canopy which would prevent materials, tools, equipment, debris, adhesives, etc. from injuring personnel or damaging property in the public egress areas of the building. Ultimately, the contractor is responsible for the safety of the site during construction.

Building 97 - 203 E. 3rd Avenue, Williamson, WV

Discovery Phase

Listed below are the concrete slab assessment items; however, the **CAS Team** shall identify a final list based on their experience and knowledge of concrete repair projects similar in size and scope of this work.

1. Personnel Interview:

The **CAS Team** will begin the process by conducting an interview of Owner representatives that are knowledgeable of any past repairs and current issues to establish the Program of Requirements.

2. Existing Concrete:

CAS plans to perform a visual investigation and brief cost analysis to determine which course of action to take.

Three potential actions are:

- a) Grinding
- b) Slabjack Leveling
- c) Removal and Replacement

Other options will be investigated after review of the current site conditions. Since the building is occupied and will be during construction, **CAS** will investigate the need for a temporary access which would allow the public egress to the entrance of the building.

Building 1 - Main Capitol Complex, 1900 Kanawha Avenue, Charleston, WV

Discovery Phase

Listed below are the drain trough assessment items; however, the **CAS Team** shall identify a final list based on their experience and knowledge of projects similar in size and scope of this work.

1. Personnel Interview:

The **CAS Team** will begin the process by conducting an interview of Owner representatives that are knowledgeable of any past repairs and current issues to establish the Program of Requirements.

2. Existing Drain Troughs:

CAS plans to perform a visual investigation and cost analysis to determine the best solution for the non functioning drain system. The **Team** plans to water test the current system to gather data on flow rates. Additional information to note are the grating styles, composition and placement relative to the drain body. The drain bodies will be evaluated for water retention, slope and potential salvage. Once this data is collected, the **Team** can conduct the research into the multitude of products and work with the Owner to select the best replacement. **CAS** can then formulate the best solutions and proceed with creating plans and specifications.

3. Existing Material Adjacent to Drain Troughs:

The **CAS Team** will evaluate the adjacent material, which is Indiana Limestone, and note it for a comparative baseline for review for the post construction phase.

Building 84 - Corrections Building, 1409 Greenbrier Street, Charleston, WV

Discovery Phase

Listed below are the mechanical systems assessment items; however, the **CAS Team** shall identify a final list based on their experience and knowledge of roofing projects similar in size and scope of this work.

1. Personnel Interview:

The **CAS Team** will begin the process by conducting an interview of Owner representatives that are knowledgeable of past repairs and current issues to establish the Program of Requirements.

2. Existing HVAC System:

CAS plans to review the current HVAC system and identify the issues with the duct work. The **CAS Team** will carefully check interior areas for evidence of air leakage and deterioration.

3. Architectural Investigation:

The **CAS Team** will evaluate the architectural and structural components, inclusive of the roof deck, which will support the revised duct work systems. Also, **Team** will review all architectural elements which will be disturbed during the renovation and baseline them for the future. If it is determined they will support the new mechanical systems and the related components, work can then begin on those units.

4. Mechanical Systems:

The **CAS Team** is prepared to integrate the new duct work systems into the current building components. Miller Engineering has provided a mechanical concept approach which is included.



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Expression of Interest: GSD146440
Design Services for Various Maintenance Projects

Project Concept and Approach

• 3.1.5 – Building 84 • 3.1.7 – Building 88 • 3.1.8 – Building 5

Determination of existing conditions will be accomplished through a detailed, facility walk-through. In-depth interviews with owner's maintenance staff and management will occur to determine the concerns and issues arising from operation of the existing systems. Project schedules will be reviewed, and outlined with the owner after all investigations are complete.

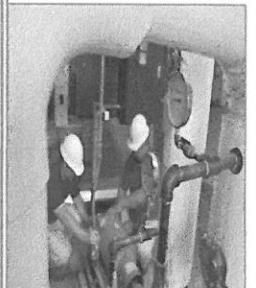
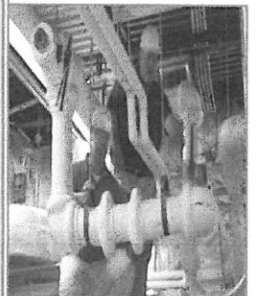
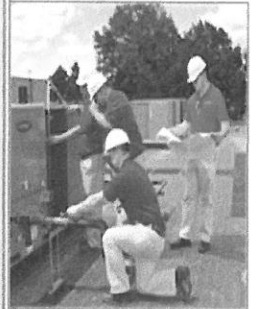
Detailed analysis and measurements of mechanical systems, space allocation, and fact-checking will be done by comparing any existing drawings of the infrastructure with our field observations.

If required, building information modeling will occur to verify design solutions, occupancy and building capacity load. Experience with upgrades and systems repair, give the team valuable insight when conducting facility review.

Following the information gathering phase, our team will confer and design solutions for the projects. A recommendation will be made to the owners on approach. Integration into existing systems will be determined as a "best-approach" method in relation to applicable codes and standards. Owner review will be sought at this time against verification of scope.

The team will assist the owner in bidding and construction management of the project through closeout. Typically this portion of the project includes: pre-bid meeting attendance, and construction administration with multiple site visits, including "drop in" visits to ensure quality performance.

Project close-out will consist of verification of repair, demonstration/training, engineer witnessed TAB, approval of record drawing, reviews/approval of owner/operator manuals.



Building 11 - Central Plant, 218 California Avenue, Charleston, WV

Discovery Phase

Listed below are the concrete wall panel assessment items; however, the **CAS Team** shall identify a final list based on their experience and knowledge of roofing projects similar in size and scope of this work.

1. Personnel Interview:

The **CAS Team** will begin the process by conducting an interview of Owner representatives that are knowledgeable of any past repairs and current issues to establish the Program of Requirements.

2. Existing Concrete Wall Panel:

CAS plans to perform a visual investigation and preliminary cost analysis to determine which course of action to take. The potential solutions are:

- a) Repair in Place attempting to match the existing concrete finish
- b) Complete Removal and Replacement

Advantages exist in both solutions and once the extent of the damage is determined, the actions will be evaluated for the better selection. **CAS** has many years of experience in precast and cast-in-place concrete repairs, so the time period for repair design time will be short. Since the building is occupied and located on a busy street, **CAS** will investigate the need for a temporary protection barrier preventing any injury to people or damage to property.

Building 88 - 7 Players Club Drive, Charleston, WV

Discovery Phase

Listed below are the mechanical systems assessment items; however, the **CAS Team** shall identify a final list based on their experience and knowledge of roofing projects similar in size and scope of this work.

1. Personnel Interview:

The **CAS Team** will begin the process by conducting an interview of Owner representatives that are knowledgeable of past repairs and current issues to establish the Program of Requirements.

2. Existing Roofing System:

CAS plans to review the type of roof system currently installed and the roofing materials. The **CAS Team** will carefully check the exterior and interior areas for evidence of leaks and deterioration. All conditions are noted and will serve as a comparative baseline after the mechanical work is completed.

3. Structural Investigation:

CAS will evaluate the structural components, inclusive of the roof deck, which will support the new mechanical systems and, from this information, calculate the allowable loading of the deck and structure. If it is determined that the roof structure can adequately support the new mechanical systems and the related components, work can then begin on those units. If additional support is required, the Owner will be notified and design can be completed as Additional Services.

4. Mechanical Systems:

The **CAS Team** is prepared integrate the new rooftop mechanical systems into the current building components. The Team will design the HVAC systems to integrate to the building HVAC management system and the GSD TRACER system. Miller Engineering has provided a mechanical concept approach which is included.



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Project Concept and Approach

• 3.1.5 – Building 84 • 3.1.7 – Building 88 • 3.1.8 – Building 5

Determination of existing conditions will be accomplished through a detailed, facility walk-through. In-depth interviews with owner's maintenance staff and management will occur to determine the concerns and issues arising from operation of the existing systems. Project schedules will be reviewed, and outlined with the owner after all investigations are complete.

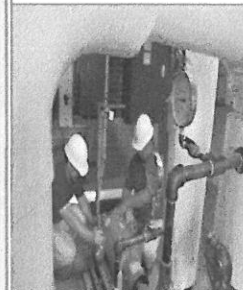
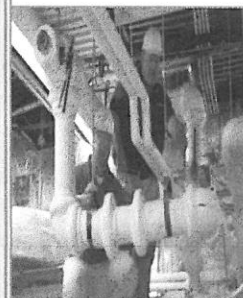
Detailed analysis and measurements of mechanical systems, space allocation, and fact-checking will be done by comparing any existing drawings of the infrastructure with our field observations.

If required, building information modeling will occur to verify design solutions, occupancy and building capacity load. Experience with upgrades and systems repair, give the team valuable insight when conducting facility review.

Following the information gathering phase, our team will confer and design solutions for the projects. A recommendation will be made to the owners on approach. Integration into existing systems will be determined as a "best-approach" method in relation to applicable codes and standards. Owner review will be sought at this time against verification of scope.

The team will assist the owner in bidding and construction management of the project through closeout. Typically this portion of the project includes: pre-bid meeting attendance, and construction administration with multiple site visits, including "drop in" visits to ensure quality performance.

Project close-out will consist of verification of repair, demonstration/training, engineer witnessed TAB, approval of record drawing, reviews/approval of owner/operator manuals.



Building 5 - Piedmont Road - Central Boiler Plant, Charleston, WV

Discovery Phase

Listed below are the condensate systems assessment items; however, the **CAS Team** shall identify a final list based on their experience and knowledge of roofing projects similar in size and scope of this work.

1. Personnel Interview:

The **CAS Team** will begin the process by conducting an interview of Owner representatives that are knowledgeable of past repairs and current issues to establish the Program of Requirements.

2. Structural Investigation:

CAS will evaluate the structural components at the pump locations to determine if they will support the new condensate systems and the related components. The **CAS Team** will note any deficiencies for correction.

3. Mechanical Systems:

The **CAS Team** will design the pump systems to integrate to the building HVAC management system and the GSD TRACER system. Miller Engineering has provided a mechanical concept approach which is included.



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Project Concept and Approach

• 3.1.5 – Building 84 • 3.1.7 – Building 88 • 3.1.8 – Building 5

Determination of existing conditions will be accomplished through a detailed, facility walk-through. In-depth interviews with owner's maintenance staff and management will occur to determine the concerns and issues arising from operation of the existing systems. Project schedules will be reviewed, and outlined with the owner after all investigations are complete.

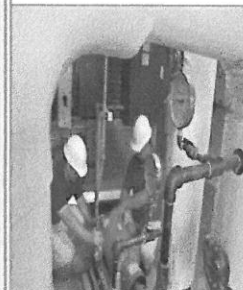
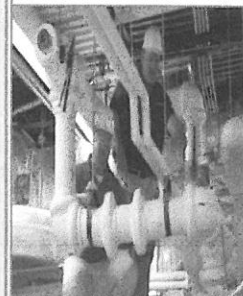
Detailed analysis and measurements of mechanical systems, space allocation, and fact-checking will be done by comparing any existing drawings of the infrastructure with our field observations.

If required, building information modeling will occur to verify design solutions, occupancy and building capacity load. Experience with upgrades and systems repair, give the team valuable insight when conducting facility review.

Following the information gathering phase, our team will confer and design solutions for the projects. A recommendation will be made to the owners on approach. Integration into existing systems will be determined as a "best-approach" method in relation to applicable codes and standards. Owner review will be sought at this time against verification of scope.

The team will assist the owner in bidding and construction management of the project through closeout. Typically this portion of the project includes: pre-bid meeting attendance, and construction administration with multiple site visits, including "drop in" visits to ensure quality performance.

Project close-out will consist of verification of repair, demonstration/training, engineer witnessed TAB, approval of record drawing, reviews/approval of owner/operator manuals.



Building 23 - 407 Neville Street, Beckley, WV

Discovery Phase

Listed below are the penthouse and roof assessment items; however, the **CAS Team** shall identify a final list based on their experience and knowledge of roofing projects similar in size and scope of this work.

1. Personnel Interview:

The **CAS Team** will begin the process by conducting an interview of Owner representatives that are knowledgeable of past repairs and current issues to establish the Program of Requirements.

2. Existing Roofing System:

CAS plans to review the type of roof system currently installed and the roofing materials. The **CAS Team** will carefully check the exterior and interior areas for evidence of leaks and deterioration. All conditions are noted and will serve as a comparative baseline after the mechanical work is completed. Once these items are determined, a plan for the weatherization and waterproofing of the penthouse structure will be formulated.

3. Roofing Materials:

The **CAS Team** will then investigate the type and condition of the roof deck, all expansion joints, flashings, copings, boots, nailing strips, gravel stops, parapet walls, masonry caulking and pointing materials, mortar, sealants, etc. for further use in the penthouse membrane design.

4. Structural Investigation:

The **CAS Team** will begin this area of work by evaluating the penthouse structure. Multiple tests and analysis will reveal if the penthouse wooden structure is capable of remaining for the long term as a viable component. Life safety issues based on the type of construction will also be evaluated to determine if current code will allow this structure to remain as is or if additional protection of the structural components will be needed. Additionally, **CAS** will analyze the structural components that will support the penthouse roofing system.

A preliminary demolition plan with notations for the elevator removal will follow the penthouse investigation. This plan will be used to determine the extent of the building that will be affected by the removal.

On the ground floor, the **CAS Team** will investigate the current structural supports as well as the MEP systems associated with those offices slated for demolition. Architecturally, egress issues will also be addressed to make sure that there are still code-compliant routes for leaving the building. A full report and drawings of the current environment will outline the future work for the area.

5. Mechanical Systems:

The **CAS Team** plans to verify any noted mechanical systems related to the listed scope. This includes any ductwork shafts on the lower level or associated fire detection within the elevator shaft area.

6. Elevator Systems:

If the **CAS Team** deems it necessary, an elevator consultant may be employed for technical assistance. Since a future elevator upgrade is planned, the **CAS Team** will design the building revisions so future work can occur without damaging this renovation.

Department of Administration
Various Maintenance Repairs

2. Firm/Team Qualifications

Carol A. Stevens, PE, SECB
CAS Structural Engineering, Inc.
PO Box 469
Alum Creek, WV 25003-0469
(304) 756-2564
calalane@aol.com



Carol is the contact person for CAS Structural Engineering and is the individual having full authority to execute a binding contract on behalf of the firm.

As a small WVDBE business located in relatively close proximity to many of the project sites, Carol will be the project team leader for this project and will not only complete tasks related to structural engineering but also coordinate with the other disciplines to perform other architectural or engineering tasks. Information related to CAS Structural Engineering, Inc. is included in this section for your review. This teaming arrangement has worked successfully on several Department of Natural Resources projects in the past.

The consultants that are part of this highly qualified **CAS Team** are WYK Associates, Inc. (architecture), Miller Engineering Inc. (MEP engineering) and DLM Decisions (cost estimating and constructability consulting). Information for each consultant is also presented in this section of our Expression of Interest. If geotechnical engineering consultants are needed for any of the projects, a reputable geotechnical engineering firm will be recommended for the approval of the Client.



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

The **CAS Team** is highly qualified to handle the project in its entirety and we are looking forward to beginning the work for the Department of Administration. CAS is currently working on two (2) projects at the Capitol Campus and we are looking forward to additional work with this Client.



We provide Solutions. You can expect Excellence.

The **CAS Team** realizes, understands and accepts that any and all work produced as a result of this contract will become the property of the Agency and can be used or shared by the Agency as deemed appropriate.



DLMDECISIONS LLC

To our knowledge, there are no litigation or arbitration proceedings with the State's Purchasing Division or disputes with other Agencies of the State of West Virginia by the **CAS Team** members.



Carol A. Stevens, PE, F.ASCE

Structural Engineer



EDUCATION

West Virginia University, BSCE, 1984
Chi Epsilon National Civil Engineering Honorary
The Pennsylvania State University, ME Eng Sci, 1989

PROFESSIONAL REGISTRATION

P.E.	1990	Pennsylvania
P.E.	1991	West Virginia
P.E.	1994	Maryland
P.E.	2008	Ohio
P.E.	2010	Kentucky
P.E.	2013	Virginia

BACKGROUND SUMMARY

2001 – Present	President, Structural Engineer CAS Structural Engineering, Inc.
1999 – 2001	Structural Engineer Clingenpeel/McBrayer & Assoc, Inc.
1996 – 1999	Transportation Department Manager Structural Engineer Chapman Technical Group, Inc.
1995 – 1996	Structural Engineer Alpha Associates, Inc.
1988 – 1995	Structural Department Manager Structural Engineer NuTec Design Associates, Inc.
1982 – 1988	Engineer AAI Corporation, Inc.

PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers
National Society of Professional Engineers
American Concrete Institute
American Institute of Steel Construction
West Virginia University Department of Civil and
Environmental Engineering Advisory Committee
West Virginia University Institute of Technology
Department of Civil Engineering Advisory Committee

EXPERIENCE

West Virginia, State Capitol Complex, Holly Grove Mansion: Structural evaluation report for preliminary condition assessment of building structure. Building is on the National Register of Historic Places and was constructed in 1815.

West Virginia, State Capitol Complex, Main Capitol Building Parapet: Exploratory investigation of limestone/brick parapet/balustrade of Main Capitol Building to determine cause of movement/cracking/ leaks. Construction contract for repairs has been completed. Building is on the National Register of Historic Places and was constructed in the 1920's and 1930's.

West Virginia, Job's Temple: Structural repairs to 1860's log structure. Building is on the National Register of Historic Places.

West Virginia, Collett House Structural Repairs: Structural renovations of 1770's log and framed structure to stabilize foundation and make repairs to log wall and floor. Building is on the National Register of Historic Places.

West Virginia, First Presbyterian Church Restoration: Structural renovations of steel in lantern level and terra cotta cornice, overview of repairs to limestone and terra cotta façade of 1920's structure.

West Virginia, Hawks Nest State Park Lodge: Repairs to spandrel beams at roof level and analysis and repairs of structural cracks in stairtower.

West Virginia, State Capitol Complex, Governor's Mansion: Structural analysis and design in addition to evaluation report for modifications and renovations to several areas of mansion. Building is on the National Register of Historic Places and was constructed in the 1920's.

West Virginia, Twin Falls Resort State Park Addition: Structural design for new addition to existing facility.

PO Box 469 • Alum Creek, WV 25003-0469 **PHONE** 304-756-2564 **FAX** 304-756-2565 **WEB** www.casstruceng.com

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WV VA KY OH MD PA

West Virginia, State Capitol Complex, Main Capitol Building Dome: Exploratory investigation of structural steel components of Lantern Level of dome and development of contract documents for repairs. Building is on the National Register of Historic Places and was constructed in the 1930's. Received a NYAIA Merit Award for Design Excellence.

West Virginia, Twin Falls Resort State Park: Structural evaluation of existing recreation building.

West Virginia, Pipestem Resort State Park: Structural evaluation of existing recreation building.

West Virginia, Historic Putnam-Houser House (Parkersburg): Designed system for stabilization and upgrades to floor framing of building that was constructed in the 1700's.

