



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

General Information

Procurement Folder: 918464

SO Doc Code: CEOI

Procurement Type: Central Contract - Fixed Amt

SO Dept: 0310

Vendor ID: 000000160802 

SO Doc ID: DNR2200000001

Legal Name: PERFIDO WEISKOPF WAGSTAFF + GOETTEL LLC


Published Date: 8/26/21

Alias/DBA:

Close Date: 9/2/21

Total Bid: \$0.00

Close Time: 13:30

Response Date: 09/02/2021 

Status: Closed

Response Time: 12:34

Solicitation Description: A/E Services-Beech Fork & Coopers Rock New Cabins 

Responded By User ID: PWWG 

Total of Header Attachments: 1

Total of All Attachments: 1

First Name: Susan

Last Name: Englert

Email: senglert@pwwgarch.com

Phone: 412-391-2884



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

State of West Virginia
Solicitation Response

Proc Folder: 918464
Solicitation Description: A/E Services-Beech Fork & Coopers Rock New Cabins
Proc Type: Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2021-09-02 13:30	SR 0310 ESR09022100000001574	1

VENDOR
000000160802
PERFIDO WEISKOPF WAGSTAFF + GOETTEL LLC

Solicitation Number: CEOI 0310 DNR2200000001

Total Bid: 0 **Response Date:** 2021-09-02 **Response Time:** 12:34:45

Comments:

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X	FEIN#	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Civil engineering				0.00

Comm Code	Manufacturer	Specification	Model #
81101500			

Commodity Line Comments:

Extended Description:

Architectural/engineering services and contract administration for new cabins at Beech Fork State Park and Coopers Rock State Forest.



EXPRESSION OF INTEREST FOR A/E SERVICES FOR THE
**BEECH FORK & COOPERS
ROCK NEW CABINS**

Prepared for
STATE OF WEST VIRGINIA

SEPTEMBER 2, 2021

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI DNR22*01

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.

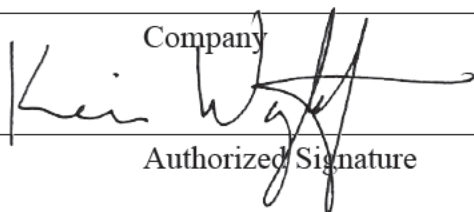
Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

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.

PWWG Architects
_____ Company
 _____ Authorized Signature
9/2/2021 _____ Date

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



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Key Personnel

Relevant Experience

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References

September 2, 2021

Mr. Joseph Hager, III
Dept of Administration
Purchasing Division
2019 Washington St. E
Charleston, WV 25305

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL

RE: CEOI 0310 DNR2200000001 – A/E Services – Beech Fork & Coopers Rock New Cabins

Dear Mr. Hager and Members of the Selection Committee,

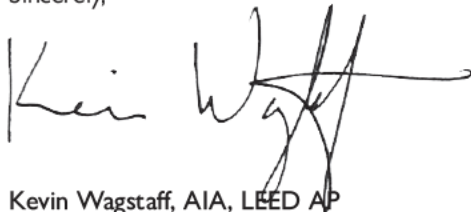
Thank you for your consideration of our team for architectural and engineering services for the new cabins at Beech Fork and Coopers Rock State Parks. We are confident the enclosed materials demonstrate that our team is exceptionally well qualified to provide the best overall value to the state of West Virginia. The following items underscore specific qualifications of our team:

- Our thorough, detail-oriented approach,
- Our team of sub-consultants that provide the specific mix of complementary skills required for your project and have a relationship of partnering on projects together to provide seamless collaboration.
- We are consensus builders. We are able to listen and distill goals across a wide range of stakeholder groups.
- Working with PWWG means clear, convivial communication—in in-person meetings, e-mail and phone exchanges, reports, and presentations; that we are accessible, responsive, and pro-active throughout the project.

We have experience working in West Virginia and locations that are some distance from our office. We have provided construction administration services on many of those projects, and we are fully prepared to provide timely responses and a frequency of site visits and project meetings that meet your expectations. To do so, we will plan our work and commit ourselves to the travel time needed. This is not new for us, especially as we continue our work with the state on the renovation to Building 4 at the Capitol Complex in Charleston.

In the following pages you will see evidence of the well-established firms and experienced individuals you will work with to make this project a reality. We encourage you to reach out to our references to discuss how we have provided a high level of service to them in the past and we welcome the opportunity for an interview to elaborate on our capabilities and discuss with you our ideas for the project.

Sincerely,



Kevin Wagstaff, AIA, LEED AP
Principal

| firm +
profiles

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL

about pwwg +

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL

PWWG practices architecture and planning in urban and campus environments. Forward-looking clients partner with us for excellence in design and detailing; our ability to develop their ideas into cost-effective, buildable projects; our meticulous, ethical approach to professional responsibilities; and the genuine connections and strong partnerships we nurture with clients and communities.

SUSTAINED GROWTH INTO OUR FIFTH DECADE

Since 1975, PWWG has served clients in the Ohio River Valley and beyond from our main office in downtown Pittsburgh. In 2016, our monumental revitalization of Cincinnati Music Hall and many other local commissions spurred establishing a second office in Cincinnati to serve and grow our client base in Ohio's tri-state area.

TURNKEY SERVICES TO PLAN AND EXECUTE YOUR PROJECTS

From day one, PWWG's practice has been interdisciplinary, blending the expertise of our team for: facilities and master planning, concept studies, code reviews, programming, forensic assessments, architectural and interior design, project management and construction administration, facilitating community engagement, support for sustainability goals (WELL, LEED, isUD, etc.) and support for marketing and fundraising.

OUR CLIENTS TRANSFORM URBAN, CAMPUS, AND HISTORIC ENVIRONMENTS

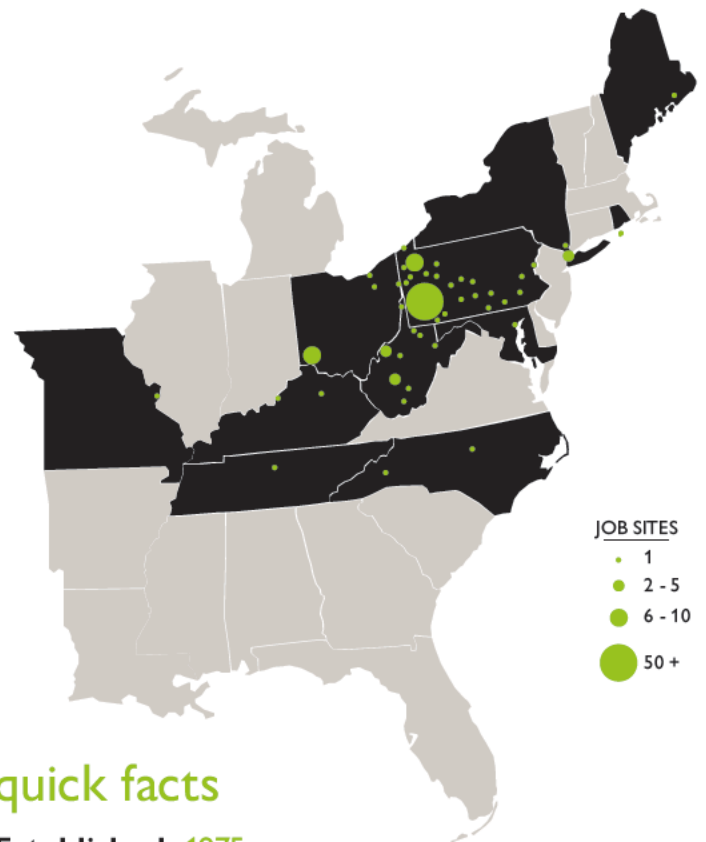
PWWG's portfolio is approximately 50% new construction and 50% renewal and reuse of existing buildings. The firm serves a variety of clients: cultural institutions, higher education, government, commercial businesses, and individuals. Project types include: adaptive reuse, historic preservation, multi-family housing, mixed-use commercial, campus buildings, performing arts, hospitality, civic buildings, and museums.

Our work in urban environments enhances connections between people and the places in which we live, work, and play; in campus environments, our designs integrate new and existing architecture where generations learn and grow; our work in historic contexts creates new value for original buildings to honor communities' history and culture.

PWWG'S VALUES DRIVE HOLISTIC DESIGN

We all have a stake in the work we design; and we approach each project, at every scale, as a collective, contextual, and values-driven exercise. PWWG finds creative solutions where context—physical, historic, cultural, and social conditions—create complex architectural challenges. Every project engages with the past, present, and future, so the buildings, spaces, and places we design with our clients enhance our shared environment. PWWG's holistic approach amounts to designs that respond to current needs, with durability and flexibility for change.

We are committed stewards of the natural and built environment, reflected in our approach to every project, at all scales—we plan and design for a sustainable, resilient future.



quick facts

Established: 1975

Total Employees: 22

Principals: 4

Registered Architects: 15

LEED Accredited Staff: 8

Administrative & Support: 4

Type of Business Ownership: LLC

Certified Small Business Entity in PA



MAIN OFFICE
PWWG Pittsburgh
408 Boulevard of the Allies
Pittsburgh, PA 15219



BRANCH OFFICE
PWWG Cincinnati
1432 Elm Street Unit 1A
Cincinnati, OH 45202



Firm Profile



Structural Engineering
for the Built Environment
304.414.4000

Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in South Charleston, West Virginia, Moment Engineers was founded by Douglas Richardson in early 2005.

During his 30 years of experience, Mr. Richardson has had sole responsibility for the structural engineering design of more than 7 million square feet of built space. The construction costs of these projects exceeded a half billion dollars. His experience, which ranges from small to very large multi-phase projects, is invaluable in providing the technical expertise and creative flexibility to deliver results in a prompt and reliable manner.

