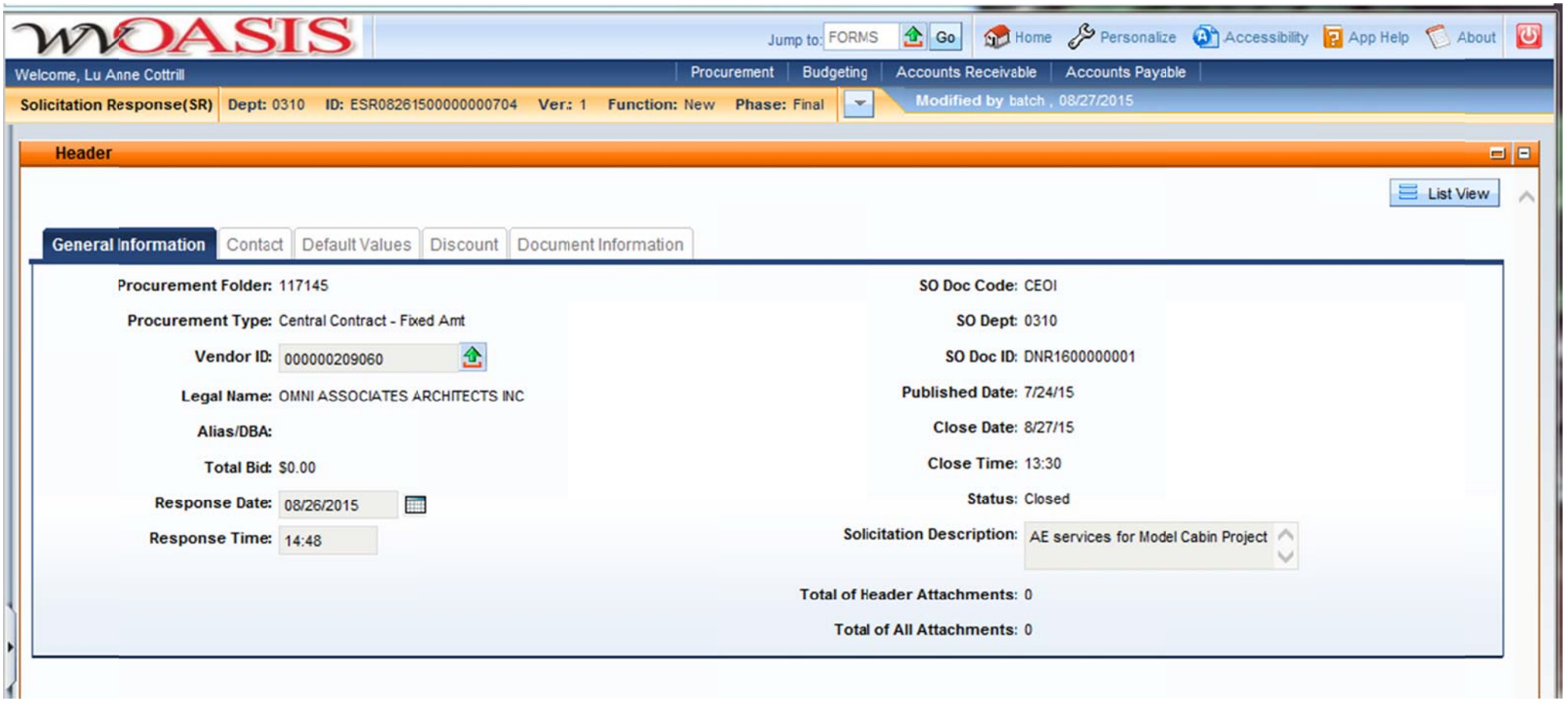
The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency 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.


WVOASIS
Jump to: FORMS Go
Home
Personalize
Accessibility
App Help
About
Welcome, Lu Anne Cottrill
Procurement
Budgeting
Accounts Receivable
Accounts Payable
Solicitation Response(SR) Dept: 0310 ID: ESR08261500000000704 Ver.: 1 Function: New Phase: Final
Modified by batch , 08/27/2015
Header
List View
General Information
Contact
Default Values
Discount
Document Information
Procurement Folder: 117145
Procurement Type: Central Contract - Fixed Amt
Vendor ID: 000000209060
Legal Name: OMNI ASSOCIATES ARCHITECTS INC
Alias/DBA:
Total Bid: $0.00
Response Date: 08/26/2015
Response Time: 14:48
SO Doc Code: CEOI
SO Dept: 0310
SO Doc ID: DNR1600000001
Published Date: 7/24/15
Close Date: 8/27/15
Close Time: 13:30
Status: Closed
Solicitation Description: AE services for Model Cabin Project
Total of Header Attachments: 0
Total of All Attachments: 0

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

State of West Virginia
Solicitation Response

Proc Folder : 117145

Solicitation Description : AE services for Model Cabin Project

Proc Type : Central Contract - Fixed Amt

Date issued	Solicitation Closes	Solicitation No	Version
	2015-08-27 13:30:00	SR 0310 ESR08261500000000704	1

VENDOR

000000209060

OMNI ASSOCIATES ARCHITECTS INC

FOR INFORMATION CONTACT THE BUYER

Guy Nisbet

(304) 558-2596
guy.l.nisbet@wv.gov

Signature X **FEIN #** **DATE**

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	Architectural engineering				

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description : Architectural engineering

Omni Associates - Architects

August 27, 2015

Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Re: Expression of Interest – DNR 1600000001
Model Cabin Project

Dear Sir or Madam:

Omni A ssociates-Architects, I nc. is pleased to submit our Proposal to the West Virginia Division of Natural Resources for architectural and engineering design services for the design and construction of renovations to two cabins at Watoga State Park and a company house at Cass Scenic Railroad State Park. Omni has extensive and diverse experience in resort, recreation and rehabilitation design that separates us from our competitors

Omni Associates' design portfolio includes a number of lodge expansions and renovations at Twin Falls Resort State Park, Canaan Valley Resort State Park, Bluestone Resort State Park, and multiple projects at Silver Creek and Snowshoe Mountain Resort. Omni is recently finalized a Master Plan study for Grand Vue Park in Moundsville which includes renovation as well as the design of new cabins.

Our team for this project, which includes **Omni Associates** and **Tower Engineering,** has a long established history of successful project collaboration. **Barber & Hoffman** will provide structural engineering services as needed. Our three firms are currently implementing the master plan for Grand Vue Park. Our professional staff of architects, engineers, and planners possesses the dedication, expertise, and project experience to ensure that your project goals are realized.

Our team has extensive experience working in West Virginia, and we are prepared to provide the following benefits for this project:

- Innovative cost saving design approach to minimize building costs;
- Sustainable energy efficient systems to minimize operational costs;
- Flexible building design to address current and future needs; and
- A realistic design and construction schedule to meet your needs.

Thank you for giving us the opportunity to present our credentials. Together, we present a proven team that listens, produces a quality product, and provides professionalism and attention to detail from the first sketch to the finished project. We would enjoy the opportunity to personally meet with you and the balance of the selection committee to discuss our professional experience in greater detail.

Best regards,
OMNI ASSOCIATES – ARCHITECTS, INC.

Richard T. Forren, AIA, NCARB
Principal

Omni Associates - Architects, Inc.
1543 Fairmont Avenue - Suite 201 • Fairmont, WV 26554
Voice: 304.367.1417 • Facsimile 304.367.1418

omniassociates.com
info@omniassociates.com

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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)

☐ Addendum No. 1	☐ Addendum No. 6
☐ Addendum No. 2	☐ Addendum No. 7
☐ Addendum No. 3	☐ Addendum No. 8
☐ Addendum No. 4	☐ Addendum No. 9
☐ Addendum No. 5	☐ 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.

OMNI ASSOCIATES-ARCHITECTS, INC.
Company

Authorized Signature

8/26/2015
Date

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

000030

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

DEFINITIONS:

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

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

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

Authorized Signature: _____ Date: 8/26/2015

State of WEST VIRGINIA

County of MARION, to-wit:

Taken, subscribed, and sworn to before me this 26 day of AUGUST, 2015

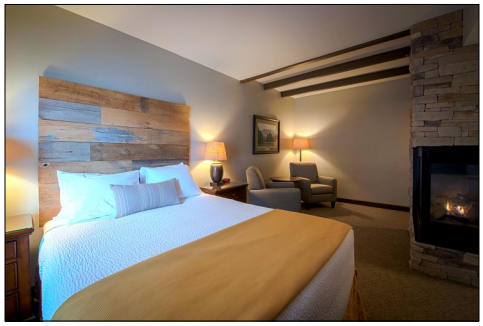
My Commission expires FEBRUARY 9, 2015.

AFFIX SEAL HERE

NOTARY PUBLIC _____

West Virginia Division of Natural Resources
Model Cabin Project

Statement of Qualifications



Omni Associates – Architects, Inc.
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Fairmont, West Virginia 26554

Voice.304.367.1417
Facsimile.304.367.1418
Email: info@omniassociates.com
www.omniassociates.com

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omni associates ARCHITECTS

General Qualifications

OMNI ASSOCIATES - ARCHITECTS is an award-winning architectural firm located in Fairmont, West Virginia. Our excellent reputation and superior work product are a direct result of mutual respect and effective communication with our clients and consultants, which enables our staff to provide outstanding architectural and engineering design services for our clients.

Since our inception in 1980, OMNI has earned recognition in the programming, planning, and design of a variety of facility types, including K-12 schools, higher education facilities, office buildings, recreational facilities, religious facilities, health care, military, and multipurpose facilities.

Our approach to design has allowed us to avoid the confines of specialization and afforded us the opportunity to create a diverse body of work. Each project is a unique undertaking that begins with analyzing the needs and desires of the client and interpreting them into a distinctive design that meets specific needs and exceeds expectations.

Omni has a successful history of designing intimately with each client and working out collaborative solutions that meet the goals of the project, resulting in an impressive record of customer satisfaction. We are a proven team that listens, provides professionalism and attention to detail, and produces a quality product. These are qualities that draw our clients back, resulting in lasting relationships. That's why we enjoy a repeat client rate of more than 90% - a source of considerable pride.

Omni Associates – Architects' design team has developed designs for numerous projects which must comply with State and Federal regulations. Such projects include working with the following Agencies: Federal General Services Administration (GSA); WV General Services Administration; Corps of Engineers; National Guard Bureau; Federal Aviation Administration; Department of the Navy, Federal EDA; WV EDA; HUD, and the WV School Building Authority (SBA).

Our work has involved a variety of funding sources including the WV Development Office – Small Cities Block Grants, State Revolving Fund Loan, Rural Economic and Community Development Administration (Farmers Home Administration), WV Division of Environmental Protection – Construction Grants Branch, US Department of Commerce-Economic Development Administration, Water Development Authority, West Virginia Infrastructure and Jobs Development Council, and Appalachian Regional Commission, either individually or in combination.

Omni Associates provides clients with the results they value most: innovative designs consistent with the building program, cost effective designs which meet the budget, and efficient project management to provide on-time deliverables. We're confident in our expertise, and our clients are confident in our reputation for superior services.

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304.367.1417 (voice)
304.367.1418 (fax)
info@omniassociates.com
www.omniassociates.com

OWNERSHIP
Professional Corporation

HISTORY
Established in 1980

SENIOR PERSONNEL

Stephen A. Barnum AIA, NCARB
Senior Principal

Richard T. Forren AIA, NCARB
Principal

John R. Sausen AIA, NCARB, LEED AP
Principal

David A. Stephenson
Principal

Edward A. Luthy AIA, NCARB
Principal

Omni Associates - Architects provides comprehensive, in-depth professional architectural services for new construction, renovation, addition, and adaptive reuse utilizing a variety of delivery methods to best serve our clients' needs.