West Virginia, Upshur County Courthouse: Developed construction documents for structural repairs to main entrance, dome and monumental sandstone columns of 1899 structure. Work was recently completed and received a WVAIA Honor Award for Design Excellence.

Ohio, Mahoning County Courthouse: Completed preliminary structural observation report of exterior façade conditions to recommended phased repairs for terra cotta and granite façade. Building is on the National Register of Historic Places and was constructed in the early 1900's.

West Virginia, State Capitol Complex, Building 5: Structural design and analysis for support of new boilers and other mechanical equipment to be placed in mechanical penthouse.

West Virginia, State Capitol Complex, Building 7: Investigation and development of Construction Documents for new elevators.

West Virginia, State Capitol Complex, Building 3: Structural design and construction administration of repairs to limestone canopy. Building is eligible to be placed on National Register of Historic Places and was constructed in the 1950's.

West Virginia, State of West Virginia Office Building #21, Fairmont, WV: Preliminary structural observation report for condition assessment of building structure.

PREVIOUS EXPERIENCE

West Virginia, State Capitol Building, North Portico Steps: Designed structural system to replace deteriorated reinforced concrete slab at landing on north side of Capitol steps. Building is on the National Register of Historic Places and was constructed in the 1930's.

West Virginia, Beech Fork State Park Pool, Bathhouse and Cabins: Designed structure for new bathhouse, swimming pool and cabins.

West Virginia, Moncove Lake State Park Pool: Designed structure for new swimming pool.

West Virginia, Upshur County Courthouse Annex: Performed structural evaluation and design for repairs to existing multi-story Annex addition.

West Virginia, Farrell Law Building: Performed analysis of existing deteriorated structural sidewalk over parking area. Recommended repair solutions for reinforced concrete and aged terra cotta façade of 1920's building.

West Virginia, Canaan Valley Resort and Conference Center: Structural feasibility study to upgrade lodging units.

West Virginia, West Virginia University Masterplan: Investigated structural floor load capacity of several university buildings as a consultant to a large national architectural firm for masterplan.

West Virginia, Morgantown High School Additions: Designed steel framing and foundations for science classroom, cafeteria and gymnasium additions to existing education complex.

West Virginia, Grafton High School Addition: Designed steel framing and foundations for new science classroom addition to existing high school.

Pennsylvania, York County Government Center: Structural analysis and design of 1898 former department store converted to county government offices. Interior renovations included adding floor framing at mezzanine level, analyzing and redesigning deficient floor framing, and adding new elevators. Exterior renovations included complete façade rework to recreate original appearance.

Pennsylvania, Metropolitan Edison Company, Headquarters: Structural design for new 80,000 SF two-story office addition to existing complex.



Firm Profile

CAS Structural Engineering, Inc. — CAS Structural Engineering, Inc. is a **West Virginia Certified Disadvantaged Business Enterprise (DBE)** structural engineering firm located in the Charleston, West Virginia area.

Providing structural engineering design and/or analysis on a variety of projects throughout the state of West Virginia, CAS Structural Engineering has experience in excess of 25 years on the following types of building and parking structures:

- Governmental Facilities (including Institutional and Educational Facilities)
- Industrial Facilities
- Commercial Facilities

Projects range from new design and construction, additions, renovation, adaptive reuse, repairs and historic preservation (including use of The Secretary of the Interior's Standards for Rehabilitation) to evaluation studies/reports and analysis.

CAS Structural Engineering utilizes AutoCAD/REVIT for drawing production and Tedds, Enercalc and RISA 2D and 3D engineering software programs for design and analysis. Structural systems designed and analyzed have included reinforced concrete, masonry, precast concrete, structural steel, light gauge steel and timber.

Carol A. Stevens, PE is the firm President and will be the individual responsible for, as well as reviewing, the structural engineering design work on every project. Carol has over 25 years of experience in the building structures field, working both here in West Virginia and in the York, Pennsylvania vicinity. Carol is also certified by the Structural Engineering Certification Board for experience in the field of structural engineering.

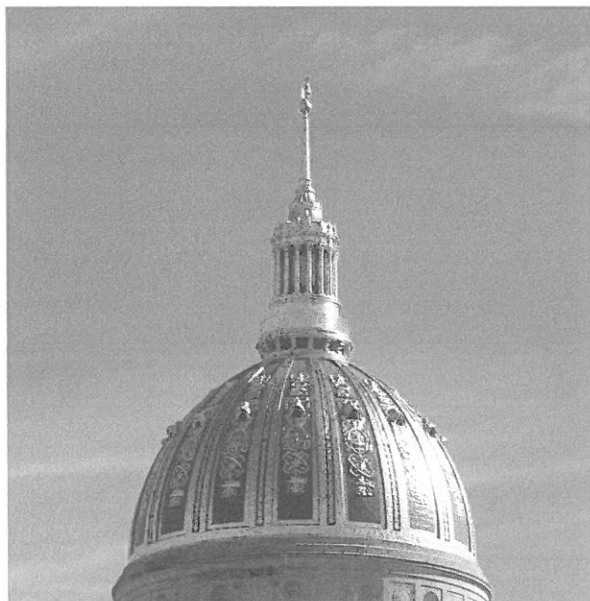
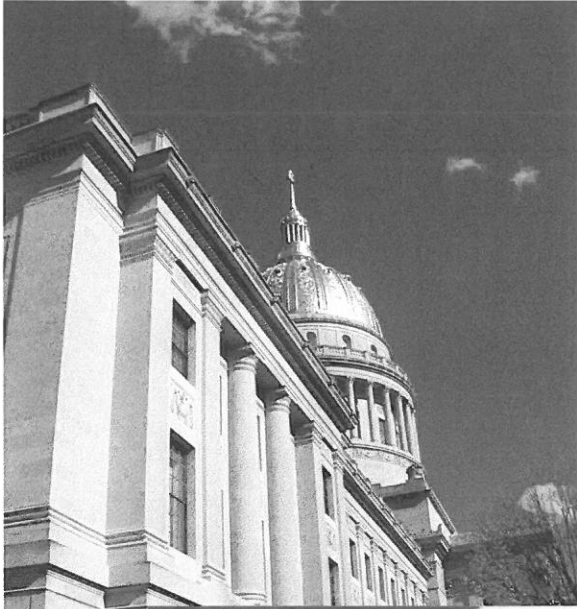
CAS Structural Engineering, Inc. maintains a professional liability insurance policy.

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WV VA KY OH MD PA

Project Experience



CAPITOL PARAPET WALL REPAIRS

Charleston, West Virginia

This project included an exploratory investigation and preparation of construction documents for repairs to the limestone and brick parapet wall and balustrade at the top of the Capitol Building.

CAPITOL DOME RESTORATION

Charleston, West Virginia

This project included an exploratory investigation and preparation of construction documents for repairs to the structural steel in Capitol Dome.



Project Experience



BUILDING 3 CANOPY REPAIRS

Charleston, West Virginia

Structural design of repairs to existing limestone canopy and supporting structural elements. Discovered that as-built conditions differed from original design documentation



GEORGE WASHINGTON HIGH SCHOOL

Charleston, West Virginia

Structural design of additions to include new 3-story classroom addition, new entrance/commons addition, and new gymnasium addition for Kanawha County Schools.



COVENANT HOUSE

Charleston, West Virginia

This 3-story structure utilized a structural steel frame and light-gauge steel roof trusses for the structural system. The 13,700 SF building was designed to appear as a residential structure, with vinyl siding, asphalt shingles, dormers and gingerbread accents.

Project Experience



JOHNSON AVENUE PROFESSIONAL BUILDING

Bridgeport, West Virginia

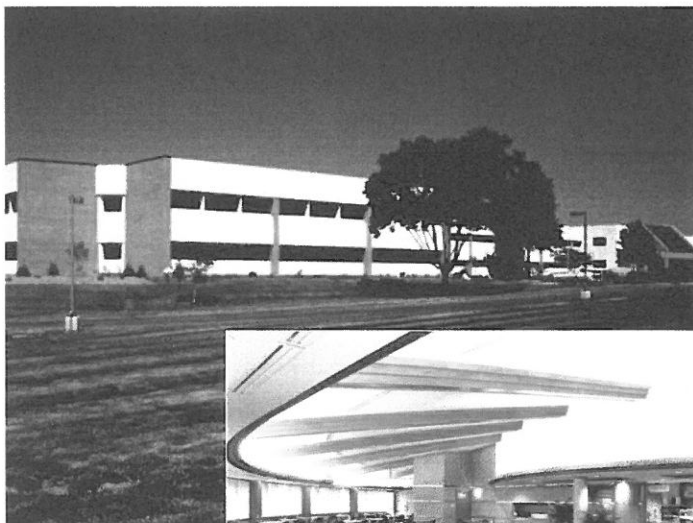
Structural design of new 9,400 SF steel framed office building.



YORK COUNTY GOVERNMENT CENTER

York, Pennsylvania

Structural analysis and design of 1898 former department store converted to county government offices. Interior renovations included adding floor framing at mezzanine level, analyzing and redesigning deficient floor framing, and adding new elevators. Exterior renovations included complete façade rework to recreate original appearance.



METROPOLITAN EDISON

Reading, Pennsylvania

The two-story, 5000 SF lobby replaced an outdated 1200 SF lobby and business office. The lobby addition, which serves as a focal piece for the Headquarters Complex, contains several conference rooms and a second floor bridge spanning the width of the lobby. The lobby addition consisted of structural steel framing. An 80,000 SF office addition was constructed during the second phase of this project. A semi-circular cafeteria addition was located at the rear of the complex.

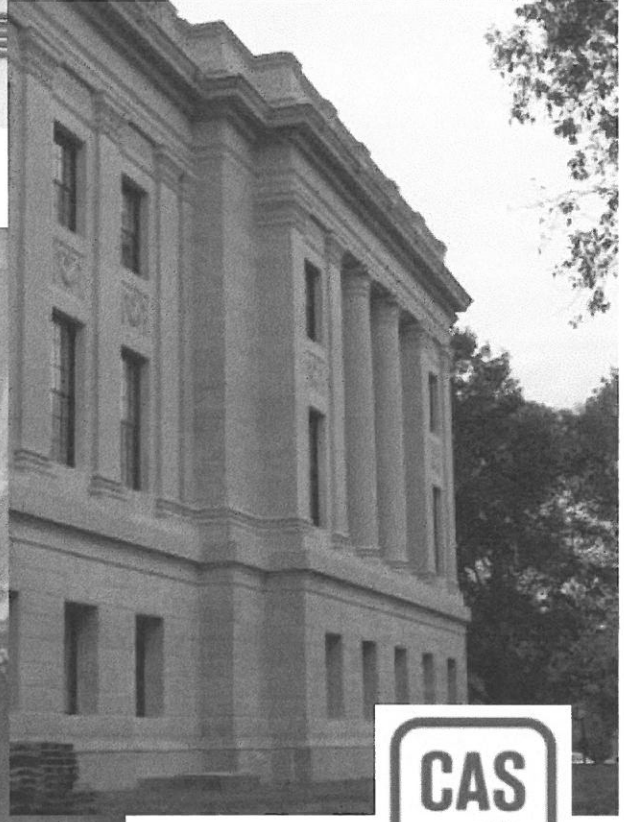
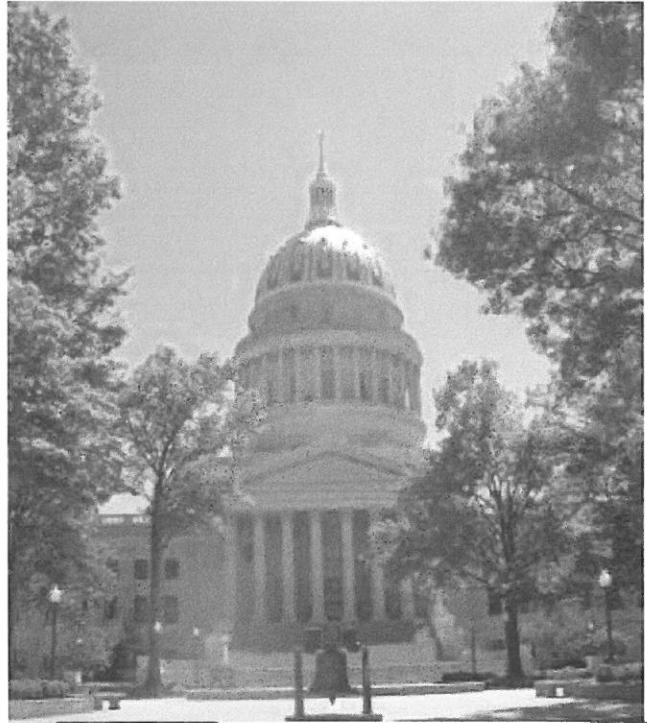


EXTERIOR FAÇADE RESTORATION MAIN CAPITOL BUILDING

Charleston, West Virginia



Exterior façade restoration included cleaning, pointing, and repairs to the limestone and terra cotta components, windows and doors.

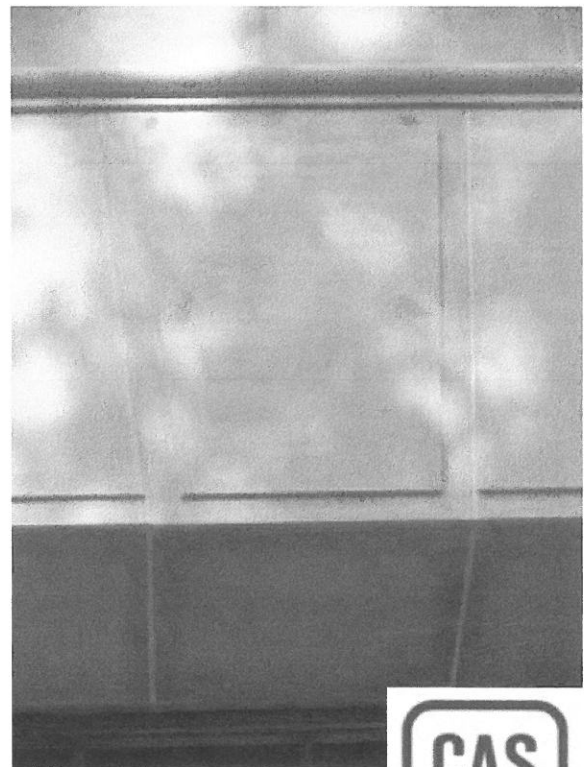




Portions of the limestone cornice were damaged to the point that they fell when work was being conducted and had to be pinned back in place.



Other repairs included various spall repairs, pinning and epoxy injection of larger cracks and lifting and pinning keystones over windows.

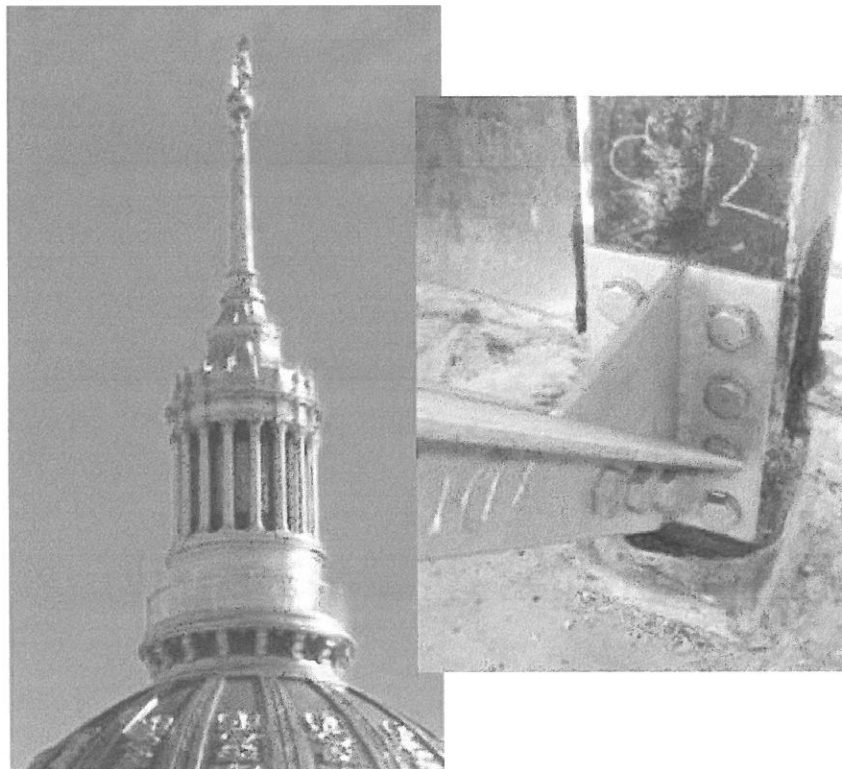


STRUCTURAL INVESTIGATION MAIN CAPITOL BUILDING DOME

Charleston, West Virginia



The structural steel in the lantern level shows evidence of deterioration. Project included probing to determine extent of deterioration and preparation of plans and specifications for repairs.



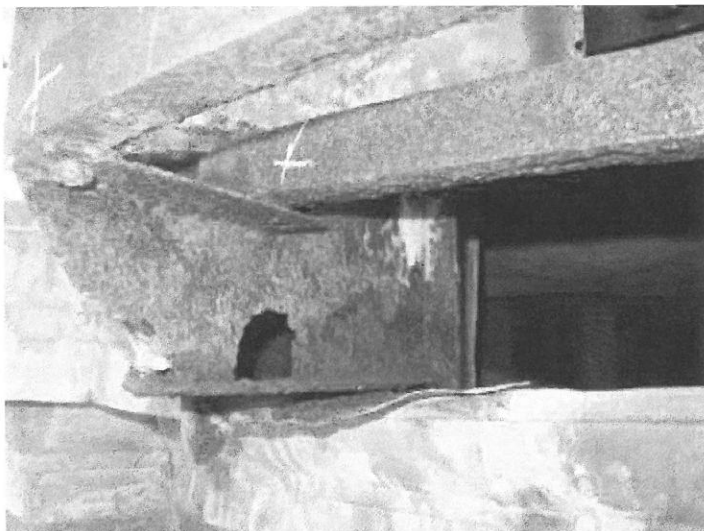
The structural steel after being repaired and the regilding complete. Project included returning the dome to the original Cass Gilbert color scheme.

AIA New York State Merit Award 2006

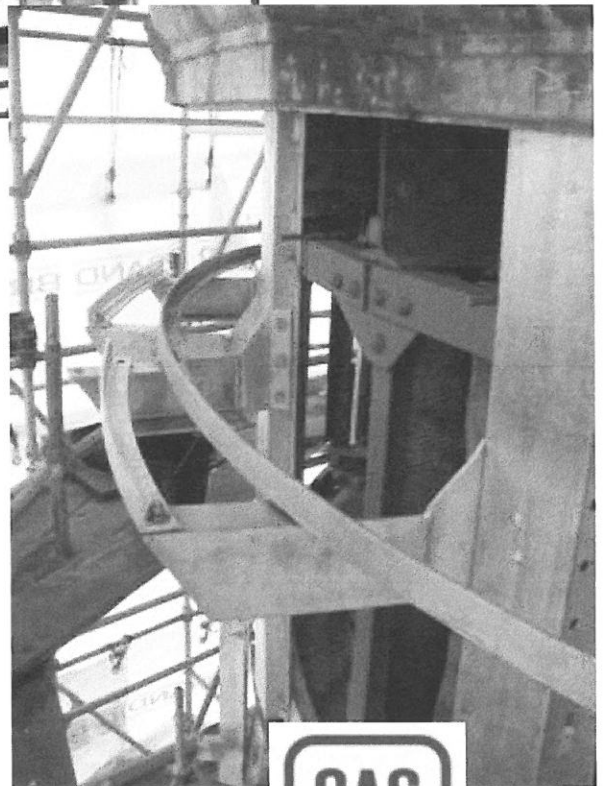




Removal of one decorative column wrap indicated that back-up structure was severely deteriorated. Members were replaced with new galvanized components.