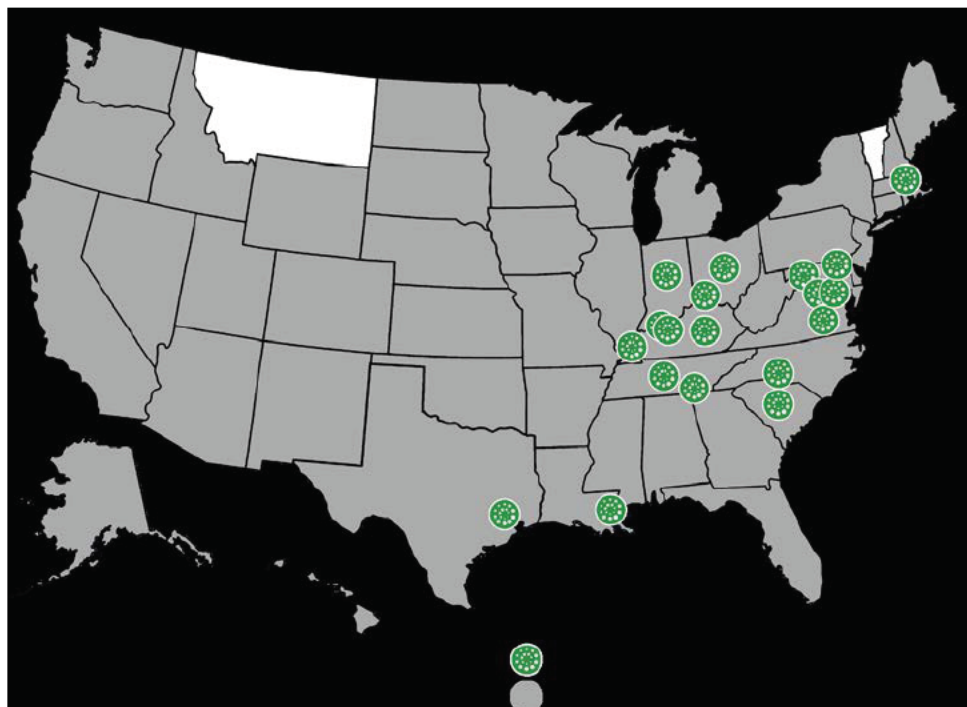
Our staff's experience encompasses a wide variety of building types and sectors, and our expertise includes design analysis for steel, concrete, masonry, and wooden structures.

About CMTA

CMTA is a multi-specialty firm that focuses on building systems engineering that ensures cost effective, energy efficient, high performance buildings. We are true partners who are vested in the long-term success of our buildings, which is measured by exceeding the expectations of building owners and managers, and maintaining the health and comfort of the occupants. In addition to engineering great building systems, at CMTA, we invent products, set national goals, and work to transform the market to improve results for everyone. We define our innovative approach to engineering as ... ***Building Science Leadership.***

Our consulting engineering expertise includes the following services:

- Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- Fire Protection Engineering
- Zero Energy and Renewable Engineering
- Communications and Audio Visual Design
- Technology Infrastructure Design
- Security System Design
- Energy Modeling
- Lighting Design
- Geothermal Engineering
- Construction Administration
- Commissioning Services
- LEED Consulting
- WELL Building Consulting and Certification
- Energy Star Certification
- Sustainability Consulting
- Performance Contracting
- Building Energy Management



1100 Sycamore Street, #400
Cincinnati, Ohio 45202
513.429.4404

By the Numbers

- 443+ Employees
- Licensed in 48 States, D.C., Puerto Rico, and Ontario, Canada
- 120 PEs
- 7 RCDDs
- 6 Certified GeoExchange Designers
- 18 Certified Energy Managers
- 23 Commissioning Agents
- 96 LEED APs
- 20 WELL APs

Rankings

CMTA is a top 25 MEP firm and top 20 Commissioning firm nationally as ranked by Consulting-Specifying Engineer magazine in 2020. The firm was listed in the ENR Top 500 for 2020 and named to the Zweig Group's 2020 Hot Firms List recognizing the fastest growing AE firms in North America.



CORPORATE SUMMARY

HISTORY

POTESTA was founded in 1997 as a full-service engineering and environmental consulting firm headquartered in Charleston, West Virginia. We have now expanded to a diverse staff of approximately 80 experienced engineers, scientists, and support personnel with branch offices in Morgantown, West Virginia, and Winchester, Virginia. Our clients include local, state, and federal agencies; mining, manufacturing and chemical companies; utility companies; waste management companies; K-12 schools/colleges/universities; land developers; attorneys; financial institutions; insurance companies; construction companies; and architects.



SERVICES

- Aquaculture
- Air Permitting
- Biological and Toxicological
- CADD/GIS
- Civil Engineering and Design
- Construction Monitoring
- Environmental Site Assessment
- Geotechnical Engineering
- Groundwater
- Hydrology and Hydraulics
- Landfills and Solid Waste
- Litigation Support
- Mining
- Occupational Safety and Health
- Oil and Natural Gas Consulting
- Permitting
- Remediation
- Roadway Engineering
- Sampling
- Site Design
- Storage Tanks
- Surveying and Mapping
- Water and Wastewater
- Water Quality
- Wetlands



LEADERSHIP

Our firm is managed by two principals driving POTESTA forward with their experience and emphasis on exceeding expectations. **Ronald R. Potesta, President**, has served as the Director and Deputy Director of West Virginia's Department of Natural Resources (WVDNR) which, during his tenure housed all the environmental regulatory programs, had an annual budget of \$23 million and 700 full-time employees. The agency at that time encompassed state environmental regulatory programs, wildlife management and law enforcement.



Dana L. Burns, P.E., Vice President, has more than 40 years' experience with civil, geotechnical, mining, and environmental engineering projects. Mr. Burns, P.S., P.E., has managed numerous multi-discipline projects, and understands the importance of client communication and the internal coordination of various disciplines on a project. Mr. Burns served as the Principal-in-Charge for the Virginia DGIF Buller Hatchery and AWCC Project. The public service and experience of our principals has provided POTESTA with personal relationships with many of the regulatory staff members and in-depth program knowledge of West Virginia and surrounding states regulatory programs. POTESTA

builds our contact base, stays informed on current issues, and strengthens relationships with the regulatory community by contributing and serving on various boards and commissions.

POTESTA's staff is committed to delivering innovative, cost-effective solutions to meet our client's complex requirements. The firm's environmental department consists of biologists, geologists, chemists, environmental scientists, and environmental engineers, many with advanced degrees (Masters and Ph.D. level). POTESTA's engineering department includes civil, geological, geotechnical, environmental, mining, and mechanical engineers.

POTESTA's large group of experienced professionals and support staff will allow us to assign adequate personnel to complete work activities and the project within WVDNR required schedule timeframe. POTESTA offers a large staff with the efficiency and rates normally associated with a small firm.

| key +
personnel

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL



pwwg project leadership



Kevin Wagstaff,
AIA, LEED AP
Principal
Role: Principal-In-Charge



Joseph Filar, RA, LEED AP
Senior Associate
Role: Project Manager



Jan Irvin, AIA, LEED AP
Senior Associate
Role: QC & Specs

We will provide additional in-house design and production staff to the project as needed based on schedule and phasing. We have capacity and experienced staff ready to go.

consultant teams

CIVIL ENGINEER Potesta

David B. Sharp, P.E.
Branch Manager, Senior Engineer

Timothy M. Rice, E.I.T.
Senior Engineer

STRUCTURAL ENGINEER Moment Engineers

Douglas R. Richardson, PE, LEED AP
Principal Engineer

MEP ENGINEER CMTA

Kyle Waymeyer, LEED AP BD+C, CEM
Principal-In-Charge, Lead Mechanical Engineer

Rob Reed
Lead Electrical Engineer

Izsak Rapp
Lead Plumbing Designer

Shane Benz, CTS
Technology Solutions Expert



kevin wagstaff +

aia, leed ap
PRINCIPAL

Kevin has been a principal with PWVG since 2004. He designs buildings for campuses and urban environments, exploring how architecture can express nuanced connections among structures, landscape, history, and community. Kevin works with our clients in commercial, academic, and non-profit sectors on designs for new construction and reuse. He helps them navigate pragmatic concerns, while applying current and emerging best practices in building technology, sustainability, and pedagogy to arrive at imaginative, inspiring results. Kevin is a creative problem solver and decisive leader who synthesizes disciplines and cultivates unified teams throughout the design process. He is also accomplished at sailing, and enjoys the challenges of distance hiking and biking.

RECENT PROJECT EXPERIENCE

National Center for Youth Science Education, Davis WV—Master plan, design, and cost estimates for 100 acre site for year-round STEM education for 150 boarding students from across the US, plus 50 staff and visiting scientists; designed for LEED Platinum Certification.

Cold River Camp Planning, Chatham, NH—Program and design concepts for the 100-year-old Conant Lodge at the heart of the Cold River Camp experience. Architectural concepts for kitchen expansion, renovations, code and sustainability updates, and new envelope. *Principal-In-Charge*

Private Pool Pavilion, Pittsburgh, PA—Design for a new pool ensemble for a residence in a dense urban neighborhood in Pittsburgh. Includes a pavilion, changing area, and 3-season outdoor grille. *Principal-in-Charge*

Cabin on a Pond, Eastbrook, ME—A three-season cabin, with accommodations for guests. The building's form is understated, keeping with the tradition of rustic cabins sited near scenic ponds. 1,400 sf. *Principal-in-Charge*

Cottage on a Pond, Tarentum, PA—A four-season weekend home on a secluded wooded property north of Pittsburgh, adjacent to a small pond in a clearing. The design acknowledges the details of site, climate, and setting, the logistics of the program, and the clients' agenda for gracious living in a rustic setting. 1,530 sf. *Principal-In-Charge*

Kopchick Hall Science Building, Indiana University of PA, Indiana, PA—New facility gives IUPUI a competitive STEM offering in Natural Sciences and Math; teaching and research labs, flexible classrooms, breakout collaboration spaces, and planetarium; LEED Silver goal. 181,000 sf. *Principal-In-Charge*

Garden Theater Block Apartments, Pittsburgh, PA—New five-story building anchoring a prominent corner in a historic neighborhood; 50 market rate apartments with parking nearby, and first floor commercial space. Includes renovation of two historic townhouses into nine apartments. 50,000 sf. *Principal-In-Charge*

Carr Hall Modernization, Allegheny College, Meadville, PA—Rehabilitation and transformation of a drab 1960s masonry building for flexible labs, classrooms and offices while building was occupied; envelope and roof upgrades; LEED Gold for Commercial Interiors. 20,000 sf. *Principal-In-Charge*

Campbell Hall Health Sciences Building, West Liberty University, West Liberty, WV—new building for multi-disciplinary STEM learning provides a home for all healthcare studies; teaching labs, classrooms, offices and "collision spaces." 71,000 sf. *Principal-In-Charge*

EDUCATION

Master of Architecture,
Princeton University, 1988

B.S. in Architecture,
University of Virginia, 1986

REGISTRATION

Architect in PA & WV

PROFESSIONAL

ASSOCIATIONS

American Institute of
Architects (AIA) Member

LEED Accredited Professional



jooseph filar +
ra, leed ap
SENIOR ASSOCIATE

EDUCATION

Bachelor of Architecture,
Pennsylvania State University,
1995

Sede di Roma Foreign Studies
Program, 1993

REGISTRATION

Architect in PA

PROFESSIONAL
ASSOCIATIONS

LEED Accredited Professional

National Historic Trust
Pittsburgh History &
Landmarks Foundation

Joe began his professional career working in New York City. He moved back to Pittsburgh in 1999, joined Perfido Weiskopf Architects as an intern architect, and became an associate of the firm in July 2003. Joe has a broad range of design and contract management experience and experience as a Project Manager on higher education, market rate and subsidized housing, corporate offices, and historic rehabilitation of landmarks buildings. Several of his projects have received awards from the Pittsburgh and Pennsylvania chapters of the AIA.