Design-Bid-Build Delivery Method
Omni has performed private and public projects of every building type using this traditional method of project delivery. We organize your entire project in advance of bidding and work extensively with you to achieve alternates to program goals. Construction documents are prepared and bid to multiple general contractors to achieve competitive pricing. Omni has successfully negotiated with contractors to maintain changes and costs to a minimum and still achieve the initial time schedule.

Omni has also worked on "fast-track" and "multiple-prime" contract projects to achieve an accelerated building construction time schedule. As a variation of the traditional design-bid-build delivery, the negotiated select team approach allows for selection of a contractor early in the design process. We prepare construction drawings in stages and bid these "parts" of the total building program so construction can be ongoing as the next phase is programmed and designed. We have worked with General Contractors, Construction Managers and multiple prime subcontractors to successfully complete this type of project delivery.

Design-Build Delivery Method
More and more owners and developers are seeking a simpler delivery style with a single point of responsibility for both design and construction. Under design-build, a consolidated entity provides both design and construction services to the owner. A single contract is established between the owner and the architect–contractor or design-builder. Omni has experience with both scenarios and has contracted with owners and with general contractors to achieve this streamlined method of project delivery for two West Virginia schools as well as numerous private Owners. Additionally, Principal Architect Richard T. Forren was recently appointed to the West Virginia Design Build Board.

Construction Administration
Omni has worked on projects for only the construction phase of the total building life. This would include projects designed by another firm who needs local supervision or a "pre-designed" project from a national restaurant or store, which requires local implementation. Omni has also performed bank or financing inspections to determine the completion status of the project for periodic applications for payment.

Omni Associates—Architects

Conceptual Design & Planning

Master Planning

Program Development

Renderings

Cost Estimation

Schematic Design

Design Development

Construction Document Development

Bidding & Negotiating

Construction Administration

Post-Contract Services

Facility Management Services

Feasibility Studies

Legal Consultation

Historical Restoration

omni associates—architects, inc. 304.367.1417 www.omniassociates.com

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omni associates ARCHITECTS

Management and Staffing Capabilities

Omni Associates - Architects firmly believes that the best gauge in determining our performance and abilities is the quality of the personnel of which we are comprised. Omni's greatest resource is our professional staff of dedicated, experienced, and creative individuals.

Our skilled team includes **7 registered architects**, intern architects, computer-aided design specialists, an interior designer, and knowledgeable administrative support staff**.** Their quality, expertise, and dedication integrate to produce the solid foundation upon which Omni has built its reputation.

OMNI organizes its staff into several teams or "studios." A specific project team is established for each commission. Studio resources are combined for larger projects. Younger staff members bring a fresh perspective and gain valuable knowledge under the guidance of more experienced staff. Utilizing this approach, we are able provide the human resources required for all types of projects, including large and complex projects.

The project team, including the principal-in-charge, actively participates in the project from start to finish. The same professionals who develop an understanding of your needs in programming generate design alternatives, oversee the production of construction documents, and implement the concepts during construction. The consistency afforded by this approach is a benefit to OMNI and you.

In reality, the OMNI project team goes beyond our in-house staff. It includes consultants, client representatives, owners, and a construction manager, as required. It is the mutual respect of each team member's skills and perspectives that enables the design process to conclude with a successful project of which we all can be proud.

Throughout our years of experience, we have worked with a variety of consultants specializing in structural engineering, civil engineering, mechanical and electrical engineering, and other disciplines as each project dictated. You can be assured that the consultants we select for your project are selected for their particular and relevant expertise as well as their superior work ethic. In short, we carefully staff the design team, including in-house professionals and outside consultants, with the type of personnel we would want working for us to work for you

Omni Associates -Architects, Inc.

Omni Associates has successful project experience throughout the East Coast of the United States. Our architects are licensed in the following states:

Florida
Kentucky
Maryland
New Jersey
New York
North Carolina
Ohio
Pennsylvania
South Carolina
Virginia
West Virginia

Firm Memberships:

American Institute of Architects
U.S. Green Building Council
West Virginia High Technology Consortium
Marion County Chamber of Commerce

Proposed Project Team

Omni Associates – Architects carefully selects project teams based on each member's ability to add directly-related experience, ensuring our ability to meet the specific challenges and goals of each client. Our dedicated and experienced staff brings a unique level of ingenuity to every project.

Omni has assembled a team of professionals who provide outstanding services for the specific needs of this project. Our proposed project team consists of **Omni Associates - Architects and Harper Engineering.** Together, we have established a history of successful project collaboration that includes Riverview at Clendenin, Elkins First Ward Apartments, Sutton School Apartments, Franklin Elementary School, and Simpson Elementary School Renovations.

Omni Associates – Architects, Inc.

Omni Associates will serve as the lead firm and coordinator of architectural and engineering services. We believe that our approach to design combined with the variety of our work, which includes additions and renovations as well as new facilities, sets us apart as the best qualified architectural firm for your project.

Omni will provide the link to all communications with regard to interdisciplinary reviews, sub-consultant and contractor coordination, and state agency review and inspections, and will act as the control point to ensure that the Owner's goals and requirements are met. This is critical as project goals are typically not fixed but evolve throughout the design and construction process as new information is gained. It further ensures that operation and maintenance issues are incorporated into the design documents.

In order to guarantee a constant level of dedication and commitment, it is Omni's philosophy and practice that a principal remains with the project from commencement to closeout. It is essential that a single individual be intimately involved in every aspect of the process to ensure the client's needs are being met in a timely and cost effect manner *and* that the Contract Documents reflect the intent as well as the content of the design.

Richard T. Forren will serve as Principal-in-Charge for your project. As a Principal-in-Charge and Project Architect, Mr. Forren's primary responsibility is to develop the overall concept of design by performing technical tasks which include: Project space programming; Schematic layout of functional spaces; Aesthetic design and development; Concept and coordination of building systems such as mechanical, electrical, plumbing and fire protection; Preparation of bidding documents and material specifications; Project management and Construction administration. These tasks are performed for a wide range of commercial projects that include master planning, land development, building construction and tenant build-out.

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Mr. Forren has been Project Architect in charge of design and construction for Omni Associates – Architects since 1984. He received a Bachelor of Science degree in Civil Engineering Technology from Fairmont State College and achieved a Masters of Architecture from Virginia Polytechnic Institute and State University. He serves as a Colonel in the United States Army Reserves and is currently assigned to the Fifth United States Army as the Army's Emergency Preparedness Liaison Officer (EPLO) for West Virginia.

Adam L. Rohaly will serve as Project Manager. After achieving a Bachelor of Architecture from the University of Tennessee in 2003, Mr. Rohaly practiced architecture in South Carolina for 10 years, gaining an intimate knowledge of a wide variety of project types including residential, academic, commercial, ecclesiastic, military, and civil. He was the 2011 Idea Winner of the Armstrong Commercial Flooring i2r Design Competition. Adam joined Omni Associates in 2013 and is now a Principal Architect. Adam recently served as Project Architect and Project Manager for the renovation of the former Vantage Inn in Snowshoe, West Virginia and has begun work on a second phase of the project, which will involve the construction of a new lodge. His current projects include the Mon General Health Park and the City of Fairmont Municipal Building.

Tower Engineering
MEP Engineering
Through the years, Tower Engineering has built a reputation for quality service – not only in the expertise of our design, but also in our attentiveness to the client's needs. We work with each client's operating personnel and the contractor to ensure that systems are installed in accordance with plans and specifications; that they operate properly in relationship with their subsystems; that they operate through a wide range of operating conditions as well as design conditions; and, that the operating and maintenance personnel have been properly trained. Our repeat clients are evidence of our clients' satisfaction with our engineering services, concern for project budgets, and compliance with performance schedules.

Barber & Hoffman
Structural Engineering
Founded in 1934, Barber & Hoffman (B&H) is a premier structural engineering consulting firm serving the Midwest and Mid-Atlantic States. B&H serves design and construction professionals, medical and educational institutions, building owners and managers, government agencies, contractors, fabricators, developers, and others. B&H is rich with a versatile staff of registered Professional Engineers, EI's, and technicians. We possess decades of experience coupled with the knowledge of the latest design techniques, structural engineering modeling, materials technology, and cost-effective planning to produce a wide range of interesting and efficient buildings and structures.

More information about our consultant, including resumes and project examples, can be found in the tabbed section following this proposal.

Richard T. Forren AIA, NCARB

PROJECT ASSIGNMENT
Principal-in-Charge
Project Architect

EDUCATION
Master of Architecture
Virginia Polytechnic Institute, 1983

BS, Civil Engineering Technology
Fairmont State College, 1980

REGISTRATION
American Institute of Architects, Member
American Institute of Architects—West Virginia, Member
NCARB: National Council of Architectural Registration Boards
U.S. Green Building Council, Firm Membership
Associated Builders and Contractors Inc., Firm Membership
International Association of Emergency Managers, Member
Registered in West Virginia, Pennsylvania, Ohio, Kentucky, Florida, and New Jersey

GENERAL EXPERIENCE
- Project Architect in charge of design and construction for Omni Associates - Architects since 1984.
- Responsible for coordinating and designing all aspects of a project from programming through construction administration and project close-out.
- Previously employed by Robert J. Bennett AIA & Associates, Morgantown, West Virginia 1983 to 1984.

RELATED EXPERIENCE
- West Virginia Board of Architects
- West Virginia Design-Build Board
- Colonel in the United States Army Reserves currently assigned to the Fifth United States Army as the Army's Emergency Preparedness Liaison Officer (EPLO) for West Virginia.
- Bridgeport City Planning Commission
- City of Bridgeport Emergency Services Council
- Member of the Faculty Advisory Committee for Civil Engineering Technology and Architectural Engineering Technology, Fairmont State College, Fairmont, West Virginia

Select Project Experience

Grand Vue Park
Moundsville, WV

Twin Falls Resort State Park
Lodge Addition and Renovations
Mullens, WV

Mon Power Regional Headquarters
Fairmont, WV

West Virginia High Technology Consortium, Fairmont, WV
5000 NASA Boulevard
Allan B. Mollohan Innovation & Incubator Center

City of Fairmont, West Virginia
Municipal Building
Public Safety Building

State of West Virginia New Office Building
Fairmont, WV

Harrison County Schools, WV
Simpson Elementary School Renovations
Lincoln Middle School
Lumberport Elementary School

Pendleton County Schools, WV
Franklin Elementary School

Marion County Schools, WV
West Fairmont Middle School
Fairmont Sr. High School Cafeteria

West Virginia Army National Guard
Buckhannon, WV
Armed Forces Readiness Center
Fairmont, WV
Armed Forces Readiness Center
Eleanor, WV
Maintenance Facility
Armed Forces Readiness Center
Access Road & Guard House

Fairmont State University
Fairmont, WV
Wallman Hall Renovations
Engineering Tech Addition and Renovations
Library Addition & Renovation
Feaster Center Addition & Renovation
Colebank Hall Renovation
Inner Campus Renovation
New Education and Health Sciences Bldg
Robert C. Byrd Aerospace Center

Canaan Valley Institute Headquarters
Davis, WV

Adam L. Rohaly AIA, LEEP AP

PROJECT ASSIGNMENT
Project Architect
Project Manager

EDUCATION
Bachelor of Architecture
University of Tennessee, 2003

REGISTRATION / PROFESSIONAL AFFILIATIONS
American Institute of Architects, Member
American Institute of Architects—West Virginia, Member
LEED Accredited Professional
U.S. Green Building Council, Firm Membership
Associated Builders and Contractors Inc., Firm Membership
Registered in West Virginia and South Carolina

EXPERIENCE
- Joined Omni Associates in 2013.
- Named Senior Associate in 2014
- Became a Principal Architect in 2015
- Ten years experience in South Carolina.
- Strong technical background and vast knowledge of systems software.
- Architectural practice has included diverse project types including educational facilities, commercial office, retail, hospitality, ecclesiastic, and residential.