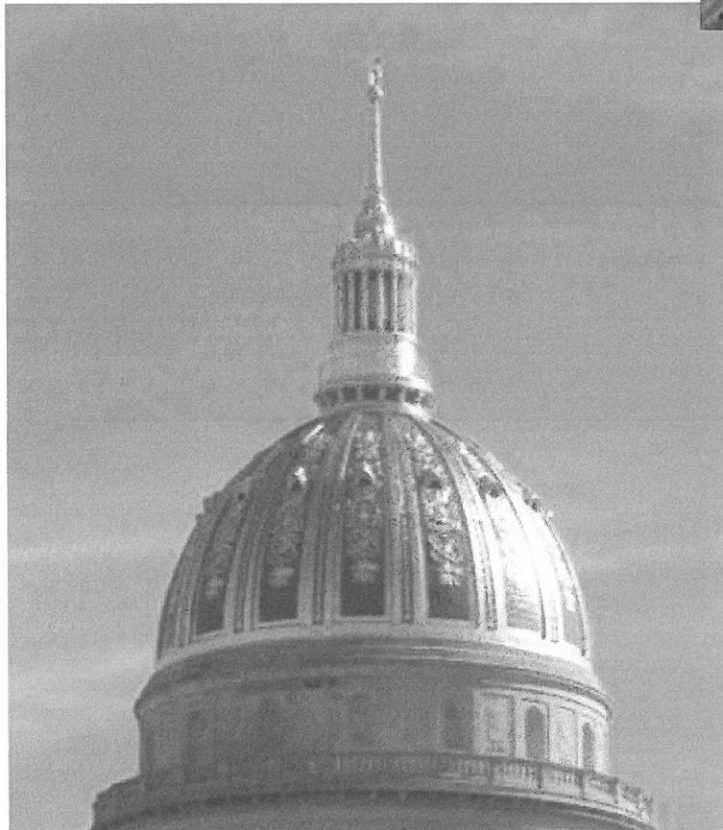


Deterioration of steel supporting sheet metal exhibited such deterioration that portions of the steel have disintegrated.





Concrete at the railing level was hidden from view and repaired once the sheet metals was removed and the deterioration was found.



Completed dome restoration shows the original sheet metal detail on the previous lead coated copper sheet metal. The lead coating was compromised over the years. As a result, a coating system had to be applied to protect the copper sheet metal.



UPSHUR COUNTY COURTHOUSE STONE COLUMN RESTORATION

Buckhannon, West Virginia

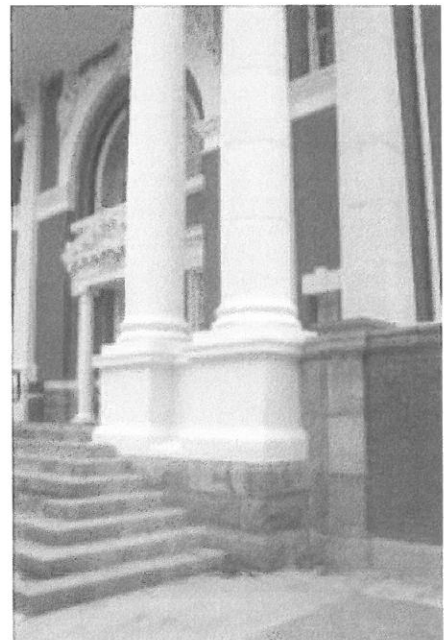


The structural sandstone columns were coated with a cementitious coating that helped to deteriorate the natural stone by trapping moisture within the stone.

After the coating was removed, additional areas of the columns and bases required extensive repairs.



The repairs included pinning the columns across cracks, building up architectural elements with Cathedral Stone Jahn Repair Mortars, and also included pinning new stone to the original host stone.



AIA West Virginia Honor Award 2008



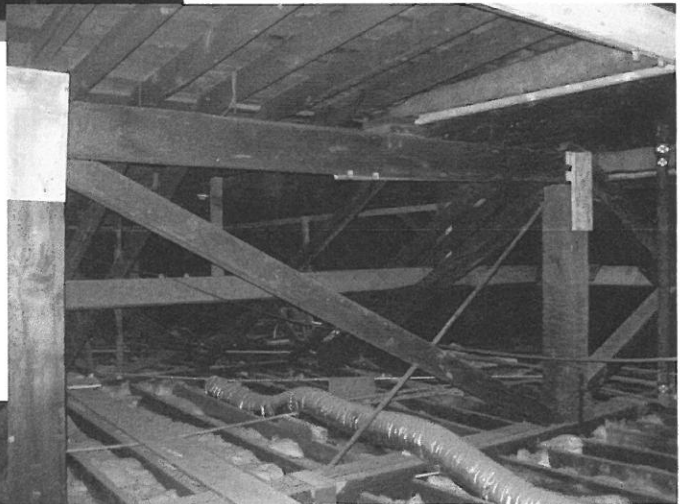
LEWIS COUNTY COURTHOUSE INVESTIGATION AND REPAIRS

Weston, West Virginia



This 1887 courthouse is constructed of brick masonry walls with heavy sandstone foundations and wood roof structure. This project involved several phases, including an assessment phase to detail the repair needs for the facility and a construction cost estimate for these repair items.

The bell tower and cupola framing need structural repairs, some of which were completed during the roofing repair phase of this project. Additional structural roof framing repairs have been identified but the design documents have not been developed at this time.



The roof repair work was completed in the fall of 2011. Structural repairs within the bell tower were completed at that time.



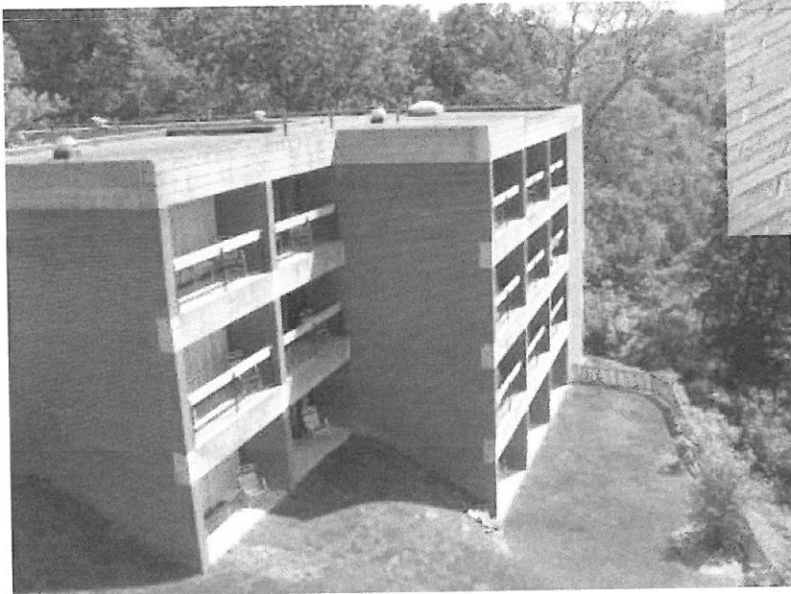
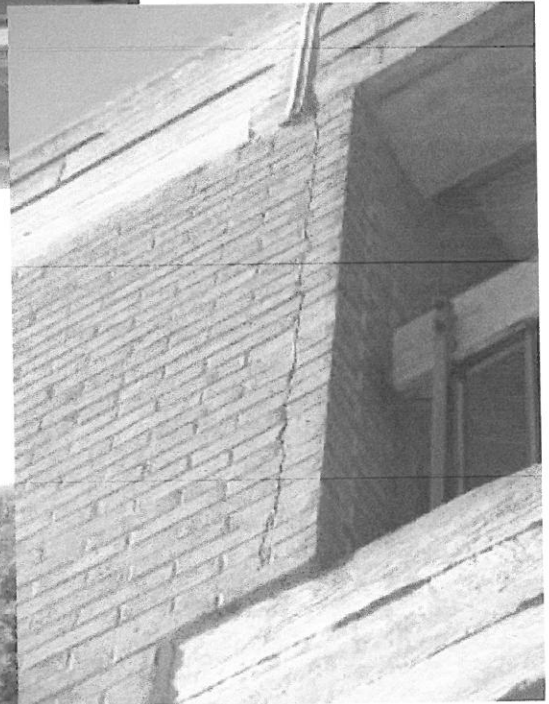
STRUCTURAL INVESTIGATION HAWKS NEST STATE PARK LODGE

Ansted, West Virginia

Project includes investigation into causes of structural cracking in existing lodge facility and providing solution to the problem.



Currently completing a report for the Owner with photo documentation of conditions found and recommendations for repairs and associated construction cost estimates.



Part of the investigation included having a contractor perform probes to observe the condition of the structural elements and connections.



CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety, understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

CAS Structural Engineering Inc.

(Company)

Carroll Stevens, PE

(Authorized Signature)

President

(Representative Name, Title)

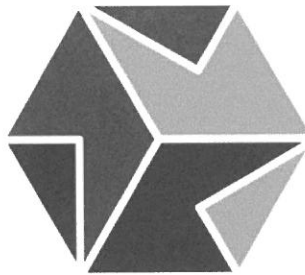
(304) 756-2564 (304) 756-2565

(Phone Number)

(Fax Number)

7/23/14

(Date)



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING



WYK ASSOCIATES, INC.
ARCHITECTURE · PLANNING

Company Overview

WYK Associates, Inc.



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

James B. Swiger, AIA, NCARB, LEED AP
President



Who We Are:

- WYK Associates, Inc. is a full service architectural and planning firm serving a wide variety of commercial, religious, educational, civic and industrial clientele. Carleton Wood, Jr. was a third generation architect. His grandfather's firm had roots in North Central West Virginia dating back to the early twentieth century. William Yoke, Jr. and Howard Kelley partnered with Mr. Wood in 1974 to form WYK Associates, Inc. Our archives are filled with a century's worth of historic work.
- Mr. James Swiger, AIA, president of the firm, assumed that role at the beginning of 2011. He has been with WYK since 2005.
- Mr. William Yoke, Jr. retired at the end of 2011 but is still involved with consulting and quality assessment / quality control.

Our Project Philosophy:

- **COMMUNICATION & TEAMWORK** are our guide words for each project. Our client's requirements for quality, service and value are the driving force behind each decision.
- Through collaboration with engineering consultants we address the needs and schedule requirements of each client.
- We provide thorough planning in all areas of each project to fit the individual requirements for a positive impact on both the natural and built environments. Energy conservation and product safety are very important concerns.

Project Management:

- We carefully evaluate the client's program, design concerns, budget, funding sources, and other available data to assure a clear understanding of each project.
- We incorporate input from our client and consultants to establish the budget and schedule. These facets are updated during each stage of project development to insure our client's parameters are met.
- WYK's principals engage and manage the entire project team, from concept through occupancy. WYK Associates, Inc. has an outstanding reputation for providing construction administration services along with maintaining an excellent rapport with contractors.

WYK Strives to Design More than Just Buildings & Spaces, We Strive to Design SOLUTIONS For YOUR Needs.

FINE DINING
CMS Architecture

With designs around the world, founder Chris Smith brings his love of food and cooking to the architecture world, and has created a niche in the architectural industry.

NEOCLASSICAL
John Laffey

Neoclassical design meets the high-end residential market of Long Island's East End, resulting in the area's most breathtaking homes.

TECH-SAVVY
GMK Architecture

Bridging technology with the beauty of the great outdoors, this firm is focused on "bringing down the curtain" between the architect and the client.

ARCHITECTURE LEADERS TODAY

THE MAGAZINE FOR CAPTAINS OF INDUSTRY

www.architectureleaderstoday.com



Volume 1
Spring 2011
\$24.95 USD
\$28.95 CAN





WYK ASSOCIATES

designing buildings that fit peoples' needs



by Joan Tupponce

"Our company's roots date back to the early 1900s," said James Swiger, president of WYK Associates. "We have over 100 years of drawings in our files and archives."

With a century's experience under its belt, it's natural for a firm to have dozens of stand-out projects to showcase. Forefront in WYK's history is the West Pike Street government parking facility in Clarksburg, W.V. The project won a 2007 Merit Award from the West Virginia AIA. Now a Clarksburg hub, the multi-use pavilion hosts a variety of events, from farmers markets to weddings and private parties.

"This block within the historic district of downtown had fallen to years of blight and neglect," Swiger said. "We teamed with local architect Ralph Pedersen, for his extensive demolition and historical experience. We tore down everything but two corner buildings on the block."

Prior to demolition, the State Historic Preservation Office undertook a historical study and review of the building. The new project added underground utilities and a storm water management system.

Topping the upper level of a two-tier parking facility, WYK added a translucent-paneled "band shell."

"We designed the facility in a way that the railings can be removed on the center portion to use it as a stage for public events," Swiger said.

In efforts to preserve the historic district, WYK created an inconspicuous facility design, complimentary to adjacent properties. "We used brick and limestone so it blended," he said. "We also used stamped asphalt paving to create a brick pattern in the driving aisles."

During WYK's design phase, the firm helped the city see the project as more than just a parking garage. "As discussions went further it was determined it would be more useable to create a town square atmosphere," Swiger said. "It worked very nicely."

The Christie-Cutlip Office Complex, in the prestigious Charles Pointe Development off Interstate 79's technology corridor, offers another spotlight on the company's design expertise.

THIS SPREAD: Bank of Gassaway. Natural daylight at the drive-thru canopy provides same level of detail to vehicular users as walk-up customers inside the building. The lobby of the bank features a unique brick entry "cylinder."

Architecture Leaders Today 87

THIS SPREAD: West Pike Street Parking Facility. This facility was recently named "Jackson Square" in honor of Stonewall Jackson, whose birthplace was located directly behind. The structure serves multiple functions and fits in nicely with the historic fabric of downtown.

This two-story, 12,000 sq. ft. office complex, completed in 2007, was one of Charles Pointe Development's first erected buildings. Prominent along the skyline, the complex is highly visible from the Harrison-Marion Airport and Route 279 connector to the airport. "The client wanted a building that was timeless in character; something that would endure, with quality materials and design," Swiger said. WYK's durable designs incorporated large glass expanses around the arched entrance.

"We wrapped the building with two bands of brick detailing, using different colors and patterns," Swiger said. "Inside, we used glass blocks in the stairwell to create visual interest and allow natural daylight to come into the space."

The firm also designed a clock tower for the building, to add to its prominence. "It also functions to provide the time for everyone in the development," Swiger said.

Charles Pointe's complex includes many green elements, such as large overhangs to provide shade in summer and to harness the sun's warmth in winter. All offices in the building have operable windows for natural ventilation.

"We used high-efficiency lighting throughout the project," Swiger said. "The ceilings had high acoustic values to prevent sound transfer from one office to another."

Dark-tinted windows were used to reduce solar heat gain during the summer and to create privacy from the outside. "It also made the detail of the window stand out more by having a dark glass," Swiger said, noting that the green

CONTRACTING ENGINEERING CONSULTANTS

CEC congratulates James Swiger and WYK Associates on their achievements. The WYK and CEC team enjoys an ongoing working relationship. CEC is a structural and miscellaneous AISC steel fabricator using a state-of-the-art 3-D modeling system and CNC automated fabrication equipment. The provide quality, on-time sequenced deliveries throughout the eastern states. For more information on CEC, please visit www.cecsteel.com

BELDEN BRICK

Belden Brick, a nationally recognized leader in brick manufacturing since 1885, is proud to offer an extensive line of face brick and clay brick pavers. Belden's products are long-lasting because of their durable nature and fade-resistant color. They deliver a permanence that remains unmatched by any other building material. Belden products have an outstanding reputation for performing well under the most demanding of climates and conditions. Belden has a product that is sure to add beauty and elegance to any style of architecture. With hundreds of colors, sizes and textures to choose from, you won't have to compromise aesthetics for durability.

88 Spring 2011





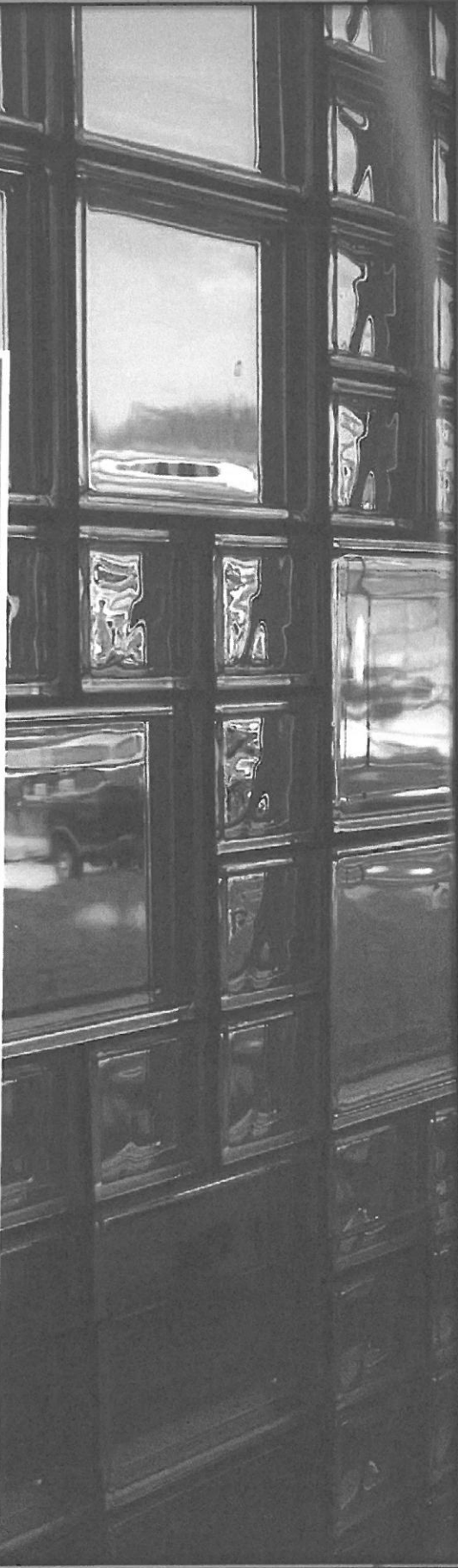
We designed the facility in a way that the railings can be removed on the center portion so it can be used as a stage for public events.



SOUTHERN ARCHITECTURE



90 Spring 2011



Our company's roots date back to the early 1900s. We have over 100 years of drawings in our files and archives.

design also carried over to the parking lot. "The light fixtures shine straight down on the parking surface so they don't allow light pollution."