RECENT PROJECT EXPERIENCE

Kopchick Hall Science Building, Indiana University of PA, Indiana, PA — New facility gives IUP a competitive STEM offering in Natural Sciences and Math; teaching and research labs, flexible classrooms, breakout collaboration spaces, and planetarium; LEED Silver goal. 181,000 sf. *Project Architect*

Old Economy Village, Multiple Historic Renovation Projects, Ambridge, PA—A wide variety of improvements and preservation for site features and 20 structures at a national historic site; envelope, accessibility and finish upgrades, and new public amenities. *Project Manager*

Oglebay Hall Rehab & Transformation and Ming Hsieh Hall Addition, West Virginia University, Morgantown, WV —Salvage and transformation of a vacant historic classroom building for labs, classrooms and offices, and addition with tech intensive lecture halls; the ensemble supports interdisciplinary STEM learning; Oglebay masonry envelope and roof rehab, new pedestrian bridge, outdoor terrace, and rooftop parking at Ming Hsieh; both buildings are LEED Certified. Oglebay Hall Reuse— 50,000 sf; Ming Hsieh Hall Addition — 16,000 sf. *Project Architect*

Becht Hall Reuse for Student Success Center, Clarion University, Clarion, PA —historic dorm reimagined as a “modern” historic building, consolidating services for 15 departments; flexible office, conference and classroom spaces for future needs; envelope restoration; PASSHE open-end project. 53,000 sf. *Project Architect*

Comprehensive Roof Safety Assessments, Carnegie Mellon University, Pittsburgh, PA — Evaluation of 225 different roofs on 57 campus buildings for compliance with ICC and OSHA codes; findings report and recommendations for improvements. *Project Manager*

WV State Capitol Complex Building 3 Restoration and Reuse, Charleston, WV — Comprehensive masonry envelope and tile roof restoration and interior redesign of a historic building for contemporary office space, with flexible layouts, updated systems and AV/IT, new amenities and FF&E. 165,000 sf. *Project Manager*

Union Trust Building Transformation, Pittsburgh, PA — Comprehensive interior rehab and transformation of a historic 11-story shopping arcade in downtown for new Class-A office space, co-working space, ground floor commercial, and new underground parking; LEED Certifications—BD+C, Core and Shell-v3, O+M, Existing Buildings-v2. 517,000 sf. *Project Manager*

21c Museum Hotel Durham, Durham, NC — Rehab and transformation of the historic 17-story Hill Building in downtown for an innovative hybrid art museum and 125-room boutique hotel with galleries, a signature restaurant, and event spaces; earned Historic Tax Credit funding. 134,000 sf. *Project Manager*

Courtyard by Marriott Hotel, Pittsburgh, PA — Adaptive reuse of historic landmark building in the Cultural District for a 182-room hotel; earned Historic Tax Credit funding. 158,000 sf. *Project Manager*

key personnel +



jan irvin +
aia, leed ap
SENIOR ASSOCIATE

JOINED PWWG
2003

EDUCATION

Masters of Arts, Pittsburgh
Theological Seminary, 1996

Bachelor of Architecture,
Kent State University, 1980

REGISTRATION
Architect in PA

**PROFESSIONAL
ASSOCIATIONS**

American Institute of
Architects (AIA) Member

LEED Accredited Professional

Jan has 30+ years of experience as a successful planner, designer, and senior project manager for education and multi-family housing, renovations, and adaptive reuse. He has focused throughout his career on exploring the connections between design, constructability, and durability. Jan combines these interests, and his ongoing study of sustainable design and preservation, and emerging building technologies, to writing specifications for PWWG's multi-million dollar projects for academic, commercial, and non-profit clients. Jan enriches PWWG firm culture with workshops for staff and local architects on construction, and he develops and implements many of the firm's quality control initiatives.

RECENT PROJECT EXPERIENCE

National Center for Youth Science Education, Davis WV—Master plan, design, and cost estimates for 100 acre site for year-round STEM education for 150 boarding students from across the US, plus 50 staff and visiting scientists; designed for LEED Platinum Certification. *Project Manager / Graphic Design for Publication*

Cold River Camp Planning, Chatham, NH—Program and design concepts for the 100-year-old Conant Lodge at the heart of the Cold River Camp experience. Architectural concepts for kitchen expansion, renovations, code and sustainability updates, and new envelope. *Project Manager / Specifications*

WV State Capitol Complex Building 3 Restoration and Reuse, Charleston, WV—Comprehensive masonry envelope and tile roof restoration and interior redesign of a historic building for contemporary office space, with flexible layouts, updated systems and AV/IT, new amenities and FF&E. 165,000 sf. *Specifications / Project Support*

Buhl Library Feasibility Study and Modernization, Grove City College, Grove City, PA—Interior transformation of 3-story 1950's library for collaborative study, active learning, and spaces for socializing; vestibule addition and repairs to masonry envelope. 20,000 sf. *Specifications / Project Support*

Garden Theater Block Apartments, Pittsburgh, PA—New five-story building anchoring a prominent corner in a historic neighborhood; 50 market rate apartments with parking nearby, and first floor commercial space. Includes renovation of two historic townhouses into nine apartments. 50,000 sf.

New Granada Square Apartments and Commercial Space, Pittsburgh, PA—New five-story mixed-use building with 40 affordable apartments and street level commercial space; project anchors a new cultural corridor in a historic neighborhood; low income tax credit funding. 24,000 sf. LIHTC funding. *Specifications / Project Support*

Jeremiah Village at Glade Run, Zelienople, PA—New 44-unit inclusive, affordable housing development with one 3-story apartment building, eight single family homes, and community space. Seven units designed for individuals on the autism spectrum, supporting independent living; low income housing funding. 50,000 sf. *Specifications / Project Support*

21c Museum Hotel St. Louis, St. Louis, MO—Rehab and transformation of the 10-story historic YMCA building in downtown for an innovative hybrid art museum and 170-room boutique hotel with galleries, a signature restaurant, and event spaces; earned Historic Tax Credit funding. 163,500 sf. *Specifications / Project Support*

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL



david b. sharp

p.e.

BRANCH MANAGER / SENIOR ENGINEER

GEOTECHNICAL

Engineer responsible for performing subsurface investigations, preparation of geotechnical reports, coordinating laboratory analysis programs, providing recommendations for lateral earth pressures, bearing capacities, modulus of subgrade reactions, settlements, and construction specifications for multi-story structures. Foundations considered have included steel H-piles, auger-cast piles, drilled piers, spread footings, and mat foundations.

Responsible for the coordination of subsurface investigation, laboratory testing program, slope stability analysis, and preparation design documents associated with the repair of landslide at various site throughout West Virginia. Representative designs have included soldier beam and lagging retaining walls, gabion basket retaining walls, segmental block retaining walls, rock toe keys and buttresses, and drainage improvements.

Involved with the layout of the boring plan, staking borings in the field, preparation of the boring contract documents, soliciting bids, awarding drilling contracts, monitoring of drilling operations, coordination of laboratory testing programs, preparation of boring diagrams, and preparation of subsurface exploration report foundation recommendations and slope reviews for various West Virginia Department of Transportation Projects.

CIVIL/SITE DESIGN

Project Manager/Engineer on numerous projects involving most aspects of site development. Involvement has included civil/site design, geotechnical aspects, hydrology/hydraulics, permitting, erosion/sediment control/permitting, etc.

CONSTRUCTION MONITORING

Project Manager/Engineer involved with and/or responsible for construction observation/testing on numerous construction projects. These projects routinely involved earthwork testing utilizing a nuclear density gauge and other test methods during earthwork placement and compaction. Many projects also included concrete testing including slump, comprehensive strength, air entrainment and/or floor flatness testing.

Served as the Manager responsible for equipping and staffing a fully operational soils and concrete material testing laboratory to be used in support of construction observation projects. The laboratory became validated by the U.S. Army Corps of Engineers to perform approximately 45 ASTM test methods will under Mr. Sharp's direct supervision. Representative test methods included standard and modified proctors, Atterburg limits, grain size determination, aggregate sieve analysis, specific gravity, organic matter, lightweight particles, soil classification, compressive strength, and moisture content determinations. Establishment of the laboratory also included the preparation of a site-specific quality systems manual in accordance with ASTM guidelines.

SEWER LINES AND WWTPS

Project Manager/Engineer on numerous public utility projects, such as sanitary sewer collection/treatment, as well as combined sewer/storm water improvements:

WATER LINES, WATER STORAGE TANKS, AND WATER TREATMENT PLANTS

Project Manager/Engineer on numerous public utility projects involving potable water supply. In most of the projects, it not only included the technical design, but also included assistance with funding applications, preparation of technical specifications and construction documents, assistance with bidding documents, and construction observation/administration.

EDUCATION

M.S. Civil Engineering, 1995
West Virginia
University

B.S. Civil Engineering, 1995
West Virginia
University

PROFESSIONAL ENGINEER REGISTRATIONS

West Virginia, Virginia, Ohio

PROFESSIONAL ENGINEER CERTIFICATIONS

West Virginia, Pennsylvania,
Maryland, Ohio, and Kentucky

AREAS OF SPECIALIZATION

Involved with many aspects of civil engineering with a special interest in the geotechnical/environmental aspects. Responsibilities have included projects involving Civil/Site Design; Geotechnical Design, Solid Waste Management Facility Design, including geosynthetic applications; hydrologic and hydraulic design; transportation/highway projects, including geotechnical and right-of-way plans; and municipal water and wastewater projects.



timothy m. rice

e.i.t.

SENIOR ENGINEER

Project Manager/Senior Engineer with experience on numerous civil/site design projects involving various aspects of site development, permitting, and design of residential, commercial, and public development projects.

PROFESSIONAL EXPERIENCE

Paradigm Architects – Project Manager for civil/site portion of the University Place Parking Garage project at West Virginia University, Morgantown, West Virginia. Project includes geotechnical investigations, surveying, permitting, construction specifications, design drawings, city planning and zoning, project coordination, and construction observation.