RELATED EXPERIENCE
- Presidential Scholarship Recipient, University of Tennessee
- Honors Program Student, University of Tennessee
- Winner of the Exemplary Design Award, University of Tennessee
- Studied abroad at Cracow Technical University in Cracow, Poland
- 2011 Idea Winner of the Armstrong Commercial Flooring i2r Design Competition
- Member of South Fairmont Rotary
- Actively involved with Main Street Fairmont
- Leadership Marion XXXIII (2014-2015)

Select Project Experience

With Omni Associates-Architects
- Grand Vue Park
  Moundsville, WV
- Vantage Inn at Snowshoe Mountain, renovations and addition
  Snowshoe, WV
- Mon General Medical Park
  Morgantown, WV
- City of Fairmont Municipal Complex
  Fairmont, WV
- City of Fairmont Customer Utility Billing Enterprise
  Fairmont, WV
- Suncrest Towne Centre, Building 525
  Morgantown, WV
- Suncrest Towne Centre, Park & Madison, fitout
  Morgantown, WV

With Stubbs Muldrow Herin Architects
- South Carolina State University Hodge Hall Science Building Expansion
  Orangeburg, SC
- The Tides Medical Arts Center
  Mount Pleasant, SC
- Mount Pleasant Animal Hospital
  Mount Pleasant, SC
- Charleston Ear Nose and Throat
  Charleston, SC
- Medical University of South Carolina Executive Health Center
  Charleston, SC
- Medical University of South Carolina Health- East Cooper
  Mount Pleasant, SC

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BIM: Building Information Modeling

Omni is committed to continually upgrading existing technology and driving the evolution of design tools. This commitment springs from the firm belief that the responsible use of technology facilitates innovative design, results in economic benefits for our clients, and assists in efficient communication with clients and consultants.

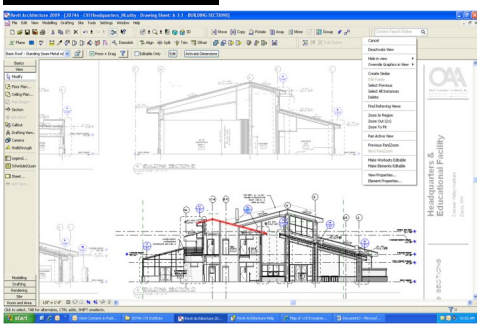
In 2006, Omni Associates began the transition from traditional CAD software to Autodesk® Revit® Building Information Modeling (BIM). We immediately recognized the basic benefits to both designers and owners: more efficient, cost-effective project delivery and an accurate building model that can later assist in energy analysis and building management.

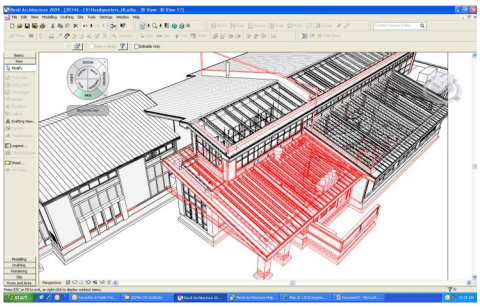
Omni implemented the use of BIM as our primary software platform for all projects in 2006. In utilizing BIM, we discovered the real depth of its value:

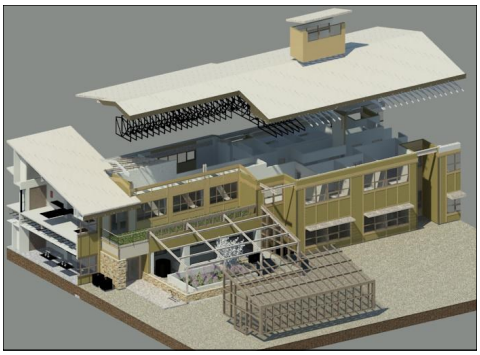
- With a virtual model of the building, clients can clearly see the design intent as the project progresses and design options can be explored with greater ease than ever before.
- Sharing the model among all disciplines as the design progresses allows early input from all of the design professionals involved, resulting in efficient designs.
- Creating a building in the virtual world before constructing it in the "real" world allows the design team to anticipate conflicts and objections before they arise, eliminating many issues which could result in project change orders or Requests For Information from the contractor.

Omni is proud to show that we don't just use Revit software, but we are adept at using it and can provide skilled support as needed. Omni staff member Reuben Losh is now an Autodesk Revit Architecture 2011 Certified Associate. Mr. Losh plans to test soon for the next level of certification, Autodesk Revit Architecture 2011 Certified Professional.

Obviously, using the latest computer software does not guarantee good design. Good design is built upon having a complete understanding of the client's needs and the knowledge & experience to create a space which addresses those needs in an elegant and practical manner. We see BIM as an advanced tool in making that goal a reality for each project that we undertake.







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omni associates ARCHITECTS

Electronic Submission of Project Documents

Since 2007, Omni has utilized a web-based solution for secure file storage and project team collaboration. The site employs a simple and intuitive interface, similar to social networking sites, that is much easier to navigate than an FTP site. This encourages communication among team members while leveraging the security of data encryption and controlled access.

This tool supports building information modeling (BIM) workflows and can be used throughout all phases of a project for such tasks as file storage, RFI and Shop Drawing management, and project milestone tracking. Since these processes are electronic, the time it would take to mail or fax documents is eliminated and project information is centralized. Project information is hosted on secure third-party servers, which means that it is available to team members from wherever they have internet access. The Owner and Architect work together to determine to whom and to what extent site access is given.

Case Study

Prior to its merger with First Energy, Allegheny Energy selected Omni Associates – Architects via a competitive selection process to provide all Architectural and Engineering services for its new transmission operations headquarters in Fairmont, West Virginia. Close communication was a critical part of this fast-track project with an aggressive design and construction schedule. Midway through the design process, the design team learned that the specialized technology for the building had advanced, prompting quick redesign work. The necessary changes could have greatly slowed progress, but because the design team was already utilizing collaborative tools such as building information modeling (BIM), electronic submission of project documents, and virtual meetings, impact on the project timeline was minimal.

Time and Budget

Omni has always provided timely performance on many aggressive schedules as well as funding constraints. We have successfully negotiated with contractors to keep change orders and costs at a minimum and achieve the initial time schedule.

All of our clients, whether public or private, are constrained by tight, fixed budgets, vulnerable to escalating construction costs and restricted by challenging schedules. Successful value engineering does not occur at the end of the project, but is integrated throughout the design phases. We avoid change orders during construction by value engineering from the inception of the project to make sure that our client's expectations are met and that budget, program and design are all reconciled with one another. Our team will employ flexible cost management techniques that include five essential components:

- Continuous value engineering in each stage of design and beginning with the earliest phases of planning.
- Preparation of formal independent construction cost estimates prepared by a professional estimator and/or by a construction manager.
- Reconciliation of design, program and budget based on the estimates before proceeding to the next project phase.
- Quality control and coordination of architecture with engineering and other disciplines to reduce the amount of changes required during construction.
- Application of appropriate contingences and allowances during design to facilitate design evolution with each phase and in construction to cover inevitable unforeseen circumstances.

Cost Estimating
We take pride in our approach to solving our client's aesthetic goals while meeting budgetary constraints. Omni utilizes several methods of cost estimating to provide reliable cost of construction estimates for various construction types.

- Historical data from previous projects
- Construction-estimating periodicals such as *Means Square Foot Costs*
- Consultation with leading construction firms in the project region
- Professional cost estimators who evaluate a set of specifications and/or progress prints provided by our firm to determine estimated construction costs based on the project's specific location. For this project, cost estimation will be performed by **Blundall Associates**, a construction cost consulting firm with whom we've established a very successful working relationship over the past few years.

The combination of these resources provides reliable costs of construction for various building types.

Project	Budget	Bid
WV Army National Guard Armed Forces Readiness Center Fairmont, WV	$23,210,000.00	$22,800,000.00
Lumberport Elementary School Harrison County, WV	$10,000,000.00	$8,600,000.00
Mon Power Regional Headquarters Fairmont, WV	$35,000,000.00	$33,000,000.00
Canaan Valley Institute Headquarters Davis, WV	$5,900,000.00	$5,154,000.00
WVU Child Learning Center Morgantown, WV	$5,700,000.00	$5,485,000.00
WV High Technology Consortium 5000 NASA Boulevard Fairmont, WV	$18,339,281.00	$16,331,589.91
WVU Hospitals North and Northeast Towers Morgantown, WV	$36,000,000.00	$35,000,000.00

Occupancy, Commissioning, Permits and Plan Approvals
West Virginia codes have a major influence on the design of any building. A good working relationship with local and state building agencies is critical for a successful project. Omni has extensive experience with code compliance and we have enjoyed an exceptionally compatible working relationship with The West Virginia State Fire Marshal's office for over 30 years. Omni has made it a practice to have face-to-face reviews with the WVSFM, which provide valuable feedback and result in many hours saved during design and production.

LEED™ (Leadership in Energy and Environmental Design)

The LEED Green Building Rating System provides standards for environmentally sustainable construction. LEED Accredited Professionals demonstrate a thorough understanding of green building practices and principles and familiarity with LEED requirements, resources, and processes. Omni Associates currently has three LEED Accredited Professionals and one LEED Green Associate on staff.

A new headquarters for Canaan Valley Institute (CVI) in Davis, West Virginia completed construction in 2010. In accordance with CVI's mission, the Omni design team planned a "green" building that demonstrates environmentally friendly systems to visitors. The team utilized a number of "green" technologies and achieved its goal of LEED Silver certification.

Omni was also the Architect for the Mon Power Regional Headquarters in Fairmont, West Virginia. Completed in 2011, this project also incorporated LEED design features and is LEED Certified.

Recently Certified:

- Charleston Professional Building—LEED Silver

Current LEED Projects:

- WVARNG Fairmont Armed Forces Readiness Center—Following LEED standards but will "self-certify".
- GSA Fairmont Office Complex—Seeking Certification under LEEDv3
- WVARNG Buckhannon Armed Forces Readiness Center—Seeking Silver certification under LEEDv3

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Scan the 2-D code with your smart-phone for additional

omni associates ARCHITECTS

References

Omni Associates realizes that our relationships with our clients are a vital component in the success of realizing their goals and needs. We encourage you to contact any of the following references in assisting you with your selection of a professional architectural firm.

Ruby Dog Holdings
909 Champlain Place
Gibsonia, PA 15044

Mr. David Billings
Owner, Corduroy Inn
724.712.1877

City of Fairmont
200 Jackson Street
Fairmont, WV 26554

Mr. Mark Miller
City Planner
304.366.6212 Ext. 249

West Virginia HighTechnology Consortium Foundation
1000 Technology Drive, Suite 1000
Fairmont, WV 26554

Mr. Brad Calandrelli
Facility and Property Program Mgr
304.366.2577 ext. 233

First Energy
Toledo Edison
6099 Angola Road
Holland, OH 43528

Ms. Linda Moss
President
800-447-3333

First Energy
Mon Power Regional Headquarters
5001 NASA Boulevard
Fairmont, WV 26554

Mr. Bob Hellman
Supervisor, Facilities Management
304-534-7955

Braxton Co. Development Authority
P.O. Box 1925
Charleston, WV 25314

Ms. Terrell Ellis
Executive Director
304.342.6972

"...this (West Virginia High Technology Consortium) is indeed an important economic development project for West Virginia, and I wish to thank Omni Associates for the predominant role that they played in making this endeavor, as well as many other significant projects across the state, a reality..."