When it came to complex's flooring, WYK utilized terrazzo tile with 70 percent recycled content. The building's design also included two outdoor decks on the second floor and a patio off the ground level.

"It was a fun project to work on," he said. "The owners really wanted to do things right. We spent special attention to detail."

Not all projects are easy from the start. Swiger recalls the challenges faced in designing a new branch of The Bank of Gassaway. The bank had to be built on a commercial strip, highly visible from I-79, including a McDonald's, an antique mall and a car dealership.

"They needed a building that would stand out within the context of the commercial strip," Swiger said. "They wanted a very unique building that would be identifiable as a bank during day and night."

Since many of the strip's buildings were metal or painted brick, WYK designed an attractive brick facade for The Bank of Gassaway. "It was

a nice use of materials and colors," Swiger said. "There are a couple historic towns a few miles away, so we pulled some details from those and put them into the building."

WYK used different colors of brick and stone in the project and installed large translucent skylights over the drive-thru and in the lobby. "We were trying to make a strong connection with the vehicle and the building," Swiger said. "We created natural light in the drive-thru so it doesn't feel closed in."

The design also included a very distinct entry "cylinder" that gives the impression of strength and security from the exterior. The light-flooded lobby is centered on axis with the vault. "When you walk in, the first thing you see is the vault," Swiger said. "It makes a statement of permanence and security. We wanted to play up the presence of the vault."

WYK also utilized green features in The Bank of Gassaway project, including a high-valued insulation on roof and walls, long overhangs, carpeting and floor finishes with recycled material, and paperless drywall to reduce mold. The firm also used high-efficiency lighting through-

out the building with dimmable switching in each office. "We used high reflective acoustic ceiling tile that reflects light off the ceiling," Swiger said. "It also reduces the chance of glare. It's a more comfortable lighting."

Beyond design specifics, the firm surmounted the site's size challenges. "It's a tight site," Swiger said. "We wanted to allow room for landscaping and to have some tie-in to the setting. I think we were able to do that by making a very efficient floor plan."

In the end, WYK satisfied its clients desire to stand out along its commercial strip. Over The Bank of Gassaway's main entrance, WYK added a clock, harkening to the banks of yesteryear. "The clock can be seen from the interstate," Swiger said. *ALP*

THIS PAGE: The Christie-Cutlip Building. An assemblage of traditional materials are detailed to reflect the rich architectural heritage of the region. The project features intricate brickwork and beautiful glassblock.

Photos courtesy of WYK Associates

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WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Projects

WYK Associates, Inc.



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Renovation & Adaptive Reuse Projects

WYK Associates, Inc.



Vienna Public Library
Vienna, WV



ARC Office
Clarksburg, WV



Health Access
Clarksburg, WV



Harrison County Senior
Citizens' Center
Clarksburg, WV



Wound Center for UHC
Bridgeport, WV

United Summit Center Day Treatment Center 2012

Contact: Jeffrey L. Pritchard, Director of Operations
(304) 623-5661

Vienna Public Library 2011

Contact: Alice Thomas, Director
(304) 295-7771

Health Access 2010

Contact: James A. Harris, Executive Director
(304) 622-2708

Fairmont State University 2006 – 2011

Contact: Stephanie Slaubaugh, Construction Project Manager
(304) 367-4861

Pocahontas County Courthouse 2009- Present

Owner: Pocahontas County Commission
Contact: Melvin Martin, Safety Director
(304) 799-3985

Antero Resources 2012

Renovating two office buildings.
Contact: John Giannaula, Director of Administration
(303) 357-6809

ARC Office 2007

Renovate a 2,500 sf former computer center for offices with ADA compliant toilets and entries and an upgraded façade
Owner: Association of Retarded Citizens, Clarksburg, WV
Contact: Al Wiggins, Project Manager
(304) 624-3641, Ext 110

North View Fire Substation 2007

Renovate an existing gas utility company's pre-cast concrete service center for a training facility with updated men's and women's toilet/shower facilities, kitchen, mechanical and life safety systems plus a 12 x 60 pre-engineered addition to contain the city's disaster response equipment and to house a substation with 3 apparatus bays and a wash bay.

Owner: City of Clarksburg, WV
Contact: John Keough, Clarksburg Fire Chief
(304) 624-1669 Ext 101



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Renovation & Adaptive Reuse Projects

WYK Associates, Inc.



Bridgeport Public Library
Bridgeport, WV



Dominion Exploration
and Production
Jane Lew, WV



North View Fire Station
Clarksburg, WV



Dixon & Hughes, Inc.
Clarksburg, WV

Allegheny Power System – Robinson Building 1999, 2000, 2001

Three phases of renovations to convert warehouse space for offices, employee's shower and locker room, upgrade electrical, HVAC and data systems, and provide accommodations for current accessibility standards.

Owner: Allegheny Energy, Parkersburg, WV

Contact: Bob Shaver, Superintendent of Building Maintenance
(304) 367-3263

Dominion Appalachian Development 2000

Conversion of existing 7400 sf National Guard Facility into ADA compliant offices, connected by a covered walkway to their existing office building, including façade renovation to match the structures.

Owner: Dominion Appalachian Development, Inc., Jane Lew, WV

Contact: Mike Hines, Manager of Supply Chain Services
(304) 884-2046

Taylor County Courthouse 1999, 1997

Extensive renovations of an open parking area under the building to become Magistrate's Court and ADA/building code requirements Expansion of Clerk's Record Rooms and addition of an exterior canopy.

Owner: Taylor County Commission, Grafton, WV

Contact: Nancy Fowler, County Clerk
(304) 265-1401

Harrison County Senior Citizens' Center 1999

Convert 5000 sf structure into offices for the adjacent Senior Citizens' Center with a connecting elevator.

Owner: Harrison County Senior Citizens' Center, Clarksburg, WV

Contact: Cynthia Freeman, CNPA, Director
(304) 623-6795

Wood County 911 Center 1999

Adaptive reuse of an abandoned elementary school to a modern emergency services center including offices, the 911 dispatching center and training facilities.

Owner: Wood County Commission, Parkersburg, WV

Contact: Terry Brown, Director
(304) 485-3828

Harrison County Public Safety Building 1993, 1995, 1997

Completed in three phases, this facility houses the 911 Center, Sheriff's Patrol facilities and offices for other related agencies, as well as, training and meeting classrooms and offices.

Owner: Harrison County Commission, Nutter Fort, WV

Contact: Harrison County Emergency Services Bureau Chief
(304) 624-8550



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Stockmeier Urethanes Clarksburg, West Virginia

Stockmeier Urethanes

Size: 32,500 S.F.

This is the third facility for this international manufacturer of industrial grade polyurethane. Headquartered in Germany, Stockmeier will now have the flexibility to reach markets in North and South America and to deal in both Euros and dollars.

By acquiring/renovating this existing pre-engineered shell building with its large developed site (another project completed by WYK Associates in the late 1990's) Stockmeier Urethanes has created contemporary offices and their first American production center.

They use specialized laboratories, production areas, storage spaces, and loading/transportation staging areas to comply with government oversight and regulations. The existing facility was expanded to include an enlarged loading dock with canopy, a new maintenance storage area, and a specialized storage tank facility.

WYK is currently working on a design to expand this facility. This will add 7,800 S.F. of warehouse space as well as an additional loading dock with a shipping receiving area.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Shell Building in the Northpointe Business & Industrial Park

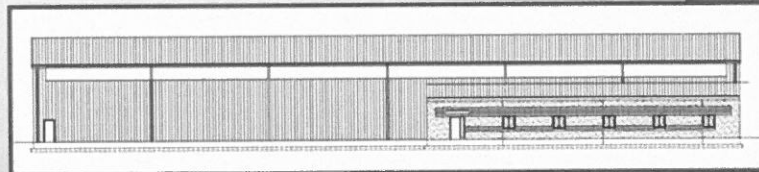
Kingwood, West Virginia

Shell Building in the Northpointe Business & Industrial Park

Size: 52,250 S.F. Total
47,250 S.F. High Bay
5,000 S.F. Office Space

This highly visible shell building was a project of the Preston County Economic Development Authority through West Virginia's EDA Shell Building Loan Program. It is located at the Hazelton Exit of Interstate 68. This location in the Northpointe Business and Industrial Park is convenient to the intersections of I-79 and I-68 and within 500 miles of the major population centers of the northeastern United States.

This building is immediately ready for build-out for tenant use. With a 22' eave height, the building is adaptable for many uses. The office portion is masonry clad with two colors of CMU. All utilities are available within the Northpointe Business and Industrial Park.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

World Vision Storehouse – Additions and Renovations

Philippi, West Virginia

World Vision Storehouse Additions and Renovations

Size: 15,000 S.F. Warehouse
3,000 S.F. Loading Dock

WYK Associates, Inc designed the addition and renovations for the Appalachian Storehouse of World Vision. This ministry receives, stores and distributes a wide variety of building materials at little or no cost to allow families in need to improve and weatherize their homes. Housed in a former dressmaking shop, the facility needed additional space and upgrades to the existing building.

The design reoriented the flow of materials through the facility by adding a 3,000 S.F. loading dock/staging area on the east end of the existing building, and approximately 15,000 S.F. of new warehouse space on the west end. The entire facility received new fire alarm and sprinkler systems, and additional and upgraded office and administrative spaces. Lighting upgrades were also performed in the existing warehouse space for to create a much better work environment as well as save on energy costs.

The finished building more than doubles the storage capacity of the operation, and eliminates long standing traffic conflicts between delivery trucks at the loading docks and client vehicles.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Information Manufacturing Corporation Cowen, West Virginia

Information Manufacturing Corporation (I.M.C.)

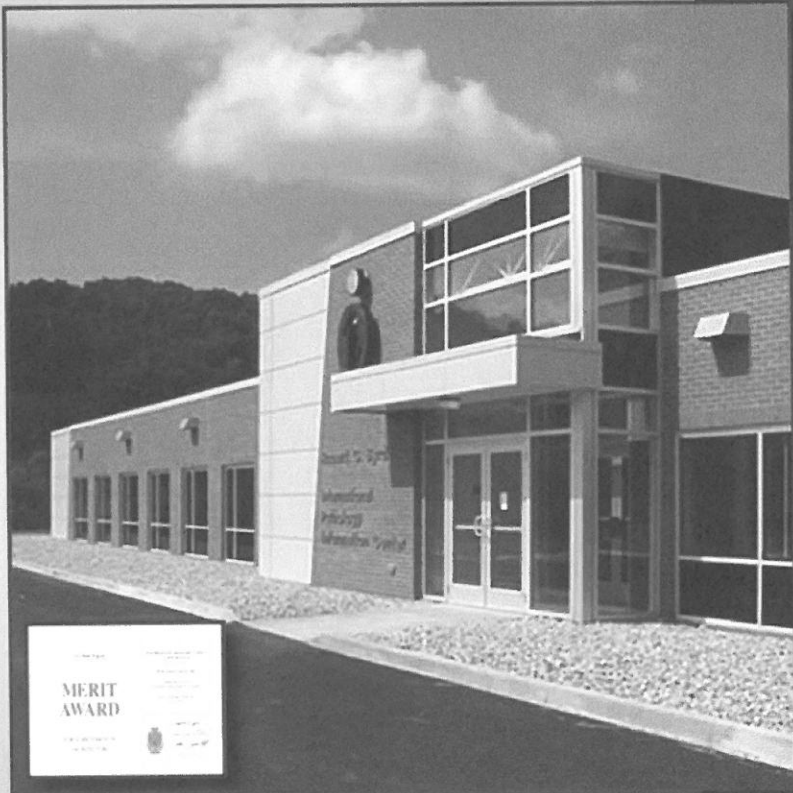
Size: 18,000 S.F.

With Sponsorship from Senator Robert C. Byrd, the Webster County Development Authority commissioned this "state of the art" facility to house Information Manufacturing Corporation's regional operations. This company transforms data into business intelligence and manages electronic data for government agencies.

The facility embraces a "hi-tech" image through expressions of form and materials. Extensive use and thoughtful composition of architectural metal panels, large glazed panels, and geometric proportioning of the brick masonry are integral to the building's character. The concept of manufacturing information guided the functional interpretation of the building's interior. Demands of the company's activities dictated large, ultra-flexible spaces defining the majority of the form. The building combines this square footage with smaller spaces for offices, secure storage spaces and conference areas.

Much consideration was given to employing user-friendly materials and creating environments whose focus was on the comfort of the users. Strategies range from indirect lighting in data processing areas, to creating exterior views from virtually every workstation.

The important notion of sustainability is addressed through use of recycled steel, regional materials, and an innovative geothermal heat pump heating and cooling system.



2007 AIA-West Virginia - Merit Award for Design Excellence





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Huntington Bank Operations Center Technology Park, Fairmont, West Virginia

Huntington Bank Operations Center

Size: 17,000 S.F.

Designed and built to meet the demands of increasing technology in the banking industry, this state of the art facility has continued to change with the needs of today's commerce. The site along Interstate 79 was selected to promote Huntington Bank's regional thrust of growth and to allow the bank to consolidate many in-house banking operations. As functions were further consolidated to their Ohio headquarters, Huntington sold this facility.

The facility's operating systems were designed to allow maximum flexibility of office configuration. Both security and networked computer operations within have been expanded. This sustainability was one of the project's goals. Today the Center accommodates the technology requirements of the FBI, who is its current tenant.

Addressing the wetland issues of this highly visible location created a positive feature, which also enhances security. Parking and service areas are maximized by the building's careful site selection.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

**FAA Sector Field Office and Storage
Building at North Central WV Airport**
North Central WV Airport - Bridgeport, West Virginia

FAA Sector Field Office

Size: 6,000 S.F.

This facility, built along the access road to the airport terminal, houses the Airfield Services Support Staff to the FAA. These technicians provide support for the airport safety and navigation systems for the entire state of West Virginia. The building houses not only offices space, but shops for repair and assembly of components and a garage area for storage of equipment and maintenance of vehicles.

Storage Building

Size: 4,000 S.F.

This pre-engineered building provides garage space for the airport's snow removal and runway support equipment. The building includes minimal office space for record keeping and is designed to accommodate storage of salt, sand and cinders to keep both the runways and the roads open during winter weather conditions.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

West Virginia Air Center North Central WV Airport - Bridgeport, WV

West Virginia Air Center

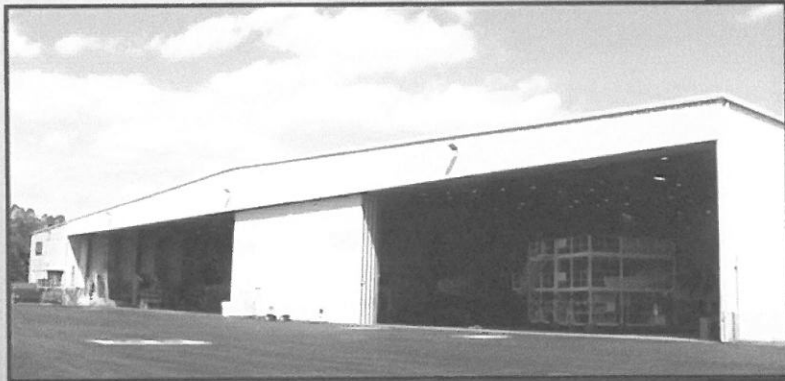
Size: 146,000 S.F.

34' Eave Height
28' Tall Doors
280' Spanned Opening

The building designed for the West Virginia Air Center is now occupied by Bombardier Services America Corp. The facility houses a complete aircraft maintenance facility which services mid-sized airplanes for both private airlines and the military. The building features four large aircraft maintenance bays which can accommodate up to a dozen aircraft for all types of maintenance and retrofit services.

The center has shops to support all phases of aircraft maintenance including interior finishes, composite materials, avionics and electronics and machine tooling. One bay is specifically designed for the removal and application of paint, and the building has state of the art fire protection and hazardous material collection systems. The modern office and support facilities offer unique views of the maintenance bays, and afford all employees an opportunity to observe the extensive and detailed work as the airplanes are torn down and rebuilt.

The project was completed in just over 14 months using a fast track construction management approach. The construction manager, all contractors, the owners representatives and the design team worked very closely to assure that all project milestones were met.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

East End Fire Station Clarksburg, West Virginia

East End Fire Station

Size: 2,400 S.F.

The Clarksburg East End Fire Substation was built to replace an existing station which had become outdated. This station features two apparatus bays, plus living facilities for the firefighters. The building also features a vehicle exhaust system and utilizes punched openings in the façade to allow natural light and ventilation for the apparatus and living spaces.

This facility is located on a small corner lot along one of the City's main thoroughfares. The scale, materials and landscaping of the building respect the surrounding residential neighborhood but yet gives the building presences within its surroundings, creating a unique juxtaposition between the blend of commercial and residential construction found throughout the streetscape.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

West Virginia Air Center North Central WV Airport - Bridgeport, WV

West Virginia Air Center

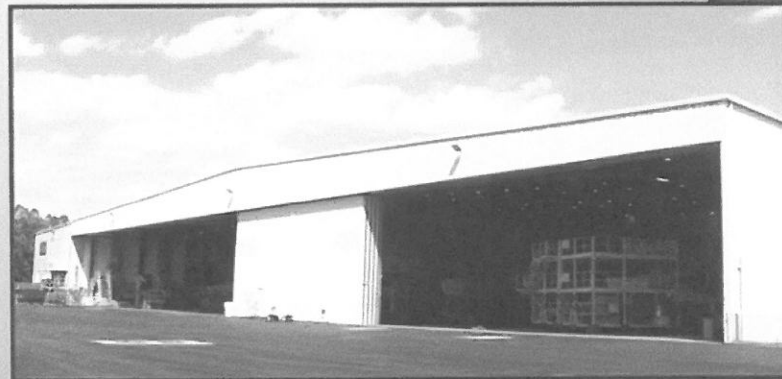
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WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Bridgeport Public Safety Substation

Bridgeport, West Virginia

Bridgeport Public Safety Substation

Size: 15,000 S.F.

This facility is located directly adjacent to the new United Hospital Center at Jerry Dove Drive and strategically situated within a ½ mile radius of I-79 and the White Oaks and Charles Pointe Developments.

The building is a substation for the Fire and Police Departments of the City of Bridgeport. The structure is a combination of load bearing masonry and structural steel frame with a decorative brick veneer. The Apparatus Bay and supporting facilities are one story, slab-on-grade with an abundance of natural daylight. The radiant gas heating, vehicle exhaust and high efficient lighting systems are integrated nicely into the exposed roof structure above. The administrative offices along with each of the department's support facilities are in a connected, two story masonry and steel frame structure.

This facility was designed as a 75-100 year structure to serve the needs of this ever growing area region. The building's power is completely backed up by an emergency generator which will allow it to double as an emergency shelter in times of need.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Christie-Cutlip Office Complex Bridgeport, West Virginia

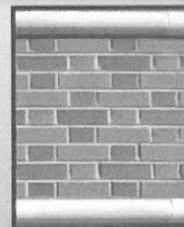
Christie-Cutlip Office Complex

Size: 12,000 S.F.

This new office complex is located in the new prestigious Charles Pointe Development directly off the I-79 Technology Corridor. Their location is highly visible from the Harrison-Marion Airport and the I-279 connector to the airport. The client wanted a distinguished and comfortable modern design that incorporates historic/traditional architectural features.