American Campus Communities – Project Manager for civil/site portion of Sunnyside Commons Student Housing project at West Virginia University, Morgantown, West Virginia. Project includes geotechnical investigations, surveying, permitting, construction specifications, design drawings, city planning and zoning, project coordination, and construction observation.

Mills Group – Project Manager for civil site design project at Davis and Elkins College in Elkins, West Virginia for the site development and permitting associated with a proposed amphitheater on campus.

Glenmark Corporation – Project Manager for the Greenbag Road project that included, surveying, mapping, geotechnical investigations and recommendations, Phase 1 Environmental Site Assessment, permitting, civil site design and storm water management.

Town of Granville – Project Manager for various engineering projects including surveying, street repaving, stormwater system evaluation, camera surveys, traffic studies, landslide repairs and mapping projects.

Harrison County Planning Commission – Project Manager responsible for the coordination and design of Phases 1 – 3 of the Rail Trail project in Harrison County, West Virginia. Project included engineering design, modeling, permitting, and construction observation services.

Camp Dawson – Quality Control Manager during the construction phase of the Student Training Facility at Camp Dawson, Kingwood, West Virginia. The project included all quality control and construction monitoring for the six-building facility along the airstrip at Camp Dawson.

University Place, LLC – Project Manager responsible for construction monitoring and testing on the University Avenue Parking Garage at West Virginia University, Morgantown, West Virginia. Construction monitoring included the coordination, scheduling, and reporting of the concrete, soils, and fireproofing testing on site.

American Campus Communities – Project Manager responsible for the coordination, scheduling, and reporting of the construction monitoring and testing on the Sunnyside Commons Student Housing project at West Virginia University, Morgantown, West Virginia. Construction monitoring included concrete, mortar, soil compaction, and dynamic cone penetrometer testing.

EDUCATION

B.S. Civil Engineering, 1982
West Virginia University

PROFESSIONAL ENGINEER REGISTRATIONS

West Virginia, Virginia

TRAINING/RELEVANT COURSE WORK

Natural Stream Channel
Design Levels I-IV

AREAS OF SPECIALIZATION

Diversified experience with civil, environmental, surveying, and geotechnical engineering projects for public, state, and private clients with an emphasis on project management and coordination of engineering services and environmental services, to include: permitting and compliance, hydraulic and hydrological analysis, slope stability analysis, geotechnical design, Phase I Environmental Site Assessments, stormwater management, municipal water and sewer design, civil site design, water resources analysis/design, natural gas production well pads and roads, and construction monitoring/observation.



douglas r. richardson

pe, leed ap
PRINCIPAL ENGINEER

RECENT PROJECT EXPERIENCE

WVU Parkersburg Child Development Center

WVU Parkersburg Applied Technology Center

WVU Tech Engineering Lab Building Fnds

West Liberty University Health Sciences Bldg

WVDNR Hatchery & Mussel Rearing Bldg

Kappa Alpha Fraternity House, WVU

Mountaineer Challenge Academy

Glen Jean - AFRC

Elkins - AFRC

Lewis County Judicial Annex

Robert C. Byrd Regional Training Institute

Advantage Valley Advance Technology Center

Summit Bechtel Reserve Bathhouses (358 units)

Logan State Office Building

Greenbrier East H.S. Renovations & Additions

Lincoln Co. High School

Wayne Co. Spring Valley High School

Cabell West Elementary School

Judge Donald F. Black Courthouse Annex

WV Hospital Association Office Building

Cacapon State Park Addition

Alderson Federal Prison Dormitory

Western Juvenile Detention Center

NGK-NTK Production Facility

EDUCATION

North Carolina State University, Masters of Science in Civil Engineering, Major in Structures Minor in Construction, 1989

West Virginia University, Bachelor of Science in Civil Engineering, 1987

REGISTRATION

West Virginia, [REDACTED]

Virginia, [REDACTED]

Kentucky, [REDACTED]

Florida, [REDACTED]

Ohio, [REDACTED]

PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers

American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

Engineers Without Borders-USA



Kyle Waymeyer LEED LEED AP BD+C, CEM

ROLE: Principal in Charge/Lead Mechanical Engineer

Profile

Mr. Waymeyer joined CMTA in 2019. He has over 12 years of experience designing energy efficient HVAC and controls systems for all types of facilities in the municipal, higher education and K-12 facilities markets. He understands the needs of educators and students alike and designs systems with the stakeholders in mind.

Role

As Principal in Charge, Mr. Waymeyer will coordinate with the design team to meet the expectations of the project. He will ensure that energy efficient design principles are incorporated into the MEP systems. As Lead Mechanical Engineer, he will be responsible for the design of the mechanical systems for this project. He will coordinate with the Design Team to meet the expectations of this project. He will be responsible for the production of plans and specifications for the mechanical systems to ensure the design developed by the team will be executed properly.

Education

Bachelor of Science, Mechanical Engineering

University of Cincinnati - 2008

Registrations and Certifications

- LEED AP BD+C (Leadership in Energy and Environmental Design) Accredited Professional
- Certified Energy Manager through AEE

Professional Activities

- Ignite Institute Curriculum Development Committee Member
- SMPS – Society of Marketing Professional Services Cincinnati Chapter
- Fort Thomas Schools – Leader in Me Partner
- Brighton Center - Friends of Recovery Community

Related Projects

Cincinnati Nature Center

Milford, Ohio

MEP Assessments

Groesbeck Estate Renovation*

Krippendorf Lodge Assessment*

Camp Joy

Clarksville, Ohio

Bungalow Renovations

Environmental Education Center

Solar PPA

Miami University Equestrian Center

Oxford, Ohio

Cold Springs Community Center

Cold Springs, Kentucky

ICON Music Center at the Banks

Cincinnati, Ohio

Hampton Inn Hyde Park

Cincinnati, Ohio

University Football Locker Room Renovation

Cincinnati, Ohio

Mount Notre Dame Theater Expansion

Cincinnati, Ohio

West Liberty Aquatics Research Center

West Liberty, West Virginia

Campbell County Library MEP Community Space Renovations

Newport, Kentucky*

*with prior firm



Rob Reed

Electrical Engineer

ROLE: Lead Electrical Designer

Profile

Rob Reed joined CMTA in 2016 bringing over 20 years of electrical systems design and project management experience in various markets, including cultural arts and entertainment, health care, K-12, higher education, commercial office buildings, government, recreational facilities, and utility mapping. These projects include new construction, assessments, and renovations located in Ohio, Indiana, Kentucky and Oklahoma. Several of the facilities have LEED accreditation.

Mr. Reed has a broad knowledge of building systems that includes power distribution, lighting, site design, architectural lighting, lighting control, fire alarm, voice and data, emergency power generators, UPS, lightning protection, grounding, security, CCTV and elevator control interface.

Role

As Lead Electrical Designer, Mr. Reed will coordinate all electrical design requirements with the design team and end-user personnel to ensure all systems meet the standards and requirements of the specific facility. He also has experience with the construction process, client interactions and presenting electrical and design options.

Education

Associate of Science, Architectural Design
Vincennes University

Professional Activities

- TSHE (Tristate Society of Healthcare Engineers)
- sUAS Remote Drone License

Related Projects

Camp Joy Bungalow Renovations
Clarksville, Ohio

Cincinnati Nature Center
Milford, Ohio
MEP Assessments

Girl Scout Camp Renovations
Cincinnati, Ohio

West Liberty University Science Building Renovations
West Liberty, West Virginia

Bowling Green State University
Bowling Green, Ohio
Ice Rink Renovation
Master Plan

Cincinnati Art Museum
Cincinnati, Ohio
Hanna Gallery
Schmidlapp & Schiff Galleries

Cincinnatian Hotel Renovations
Cincinnati, Ohio

Imperial Historic Theater Study
Cincinnati, Ohio

ICON Music Center at the Banks
Cincinnati, Ohio

Fortress Obetz Lacrosse Stadium Renovation
Obetz, Ohio

Courtyard by Marriott, Ingalls Building Renovation
Cincinnati, Ohio



Izsak Rapp

ROLE: Lead Plumbing Designer

Profile

Mr. Rapp joined CMTA in early 2019 bringing nearly a decade of experience in mechanical design. His experience includes systems assessments and designs for sanitary, grease waste, combination waste and vent, vacuum waste, storm, vent, domestic cold and hot water, domestic, natural gas, liquid propane, compressed air, and various filtered water systems. He has also written plumbing and fire protection specifications for these systems which also involved the sizing and selection of equipment such as water heaters, ejector pumps, booster pumps, and grease interceptors.

His expertise includes work for education, retail, health care, hospitality, and commercial projects throughout all 50 states. He has coordinated projects and schedules with clients, is well versed in field work such as attending onsite meetings, field surveys, and fielding phone calls from clients, owners, and contractors.

Role

As the Lead Plumbing Designer Mr. Rapp will be responsible for the design of the plumbing systems for this project. He will coordinate with the Design Team to meet the expectations of this project. He will be responsible for the production of plans and specifications for the plumbing systems to ensure the design developed by the team will be executed properly.

Education

Aerospace Engineering Studies

University of Cincinnati

Professional Activities

- SFPE (Society of Fire Protection Engineers)
- ASPE (American Society of Plumbing Engineers)

Related Projects

University of Dayton Center for the Arts
Dayton, Ohio

CHI Living Communities
Denver, Colorado

Gardens of St. Elizabeth Retirement Community

Hampton Inn Hyde Park
Cincinnati, Ohio

Cincinnati Art Museum
Cincinnati, Ohio

Hanna Gallery

Schmidlapp & Schiff Galleries

Contemporary Arts Center Renovations
Cincinnati, Ohio

Miami University, Equestrian Center
Oxford, Ohio

Northern Kentucky University
Highland Heights, Kentucky

Terrace Dorm Renovation*

Mayerson Recreation Center Expansion
Cincinnati, Ohio

PANNCO Building Assessment at Cincinnati International Airport
Hebron, Kentucky

**with prior firm*



Shane Benz CTS

ROLE: Technology Solutions Expert

Profile

Mr. Benz is part of the firm's technology and security design team. He has been working in the technology sector for over 20 years and has been consulting on technology design for over 10 years. Mr. Benz's primary focus is the needs of the client to provide them with as simple and effective a technology installation as their needs require. With his practical experience and up to date knowledge of the latest technology trends, he will provide the best solutions available.

Mr. Benz has worked on Higher education projects including classrooms, labs, large corporate training and conference centers, emergency operation centers, hospitals, and performing arts centers.

Role

As a Certified Technology Specialist, Mr. Benz will ensure that state-of-the art technology is included in the design of this project. Mr. Benz has extensive experience leading and designing technology projects.