Robert C. Byrd
United States Senate

"Omni has been an integral part of this entire process. The architects worked quickly to assess our needs and develop the frame work for this building and worked closely with us to ensure the final product would be efficient as well as beautiful. The team environment encouraged a collaborative effort to meet our specific needs."

Linda Moss
Director, Ops Support and Project Manager
First Energy

"In appreciation of all of your hard work, dedication, and technical support to the Eleanor Maintenance Complex, West Virginia Army National Guard. Your expertise has helped create one of the finest Maintenance Shops in the United States."

Robert D. Davis, CPT, OD,
WVARNG CSMS Superintendent
Warren T. Huxley, LTC, EN,
WVARNG,
Surface Maintenance Manager

"You have been an excellent team player, and we surely appreciate the quality of the building (Fairmont State University Education and Health Careers Building) you helped develop."

Robert J. Dillman
President
Fairmont State University

Scan the 2-D code with your smart-phone for additional

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Corduroy Inn
Lodge Addition and Renovations

Corduroy Inn
Snowshoe, West Virginia
Ruby Dog Holdings

8,000 sf Inn Renovation
7,000 sf Kitchen/Restaurant Renovation
1240 sf Hearth Room Addition
895 sf Café Addition
Construction Cost: $7.3 Million

12 Guest Rooms

The Vantage Inn at Snowshoe Mountain Resort was among the first destinations to be built atop Cheat Mountain. The property later housed a pub as well as what was widely considered one of the finest restaurants in the state of West Virginia. The site is ideally situated slope side, just steps away from the highest vertical drop in the Southeast and Mid-Atlantic, and a short walk from the main village.

Over the last several years, the restaurant had gone vacant and the inn had fallen into disrepair. In 2013, a family purchased the property with a vision to transform the inn into a boutique hotel and return the restaurant to its once prominent form and function. Named for the resulting pattern of freshly groomed snow, the Corduroy Inn has quickly become a premier destination on the mountain.

The design challenge was to unify all three structures on the site to establish an organization of form and space to be both functional and inviting. Of prime concern to the owner was the addition a hearth room for the inn and a separate café for the restaurant.

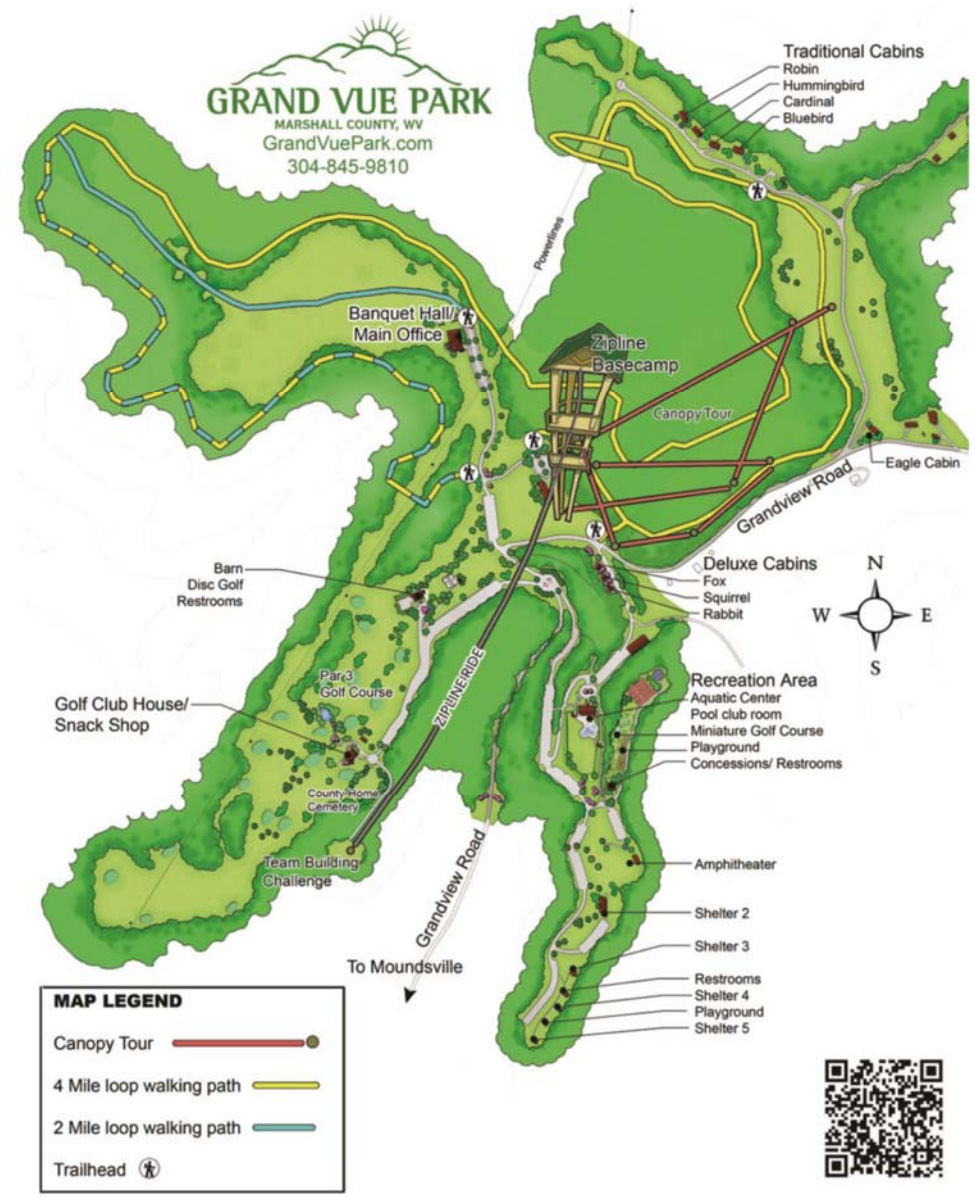
The solution included strategic demolition of a portion of the existing building on the Snowshoe Drive side. Three distinct entry elements were created at that frontage: one to accept visitors and guests for the Corduroy Inn, one for the adjacent café, and a tower element that leads patrons through a courtyard entry into the newly established restaurant which is tucked into the far corner of the property. Heavy timber, stone and fiber cement siding unify the buildings and marry the contemporary rustic style of the exterior to the new and renovated interior spaces.

The interior design of Corduroy Inn is an elegant blend of modern style and rustic charm. In the Hearth Room, an expansive stone fireplace is flanked by custom-designed bookcases featuring sliding barn doors. A white-washed tongue and groove ceiling provides striking contrast for heavy, dark timber trusses. Porcelain tile plank flooring provides the look of wood flooring with the durability and slip resistance necessitated by snowy boots.

The twelve existing guest rooms were completely renovated. Multi-view, direct-vent fireplaces provide a focal point that separates living and sleeping spaces while unifying the open floor plan. Headboards constructed of reclaimed barn wood add a touch of rustic charm juxtaposed by modern amenities that include fine bed linens, quartz countertops, and heated porcelain tile floors. The result is upscale rustic elegance, a warm and inviting space with modern amenities.

Services provided by Omni included architectural and interior design as well as engineering services.

Grand Vue Park



Grand Vue Park
Moundsville, West Virginia
Marshall County Parks & Recreation

Phase I
Master Plan

- Inventory of Existing Spaces
- Visioning and Programming
- Well Pad Impact Analysis
- Conceptual Planning
- Final Master Plan

Additional Services

- Schematic Design of Vertical Amenities
- 3D Color Renderings

Phase II
Implementation of Master Plan

Grand Vue Park park sprawls out over 650+ acres with vast views into the Ohio River Valley. Park leaders have branded the park as a relaxing family getaway and a high adventure haven, building off the heights and views of the natural landscape.

This project includes a Phase I master planning and feasibility study for the existing park. As a direct result of the Phase I study, the park is moving forward with several specific projects. The existing visitor and conference center will be renovated to meet the park's projected growth. Designs are also being developed to expand the high adventure activity zone within the park. Additionally, new cabins will nestle among the foliage at the ridge line providing guests with a unique lodging experience.

The design challenge throughout the park is to achieve a functional, economical solution that conveys the distinctive theme that can only be found at Grand Vue Park.

Twin Falls Resort State Park
Lodge Addition and Renovations

Twin Falls Resort State Park
Mullens, West Virginia
West Virginia Department of Natural Resources
Parks and Recreation Division

28,000 Square Foot Expansion
Construction Cost: $7.3 Million

27 additional rooms
New Guest Services, Main Lobby, Indoor Pool, Fitness Area, and Courtyard. Improved Gift Shop and Enlarged Conference Rooms.

Omni Associates – Architects was selected by the West Virginia Division of Natural Resources Parks and Recreation Division to design a new wing adjoining the Twin Falls Resort State Park lodge. According to Twin Falls State Park Superintendent Scott Durham, the changes at Twin Falls mark the park's maturing and coming into its own. "The architects have done a wonderful job putting together two dramatically different styles and preserving both."*

With the expansion project, the guest capacity has more than doubled, from 20 to 47 rooms. Other changes include a new courtyard, a transformed lobby, an indoor pool and fitness area, an improved gift shop, and enlarged conference rooms. Accessibility was also a design consideration. Although the original structure's multitiered steps present an obstacle for some guests, the new wing is fully accessible. The entrance to the new addition is on the same level as the restaurant and primary conference area, and an elevator provides easy access to other floors.

Although the new lodge is different architecturally, Omni Associates aimed to ensure it was compatible with the original. In 1967, Walter Gropius, the father of modern architecture, led The Architects Collaborative (TAC) in the design of the lodges at Twin Falls Resort, Hawks Nest, and Pipestem Resort state parks. The modernist style eliminates ornamentation and uses steel, glass, and concrete. The original Twin Falls lodge has a flat roof and box shape, while the new addition has a more Alpine appearance, with a peaked roof and exposed timbers. The original building was not altered in this expansion, except where the two sections join. Matching brick was used in the new structure for continuity between the two buildings. The original lodge's architectural details, such as railings and windows, harmonize with those elements in the new structure.

Following the park's tradition of using names from nature to identify its structures, the original Twin Falls lodge is now designated as the Monarch wing, after the state butterfly. The new addition is the Cardinal wing, after the state bird.

AIA West Virginia

HONOR AWARD

FOR EXCELLENCE IN ARCHITECTURE

Rimfire Lodge
Snowshoe Mountain Resort

Snowshoe Resort, an Intrawest Development resort property, teamed once again with Omni Associates – Architects for architectural services in connection with Rimfire Lodge, the first phase of the renaissance of Snowshoe Mountain Resort. Omni Associates was the coordinating architect for the sizable staff of professionals stretching from Vancouver, BC to Washington, DC. The 112,00 square foot facility is a hub of activity in the mountaintop village. The rustic center houses retail shopping, bar and nightclubs, and restaurants, as well as luxurious condominiums. It boasts a Beautiful 360-degree view of the scenic West Virginia mountain scheme.