The welcoming arched entry of the structure is flanked by a distinguished soaring clock tower to give the building presence within its surroundings. The brick incorporates intricately detailed ribbon bands which reflect a common building practice of yesteryear. Dark tinted aluminum storefront windows provide views to the majestic surrounding hills and the arriving and departing aircraft. These energy efficient windows provide contrast to the brick textures while reducing heat gain and glare within the offices. The large overhangs provide protection to the façade from the elements as well as reduce direct heat gain in summer months.

See this building featured on Belden Brick's Website at:
<http://www.beldenbrick.com>





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

The Frank & Jane Gabor West Virginia Folklife Center

Fairmont State University, Fairmont, West Virginia

The Frank & Jane Gabor WV Folklife Center at Fairmont State University

Size: 6,400 S.F.

Cost: \$1.3 Million

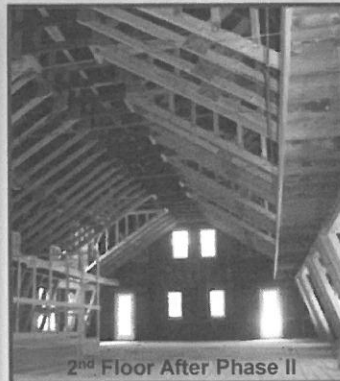
Phase I: Completed 2009

Phase II: Completed 2010

Phase III: Completed 2011

Originally a barn, this historic building is at Fairmont State University's new main campus entrance. This charming stone building has previously been used as apartments and storage. Now it is home to Fairmont State University's Folklife Program and doubles as a Visitor's Center to the campus.

By removing the third floor and gutting the second floor plan, WYK designed a two story daylighted gallery space on the existing second floor. Remedial structural repairs were needed to brace the existing roof structure once the third floor was removed. The first floor houses offices, classrooms and informal gathering spaces. An elevator, replacement of 72 windows/doors, natural and specialized lighting, sprinkler system and HVAC systems have all been integrated into this structure. By marrying the historic character of the building with upscale contemporary features and educational elements, this Folklife Center will welcome alumni, students, faculty and the general public to share many public functions for years to come.



2nd Floor After Phase II



2nd Floor Before





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Immaculate Conception Parish Center Clarksburg, West Virginia

Parish Center:

Immaculate Conception Church

Project Completion:
February 2014

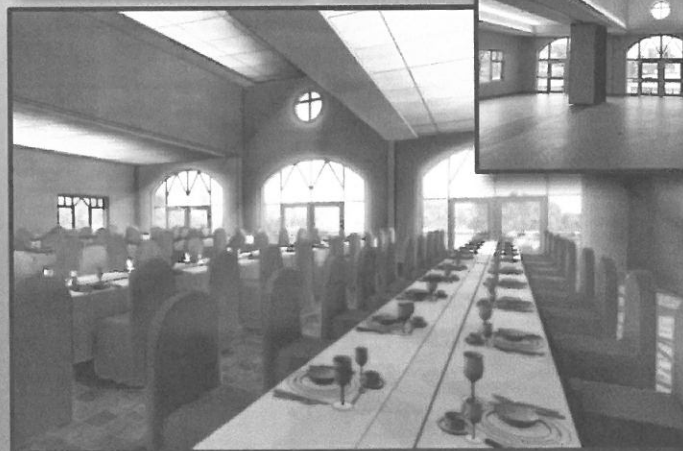
Estimated Cost: \$3.4 Million
Size: 15,000 G.S.F.

The new parish center is located directly behind the Immaculate Conception Church in Clarksburg. This facility houses the church offices, a large banquet room with a capacity of 350, commercial kitchen, meeting spaces and smaller, intimate gathering spaces.

The center spine of the building is very spacious and is capped with translucent panels which will flood the interior spaces with natural light. It is centered on axis with the campanile of the original church.

Located in a transition point on Main Street between commercial and residential neighborhoods, the exterior features masonry to compliment the existing church as well as a roof with a tile appearance. The size and massing of the building pulls from both the church elements as well as surrounding houses to offer a smooth transition within the historic fabric of the street.

The porte cochere provides users with a welcoming and safe haven from the elements of Mother Nature. Landscaping will anchor the building to its surroundings and offer a sense of calm and serenity.





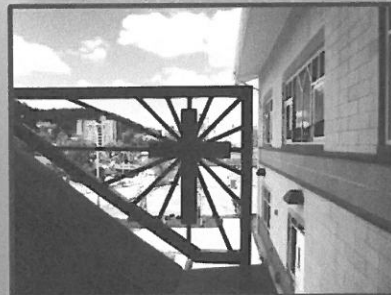
WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Immaculate Conception Parish Center Clarksburg, West Virginia



Father Casey B. Mahone, Pastor of Immaculate Conception Church in Clarksburg, cuts the ceremonial ribbon during the grand-opening ceremony for the new Parish Center April 25, 2014.

The center features an outdoor patio with a gas grill for warm weather events, and more parking spaces than before the project started.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

UNDER CONSTRUCTION

Davis Memorial Hospital Elkins, West Virginia

Davis Memorial Hospital Elkins, WV

Projected Completion Date:
March 2014

Estimated Cost: \$11 Million
Size: 85,000 G.S.F.

Davis Health System is adding on a two and three story Outpatient Service area in addition to a three story Physician's Office Building. The interior layout of the existing hospital is designed so that minimal disturbance will take place at their two existing locations while joining the present corridors in with the new. The façade will feature brick and glass storefront to blend in with the historic fabric of the town but yet give it a modern look.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

2013 Architectural Awards American Institute of Architects – West Virginia

Fairmont State University – Frank & Jane Gabor Folklife Center Fairmont, West Virginia

Size: 6,900 S.F.

The Folklife Center was constructed in 1903 by Michael Kennedy and is the last remaining vestige of the Kennedy's dairy farm. The building had been seriously compromised by years of neglect and fire damage. Due to the building's history and notable residents, it was placed on the National Register of Historic Places in 2006.

Fairmont State University – Frank & Jane Gabor Folklife Center - Interior Design Fairmont, West Virginia

After developing an architectural program for the Folklife Program, WYK Associates, Inc. decided to remove a floor from the existing structure and create a first floor classroom area, and a second floor "Great Room" which would restore the open structure of the barn and provide both exhibit and multi-use space.

Shinnston Community Center Shinnston, West Virginia

Size: 17,000 S.F.

The facility will serve as a performing arts center, a look out for downtown events such as parades, etc. A much needed large banquet hall, accommodating 350 people, will provide the city with a gathering space for meetings and community organization. There is also a room solely dedicated to the Shinnston Senior Citizens, and another additional meeting room. The upper level of the building serves as the city administration offices and Council Chambers.



2013 WV-AIA Merit Award for Achievement in Architecture Design



2013 Merit Award for Achievement in Architecture Design – Interiors



2013 Merit Award for Achievement in Architecture Design – Unbuilt



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Past Architectural Awards American Institute of Architects – West Virginia

Information Manufacturing Corporation (I.M.C.) Cowen, West Virginia

Size: 18,000 S.F.

With Sponsorship from Senator Robert C. Byrd, the Webster County Development Authority commissioned this "state of the art" facility to house Information Manufacturing Corporation's regional operations. The important notion of sustainability is addressed through use of recycled steel, regional materials, and an innovative geothermal heat pump heating and cooling system.

West Union Bank- Newpointe Clarksburg, West Virginia

Size: 9,000 S.F.

The design uses a combination of glass curtain wall with brick and monumental masonry units to present a very contemporary image. Because of the building orientation, the glass elevations require the use of solar glazing and a brise soleil system to reduce heat gain and glare in the offices.

West Pike Street Parking Facility Clarksburg, West Virginia

Size: 57,000 S.F.

The facility's design complements all the adjacent properties, both historic and modern. A variety of outdoor activities are easily held here, enhancing the city's economy and livability. Designed by Associated Architectural Consultants, PLLC, which is a combination of Ralph Pedersen Architect & WYK Associates, Inc.



2007 AIA-West Virginia -
Merit Award for Design Excellence and
Sustainable Design



2007 AIA West Virginia
Merit Award for Design Excellence



2008 AIA West Virginia -
Merit Award for Design Excellence



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

On The Boards
WYK Associates, Inc.



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

ON THE BOARDS

Shinnston Community Building Shinnston, WV

Shinnston Community Building

Shinnston, WV

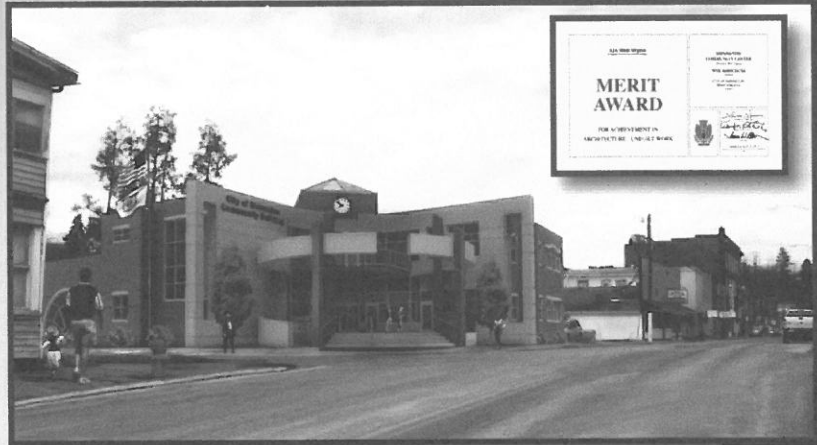
Estimated Start Date:
Spring 2014

Projected Cost:
\$5.5 million

Welcoming residents and visitor alike, the Shinnston Building will stand sentinel at the entrance to the historic downtown area. Embracing Shinnston's rich heritage and history, the building meets the needs of the city in the twenty first century.

This two story, 18,000 S.F. structure will house city government office on the upper floor along with a spacious council chambers doubling as a large conference area.

The first floor will feature a **large banquet room capable of comfortably seating 375 persons, a commercial kitchen** and a dedicated space for the city's senior citizen organization. A community meeting space is also designed into the plan. This facility will utilize low maintenance materials throughout.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Robinson Grand Theatre— City of Clarksburg

Clarksburg, West Virginia

Robinson Grand Theatre City of Clarksburg

Bidding: 2014

Estimated Cost: TBD

The Robinson Grand Theatre has been embedded into the culture and memories of the Clarksburg area community for nearly a century. This historic building was once thriving with the latest music, plays, and films of its time. The restoration of the theatre presents many challenges, but even greater opportunities.

Using the latest in 3D Scanning technology, the existing conditions will be documented using a precise 3D scan that creates a virtual blueprint of the building as it stands. Once the building is mapped, state of the art computer drafting will lead the project into its next phase, using Building Information Modeling (BIM) software.

Moving forward, the design approach will be focused around our goal in creating a dynamic culture center that can serve a wide range of community activities and functions.



CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety, understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

WYK ASSOCIATES, INC.
(Company)

James B. Swiger, AIA
(Authorized Signature)

James B. Swiger, AIA, President
(Representative Name, Title)

304-624-6326 304-623-9858
(Phone Number) (Fax Number)

7/22/14
(Date)



We provide Solutions. You can expect Excellence.



We provide Solutions. You can expect Excellence.

FIRM PROFILE



Miller Engineering respectfully provides this expression of interest to the State of West Virginia Department of Administration for design services of various maintenance projects, EOI # GSD146440.

Our engineered solutions involve a **complete assessment process**: investigation, observation, communication with stakeholders, system analysis, building modeling, and engagement from our entire team. We approach each and every project with this process and the guiding principle that buildings are designed to be livable and function in their intended purpose.

Many years of experience with HVAC correction, HVAC upgrades, and mechanical system replacement is a mainstay of the type of work produced. Over the past (11) years Miller Engineering has engineered solutions for over \$17.2M in mechanical system upgrades, repairs, and renovations for projects of all scopes for private owners, local, and state government. Our team has engineered repairs and stabilized systems to assist an owner to plan for required upgrades, system repair or develop a maintenance plan to extend the life of a system.

Our team has unique skill-sets regarding engineered maintenance solutions. Each member of the team has hands-on mechanical system installation, construction, design, and maintenance experience.

Mechanical designs are expected to meet specific criteria for technical and regulatory requirements. Our designs will be practical, operable, and above all maintainable. Dedicated and customary site visits will ensure that the intended, designed solution is installed and integrated into the building's system and project scope requirements.



Engineering Design and Consultation

- Mechanical
- Electrical
- Plumbing
- HVAC Design
- Renovation
- New Construction

Construction Administration

Project Management
Maintenance/Facility Plans
Code Observation

Communication Systems

Intercomm & Public Address
Voice/Data/CATV
Urgent Response

Energy

Power Supply (main & backup)
Green & Renewable Consulting
Systems Utilization & Upgrades
Sustainable Solutions

Facility Maintenance

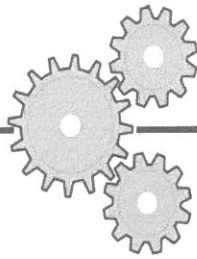
Systems Assessment & Solutions
Evaluation for Upgrading
Planning/Life-Cycle Control
Engineered Replacement

Life Safety Inspection/Design

Fire Protection & Alarm Systems
Access Control
Fire & Electrical Investigation

Industry Experience

Education
Local & State Government
Commercial Development
Healthcare
Public Pools (indoor & outdoor)
Department of Parks & Recreation



MILLER
ENGINEERING, INC.

We provide Solutions. You can expect Excellence.


REFERENCES

Project Name/ Description	Contact	Address	Phone
Hawk's Nest Lodge HVAC Upgrade	Bradley S. Leslie, PE Assistant Chief	State Parks Section 324 Fourth Ave. S. Charleston, WV 25303	(304) 558-2764
Cheat Lake Elementary School HVAC and Systems Upgrade	Ed McCabe Clerk of the Works	210 High Street Morgantown, WV 26505	(304) 276-0669
Greer Industries Building HVAC and Systems Upgrade	Chris Halterman Director of Operations	1201 Hal Greer Boulevard Morgantown, WV 26508	(304) 376-2642
Metropolitan Theater HVAC Upgrade	Mark Wise Project Manager	BOPARC 797 E. Brockway Avenue Morgantown, WV 26501	(304) 296-8356
WVU - Chestnut Ridge Research Building HVAC Upgrade	John Summers Project Manager	Management PDC 979 Rawley Lane Morgantown, WV 26506	(304) 293-7773

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Miller Engineering, Inc.
(Company)


(Authorized Signature)

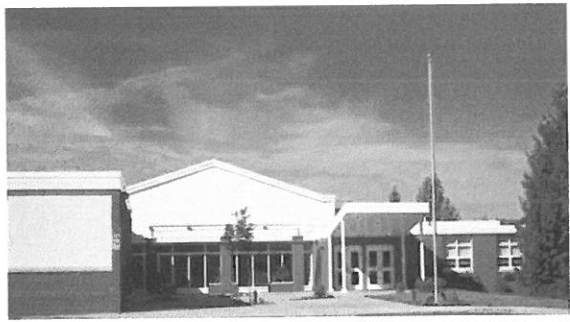
Craig Miller, PE - President
(Representative Name, Title)

(304) 291-2234 • (304) 291-2246
(Phone Number) (Fax Number)

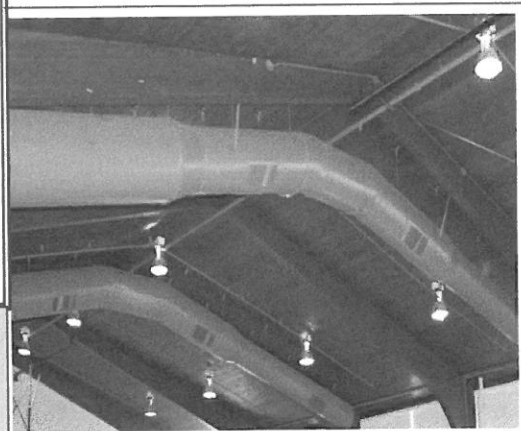
July 7, 2014
(Date)

Cheat Lake Elementary School HVAC and Systems Upgrade

Expression of Interest: GSD146440
Design Services for Various Maintenance Projects



(Miller Engineering Services)
Mechanical, Electrical, Plumbing,
Fire Protection, Fire Alarm, Public
Address and Clock System



Background and Project Scope

Total Project Budget: \$5.5M
MEP Budget: \$1.6M
Project Status: Complete

Location: Cheat Lake, West Virginia
Facility Area: 17,000 ft²
Project Completion Date: 2011

Due to growth in the area, the middle school and elementary school are being conjoined into one, expanded elementary school. The once separate structures are now connected by a sky bridge walkway. The occupancy of the building was increased producing a need for upgrades. New air conditioning was added to previously unconditioned areas by commercial-grade roof top units.

The new structure will require systems to be unilateral and upgraded in order to create consistent atmosphere.

Miller Engineering's Role

Joining two separate structures into one large structure precipitated a need to design new systems while revamping existing systems, and addressing fire safety standards to meet the demands of the owner's new expanded facility. Multiple systems were upgraded and integrated during the project.

Ventilation, electrical, data, and expansion of the sprinkler and fire systems were all addressed. The original steam heating system was replaced, bathrooms were updated, and the gym's air conditioning was improved under this project. Finally, the clock, public address, and intercom systems were updated to serve the new expanded facility. The project's goals were successful and integration of the new cooling system inside the gym was completed with a level of aesthetic value.

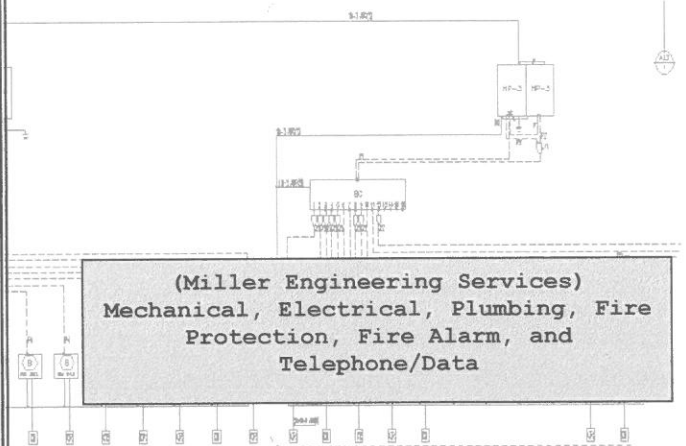
The owner is very pleased with the outcome and occupancy satisfaction of the atmosphere in the building has increased.

Project Owner	Project Manager	Prime Contractor
Monongalia County Schools 210 High Street Morgantown, WV 26505 Phone: (304) 276-0669	Ed McCabe Clerk of the Works 210 High Street Morgantown, WV 26505 Phone: (304) 276-0669	Rycon Nick Grguras 2525 Liberty Avenue Pittsburgh, PA 15222 Phone: (412) 392-2525



WVU - Chestnut Ridge Research Building HVAC Upgrade

Expression of Interest: GSD146440
Design Services for Various
Maintenance Projects



Background and Project Scope

Total Project Budget: \$610k
MEP Budget: \$185k
Project Status: Complete

Location: Morgantown, West Virginia
Facility Area: 5,700 ft²
Project Completion Date: 2009

The renovation of previous storage space into usable office and conference space was the goal of this project. The owner sought an aesthetic, structural and architectural appropriate, concealed mechanical system integrated into the structure's existing space. The existing systems were to be recycled and incorporated into the renovation to minimize expense.