Education

Associate of Electrical Engineering, Electrical Engineering Technology

Cincinnati State University - 2003

Registrations

- Certified Technology Specialist #445078

Related Projects

Cincinnati Nature Center

Milford, Ohio

Groesbeck Estate Renovation*

Krippendorf Lodge Assessment*

University of Dayton, Center for the Arts

Dayton, Ohio

ICON Music Center at the Banks

Cincinnati, Ohio

Mount St. Joseph University, Music Room Renovation

Cincinnati, Ohio

Shelby County Schools, Martha Lane Collins High School Theatre

Shelbyville, Kentucky

Cincinnati Art Museum Renovation

Cincinnati, Ohio

University of Louisville, Student Activity Center

Louisville, Kentucky

Eastern Kentucky University, Wellness & Recreation Center

Richmond, Kentucky

Cleveland Museum of Natural History*

Cleveland, Ohio

Nationwide Children's Hospital Auditorium Renovation*

Columbus, Ohio

Northern Kentucky Convention Center*

Covington, Kentucky

*with prior firm

| relevant +
experience

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL

relevant experience +



Cottage on a Pond

WHAT DIFFERENTIATES PWWG'S PORTFOLIO OF SOPHISTICATED-YET-RUSTIC ACCOMMODATIONS

While PWWG does not specialize in architecture for parks, we have a strong portfolio of commissions for sophisticated-yet-rustic accommodations and outdoor amenities for private clients and non-profit institutions. Several have won awards from the American Institute of Architects for design and planning. The selection presented in this submission shows the care and principles that infuse all of PWWG's work—what we will bring to design of the cabins at Beech Fork and Coopers Rock State Parks:

- Design acknowledges details of site, climate, and setting, logistics of the program, and the clients' unique agenda for gracious living and relaxing.
- PWWG's work is unified not by anything outward – such as a favorite material or a repeated motif – but by a desire to create artfully balanced and poetically composed settings for living. Architectural form is inspired by vernacular architecture of the region.
- Our projects incorporate sustainable principles, whether or not LEED Certification is sought, inspiring connection to nature. As a result, they are energy efficient, with good performance in day-to-day operation.
- Materials are selected for durability and to display natural finishes. We specify for low-maintenance, from local/regional sources, with low/no VOCs and maximum recycled content.
- Our designs reflect a timeless way of building, responsive to sun and wind, leveraging natural ventilation and daylight, and connecting inhabitants to nature.
- Our work is informed by previous planning, leveraging the time and effort invested by your team.
- We design with context, coordinating skillfully with existing structures, reflecting their architectural merit and integrity in new construction.

relevant experience +

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WAGSTAFF +
GOETTEL



Rendering of cabins for students and staff

master plan with housing concepts / national center for youth science education : davis, wv cabins & guest lodge are inspired by vernacular “rustic” architecture

Near the Blackwater River, on 100 acres in the forested Canaan Valley of West Virginia, the Center was designed for up to 150 students plus 50 staff members, visiting scientists, and guests as the permanent home for the National Youth Science Camp's renowned immersive STEM programs. PWWG's master plan would allow the NYSF to offer youth science programs throughout the year. Design concepts were developed for all buildings, and sustainable design strategies were incorporated with a goal of achieving a LEED Platinum rating.

CLIENT: National Youth Science Foundation, Charleston, WV

SIZE:

21 academic, administrative, dining, recreation, maintenance, and accommodations including:

- 6 cabins for 150 students and support staff
- 2 cabins for 24 short term staff members
- 25 room, two story Guest Lodge

COST: \$22.5M (est., all buildings)

COMPLETION:

2010 (master plan);
fundraising is ongoing

FIRM RESPONSIBILITY:

Master Planning
Programming
Architectural Design

★ Design Award Winner



Site Plan with clustered cabins & lodge highlighted



CLUSTERS OF CABINS WITH PORCHES & CONNECTING PATHS ARE DESIGNED FOR FLEXIBLE USE

- Cabins and the lodge for students, guests and program staff are conceived as a neighborhood clustered & integrated among the science facilities.
- Connecting walks and porches encourage occupants to be outdoors, with the community and nature.
- Fronts face communal areas for informal gatherings; backs look into the forest.
- Student cabins have flexibility to handle smaller groups.
- Separate Toilet/Shower rooms enable opposite sex cabin use.



Student Cabin Plan

Max. capacity: 30

- 1 Covered Porch
- 2 Entry/Hall
- 3 Sleeping (15 each)
- 4 Meeting
- 5 Toilet/Showers
- 6 Luggage Storage

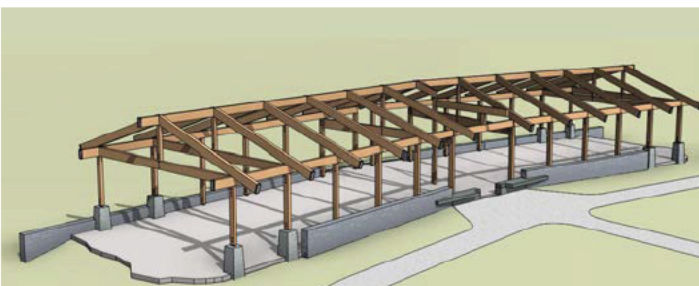
STRUCTURE, MATERIALS & SYSTEMS FOR ALL CAMP BUILDINGS ARE DURABLE, BIOPHILIC, & SUSTAINABLE

Materials for all buildings are selected for durability and to display natural finishes. Primary palette includes: exposed wood structure, interior natural wood ceilings, wood siding, painted metal windows, standing seam metal roofs and integral color concrete floors.

Materials are selected to be durable and display natural finishes. Electric radiant in-floor slab heating systems provide clean, quiet, energy efficient thermal comfort—does not interfere with furniture or equipment placement, experiments; no acoustic interference with people and ambient sounds of nature. The buildings can be easily programmed for lower temperatures when unoccupied.



Structure (typical)



Exposed glue laminated timber posts and beams support roof and walls. This construction is typical for most of the NCYSE buildings

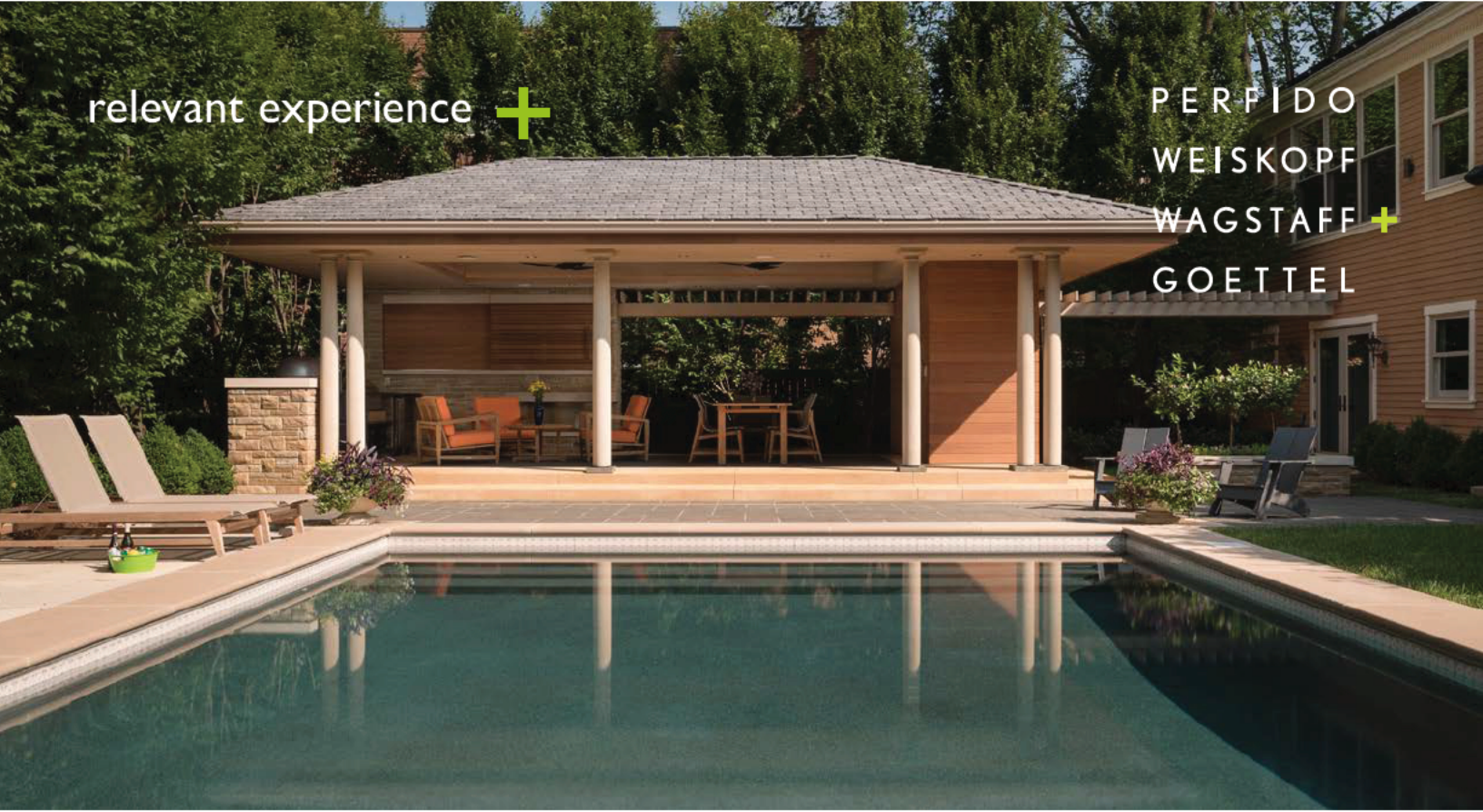
Exterior Envelope (typical)



Highly insulated, low-slope metal roofs (R55) hold snow providing extra insulation. Structural insulated panel walls (SIPs -R40) have natural finished wood siding.

relevant experience +

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WAGSTAFF +
GOETTEL



pool pavilion for private client : pittsburgh, pa

a durable, sophisticated-yet-rustic setting for recreation & gathering

While PWWG does not specialize in rustic accommodations, we have designed outdoor amenities for several private residences, townhouses, and apartments. Our developer client for the project shown here commissioned PWWG to design a new pool ensemble for their residence in a dense urban neighborhood in Pittsburgh, including a pavilion, changing area, and 3-season outdoor grille. As with all of our projects, this design acknowledges the details of site, climate, and setting, the logistics of the program, and the clients' agenda for gracious entertaining and relaxing in a natural setting. PWWG's work is unified not by anything outward – such as a favorite material or a repeated motif – but by a desire to create artfully balanced and poetically composed settings for life.