Snowshoe is the largest ski resort in the Mid-Atlantic and Southeastern regions of the United States, with an annual skier visit count that puts the resort in the top five percent of ski areas in North America. Snowshoe/Silver Creek Resort was recently ranked by Snow Country Magazine as one of North America's Top 50 Mountain Resorts. Omni Associates is both excited and appreciative of our involvement with Snowshoe and with such a progressive and aggressive company as Intrawest.

Rimfire Lodge
Snowshoe Mountain Resort
Owner: Intrawest
Snowshoe, West Virginia
112,000 Square Feet
Ray Letkeman(Collaborating Architect)
RLA, Inc., Vancouver, BC

Honor Award
Excellence in Design
West Virginia Society of The American Institute of Architects

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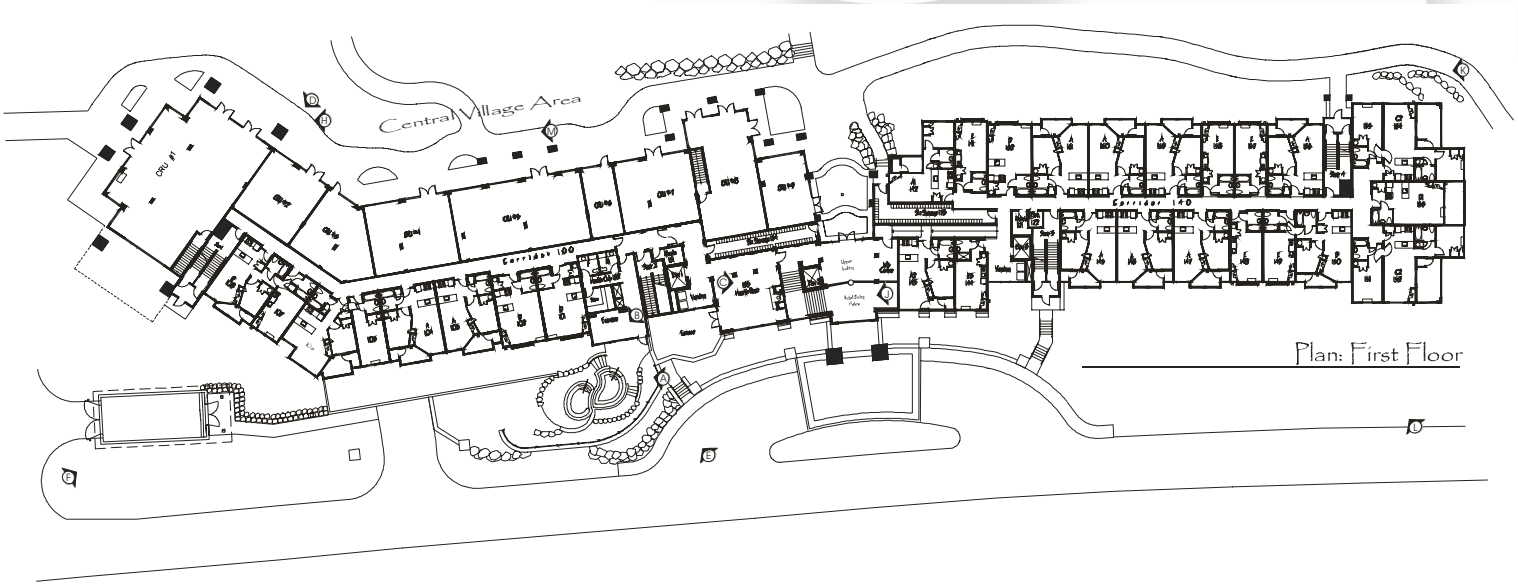
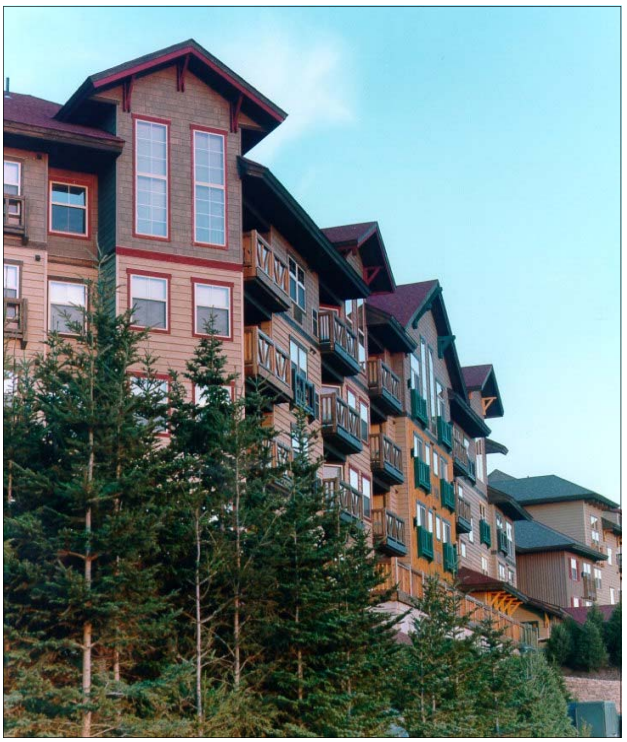
Rimfire Lodge
Snowshoe Mountain Resort

Rimfire Lodge
Snowshoe Mountain Resort





The Story:

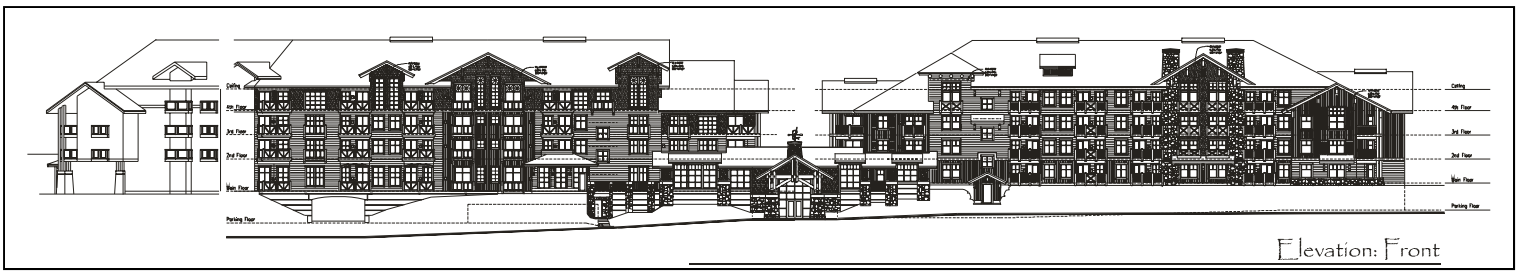
The new Owners of a major mountaintop resort were about to launch a major full-scale real estate adventure. They were in search of a "New Mountaintop Identity" for a resort that had been in and out of bankruptcy for the last 25 years. The new Owners knew they had a major hurdle to overcome with the problematic history the resort had experienced with developers and the real estate market on the mountain. Many of the prior developers had been from coastal areas and from southern states. Consequently, the condominium projects on the mountain had the appearance of "stack-a shacks" seen at the beaches of the East Coast.

Not only a new image was needed, but also a new concept was essential. The ski market was strong and there were many people, mostly from the Southeast, still coming to the resort for some wintertime recreation. The goal would be to offer more than just winter sports and to be markedly distinct in the new architecture. The Owner wanted a whole new experience presented for total digestion. The existing condominium projects were all stand-alone experiences and spread over a 2-mile stretch of mountain. There was no identity, no sense of arrival and no communal spirit. All that existed were individual buildings totally unrelated to each other.

Rimfire Lodge
Snowshoe Mountain Resort

The architecture was to introduce a “New Mountain Style” unlike anything previously seen in this area. It would be the critical introduction of a new Developer and a statement that this developer was a partner and here to stay. It was critical to impart a sense of commitment and permanency. It was to offer the southern buyer a “place in the mountains”.

After much analysis and many design charrettes, a concept was initiated to give the mountaintop a central village area that would be a gathering place in both winter and summer. The village would offer a sense of identity and a place of arrival. It would offer commercial space for shopping, gathering, a



place for activity and would also offer real estate for sale within the village proper. People wanted to see activity, a place of their own and to be a part of the activity. The concept would include a series of lodges comprising a village that would appear to be one that had grown over time.

The initial lodge was critical in presenting a concept to the users and buyers. It had to instill the theory of the concept on a small scale until the rest of the village was begun. It was to appear as if it had been built in two different eras. Part of the lodge was to be more rustic and rudimentary in appearance as if built in an earlier time; the other part was to appear as a later addition tied to the old lodge by a connecting lobby. One side of the lodge offered spectacular views to the west. The other side offered a view of the village and its activity. The new lodge was also to be sited to offer protection to the village gathering areas from the ever-present westerly winds and fierce weather.

An economy of construction was necessary due to the real estate price points established. The appearance of the two halves would be differentiated in the details. The success was verified in the volume of real estate sales enjoyed.

Rimfire Lodge

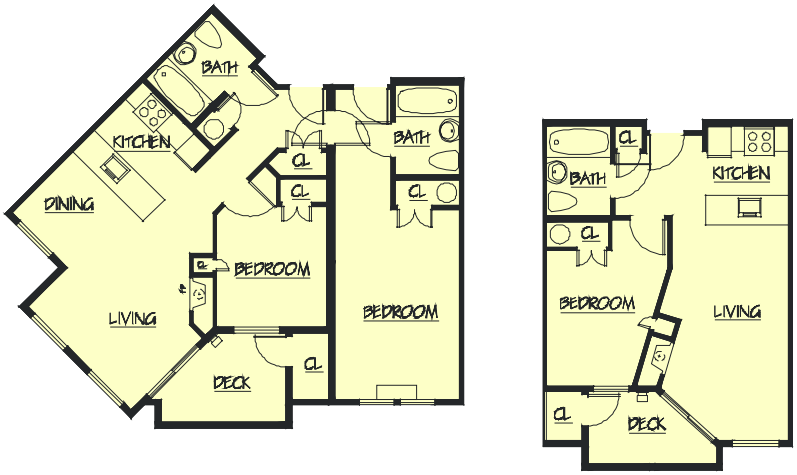
Snowshoe Mountain Resort / Intrawest

Building Amenities

- Located in Ski-in/Ski-out village
- Rustic exterior timber beams & columns
- Private underground parking
- All units have locking owners closet
- Vinyl wall coverings in hallways
- Ski lockers
- Laundry facilities
- "The Basin" - Private hot tubs in landscaped setting
- "Alpenglow" hearth room with rustic stone & wood detailing
- Sprinkler fire protection system throughout building
- Covered decks & patios
- Exterior stone accent & detailing
- Private sauna & workout room
- Wood unit entry doors
- Air conditioning
- Mountain bike storage

Elegant Interior Features

- Natural wood baseboards and window trim bedrooms
- Knotty pine kitchen cabinets
- Full size, built-in dishwashers
- Spacious closets with vinyl coated shelving



- Easy care laminate countertops with wood trim
- Designer pedestal sinks in baths
- 4-burner range with self-cleaning oven in full kitchens
- Convection-microwave oven in Jr. studio units
- Energy efficient gas fireplaces with solid wood mantel & tile surround
- Built-in over-the-range microwave
- Raised panel interior doors
- Berber Carpet in living area & Ceramic tile flooring in kitchens & baths
- Tile backsplash in kitchen
- G. E. Appliances
- Convenient data port outlets
- Garbage disposal

Camp 4 Condominiums
at Snowshoe Mountain Resort

CAMP 4

Intrawest, one of North America's leading resort developers, teamed up with Omni Associates – Architects to design the first real estate offering at Snowshoe Mountain Resort in over a decade.