Miller Engineering's Role

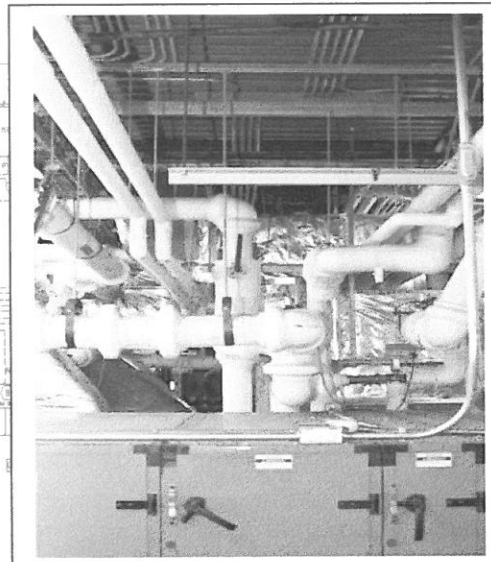
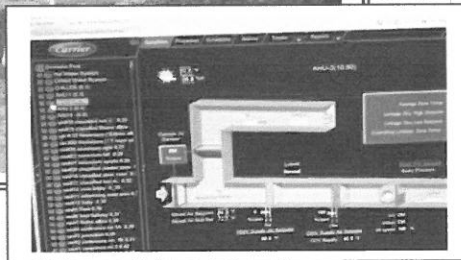
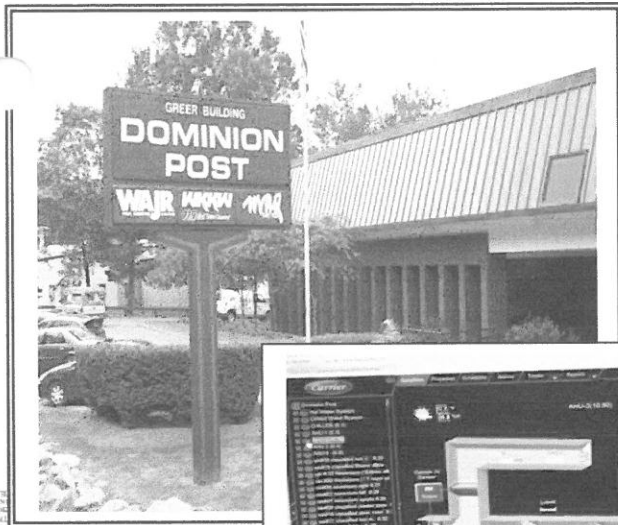
The project required the installation of a new HVAC system to serve the (5th) and (7th) floors of this building. A new air system was installed in the space while incorporating a rooftop condenser. During a field study, the need for a hot water system was discovered and resulted in re-piping the existing building's hot water system to increase heating capacity. Electrical and plumbing systems were developed to support the retrofit of this building. The air system incorporated enthalpy-based, outside air economizer and (CO₂) control of ventilation for increased energy efficiency. The mechanical, electrical, and plumbing systems had to be concealed were appropriate and work around existing building systems, such as roof drain leaders and space constraints. Engineered solutions were critical to achieve the HVAC upgrade without affecting the building's structural or load capacity. Extensive detailing of system components and aggressive construction management combined to bring this highly successful project to completion.

Project Owner	Project Manager	Prime Contractor
West Virginia University 979 Rawley Lane Morgantown, WV 26506	John Summers WVU Facilities Management PDC 979 Rawley Lane Morgantown, WV 26506 Phone: (304) 293-7773	Landau Building Company Alex Dixon 9855 Rinaman Road Wexford, PA 15090 Phone: (724) 935-8800



Greer Industries Building HVAC and Systems Upgrade

Expression of Interest: GSD146440
Design Services for Various Maintenance Projects



(Miller Engineering Services)
Mechanical and Electrical

Background and Project Scope

Total Project Budget: \$1.8M
MEP Budget: \$1.8M
Project Status: Complete

Location: Morgantown, West Virginia
Facility Area: 18,000 ft²
Project Completion Date: 2010

The Greer building is home to the Dominion Post newspaper, several local radio stations, and office space for these media entities. Upon construction in 1967, the multi-zone HVAC systems were state of the art. The systems have lasted twice their life expectancy. This project entailed reconfiguring air systems to better serve the floor plan of the building and create consistent atmospheric conditions for its residents; keeping in mind the electronic production needs of the facilities users. Temperature fluctuations throughout the building were extreme and posed issue to its residents.

Miller Engineering's Role

During a field study, Miller learned of HVAC system disintegration, interconnection of air systems between two levels of the building, and the need for the facility to maintain occupancy during the renovation process. The goal of the project was to be a phased approach that integrated, updated, and stabilized temperatures throughout the current floor plan, building levels, and pending office reconfigurations. The main air handling systems, piping, and ductwork were replaced and reconfigured as a necessity to serve the building's multiple levels and floor plans. The project was a success as a newly designed system was implemented into the existing floor plan and devised as scalable for future changes. Thus, temperature control issues were resolved and the residents of the building could enjoy a more consistent, hospitable working environment.

Project Owner	Project Manager	Prime Contractor
Greer Industries, Inc. 1201 Hal Greer Boulevard Morgantown, WV 26508 Phone: (304) 376-2642	Chris Halterman Director of Operations 1201 Hal Greer Boulevard Morgantown, WV 26508 Phone: (304) 376-2642	Delattre Corporation Marty Delattre 505 Hudson Avenue Monongahela, PA 15063 Phone: (724) 258-8571



Hawks Nest Lodge HVAC Upgrade



(Miller Engineering Services)
Mechanical, Electrical, Plumbing



Background and Project Scope

Total Project Budget: \$1.3M
MEP Budget: \$509k
Project Status: Complete

Location: Ansted, West Virginia
Facility Area: 28, 500 ft²
Project Completion Date: 2012

Hawks Nest Lodge is located on the grounds of Hawks Nest State Park in West Virginia. Hawks Nest HVAC replacement focused on the patron rooms within the lodge but the designs for the public areas were also included to prepare for future funding.

A building on the National Register of Historic Places, the replacement had to be accomplished with minimal impact on the building façade and structure. As an ARRA/WVDOE funded project, it had an extremely short design period and delivery requirement.

Miller Engineering's Role

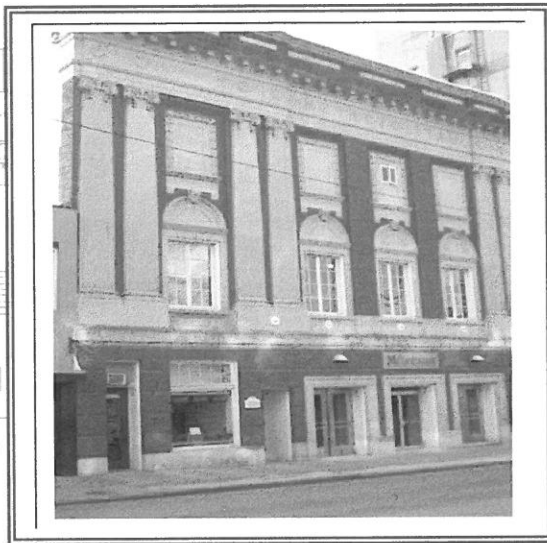
The construction period was shortened by (20%) by the owner after bidding, making our construction administration all the more critical in delivering the project. The funding agency commented that the project was initiated by the owner "much later" than many others but finished first and completely met the requirements of the funding agency.

The response has been excellent, the patrons of the lodge immediately began to comment on how much nicer their visits are now than before.

Project Owner	Project Manager	Prime Contractor
West Virginia Department Of Natural Resources 324 Fourth Ave. S. Charleston, WV 25303 Phone: (304) 558-3315	Bradley S. Leslie, PE Assistant Chief State Parks Section 324 Fourth Ave. S. Charleston, WV 25303 Phone: (304) 558-2764 Ext. 51826	Reno Bros, Inc. Eric Mahaffey 3406 43 rd St. Box 53 New Brighton, PA 15066 Phone: (724) 843-8000



Metropolitan Theater HVAC Upgrade



(Miller Engineering Services)
Mechanical, Electrical and Plumbing

Background and Project Scope

Total Project Budget: \$325k
MEP Budget: \$325k
Project Status: Complete

Location: Morgantown, West Virginia
Facility Area: 15, 400 ft²
Project Completion Date: 2006

The Metropolitan Theater is a historical structure which is currently being revitalized by the City of Morgantown and a concerned group of citizens. Air condition is required to use the facility throughout the year and to maintain a consistent atmosphere to preserve the structure's unique plaster interior finish and for patrons to enjoy the facility year round.

Miller Engineering's Role

The Metropolitan Theater underwent an HVAC system upgrade several years ago but work was left unfinished and the budget was expended by a previous contractor. No project record drawings were created. After a field study was concluded, new, independent, HVAC calculations and computer modeling of the building systems were necessitated.

The goal of protecting the historic nature of the theater during system upgrades was paramount. The project entailed design, code upgrades, and the installation of air distribution systems, retrofits of air handling systems, completion of hot water reheat systems, and new control systems utilizing (CO2) demand based ventilation. The project was a success and yielded systems with increased energy efficiency. Project record drawings were created, renovations enhanced the facility utilization, and the historic landmark's integrity was left intact.

Project Owner

BOPARC of Morgantown
797 E. Brockway Avenue
Morgantown, WV 26501
Phone: (304) 296-8356

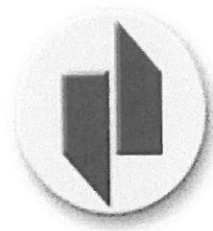
Project Manager

Mark Wise
BOPARC
797 E. Brockway Avenue
Morgantown, WV 26501
Phone: (304) 296-8356

Prime Contractor

Suburban Plumbing and
Heating
Tom Turner
240 Scott Avenue #3
Morgantown, WV 26508
Phone: (304) 216-5570





DLMDECISIONS_{LLC}



- DLM Decisions LLC is a cutting-edge construction consulting firm
- Owned and operated by David L. Morris
- 30 years of construction industry experience
- Creative and innovative thinking with a logical overlay
- Solutions and value in mind at all times
- Rapid research abilities
- Extensive background in Commercial and Historical work
- Estimating experience on projects up to \$77 million
- Construction experience on projects up to \$31 million
- WV General Contractor License
- WV Master Plumber License
- Decisions and Services Offered:
 - Project Feasibility
 - Design Constructability Analysis
 - Conceptual Estimating
 - Preconstruction Estimating
 - Bidding Phase Assistance
 - Contractor / Designer / Owner Liaison
 - Contract Administration
 - Project Management
 - Construction Industry Business Models and Inception
 - Building Forensics and Financial Examinations



DLM DECISIONS LLC

David L. Morris

West Virginia Capitol Complex Partial Project List

Project	Owner	Project Description
Building 4 Elevator Work	WV General Services	Extended existing elevator penthouse 1 floor New elevator cabs and traction equipment
Building 6 Handicap Ramp	WV General Services	New concrete 100' handicap ramp and accessories.
WV Main Capitol Building Interior Dome	WV General Services	Full historical restoration of the dome and rotunda area.
Building 3 Stair Replacement	WV General Services	New exterior steel fire stair from the basement to ground floor.
Building 4 Retaining Wall	WV General Services	New curved concrete loading dock retaining wall at the upper section of the drive.
Building 4 Steel Repairs/ Fan Removal	WV General Services	Steel repairs to weather damaged beams.
Cultural Center Great Hall Renovation	WV Division of Culture and History	Interior renovation to Culture Center Great Hall Included a tunnel for continued public use
WV Governor's Mansion Phase 2	WV General Services	Exterior work - painting, wood repairs & masonry pointing to the Governor's Mansion
Building 5 Floor Repair	WV General Services	Concrete replacement to the 10th and 11th floors Extensive shoring and concrete logistics
Senate Offices - West Wing	WV Senate	Full interior office renovation with historical value for all elements. Completed in 3 phases.
DHHR Bldg 3- 2nd & 5th Floor	WV DHHR	Full interior renovation with ceilings, floors lighting and wall reconfigurations. Phase 1
Capitol Parapet Wall Repair	WV General Services	Repairs to the parapet wall over the Senate Extensive repairs to waterproofing systems
Main Capitol Stone Probes	WV General Services	Further investigation of conditions found during the parapet repairs. Was the ground work for a massive parapet restoration to the Main Capitol.
Dome Gilding Probes	WV General Services	Investigation of structural conditions prior to the exterior dome restoration.
DHHR Bldg 3- 4th Floor	WV DHHR	Full interior renovation with ceilings, floors lighting and wall reconfigurations. Phase 2

Post Office Box 104 | Walton, West Virginia 25286
www.dlmdecisions.com | 304.741.1623 | 304.577.9381 fax



In April 1998, Marshall University set out to restore the exterior of the building that is the cornerstone of the facility. David L. Morris and his construction firm played a large part in this restoration. In five short months, David, in conjunction with 3 subcontractors and a great deal of cooperation from the Owner and Design team, organized and executed a full masonry restoration which included over 23 miles of brick tuck pointing, over 3 acres of brick cleaning and a variety of stone restoration, ranging from replacement to consolidation to cleaning. The work progressed with the building and campus completely occupied, as well as three other construction projects under way either in the same building or immediately adjacent to it. Many logistical factors including a 5-foot wide access on the north and the return of fall students were dealt with in an orderly fashion. The final product is an incredible revival of the then 135-year-old founding facility at Marshall University.





When the interior dome of the West Virginia State Capitol received its first restoration ever in 1995, David L. Morris was there to manage the project.

Throughout the previous 64 years, the interior of the dome had fallen into disrepair. Large cracks from the lack of expansion joints had let the plaster fall to the ground in huge chunks. Additionally, the caulk joint at the base of the exterior dome had failed and let water in, which then further damaged the inner rotunda walls.

The restoration project, which took eight months to complete at a cost of 1.5 million dollars, was a logistical challenge from the first day. The scaffolding alone took 10 weeks to complete and required 11 tractor-trailer loads of material to reach the top.

Other necessary work included cleaning the rotunda marble, repairing the column fireproofing behind the rotunda walls, installing a retensioning system to prevent additional sagging in the inner dome, exterior caulking, plaster repairs and repainting the entire area. When the project was finished, the original luster and magnificence had returned to the vast interior.

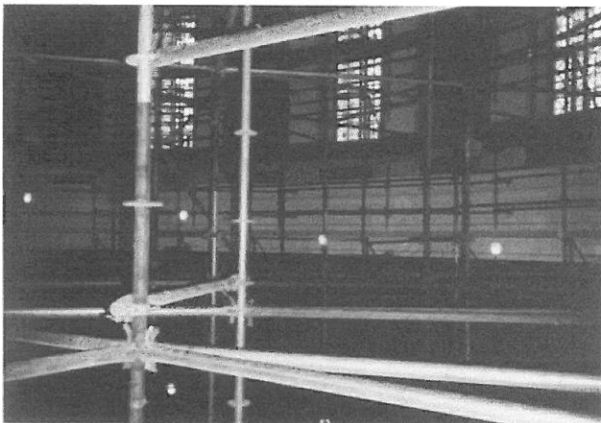


Photo during construction

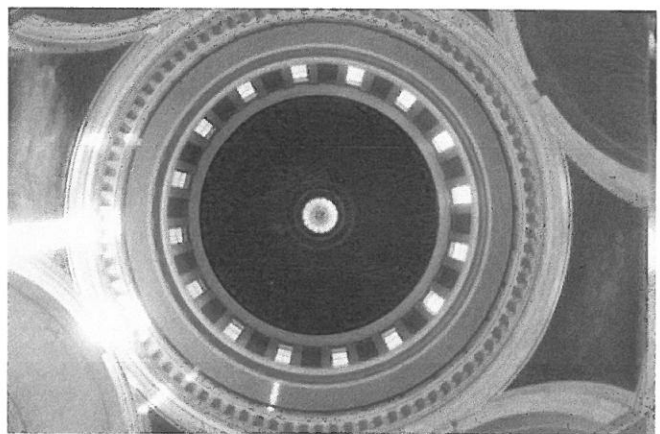


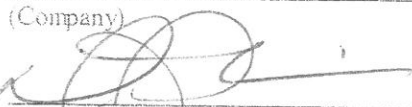
Photo of completed restoration

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

DLM DECISIONS LLC

(Company)


(Authorized Signature)

DAVID L. MORRIS ^{MANAGING} MEMBER

(Representative Name, Title)

304.741.1623

(Phone Number)

304.756.1209

(Fax Number)

07.21.2014

(Date)

Department of Administration
Various Maintenance Repairs

3. Project Organization

The **CAS Team** comprises a group of professionals from several firms that are uniquely qualified for these projects. The lead consultant is CAS Structural Engineering, Inc., located in Alum Creek, WV. The entire project will be managed from this location, in relative proximity to the Department of Administration. Please refer to the Organization Chart on the following page.



The WYK Associates, Inc. office is located in Clarksburg, WV and they routinely work on projects throughout the state and are available to travel to any of the project locations and to Charleston to meet with the Client.

WYK ASSOCIATES, INC.
ARCHITECTURE · PLANNING

Miller Engineering Inc. is located in Morgantown, WV and they work throughout West Virginia on a general basis. They also have current projects ongoing at the Capitol Complex and will be available to travel to any of the project locations when appropriate, during all phases of the project.



DLMDECISIONS LLC

DLM Decisions LLC, also residing in Alum Creek, WV, is available to make site visits to any of the project locations during all phases of the project as well.

The **CAS Team** has a combined experience on every project type listed in the Expression of Interest request and is ready to begin working on this important project to resolve the indicated issues in a professional, cost efficient, and timely manner.