FIRM RESPONSIBILITY:

- Programming
- Architectural Design
- Contract Documents
- Interiors and FF&E
- Coordinating the work of all consultants
- Contract Administration



Pavilion has fireplace and full kitchen with grill



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Site Plan

cottage on a pond : tarentum, pa

design with site, climate, & context creates a setting for gracious rustic living

The cottage is a four-season weekend home on a secluded wooded property north of Pittsburgh, adjacent to a small pond in a clearing. The building nestles into the woods on a gentle slope with a pleasing view of the pond, and dramatic vistas of hills to the east. A single large living space opens onto a broad porch overlooking the pond. A sun room captures natural light throughout the day. Materials for all buildings are selected for durability and to display natural finishes. Primary palette includes: exposed wood structure, interior natural wood ceilings and floors, stone, wood siding, and standing seam metal roofs. As with all of our projects, this design acknowledges the details of site, climate, and setting, the logistics of the program, and the clients' agenda for gracious living in a rustic setting.

CLIENT: Withheld

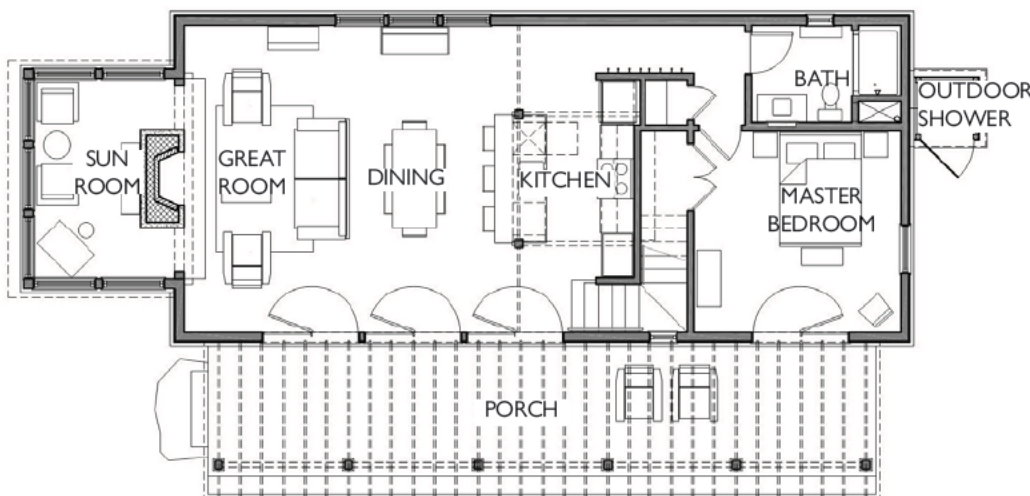
SIZE: 1,530 sf

COST: Withheld

COMPLETION: 2010

FIRM RESPONSIBILITY:

Programming
Architectural Design
Contract Documents
Contract Administration



First Floor Plan



Detail at Porch



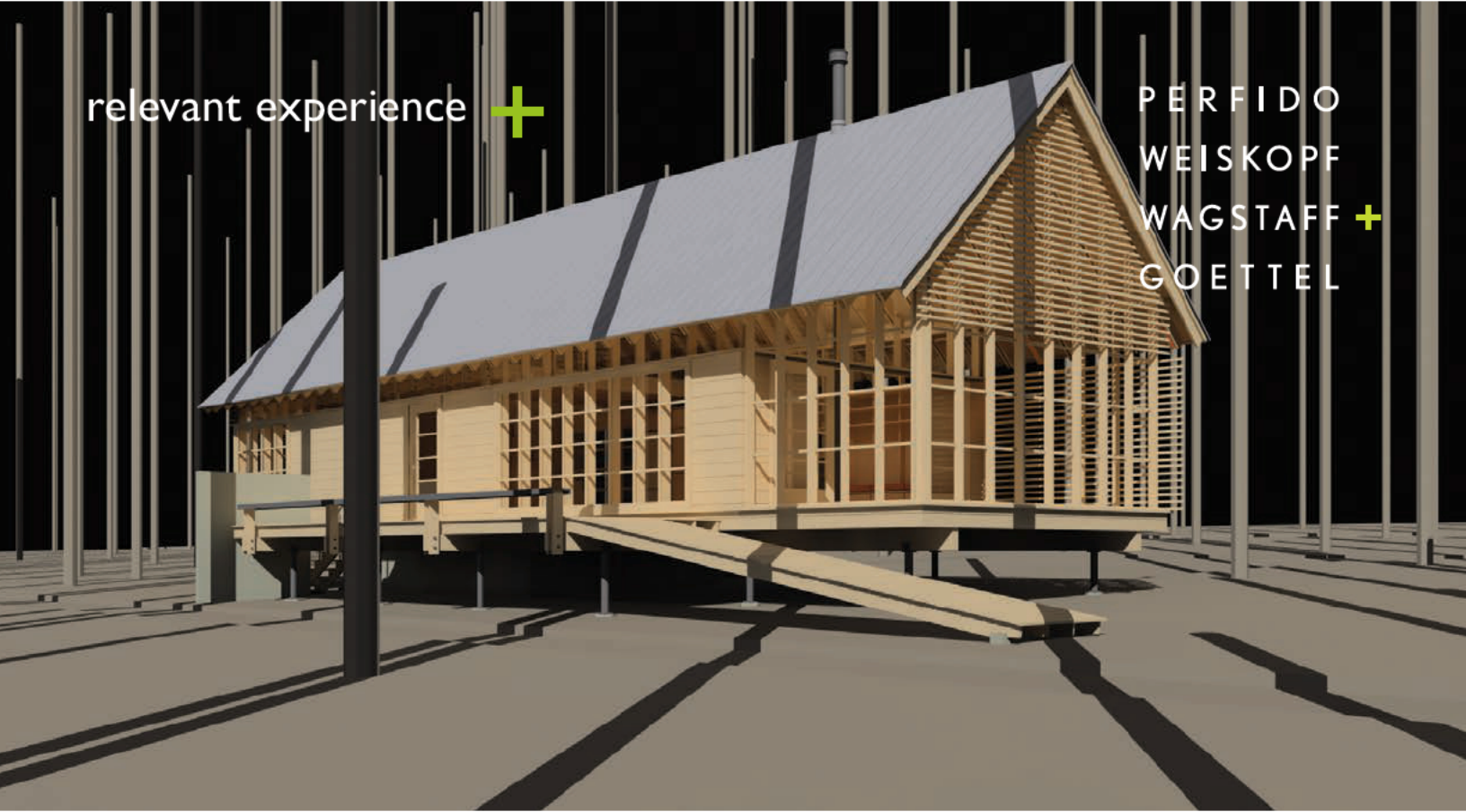
Detail at Porch



View from Kitchen toward Dining and Great Room

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cabin on a pond : eastbrook, maine

The client requested a three-season cabin for their own use, with accommodations for guests. The site is a densely-wooded, low-lying property on a pond in Maine with dramatic views to the west over the water.

The house sits along an existing footpath, an old logging road. The first floor was raised five feet above grade due to the low site and to improve the view. The design ritualizes movement from access road to parking area, through the house, out to the deck and down the ramp to a small beach.

The building's form is understated, keeping with the tradition of rustic cabins sited near scenic ponds. Materials are vernacular and readily available— There are four primary components to the house: the anchoring cast-in-place concrete foundation, the exposed wood frame structure, the sheltering galvalume roof, and the thin skin of glazing and siding.

CLIENT: Withheld

SIZE: 1,400 sf

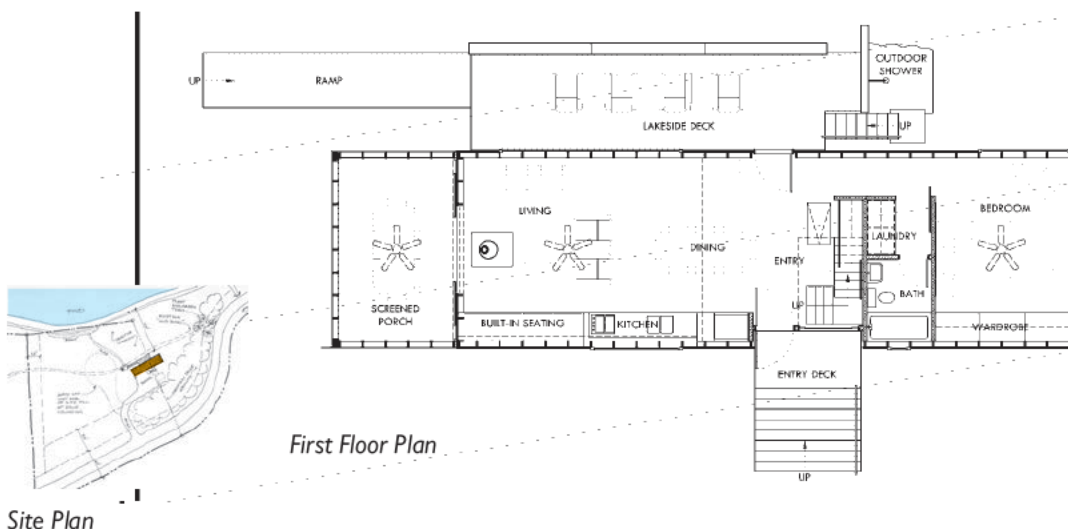
COST: Withheld

COMPLETION: 2006

FIRM RESPONSIBILITY:

Programming
Architectural Design
Contract Documents
Contract Administration

★ Design Award Winner



Site Plan



View during construction shows palette of natural wood



Computer model of open Living/Dining/Kitchen Area

relevant experience +

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL

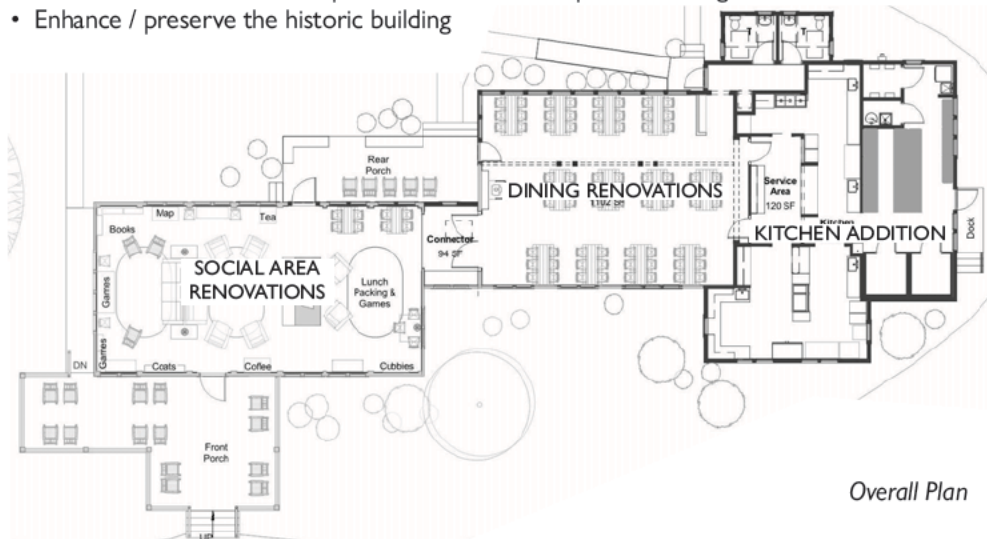


amc cold river camp, conant lodge renovation : chatham, nh

sensitive design preserves history, improves operations, sustainability & aesthetics