Camp 4 Condominiums

Snowshoe Mountain Resort
Snowshoe, West Virginia
One, Two, & Three Bedroom Homes

Camp 4, named in honor of the last logging camp in the Black Run area of Snowshoe, was developed into an exclusive ski-in, ski out community featuring spectacular mountain vistas. All of the three-story buildings in Phase One incorporate rugged architectural elements reminiscent of the old logging camps of the 1900s, such as peeled logs, stone accents, and broad wood beams

Spacious one, two, and three bedroom homes consist of inviting living areas with fireplaces, stone hearths, contemporary kitchens, pinewood accents and plenty of natural lighting. The three bedroom residences boast a luxurious master suite with a fireplace.

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Ravenswood Lodge
at Snowshoe Mountain

Ravenswood Lodge
Employee Housing
Snowshoe Mountain Resort
Snowshoe, West Virginia

Building One:
20 - Three Bedroom Units
18,853 Square Feet

Building Two:
17 - Three Bedroom Units
16,405 Square Feet

Total Project:
37 - Three Bedroom Units
35,258 Square Feet

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Omni Associates - Architects, Inc.

Mountain Conference Center at Snowshoe Mountain Resort

Snowshoe Mountain Resort
Mountain Conference Center
Snowshoe, West Virginia

Omni Associates-Architects have worked on a variety of projects at Snowshoe Mountain Resort. One of the first projects was the welcome center at the base of the mountain.

Although the resort consisted of several different and distinct facilities and condominium projects not designed by Omni Associates, the owners relied on Omni to outline and implement a fire safety renovation program for all of the company-owned facilities. Individual home owners associations have retained Omni Associates to outline and implement major weatherization programs due to our knowledge of the local conditions peculiar to the mountaintop climate.

Omni Associates designed the Mountain Conference Center with views to the ski slopes and surrounding countryside. Future condominiums and a base lodge were planned by Omni to expand on what is already one of the state's largest ski resorts.

St. Bernard Chapel
at Snowshoe Mountain Resort

Merit Award
West Virginia Society
of The American Institute
of Architects

St. Bernard Chapel
Snowshoe, West Virginia
Owner: Wheeling / Charleston
Catholic Dioceses (West Virginia)

Construction Cost: $1.575 Million
Main Floor: 4,540 Square Feet
Lower Floor: 4,110 Square Feet
Total: 8,650 Square Feet

Multi-denominational Use
166 Seat Worship Area
plus 70 Seat Overflow Area

Baptismal Font

Multi-denominational use

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St. Bernard Chapel
at Snowshoe Mountain Resort

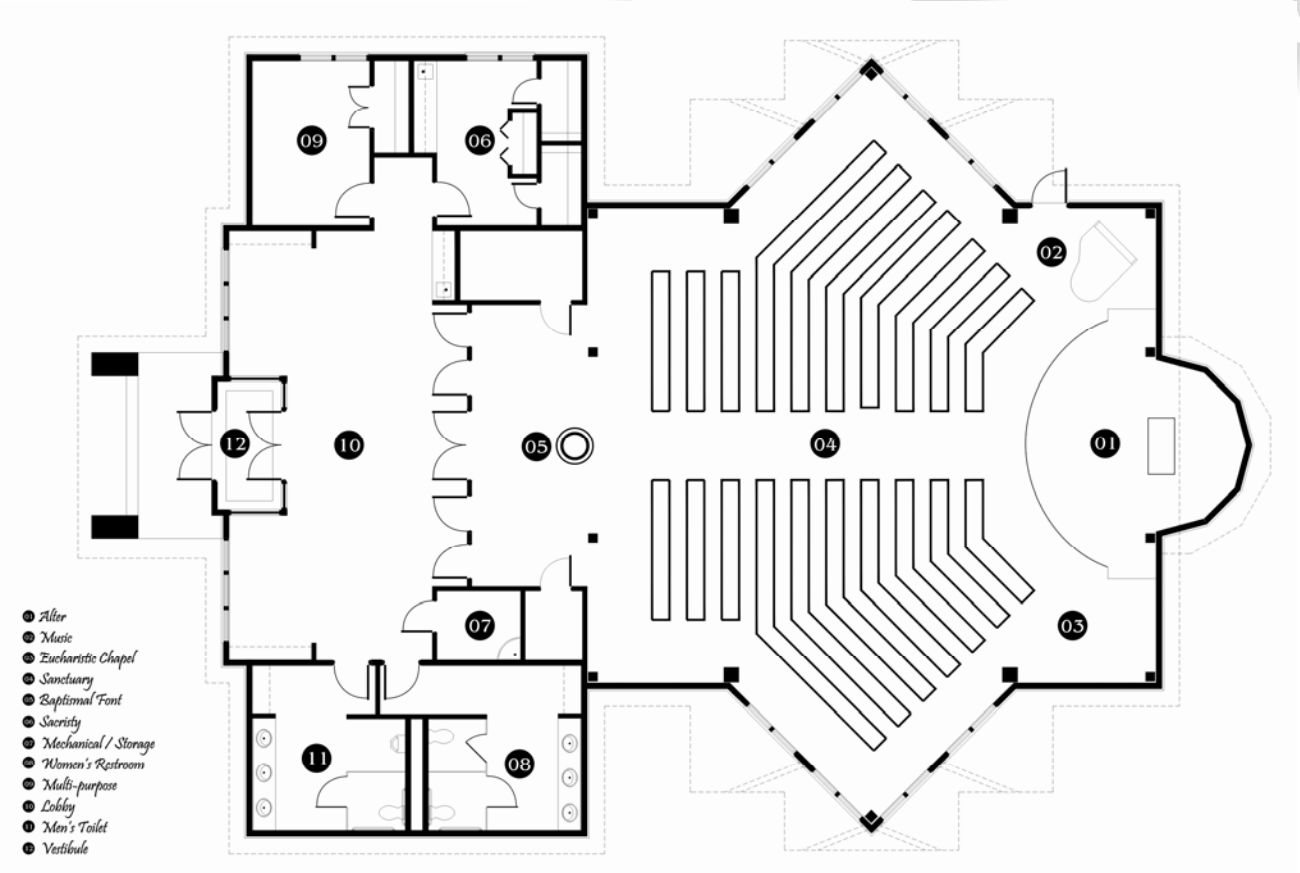
Snowshoe Mountain Resort was well on its way to the total redevelopment of the ski resort into a community availing itself of the natural beauty of scenic views of mountains and forests while providing for all the needs of its guests and residents due to the resort's remote mountain location. The owners, recognizing the need for a place of worship, undertook a joint effort with the Catholic and Episcopal Churches of West Virginia to provide a chapel for Catholic and non-denominational worship. A project with three owners provided a unique challenges and opportunity for design, as each had their own priorities which need to be evaluated in conjunction with a very small budget.

The location and visibility of the chapel was of prime concern for the developers. The development of the resort area includes a pedestrian "main street" from which all activities are focused and where the movement through the resort takes visitors through a sequence of spaces. The site had to be part of this configuration of movement and, as with many small communities, it must also be a place of visual prominence. Ultimately the site that was chosen was the culmination of this movement at its highest point, which allowed immediate visibility

Given the small community theme and the rural location, the developers wanted a recognizable form – nothing more than a "Country Church". The exterior forms and shapes needed to be simply stated with minimal ornamentation that would be immediately recognizable yet fit with in the context of the development.

The Catholic and Episcopal Churches' priority was to inspire a sense of awe, a sense of familiarity, and a sense of intimacy. The lighting and religious appointments combine a sense of awe with the comfort of familiarity. The interior configuration creates an effect of informal intimacy as the seating wraps around the altar providing opportunity for interaction among the congregation as well as with the pastor. The volume and visual imagery created by heavy timber construction provide for the wonderment of the space while maintaining the vernacular of a mountain lodge. The overall effect is an image of noble simplicity.

St. Bernard Chapel
at Snowshoe Mountain Resort



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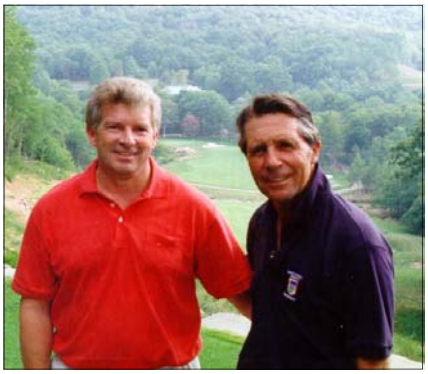
The Raven Golf Course Clubhouse at Snowshoe Mountain Resort

The Raven
(formerly know as Hawthorn Valley)
Golf Course Clubhouse
Snowshoe Mountain Resort, WV
Interior: 11,038 Square Feet
Deck: 2,000 Square Feet



Stephen Barnum, AIA, club house architect photographed with course designer, Mr. Gary Player

AIA West Virginia

HONOR AWARD

FOR EXCELLENCE IN ARCHITECTURE

Honor Award
Excellence in Design

West Virginia Society of The American Institute of Architects

Omni Associates-Architects designed a new golf clubhouse for the 18 hole Hawthorn Valley Golf Course recently completed and designed by Gary Player Associates. The entire building is surrounded by spacious decks which capture the views of the golf course and mountain vistas. The exterior decks and screened-in porches offer restful relaxed spaces to enjoy the mountain air.

The construction was performed on a fast track basis allowing the Owner to start construction in early March with an ambitious July completion date. The Contractor, Branch & Associates, with whom Omni Associates had a very rewarding working relationship, completed the project on time and on budget. The successful team relationship of The Owner, The Contractor, and The Architect made this project not only successful but also enjoyable. The completion of the clubhouse is another of the many projects Omni Associates has enjoyed at Snowshoe Mountain Resort.

The Raven Golf Course Clubhouse at Snowshoe Mountain Resort

- Golf Digest - 13th Hole listed on the top 18 holes in the nation
- Golf Digest - Ranked #86 in the nation's top 100
- Golf Week - Ranked #1 in W. Virginia
- GCSAA - Environmental Steward Award
- Golf Week - 2001 Top 100 Modern Golf Courses - #62
- Golf Week - 2002 - Top 100 Modern Courses, #54
- Golf Week - #1 Public Access Course in West Virginia

The Pete Dye Golf Club Clubhouse

Pete Dye Golf Course Clubhouse
Bridgeport, West Virginia
41,183 Square Feet

Officially opened in 1995, the Pete Dye Golf Club is ranked as the 2nd Greatest Golf Course of the Modern Era. Called the "Shangri-la of Golf" by one journalist, the course reflects a true integration of the game and the environment.

The course features remnants of coal mining activity, including exposed, strip mined high walls, a rotary car tipple, coal -laden mine cars, a cart path through a once active deep mine, and waterfalls that originate from deep mining activity of days gone by.

The Pete Dye Golf Club is a private golf club retreat with membership by invitation only. Corporate and individual members from 25 states and 5 countries form the core of the Club's membership.

In keeping with a traditional golf club concept, the club's amenities include a practice facility, clubhouse and lodging. The practice facility covers 35 acres and includes multiple teeing areas, both green side and fairway practice bunkers, putting greens, pitching and chipping areas, and private teaching areas. The 24,000 square foot clubhouse offers spectacular views of the course complete with private meeting and dining experiences. Members and guests staying overnight can choose from a variety of well-appointed lodges and townhouses, all within walking distance of the clubhouse.