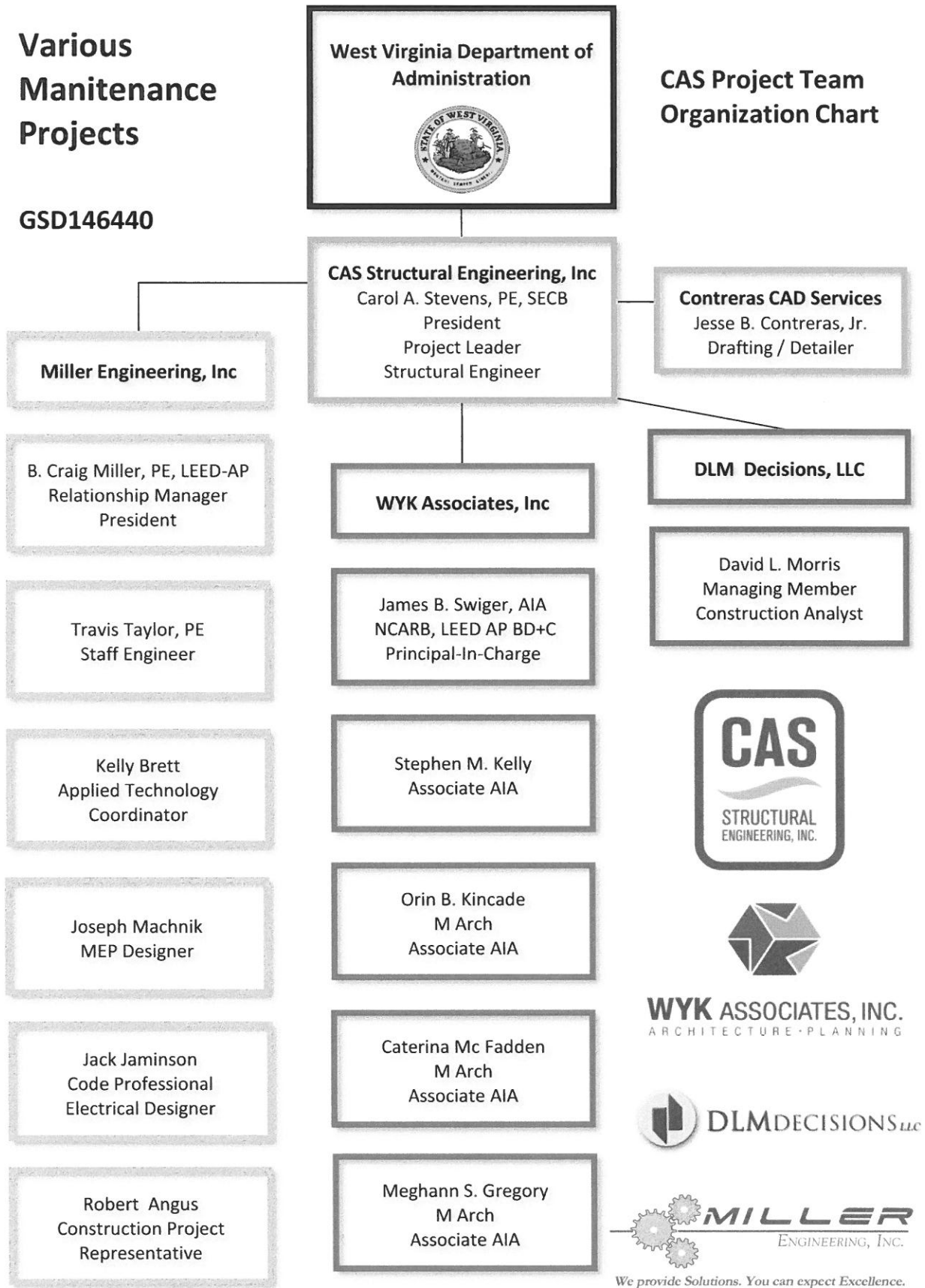
Various Manitenance Projects

GSD146440

West Virginia Department of
Administration



CAS Project Team Organization Chart



Carol A. Stevens, PE, F.ASCE

Structural Engineer



EDUCATION

West Virginia University, BSCE, 1984

Chi Epsilon National Civil Engineering Honorary

The Pennsylvania State University, ME Eng Sci, 1989

PROFESSIONAL REGISTRATION

P.E. 1990 Pennsylvania

P.E. 1991 West Virginia

P.E. 1994 Maryland

P.E. 2008 Ohio

P.E. 2010 Kentucky

P.E. 2013 Virginia

BACKGROUND SUMMARY

2001 – Present President, Structural Engineer
CAS Structural Engineering, Inc.

1999 – 2001 Structural Engineer
Clingenpeel/McBrayer & Assoc, Inc.

1996 – 1999 Transportation Department Manager
Structural Engineer
Chapman Technical Group, Inc.

1995 – 1996 Structural Engineer
Alpha Associates, Inc.

1988 – 1995 Structural Department Manager
Structural Engineer
NuTec Design Associates, Inc.

1982 – 1988 Engineer
AAI Corporation, Inc.

PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers

National Society of Professional Engineers

American Concrete Institute

American Institute of Steel Construction

West Virginia University Department of Civil and
Environmental Engineering Advisory Committee

West Virginia University Institute of Technology

Department of Civil Engineering Advisory Committee

EXPERIENCE

West Virginia, State Capitol Complex, Holly Grove

Mansion: Structural evaluation report for preliminary condition assessment of building structure. Building is on the National Register of Historic Places and was constructed in 1815.

West Virginia, State Capitol Complex, Main Capitol

Building Parapet: Exploratory investigation of limestone/brick parapet/balustrade of Main Capitol Building to determine cause of movement/cracking/ leaks. Construction contract for repairs has been completed. Building is on the National Register of Historic Places and was constructed in the 1920's and 1930's.

West Virginia, Job's Temple: Structural repairs to 1860's log structure. Building is on the National Register of Historic Places.

West Virginia, Collett House Structural Repairs:

Structural renovations of 1770's log and framed structure to stabilize foundation and make repairs to log wall and floor. Building is on the National Register of Historic Places.

West Virginia, First Presbyterian Church Restoration:

Structural renovations of steel in lantern level and terra cotta cornice, overview of repairs to limestone and terra cotta façade of 1920's structure.

West Virginia, Hawks Nest State Park Lodge: Repairs to spandrel beams at roof level and analysis and repairs of structural cracks in stairtower.

West Virginia, State Capitol Complex, Governor's

Mansion: Structural analysis and design in addition to evaluation report for modifications and renovations to several areas of mansion. Building is on the National Register of Historic Places and was constructed in the 1920's.

West Virginia, Twin Falls Resort State Park Addition:

Structural design for new addition to existing facility.

PO Box 469 • Alum Creek, WV 25003-0469 **PHONE** 304-756-2564 **FAX** 304-756-2565 **WEB** www.casstruceng.com

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WV VA KY OH MD PA

West Virginia, State Capitol Complex, Main Capitol Building Dome: Exploratory investigation of structural steel components of Lantern Level of dome and development of contract documents for repairs. Building is on the National Register of Historic Places and was constructed in the 1930's. Received a NYAIA Merit Award for Design Excellence.

West Virginia, Twin Falls Resort State Park: Structural evaluation of existing recreation building.

West Virginia, Pipestem Resort State Park: Structural evaluation of existing recreation building.

West Virginia, Historic Putnam-Houser House (Parkersburg): Designed system for stabilization and upgrades to floor framing of building that was constructed in the 1700's.

West Virginia, Upshur County Courthouse: Developed construction documents for structural repairs to main entrance, dome and monumental sandstone columns of 1899 structure. Work was recently completed and received a WVAIA Honor Award for Design Excellence.

Ohio, Mahoning County Courthouse: Completed preliminary structural observation report of exterior façade conditions to recommended phased repairs for terra cotta and granite façade. Building is on the National Register of Historic Places and was constructed in the early 1900's.

West Virginia, State Capitol Complex, Building 5: Structural design and analysis for support of new boilers and other mechanical equipment to be placed in mechanical penthouse.

West Virginia, State Capitol Complex, Building 7: Investigation and development of Construction Documents for new elevators.

West Virginia, State Capitol Complex, Building 3: Structural design and construction administration of repairs to limestone canopy. Building is eligible to be placed on National Register of Historic Places and was constructed in the 1950's.

West Virginia, State of West Virginia Office Building #21, Fairmont, WV: Preliminary structural observation report for condition assessment of building structure.

PREVIOUS EXPERIENCE

West Virginia, State Capitol Building, North Portico Steps: Designed structural system to replace deteriorated reinforced concrete slab at landing on north side of Capitol steps. Building is on the National Register of Historic Places and was constructed in the 1930's.

West Virginia, Beech Fork State Park Pool, Bathhouse and Cabins: Designed structure for new bathhouse, swimming pool and cabins.

West Virginia, Moncove Lake State Park Pool: Designed structure for new swimming pool.

West Virginia, Upshur County Courthouse Annex: Performed structural evaluation and design for repairs to existing multi-story Annex addition.

West Virginia, Farrell Law Building: Performed analysis of existing deteriorated structural sidewalk over parking area. Recommended repair solutions for reinforced concrete and aged terra cotta façade of 1920's building.

West Virginia, Canaan Valley Resort and Conference Center: Structural feasibility study to upgrade lodging units.

West Virginia, West Virginia University Masterplan: Investigated structural floor load capacity of several university buildings as a consultant to a large national architectural firm for masterplan.

West Virginia, Morgantown High School Additions: Designed steel framing and foundations for science classroom, cafeteria and gymnasium additions to existing education complex.

West Virginia, Grafton High School Addition: Designed steel framing and foundations for new science classroom addition to existing high school.

Pennsylvania, York County Government Center: Structural analysis and design of 1898 former department store converted to county government offices. Interior renovations included adding floor framing at mezzanine level, analyzing and redesigning deficient floor framing, and adding new elevators. Exterior renovations included complete façade rework to recreate original appearance.

Pennsylvania, Metropolitan Edison Company, Headquarters: Structural design for new 80,000 SF two-story office addition to existing complex.

Jesse B. Contreras, Jr.
Contreras CAD Services
810 Corner Square
Seabrook, Texas 77586
214-385-8237



Education

A.S., American Trades Institute, Dallas, TX, 1991, Engineering Technology
Collin County Community College, Plano, TX, 1989, Computer Science

Project Experience

State Park Project Experience

Twin Falls State Park; Lodge addition, lodge structural repairs.
Hawks Nest State Park; Lodge structural repairs.
Pipestem Resort State Park; Lodge structural repairs.
Beech Fork State Park; New bathhouse, pool and cabins.
Moncove Lake Swimming Pool; New pool and bathhouse.

Architectural Project Experience

WV DNR Building Renovation; Demolition and proposed architectural floor plan.
Beech Fork State Park; New one, two, three and four bedroom floor plans. Interior and exterior elevations.
Upshur County Courthouse Annex Building; Existing floor plans, added new rooms, structural modifications.
Bank One; Existing floor layouts, created drawings from scan images.
St. Albans Mall Storage Building; Renovation, New layout of interior space.
WV Capitol Complex; Capitol dome restoration, exterior facade restoration, parapet wall investigation and re-build.
First Presbyterian Church; Cupola structural repairs and exterior facade restoration.
United Dairy; Silo support structure, new loading dock, rooftop equipment frame repairs.
Blue Sulphur Springs Pavilion; Structural stabilization.
Holly Grove Mansion; Structural restoration.
Bass Pro Shops; Interior renovations.
William Sharpe Hospital; Structural detailing for HVAC renovation project.
West Virginia Veterans Memorial; Structural restoration of outdoor monument.
Wheeling Capitol Theatre; Structural detailing for parapet stabilization.
International Fiber Company; Addition structural detailing and drafting.
Bartlett House Additions; 3-story addition to existing facility detailing and drafting.
Pence Hotel; Partial demolitions of historic structure.
Job's Temple; Structural restoration of 1800's log structure.
Collett House; Structural stabilization of 1700's log structure.

School / University Project Experience

George Washington High School; New commons, 3-story classroom and gym additions structural drafting.
South Charleston High School; Gym addition structural detailing and drafting.
Sissonville High School; Gym addition structural detailing and drafting.
Herbert Hoover High School; Gym addition structural detailing and drafting.
Nitro High School; Gym addition structural detailing and drafting.
West Virginia University Woodburn Hall; Clock tower structural repairs.
West Virginia University Martin Hall; Cupola structural repairs.

Design Software

AutoCAD 2015, Microstation V, LDD R3, Civil 3D, AutoDesk Revit

Affiliations

WOKLUG Editor (West Virginia, Ohio, Kentucky Local Users Group for Intergraph/Microstation)
Carver Advisory Committee (Charleston, WV)
West Virginia State College Advisory Committee (Institute, WV)
West Virginia Institute of Technology Advisory Committee (Montgomery, WV)
Instructor for Kanawha County Schools (AutoCAD Instructor)



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

**James B. Swiger, AIA, NCARB,
LEED AP**

President & Principal-In-Charge



EMPLOYMENT SUMMARY

WYK Associates, Inc.	2005 - Present
Blackwood Associates, Inc.	2000 - 2005
Gegner Architects	1997 - 2000
WYK Associates, Inc.	1996 - 1997

EDUCATION

Bachelor of Architecture -1996
University of Tennessee
Knoxville, Tennessee

ARCHITECTURAL REGISTRATION

West Virginia	(Registration # 3640)
National Council of Architects	(Registration #58982)

PROFESSIONAL AFFILIATIONS

American Institute of Architects
AIA-West Virginia – Director 2010 – Board of Directors
U.S. Green Building Council Accredited Professional
National Council of Architectural Registration Boards
National Trust for Historic Preservation
National Fire Protection Agency (NFPA)
Builder's Supply Association of WV - Affiliate Member
WV Society for Healthcare Engineering - Associate Member

CIVIC AFFILIATIONS

United Way of Harrison County, Inc. – Board of Directors
Kiwanis Club of Clarksburg – 2008/2009 President
Clarksburg Elks Lodge
Salem International University Auxiliary
Salem Area Chamber of Commerce
West Virginia Kiwanis District – District 3 – Past Lieutenant Governor
Harrison County Chamber of Commerce - Education Committee
Salem Elementary School Nature/Fitness Trail – Project Manager

HONORS & AWARDS

2010-11 Cambridge Who's Who Honored Member
2009 WV Kiwanis District Governor's Award for "Promoting Membership Growth"
2008 Volunteer of the Year – Harrison County Chamber of Commerce
Selected "Generation Next: 40 Under 40" by the West Virginia State Journal in 2008
2008 Strathmore's Who's Who Worldwide Recipient
2008 Merit Award in Architecture from AIA-West Virginia for the
West Pike Street Parking Facility in Clarksburg, WV (Co-Design Architect)

Selected Projects

***Masterplan Expansion to
Broughton's Dairy Plant**
Marietta, OH

***Warehouse Renovation /
Expansion for Contractor's
Building Supply**
Marietta, OH

Bank of Gassaway
Flatwoods, WV

**West Pike Street
Parking Facility**
Clarksburg, WV

**Bridgeport Public
Safety Building**
Bridgeport, WV

***Stonewall Resort Lodge**
Roanoke, WV

***Braxton County
Multi-Tenant Building**
Flatwoods, WV

* Denotes prior experience



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Stephen M. Kelley, Associate AIA
Project Manager



EMPLOYMENT SUMMARY

WYK Associates, Inc.	2007 - Present
Blackwood Associates, Inc.	2002 - 2007
Kurtz Construction	1999 - 2001
Philadelphia University	1996 - 2000
Athletic Department	
Eagle Lodge	
Golf and Conference Center	

EDUCATION

Bachelor of Architecture - 2000
Philadelphia University
Philadelphia, Pennsylvania

PROFESSIONAL AFFILIATIONS

American Institute of Architects
AIA-West Virginia – Associate Member

CIVIC AFFILIATIONS

Salem Area Chamber of Commerce – Board of Directors
Leading Revitalization of Salem's Veteran Park
Harrison County Development Authority – Board of Directors
Fort New Salem Foundation – Board of Directors
VFW Post 9151- Trustee & Lifetime Member / Quartermaster
Salem-Doddridge County Kiwanis Club – Charter Member
Volunteer United Way of Harrison County, Inc.
"Stonewall Leadership" Contributor to the
United Way of Harrison County, Inc.

HONORS & AWARDS

Salem Area Chamber of Commerce 2006 Member of the Year
AIA-West Virginia Student Design Competition 1995 – Second Place
U.S Army Awards:
Army Achievement Medal
Reserve Component Achievement Medal
National Defense Service Medal
Global War of Terrorism Expeditionary Medal
Armed Forces Reserve Medal
Army Service Ribbon
Reserve Components Overseas Training Ribbon

Selected Projects

PCE, LLC (Total Dental)
Bridgeport, WV

Renovations to Gore Hotel
Clarksburg, WV

**Immaculate Conception
Church Parish Center**
Clarksburg, WV

**Solarium Addition
V.A. Medical Center**
Clarksburg, WV

***Pace-Tech**
Morgantown, WV

***Stepping Stones**
Morgantown, WV

***Braxton County
Multi-Tenant Building**
Flatwoods, WV

**Renovations to V.A.
Medical Center**
Clarksburg, WV

* Denotes Prior Experience



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Orin B. Kincade, Associate AIA
Architectural Intern



EMPLOYMENT SUMMARY

WYK Associates, Inc.	December 2011 – Present
JRS Architects, Inc.	August 2011 – December 2011
Fairmont State University	August 2010 – May 2011
Miami University	August 2007 – May 2009
WYK Associates, Inc.	May 2006 – May 2007

EDUCATION

Master of Architecture – 2010

Miami University
Oxford, OH

Bachelor of Science – Architecture – 2007

Fairmont State University
Fairmont, WV

PROFESSIONAL AFFILIATIONS

2014 – Harrison County Rotary Member
2012 – 2013 – Leadership Harrison Member
AIA–West Virginia – Associate Member – Since 2012

HONORS & AWARDS

2009 AIA Ohio Foundation Grant
2009 AIA West Virginia Scholarship for Merit Design Award
2007 AIA WV Jeffery Mayfield Scholarship Competition
2007 West Virginia Higher Education Grant
2005 AIA West Virginia Bachelors Design Merit Award

Selected Projects

West Union Bank
West Union, WV

UHC – Physical Therapy Suite
Clarksburg, WV

Dr. Demarco's Office Renovations
Bridgeport, WV

City of Shinnston Community Building
Shinnston, WV

Fellowship Bible Church
Bridgeport, WV

VA Pool Bathhouse
Clarksburg, WV

Mountaineer Military Museum Addition
Weston, WV

Antero Resource Corporation Offices
Willow Beach, WV

Notre Dame Lab Renovations
Clarksburg, WV



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Caterina McFadden, Associate AIA
Architectural Intern



EMPLOYMENT SUMMARY

WYK Associates, Inc.	2012 - Present
DEL Studio Architects, Inc.	2010 - 2012
New Renaissance Builders, LLC	2008 - 2010
SMG Architects, Inc.	2008
Geneva, Engineering & Public Works	2005 - 2007

EDUCATION

Master of Architecture – Architecture - 2010
Virginia Polytechnic Institute and State University, CAUS
Washington Alexandria Architecture Consortium

Bachelors of Arts – Architectural Design – 2007
Hobart and William Smith Colleges

Bachelors of Arts – Geosciences – 2007
Hobart and William Smith Colleges

PROFESSIONAL AFFILIATIONS

2014 Associate Member, American Institute of Architects
2014 Associate Member, AIA-West Virginia

CIVIC AFFILIATIONS

2014 Marion County - Chamber of Commerce
2014 Women's Network Member
2012 West Virginia University Solar Decathlon - Advisor
2006 Invited Speaker, National Fire Protection Agency

Selected Projects

**Facility Renovations to
TRICKETT Buick, Cadillac,
GMC
Clarksburg, WV**

**Dr. Adeyini's Office
Renovations
Bridgeport, WV**

**Doddridge Controls, Inc.
Renovations
Fairmont, WV**

**Community Care of WV
Renovations
Rock Cave, WV**

**Health Access
Renovations
Clarksburg, WV**

***Andrew's Air Force Base
Presidential Lodging
Annapolis, MD**

***SourceFire, Inc.
Tenant Expansion
Columbia, MD**

* denotes prior experience



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Meghann S. Gregory, Associate AIA
Architectural Intern



EMPLOYMENT SUMMARY

WYK Associates, Inc.	2014 - Present
The Thrasher Group, Inc.	2007 - 2014

EDUCATION

Master of Architecture – 2012
University of Tennessee, Knoxville, Tennessee

Bachelor of Science – Architecture– 2007
Fairmont State University

Associate of Science – Civil Engineering Technology– 2007
Fairmont State University

PROFESSIONAL AFFILIATIONS

2007 – Current Associate Member, American Institute of Architects

Associate Member, AIA-West Virginia
2007 – current
2014 – Livable Communities Volunteer

HONORS & AWARDS

2009 – University of Tennessee “Current” Magazine
Semester Design Project Published
2007 – AIA WV Jeffery Mayfield Scholarship Competition

Selected Projects

School Building Authority Expertise

* Specification Author and
Criteria Developer for first
Design-Build School
Construction in WV

*Doddridge County Schools

Bus Garage Schematic
Design

*Barbour County Schools

Vo-Tech & Annex Energy
Savings Contract Work,
NEEDS, 3%, & MIP
Submissions
Philippi, WV

*Preston County Schools

Vo-Ag Facility Addition &
Renovation, NEEDS, 3%, &
MIP Submissions
Kingwood, WV

*McDowell County Schools

NEEDS, 3%, & MIP Grant
Submissions & School
Proposals

* denotes prior experience



B. Craig Miller PE, LEED-AP

President • Principal Engineer

Expression of Interest: **GSD146440**
Design Services for Various Maintenance Projects

Founder of Miller Engineering in 2003, he serves as President and Principal Engineer; Craig has more than (20) years of experience in design, specification, and project management. During his employment with WVU, he was directly involved with approximately \$130 million in new capital construction. Craig has served as principal engineer on over \$75 million dollars in MEP projects.