Original Conant Lodge (circa 1908) It is one of the oldest facilities at this family camp. Conant Lodge remains the camp's arrival focal point, showcasing dramatic vistas to nearby mountains. The building's design responds to sun and wind, leveraging natural ventilation and daylight, connecting guests to nature. Through the last century, as Cold River Camp grew, use of the Lodge also increased, resulting in seven accretions of varying quality. This pattern of growth cannot fulfill requirements for functional needs, architectural integrity, sustainability, inclusion, and code upgrades to maintain Conant Lodge as the center of CRC communal life. Improvements will reconfigure the Lodge to respect history (memories of place and occasions), preserve architectural merit, and update for current and future needs.

- Kitchen expansion / reconfiguration / modernization
- ADA / accessibility improvements / full inclusion
- Dining / Social area improvements
- Reduce carbon footprint / align with AMC sustainability goals
- Connect people to nature and to each other
- Building enclosure and structure improvements
- Greater conformance / compliance with New Hampshire building codes
- Enhance / preserve the historic building



FIRM RESPONSIBILITY:

Review the Planning Committee's program and design concepts; assess updates to improve function, sustainability, and aesthetics

Finalize programming

Architectural concepts for kitchen expansion, renovations, code and sustainability updates, and new envelope



Computer model shows interior layout with furnishings



Computer model of renovated Dining Room



Computer model, rear view with renovations



Model of renovated porch



Model, view from northeast

relevant experience +



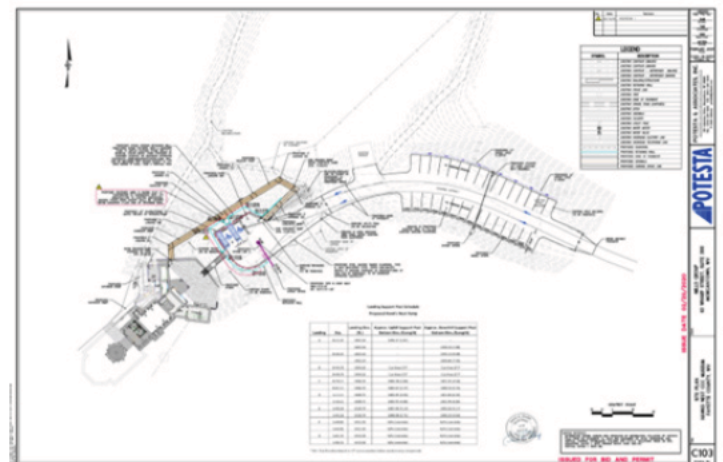
HAWKS NEST MUSEUM ADA ACCESS AND PARKING AREA IMPROVEMENTS

Mills Group, LLC | State Route 60 near Ansted, West Virginia

Potesta & Associates, Inc. (POTESTA) was retained by Mills Group, LLC (Mills Group) for engineering consulting services for the proposed Hawks Nest Museum project located on State Route 60 near Ansted, West Virginia. Project tasks included topographic surveying and civil/site design for the two new proposed ADA access points on the northeast side of the building and upgrading the existing parking area.

The topographic survey included the generation of a topographic map with 1-foot contour intervals. POTESTA established horizontal and vertical control at the site and performed conventional surveying. POTESTA located visible existing utilities as they pertain to the property. POTESTA provided a hard copy of the topographic survey, as well as an electronic file in AutoCAD format.

POTESTA performed the civil/site design for the proposed two additional ADA access points. The topographic mapping and site survey were used to prepare construction-level design drawings associated with the additional ADA access.





ENGINEERING & ARCHITECTURAL SERVICES PALESTINE STATE HATCHERY

West Virginia Department of Natural Resources (WVDNR) | South Charleston, WV

POTESTA was retained by West Virginia DNR to provide engineering and architectural design services for the upgrade of the former Palestine Fish Hatchery facility near Elizabeth in Wirt County, West Virginia.

The Palestine Fish Hatchery site borders the Little Kanawha River for approximately 0.8 miles. The hatchery is nearly 60 years old and needs a new estimated 9,000 sq. ft. building to accommodate the culture and reproduction of various species of mussels. The traditional method of mussel reproduction utilizes a host fish for larval development. This building has one separate controlled area for mussels and one area to hold the host fish. The building also offers areas for offices, laboratory space, and storage.

The Palestine hatchery site utilizes water from the Little Kanawha River by way of a pump station on the southern part of the property. The location of the new building was determined by the location of existing utilities, proximity to the reservoir and flood plain mapping. A new well is being drilled and used as a biosecure water source for the mussel cultivation. The area above the floodplain is quite limited, however, we evaluated the space available and obtain the WVDNR's concurrence on the location for the new building. Existing fish ponds provide areas for algae production.

POTESTA is providing; topographic and as-built surveying; geotechnical exploration and recommendations; new groundwater well location, drilling, and testing; civil and site design; specifications and cost estimates; bidding, construction administration, and limited construction observation.



relevant experience +



Arlington County Parks and Recreation Lubber Run Community Center

Arlington, Virginia



The Lubber Run Community Center Project is a collaboration between the County and the Arlington Community. Replacing the decades-old building, Arlington County selected CMTA to engineer a new community center that will provide net zero energy and a landscape-focused design for the park and surrounding community. Ultimately, Arlington Parks and Recreation's goal in achieving zero energy is a combination of maximizing the on-site solar array while optimizing the building's energy performance.

The 53,165 SF community center has multipurpose rooms for recreation programs for all ages, a fitness center with locker rooms, a gymnasium, a preschool program, community meeting rooms, kitchen, reception and program administration areas. Programmed and open recreation spaces will include a playground, multipurpose courts, covered space, underground structured parking, and improvements to site circulation and streetscape needed to facilitate access to the facility by all modes of transportation. The facility will serve as

a neighborhood clubhouse and resource for the entire county. It will also include space for a new senior center and house approximately 70 members of the Department of Parks and Recreation staff.

To make sustainability greatness a reality for Lubber Run, CMTA studied all building envelope features, including walls, windows and systems. The project includes a whole-building blowerdoor pressure test to validate construction tightness, as well as thermal scanning and imaging. The goal was to have a well-insulated building that exceeds code minimum requirements and is also air and water tight. Software such as eQuest was utilized to optimize the building envelope. Enhanced roof insulation thickness and wall insulation systems are utilized. Glazing sections are optimized to balance energy consumption with daylighting, and overhang structures optimize shading.

Summary

Cost: \$46,500,000

Size: 53,165 SF

Completed: 2020

Construction Type: New Facility

Energy Efficiency

Energy Use Intensity: 23

Renewable Design: 310

Building Certifications

- Zero Energy
- LEED Silver Targeted

Owner Contact

Michael Manos, PE, LEED AP
Facility Design and Construction
(703) 228-4437
manors@arlingtonva.us

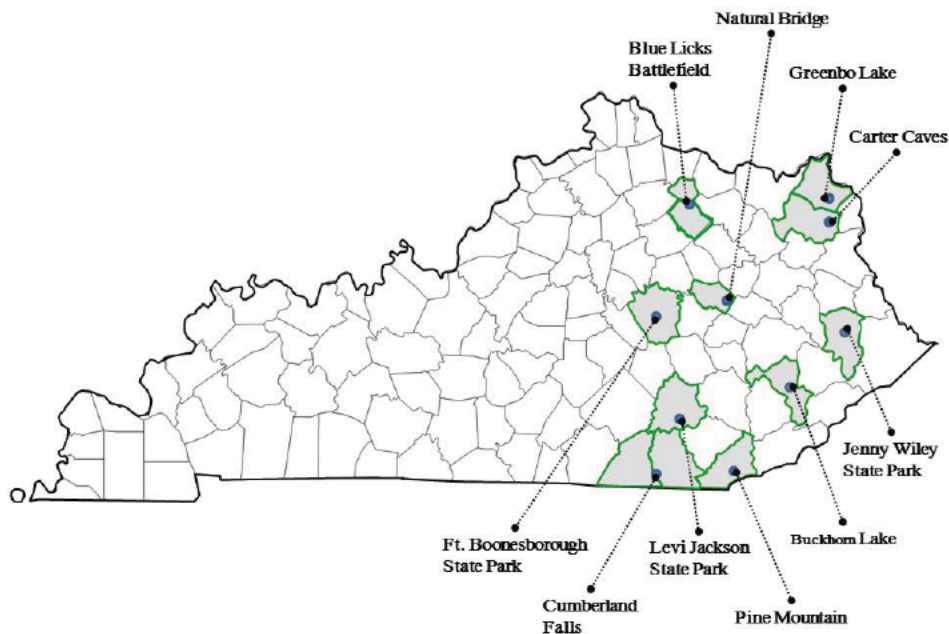


relevant experience +



Department of Parks Energy Saving Performance Contract

Frankfort, Kentucky



Summary

Cost: \$15,165,676

Size: 874,000 SF

Completed: 2017

Owner Information

Commonwealth of Kentucky

Frankfort, Kentucky

Project Reference

Tim Spencer

Project Manager

(502) 782-0530

The project was a Guaranteed Energy Savings Performance Contract covering 10 state parks located in Eastern Kentucky. The parks total 874,000 square feet. Major project highlights include:

- Five parks were renovated with a new geothermal HVAC System
- One park received a new lake source geothermal system
- 485 buildings received lighting renovations
- 185 plumbing fixtures were replaced
- Eight main resort lodges were provided with a new web based automation system while other buildings were provided with occupancy based controls
- Envelope improvements such as spray foam insulation, weather-stripping, caulking, etc. were provided throughout
- Two new wastewater lift stations were provided
- 30 acres of new Bermuda fairways were provided

- Eight laundry ozone systems were installed and one converted from electric to natural gas
- 120 older direct expansion systems were replaced with new air source heat pumps

The project is guaranteed to save:

- 15,057 gallons of diesel
- 30,468,000 gallons of domestic water
- 7,529,190 kilowatt-hours of electricity

The total annual savings to the Department of Parks is over \$1,412,222.