(Source: http://www.petedye.com/aboutus.cfm)

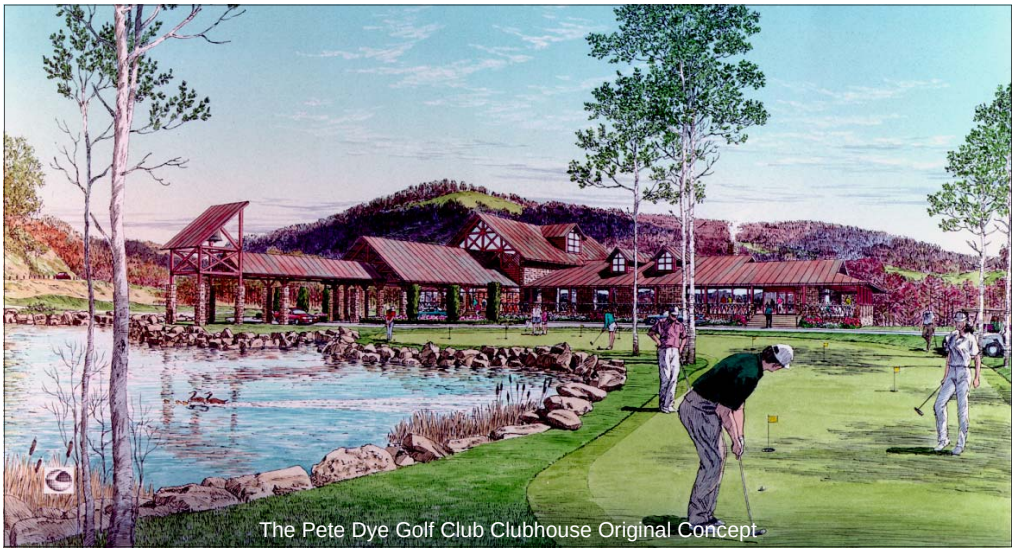
The Pete Dye Golf Club Clubhouse

"Rustic Elegance is the conceptual theme for th e new club hou se and has bee n derived fro m the artistic images of Pete Dye's creation."

Stephen A. Barnum, AIA
Clubhouse Architect (photo left)

"I am very proud of this course and believe it will be recognized as one of the great golf courses of the world. This golf course is a very special place."

Pete Dye
Course Architect (photo right)



The Pete Dye Golf Club Clubhouse Original Concept

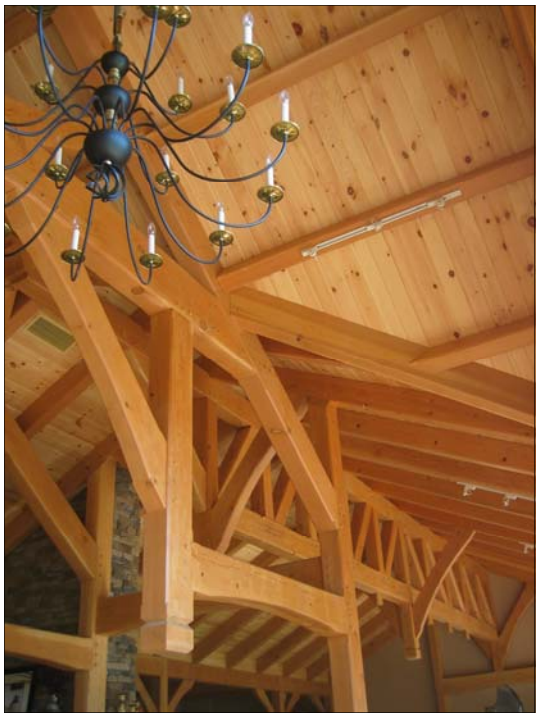
Mr. Barnum's original concept for The Pete Dye Clubhouse remains his favorite. It was "a clubhouse that would only work there", with touches of the "Rustic Elegance", like the course itself. "The course has a strong connection to the mining industry and the Club-house should as well". "A rusty roof, rust stained stone and rough timber accents should dominate the building."

The Pete Dye Golf Club Clubhouse Secondary Concept

Stonewall Resort Golf Clubhouse

An Arnold Palmer Signature Course

Stonewall Resort Awarded "Top Ten" Best New Course in North America



Stonewall Resort is part of a $50 million public-private project that was 25 years in the making and includes a handsome Adironack-style lodge set along the shores of a 26-mile-long lake that holds trophy muskellunge.

Marked by rolling hills and a maze of valleys, the all-bentgrass golf course is backdropped by forested knobs and broken peaks characteristic of the Mountain State. The greens, many of them elevated and small to medium in size, are among the most subtly contoured surfaces Palmer Course Design has produced. The back nine departs the lakeshore grove of old pecans planted by a

Stonewall Resort
Golf Clubhouse
An Arnold Palmer Signature Course
Roanoke, West Virginia
8,044 Square Feet

Timber Frame Consultant:
Sunset Structures LTD

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Stonewall Resort Golf Clubhouse

An Arnold Palmer Signature Course

Southern homesteader more than 100 years ago. These pecans, along with a creek and wetlands, divide the fairway at the clever par-five 12th, while the par-four 15th occupying the high point of the course, looks like a stretch of the Blue Ridge Parkway paved with turfgrass -- mountains and ridges as far as the eye can see, with nary a home in sight.

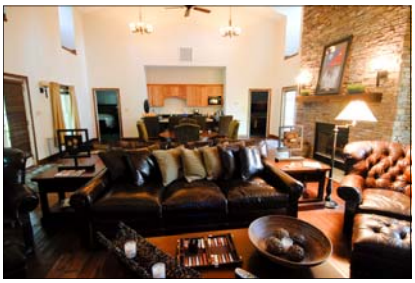
Stonewall, which builds in interest and elevation as the round progresses, brings players home via the majestic par-five 18th, which climbs uphill to a well-bunkered green set in an amphitheater. [**Source:** Brian McCallen, *Golf Magazine*, March 2003]

The clubhouse is a warm, inviting, two-story Adirondack-style timber frame structure situated atop the resort's highest point. Large post-and-beam timbers and stone were used both in the entry and throughout the facility. Lightburn's, a 65-seat, glass-enclosed full service restaurant, occupies the top level and offers breathtaking views of the lodge, golf course, cottages and lake. A wide veranda encircles the upper level and offers the option of outdoor dining. The professional shop is located on the lower level. The clubhouse also includes a lounge, tournament staging areas, and men's and ladies' locker areas with changing rooms and shower facilities.

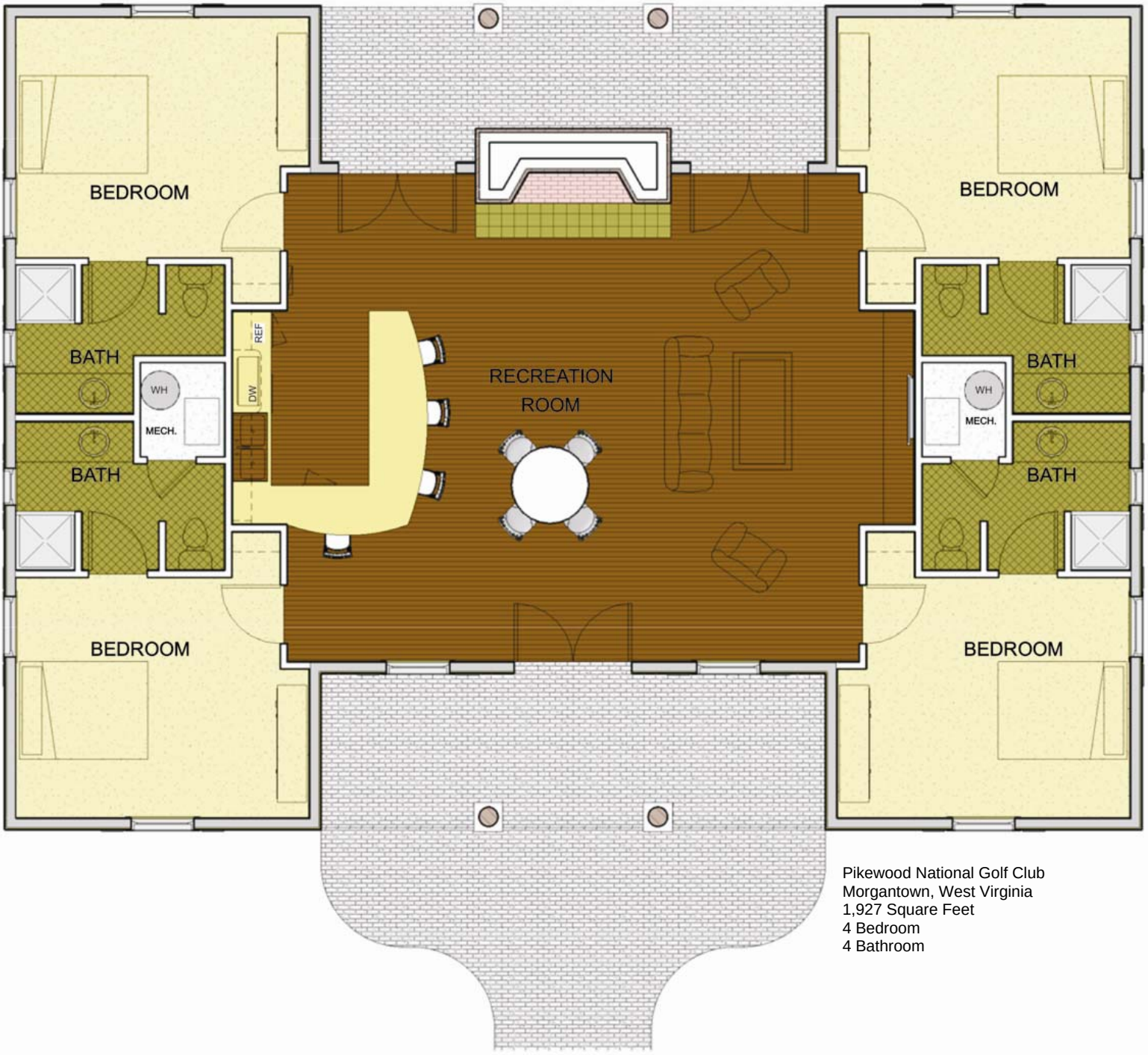
Pikewood National Golf Club
Executive Golf Cottages

Pikewood National Golf Club
Executive Golf Cottages
Morgantown, West Virginia
Construction Cost: $346,350

1,927 Square Feet
4 Bedroom / 4 Bathroom



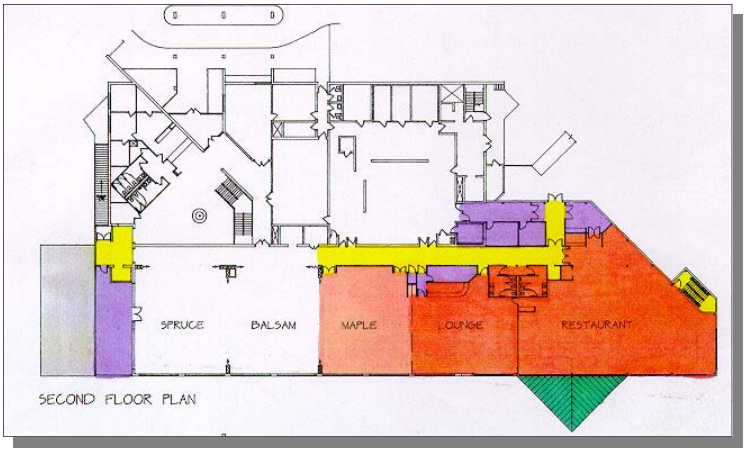
Pikewood National Golf Club Cottages

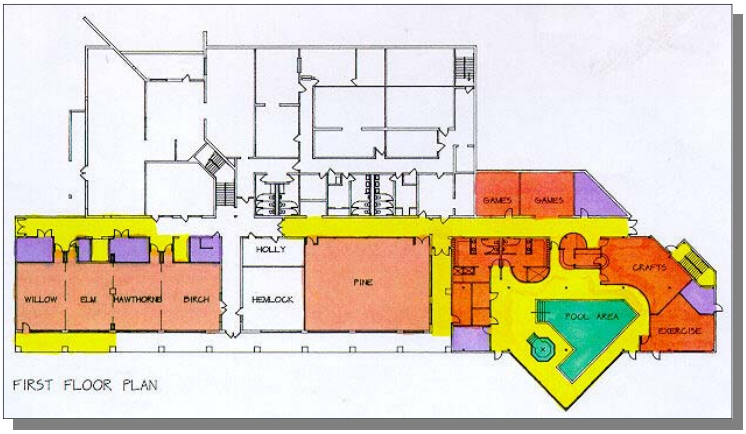


Pikewood National Golf Club
Morgantown, West Virginia
1,927 Square Feet
4 Bedroom
4 Bathroom

Canaan Valley Resort State Park

Canaan Valley
Resort State Park
Main Lodge Addition
Davis, West Virginia
Addition: 18,000 SF
Renovation: 9,400 SF





Omni Associates– Architects designed an 18,000 SF two story addition to the Main Lodge at Canaan Valley State Park. The project was a “fast track” design in which portions of the building were under construction while the final design and construction drawings were being completed.