Experience in a wide range of projects including HVAC, electrical, plumbing, infrastructure upgrades, building automation, energy efficiency, and maintenance/renovation among others, allow him to serve in multiple capacities within our complete assessment process. Engineered solutions that are constructable and designed with maintenance simplicity are guiding principles in all of the firm's projects.

PROFILE

President

- Principal Engineer in Responsible Charge and Project Manager
- Design of Mechanical, Electrical, Plumbing Projects
- Concept and Construction Design
- Business Operations and Financial Management Oversight
- Quality Assurance and Control

PROFESSIONAL PROJECT HIGHLIGHTS

- Greer Industries HVAC and Systems Upgrade
- Cheat Lake Elementary HVAC Upgrade
- Metropolitan Theater HVAC Upgrade
- Advanced Surgical Hospital HVAC Design
- MedExpress Renovation, Data, MEP Design/Upgrade
- WVU Chestnut Ridge Research Building HVAC Upgrade
- Hawk's Nest Lodge HVAC Upgrade

EMPLOYMENT HISTORY

2003- Present	Miller Engineering, Inc.	President and Principal Engineer
2002-2003	Casto Technical Services	Existing Building Services Staff Engineer
2001-2002	Uniontown Hospital	Assistant Director of Engineering
1995-2001	West Virginia University	Staff Engineer
1990-1995	BOPARC	Caretaker, Krepps Park
1983-1988	University of Charleston	Electrician/HVAC Mechanic

EDUCATION

1995	West Virginia University, BS-Mechanical Engineering
1988	University of Charleston, BA-Mass Communications

LICENSE/CERTIFICATION

- Professional Engineer (West Virginia, Pennsylvania, Maryland, and Ohio)
- Licensed Master Plumber and LEED-AP Certified

Kelly C. Brett

Applied Technology Coordinator

As a project coordinator, Kelly oversaw design coordination efforts on many general construction projects of varying scope and size. These projects have provided Kelly with experience in construction and the integration of multidiscipline construction projects. Kelly is an **Autodesk Revit Certified Associate** and is responsible for Miller Engineering's Building Information Modeling initiative. Kelly has extensive experience in providing design visualization services to enhance the communication between Architect/Engineer and the client. He provides General Trades, HVAC, Mechanical, Plumbing, and Electrical design services for Miller Engineering along with estimation, and construction administration services.

PROFILE

Coordination of General Trades, Mechanical, Electrical, and Plumbing Systems

- Design of General Trades, Mechanical, Electrical, and Plumbing Systems
- Design Visualization
- BIM Coordination
- Submittal Review
- RFI Review and Response

PROFESSIONAL HIGHLIGHTS

- 1,000,000 SF Primary/Secondary Renovation and New Construction
- 500,000 SF Higher Education Renovation and New Construction
- UHS Middle School Renovation - Project Manager
- Adjunct Professor of 2D/3D Autocad® and Solidworks®

EMPLOYMENT HISTORY

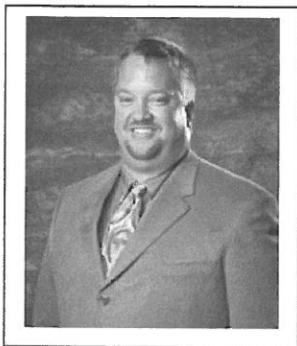
2013-Present	Miller Engineering, Inc.	Applied Technology Coordinator
2013-Present	Fairmont State University	Adjunct Professor
2007-2012	Alpha Associates, Inc.	CAD Coordinator/Project Manager
2002-2007	Alpha Associates, Inc.	Architectural Technician

EDUCATION

2002 Fairmont State University, BS – Architectural Engineering Technology

CERTIFICATION

- Autodesk Revit Certified Associate



Robert Angus

Construction Project Representative

Expertise in project management is at the forefront of Robert's abilities and during the past (10) years he has been directly involved with over \$30 million dollars of construction projects. Years of maintenance, operations, plumbing, and HVAC construction add valuable knowledge and experience to our complete assessment process.

Robert's hands-on experience enables him to interface with construction personnel seamlessly alongside engineers and architects. He is adept at preventing, mitigating, and resolving construction issues. He is involved at the site evaluation and estimation phase to enhance outcomes of collaboration for all stakeholders' interest and to help ensure constructable designs.

PROFILE

Construction Review, Estimation, and Building Information Modeling

- Construction Project Administration
- Site Evaluation, Mechanical System Review
- Submittal Review and Project Planning
- RFI, RFPCO Review and Response

PROFESSIONAL PROJECT HIGHLIGHTS

- Greer Industries – HVAC and Systems Upgrade
- 3RD Party Construction Observation – Canaan Valley Resort
- Cheat Lake Elementary HVAC Upgrade
- Suncrest Middle School Gym HVAC Upgrade
- North Elementary School Boiler/AC
- Mapletown Jr./Sr. High School HVAC/Boiler Upgrade
- WVU Research Building Office Renovation

EMPLOYMENT HISTORY

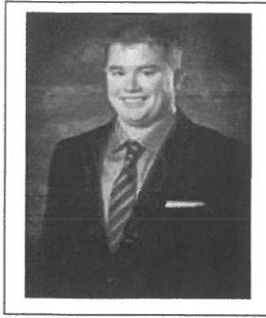
2009- Present	Miller Engineering, Inc.	Construction Project Representative
2000-Present	Angus Contracting, LLC	Owner/Project Manager
1991-2000	BOPARC	Director of Maintenance

EDUCATION

2000	Monongalia County Technical Education Center	Heating, Cooling, and Refrigeration Certification
1996	West Virginia University	Recreation and Parks Administration

LICENSE/CERTIFICATION

- Licensed WV General Contractor
- Licensed HVAC Contractor and Certified Mechanical Contractor
- Licensed Journeyman Electrician
- Licensed Master Plumber
- OSHA 10-Hour Construction Safety & Health



Travis Taylor, PE

Staff Engineer

Experience in project management facilitates Travis's ability to create and design constructable projects. Prior to joining the Miller Engineering team he was directly responsible for managing \$10 million in electrical construction budgets. His experiences encompass both new construction and renovation. Travis maintains professional competencies by attending seminars and continuing education classes.

As a staff engineer, he provides HVAC, Mechanical, Plumbing, and Electrical design solutions and services for our clients. Travis's hands-on electrical and HVAC construction experience enable him to provide engineered solutions with consideration of maintenance. In addition, he is part of our team's complete assessment process in both planning and MEP design through construction administration.

PROFILE

Engineer

- Design of Mechanical, Electrical, and Plumbing Systems
- Constructable Design and Materials Evaluation
- Site Evaluation and Mechanical System Review
- Submittal and RFP Review
- RFI Coordination, Review, and Response
- Construction Observation

PROFESSIONAL PROJECT HIGHLIGHTS

- WVU Football Stadium Scoreboard
- WVU Lot 81 Parking Improvements
- WVU Temperature Control Upgrades
- Holly River State Park Primary Electric Service Replacement
- Tygart Lake State Park Bath Beach House Renovations
- Pipestem State Park Switchgear and Piping Replacement
- North Elementary Gym HVAC Upgrade
- Suncrest Middle School Gym HVAC Upgrade

EMPLOYMENT HISTORY

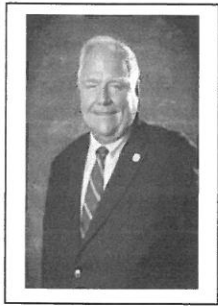
2011- Present	Miller Engineering, Inc.	Staff Engineer
2006-2011	Tri-County Electric, Co.	Project Manager

EDUCATION

2006 West Virginia University, BS – Mechanical Engineering

LICENSE/CERTIFICATION

- Professional Engineer - State of West Virginia
- OSHA 10-hour Course: Construction Safety & Health



Jack Jaminson

Code Professional

Jack brings (15) years as an electrical/building inspector and over (25) years of experience in the commercial electrical construction industry. Through his experience, he is familiar with many local and state code enforcement officials. His knowledge and experience are valuable resources to Miller's complete assessment process.

PROFILE

Design of Electrical Systems

- Facility Review, Code Research, and Project Evaluation
- Field Observations and Issue Resolutions

PROFESSIONAL HIGHLIGHTS

- Board Member of the WV Code Officials
- Founder and Secretary of the West Virginia Division of the International Association of Electrical Inspectors
- IAEI Ohio Chapter – Membership Chair

EMPLOYMENT HISTORY

2010- Present	Miller Engineering, Inc.	Code Professional
1999-2010	Megco Inspections	Chief Inspector
1972-1998	Jamison Electrical Construction	Electrician

EDUCATION

1971 Fairmont State College, BS-Engineering Technology-Electronics

LICENSE/CERTIFICATION

- Master Code Professional, IAEI Master Electrical Inspector, Class C Electrical Inspector – WV, PA, MD, & OH
- ICC Commercial Building, Building Plans, Commercial Plumbing, Residential Energy, and Accessibility Inspector/Examiner
- WV Master Electricians License
- NCPCCI-2B, 2C, 4B, 4C: Electrical & Mechanical General/Plan Review
- OSHA 30 Hour Course: General Industry
- NFPA Code Making Panel 14 – NEC 2014 Edition



Joseph Machnik

MEP Designer

Joe has experience with AutoCAD, MEP and Revit MEP. He provides design modeling, drafting, and supervised design services and construction support for Miller Engineering.

PROFILE

Design of Mechanical, Electrical, and Plumbing Systems

- CADD Coordination of New Construction and Renovation Designs

EMPLOYMENT HISTORY

2010 – Present Miller Engineering, Inc. MEP Designer

EDUCATION

2008 Penn State – Fayette, AS - Building Engineering Systems Technology: *Building Environmental Systems Technology*

2007 Penn State – Fayette, AS - Building Engineering Systems Technology: *Architectural Engineering Technology*

David L. Morris



DLMDECISIONS LLC

PO Box 104
Walton, West Virginia 25286
(304) 741-1623 cell
(304) 577-9381 landline
Email: dlm@dmlmdecisions.com

CAREER HISTORY:

2012 – Present	DLM Decisions LLC	Managing Member
2009 - 2010	Pray Construction Company	Project Manager
2007 – Present	Q2 Builders LLC	Member
1997 – Present	Quantum Construction Services, Inc.	President
1994 - 1997	Wiseman Construction Company	Vice President
1988 - 1994	Pray Construction Company	Chief Estimator / Project Manager / Estimator
1983 - 1988	State Farm and Prudential Insurance	Estimator in Property & Casualty Divisions

CAREER PROJECT LIST – PARTIAL:

Major Projects Constructed:

- Star USA Credit Union Branch Office – New Buildings – Beckley, WV and St. Albans, WV
- West Virginia State University, Erickson Alumni Center – New Building – Institute, WV
- West Virginia State University, Plaza – New Construction – Institute, WV
- Clay Junior High School – 3 Story Instructional Wing Addition – Clay, WV
- West Virginia Capitol Complex, Cultural Center, Great Hall – Renovation – Charleston, WV
- West Virginia Radio Corporation, Complete Exterior/Partial Interior Renovation – Charleston, WV
- Hatfield & McCoy Trailhead – New Building – Pineville, WV

Major Historical Projects Constructed:

- West Virginia Main Capitol Building, Interior Dome – Renovation – Charleston, WV
- West Virginia Main Capitol Building, West Wing Senate Offices – Renovation – Charleston, WV
- Marshall University, Old Main Building – Masonry Restoration – Huntington, WV

Major Projects Estimated (and received):

- NIOSH Building Addition – Morgantown, WV (approx. \$31,000,000.00)
- William R. Sharpe Hospital – Weston, WV (approx. \$28,000,000.00)
- Northern Regional Jail – Moundsville, WV (approx. \$11,000,000.00)

Major Projects Consulted:

- West Virginia Main Capitol Building, Exterior Dome – Probes – Charleston, WV
- West Virginia Main Capitol Building, Exterior Stone – Probes – Charleston, WV
- Twin Falls Resort State Park, Pool – Cost Analysis – Mullens, WV
- Hawks Nest State Park, Stair Tower – Cost Analysis – Ansted, WV
- Pipestem Resort State Park, Pool – Cost Analysis – Pipestem, WV
- Twin Falls Resort State Park, Beam Repair – Construction Administration – Mullens, WV

EDUCATION:

Fairmont State College; Fairmont, West Virginia 26554
Bachelor of Science Degree in Architectural Engineering Technology
(May 1983)

LICENSES:

WV General Contractors License - WV027639
WV Master Plumber - PL10981

4. Demonstrated Experience in Completing Projects of a Similar Size and Scope

The **CAS Team** firms have individually completed many projects similar in nature to the projects listed in the Expression of Interest request. Multiple projects are identified in the Firm/Team Qualifications section of this Expression of Interest. The following listed projects showcase the demonstrated experience of the team. The **Team** has worked on large projects as well as small projects and is ideally suited for this specific project.

Lewis County Courthouse Roof Repairs
Weston, WV
Lewis County Commission
110 Center Avenue, 2nd Floor
PO Box 466
Weston, WV 26452
(304) 269-8200

Project included evaluation of the existing roof structure and the roofing prior to making repairs to the roofing. Evaluation reports were prepared and reviewed by the Owner prior to preparing construction documents for repairs.

West Virginia Capitol Building Parapet Repairs
Charleston, WV
State of West Virginia, Department of Administration, General Services Division
1900 Kanawha Blvd E, Charleston, WV 25301
(304) 558-2317

Investigation of source of leaks and movement in parapet wall components, development of construction documents for repairs to parapets on the main building and wings. Components of the roofing, drains and scuppers were involved in the work. Final construction costs are not known and work was completed in phases by several contractors, ultimately finishing in 2004.

West Virginia Capitol Building Exterior Facade Repairs
Charleston, WV
State of West Virginia, Department of Administration, General Services Division
1900 Kanawha Blvd E, Charleston, WV 25301
(304) 558-2317

Investigation and evaluation of exterior facade components of the building to prepare construction documents for repairs to same. Final construction costs are not known and work was completed in phases in the late 2000's.

Cheat Lake Elementary School HVAC and System Upgrades
Cheat Lake, WV
Monongalia County Schools
210 High Street
Morgantown, WV 26505
(304) 276-0669

Design of new systems and revamping existing systems for school renovation/addition project. Total square footage affected was 17,000 SF with a total project budget of \$5.5M of which \$1.6M was MEP-related. Project was completed in 2011.

Hawks Nest State Park Lodge HVAC Upgrade
Ansted, WV
West Virginia Division of Natural Resources
324 Fourth Avenue
South Charleston, WV 25303
(304) 558-2764

Design of new replacement HVAC system for 28,500 SF lodge. Total project budget was \$1.3M with MEP budget of \$509K. Project was completed in 2012.

Smithville Elementary Additions and Renovations
Smithville, WV
Ritchie County Schools
134 South Penn Ave.
Harrisville, WV 26362
(304) 643-2991

Classroom additions, new main entrance, kitchen addition, renovations to existing classrooms and multipurpose room including evaluation of existing roof structure. Construction costs of \$3.5M and construction was completed in 2011.

Veteran's Memorial Renovations and Restoration
Charleston, WV
State of West Virginia, Department of Administration, General Services Division
1900 Kanawha Blvd E, Charleston, WV 25301
(304) 558-2317

Project includes evaluation of existing roofing and roof structure at pylons, evaluation of reflecting pool MEP systems, and repairs to the limestone components and precast concrete bridge structural elements. Project is currently under construction and is expected to be completed in late 2014.

References

Bradley Leslie, PE
West Virginia Department of Natural Resources
State Parks Section
324 4th Avenue
South Charleston, WV 25303
(304) 558-2764

Evaluations and repairs of structure, egress, and MEP components of Hawks Nest State Park Lodge, Twin Falls State Park Lodge and Recreation Building, and Pipestem State Park Lodge and Recreation Building.

Timothy Lee
Director, Plant Operations and Security
Thomas Memorial Hospital
4605 MacCorkle Avenue SW
South Charleston, WV 25309
(304) 766-3684

Multiple projects at Thomas Hospital included evaluations of floor systems for new equipment loads and precast and cast-in-place concrete repairs to the parking structure.

Robert Krause, AIA, PE
Director, Architectural and Engineering Services
Capitol Complex Building 1, Room MB-60
1900 Kanawha Boulevard E
Charleston, WV 25305
(304) 558-2317

Multiple projects at the Capitol Complex have involved restoration of major components of the Capitol Building, restoration at Holly Grove Mansion, Building 3 Canopy Repairs, renovations to the Governor's Mansion, additions or repairs of elevators in Buildings 1 and 22 (included expanding the penthouse) and renovations of the Veterans Memorial.

Tim Griglack
Director of All Operations
United Dairy, Inc.
PO Box 1247
47 West Craig Street
Uniontown, PA 15401

Multiple projects involving evaluation of existing structural components and repairs to existing structure for new silos and rooftop equipment.

William "Willie" Parker
County Administrator
Harrison County Commission
301 W. Main Street
Clarksburg, WV 26301
(304) 624-8500

Multiple projects in Upshur County (when Willie Parker was County Administrator) related to structural evaluation and repairs to existing annex building (construction was completed while the building was occupied) and historic evaluation and restoration to the original 1899 structure.