The project cost of \$15,165,676 will fully pay for itself 14 years after construction is complete. Construction started in July 2015 and completed in January 2017.

relevant experience +



Botanica Waterfront Botanical Gardens

Louisville, Kentucky



Summary

Cost: \$35,000,000

Size: 32,100 SF

Completed: 2019

Construction Type: New Facility

Owner Contact

Brian Voelker

President

(502) 276-5404

brian@waterfrontgardens.org

This project involves developing a 23-acre site along the Louisville Waterfront for Botanica from an age old landfill into the Waterfront Botanical Gardens. The site features a welcome center, education pavilion, conservatory, parking, utilities, restrooms and gardens.

Phase One includes an 8,100 SF Visitor Center designed to operate as a fully Zero Energy facility. The facility's transparent design blends into the environment yet its highly efficient glazing will be shielded from the sun by large overhangs. The soffits will be wood clad to provide a more maintenance-free surface as well as a beautiful and warm finish. The facility is designed to be one with nature and will feature an active solar photovoltaic array integrated into the greenhouse and public entry area and a geothermal heat pump system. The facility houses a kitchen area, office space, green room/meeting room, large lecture space/ classroom, restrooms, and an overlook deck.

The education center provides a science-based learning environment for classrooms of school children to visit daily

and is designed for evening events including large lectures or even the occasional wedding and/or reception. The education pavilion allows hands-on exploration of its sustainable features.

Future phases include the 24,000 SF conservatory which will house, under glass, a garden of healing tropical plants. A water feature will cascade from one side of the garden to the center of the facility. An interior indoor sensory garden will feature tropical and subtropical plantings. A mushroom cave will display diverse forms of mushrooms on tiered growing benches. The garden room will serve as flexible space for changing horticultural displays and for rentals, temporary art exhibits and performances. Sustainable features include ground source heat pump and geo-exchange field, retractable shading device, double or triple insulated glass curtain wall with low-E coatings and ceramic frit, high efficiency water fixtures, rainwater harvesting and on-site treatment of grey-water for use in irrigation and potentially flush fixtures.





Sample Project Experience

Moment Engineers staff experience includes a wide variety of new building design and existing structure evaluation and renovation. The list below is a small sample of the projects for which our staff has had responsible charge of the structural engineering design and contract document production. All projects listed were or are being constructed in West Virginia.

<u>Project</u>	<u>Sq. Ft.</u>
Palestine Hatchery	8,900
Buckskin Council Boy Scout Leadership Center	13,000
Shoring Design for Hawks Nest SP Renovations	-
Shoring Design for Twin Falls SP Renovations	-
Camp Dawson Chalets Structural Improvements	3,000
Summit Bechtel Reserve Bathhouses (358 units)	646 ea.
Pipestem SP Pedestrian Bridge	1,000
Cacapon State Park Addition	9,840
Coopers Rock Water Tank Foundation	-
North Bend SP Lake Debris Boom Foundations	-
West Liberty University Health Sciences Building	70,500
Mountaineer Challenge Academy	47,790
Glen Jean - AFRC	107,100
Elkins - AFRC	60,570
Lewis County Judicial Annex	28,000
Robert C. Byrd Regional Training Institute	143,000
Advantage Valley Advance Technology Center	55,040
Logan State Office Building	53,200
Greenbrier East H.S. Renovations & Additions	205,100
Lincoln Co. High School	216,500
Wayne Co. Spring Valley High School	175,000
Cabell West Elementary School	55,800
Judge Donald F. Black Courthouse Annex	37,000
WV Hospital Association Office Building	29,700

| project +
approach

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project approach

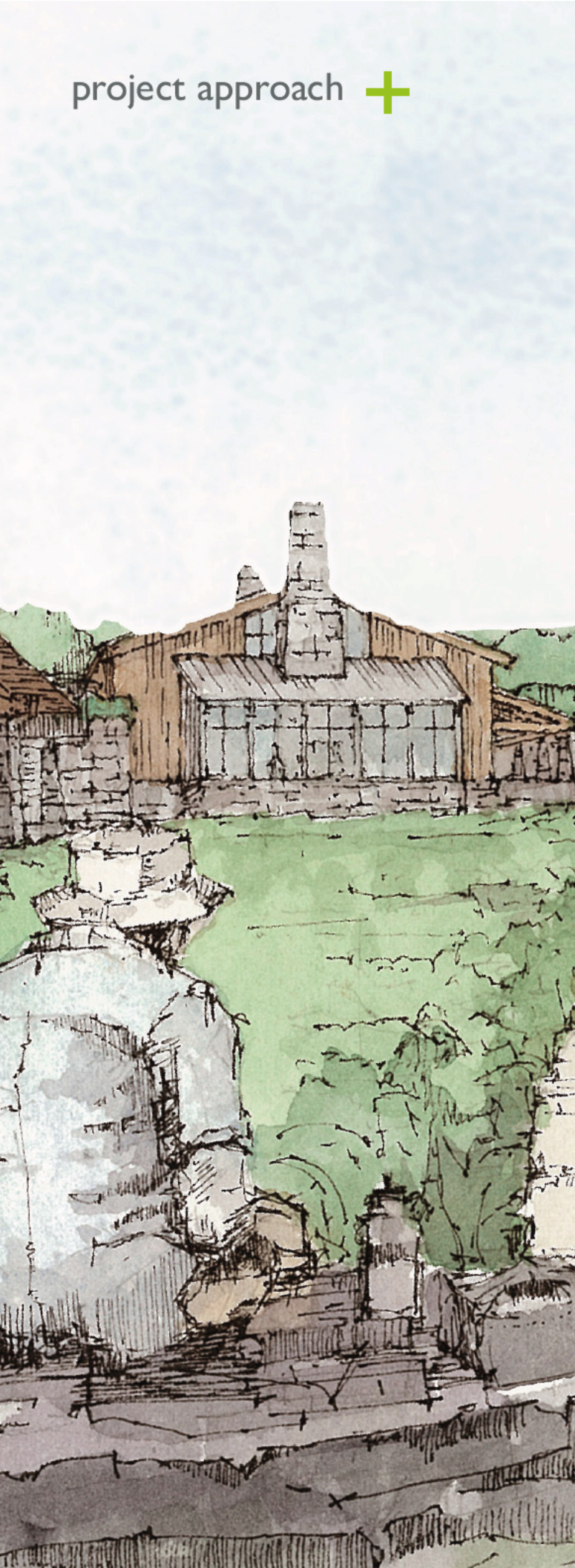
We do not bring a signature style or our own “agenda” to your project. Instead, we believe that the design solution and architectural character should grow out of the specifics of each project including the client, the use, the existing facilities, and the context. You can see the evidence of this approach in the diversity of our work.

To successfully deliver cabins that are competitive in the marketplace as desirable accommodations, and contribute to the vitality of the parks without detracting from the natural setting, we will utilize the following 3-part design process:

part 1: listening and understanding

We will begin with an intensive process of information gathering focused on two aspects of the project – the client organization and the existing facilities and site. Listening includes getting to know the culture of your organization; understanding your specific goals, needs, preferences and standards; learning from your past experiences including similar projects that may serve as precedents or prototypes; and clearly and accurately developing and documenting the project program, budget, schedule and sustainability targets. Understanding the facilities and sites involves spending enough time there to understand how to work with and enhance the assets and overcome the deficiencies, and gathering all the necessary technical and regulatory data including surveys, existing drawings, historic photographs, zoning regulations, easements, environmental and soils reports, site utilities, and other relevant information.





part 2: exploration

After listening and understanding, comes exploration. We view design as a constant interactive and collaborative process with the client. We will study a variety of configurations and alternatives to get the program balance right. We use Revit and Enscape computer 3D modeling and rendering software to present design alternatives, so they are easy to understand and really engage all stakeholders in open discussions that help us reach consensus regarding the best approach. Each successive step of the design will build directly from the interaction between our design proposals and the critical input from the Agency.

PWWG will coordinate meetings with all participants in a timely manner and will issue drawings and meeting minutes as a clear record of project development. PWWG uses an "Integrated Design" process to ensure that alternatives are evaluated on both architectural merits, and with respect to engineering, sustainability, constructibility, durability and budget. This "best practice" focuses on bringing the full consulting team together with your team members, applying the intelligence, experience, and insight of multiple perspectives to important questions from start to finish in the design process. Early involvement of all consultants ensures that the beneficial input of any one team member can be captured and leveraged to the best advantage of the project by all other disciplines at the earliest point in the design process.



Cottage on a Pond

part 3: synthesis

Once a single design concept is agreed on (often a hybrid or combination of several options generated in Step 2), our team will develop that design in detail. Our ongoing Integrated Design process ensures that the project stays responsive to your program, sustainability targets, construction limitations, budget, schedule, and life/cycle cost requirements. We believe strongly in maintaining a collaborative team approach to our relationship with the owner as we move from design, to documentation, to permitting and into construction.

APPROACH TO PROJECT DELIVERY AND COST CONTROL

We use an “integrated design process” with consultants, from programming through construction documents; PWWG convenes weekly or bi-weekly conference calls or meetings with the entire design team to answer questions, share information, coordinate work, and address problems en route to developing final drawings and specifications.

Early involvement of all consultants means that beneficial input of any one team member can be leveraged to best advantage of the project by all other disciplines at the earliest point in the design process.

We coordinate design team meetings with regular OAC (owner, architect, contractor) meetings, from design through construction. Our approach creates a clear path for meeting deadlines, and client expectations; responsibilities among all team members are clearly communicated and regularly reviewed. PWWG’s Project Manager and QC/Specification Specialist coordinate production of documents that are useful, easy to bid and use for contractors, and reliable in what they deliver to Owners.

We interview Maintenance and Facilities personnel to understand their direct experience with the existing facilities and probe their memory of past problems. And we are hands-on architects accustomed to working with contractors to solve issues and assist in strategies to accelerate construction.

The “best” design is the best affordable design, so PWWG builds cost analysis and control into each stage of our work. We understand that the design process nearly always involves some course correction to stay on budget, and we take this into consideration when developing the design schedule.

APPROACH TO STAFFING/WORKLOAD

PWWG and our consultant team have the availability and capacity to successfully staff the project based upon our current workload and backlog. We are dedicated to your project from start to finish, providing a continuity of staff through all phases.

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pwwg

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