The addition was designed to incorporate a new indoor pool, enlarged restaurant, expanded kitchen facilities, exercise room, game rooms, and additional conference rooms. Sensitivity to the original design of the building as well as maximization of the view of the park was of utmost concern.

The design also included 9,400 SF of renovated space within the existing building while the operation of the Lodge was maintained. Renovations included conference rooms, break-out rooms and lounge.

Ski Base Lodge
at Canaan Valley Resort

Ski Base Lodge
Canaan Valley Resort State Park
West Virginia
21,000 Square Feet
$2 million
Park Operated by: Guest Services, Inc.

Omni Associates – Architects, Inc. was commissioned to design and administer construction for a new 21,000 square feet ski base lodge to replace two existing facilities at Canaan Valley Resort. Canaan is a state park in West Virginia. The existing facilities, no longer capable of handling the resort's growing requirements, remain in use to accommodate a new slope-side pub, overnight storage, day-use lockers and ski offices. The $2 million lodge is situated on the site to allow easy access of all three buildings for its guests.

The two-story structure accommodates facilities for Canaan's growing number of guests. The main floor accommodates lift ticket sales, ski and snowboard rental areas, and retail space. The dining area, located on the second floor, can accommodate 500 skiers. Future plans include a deck, located off of the dining area, to act as a gathering area for guests.

A major goal of the new facility was to create a fluid traffic flow for skiers to enter the main entrance of lodge and allow easily access the slopes. This was accomplished by creating "traffic patterns" for guests solely purchasing lift tickets and those who wish to rent skis or snow boards. A pedestrian area was also created with the placement of the new lodge in relationship to the two existing facilities.

The pre-engineered steel structure possesses a "rustic" look, which is emphasized by a variety of building materials. The exterior façade is comprised of a metal roof, stone, and vertical wood shake siding. The dining area also includes a stone fireplace with exposed wood trusses and a vaulted ceiling. A clock tower, housing an interior elevator, is used as a key building design element.

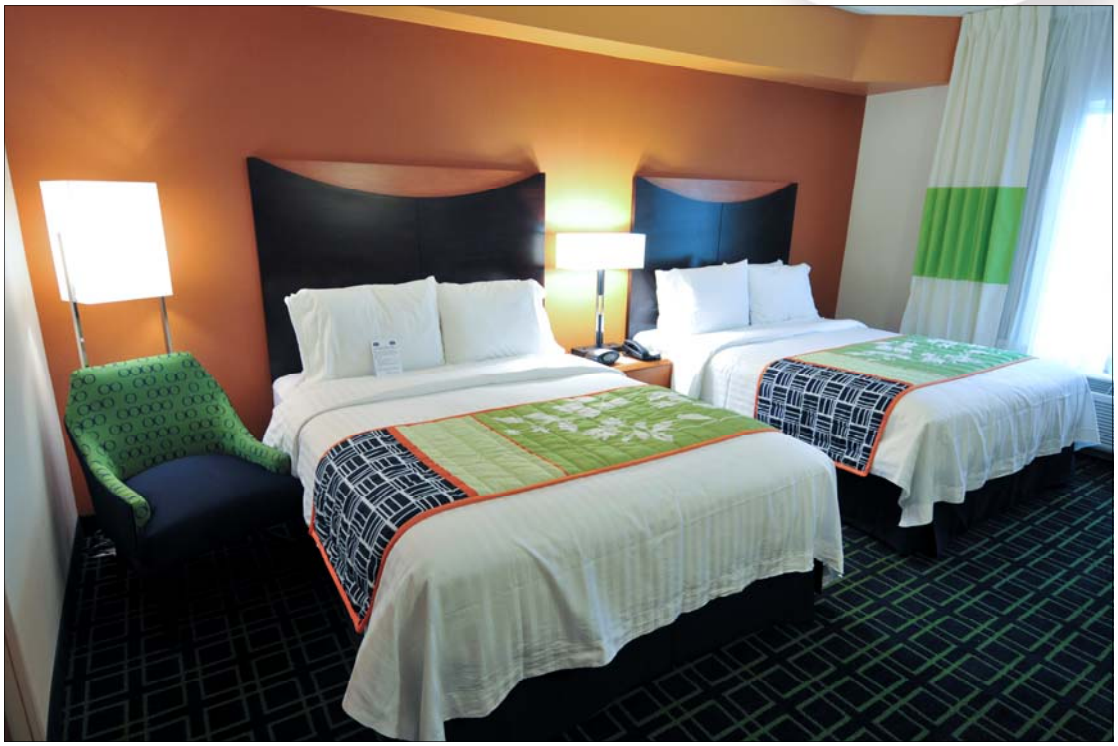
Fairfield Inn and Suites - Morgantown, WV

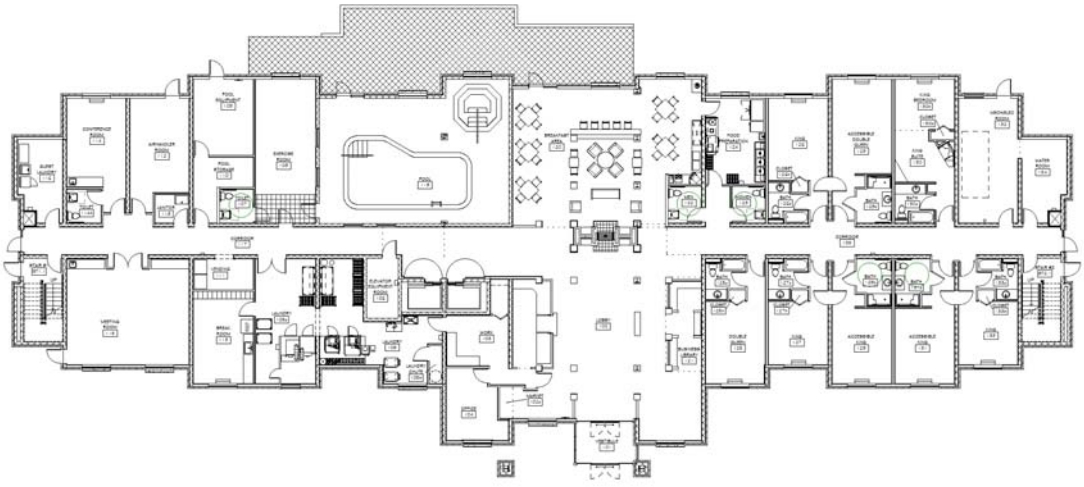
Fairfield Inn and Suites
Morgantown, West Virginia
Construction Cost: $5,881,037
Construction Completion: 2010

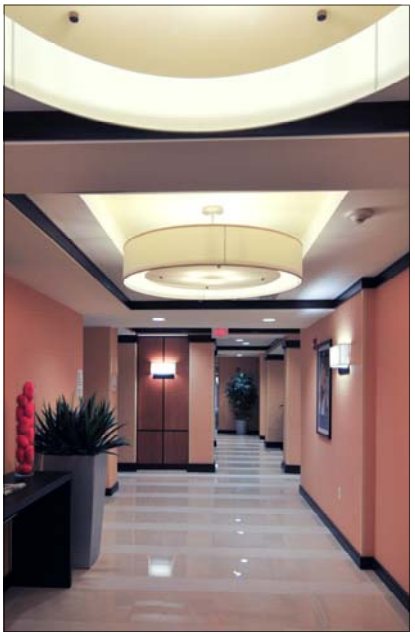
4 Floors
56,128 Square Feet
95 Sleeping Units

Indoor Swimming Pool / Jacuzzi
Meeting Room
Conference Room
Dining Area
Fitness Room
Business library

Fairfield Inn and Suites - Morgantown, WV







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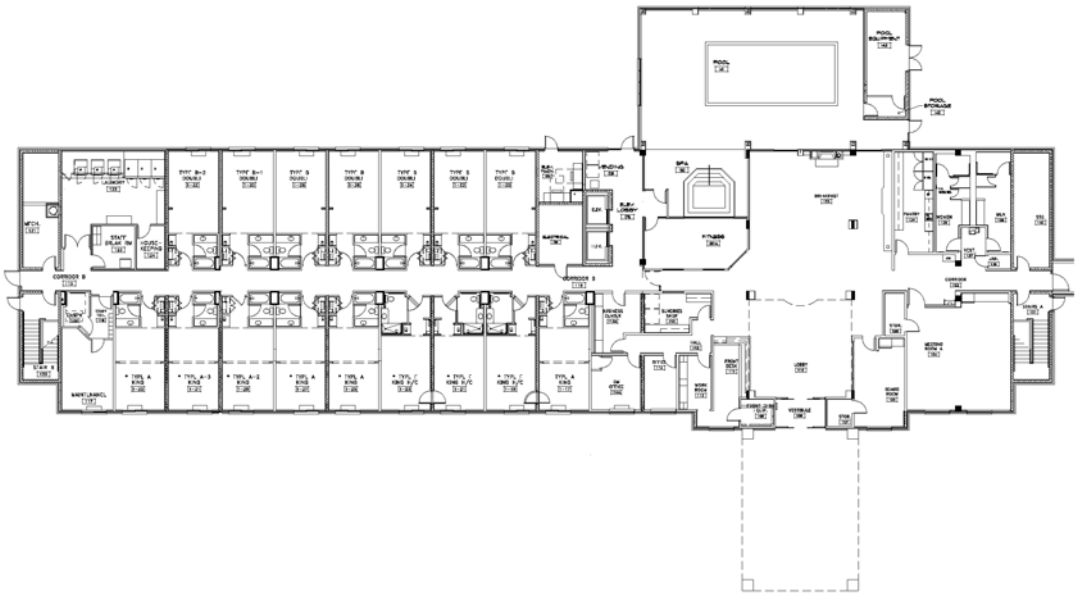
Wingate Inn - Charles Pointe, WV



Wingate Inn
Charles Pointe, West Virginia
Construction Cost: $6,337,000
Completed:

4 Floors
63,670 Square Feet
116 Sleeping Units

info@omniassociates.com 304.367.1417 www.omniassociates.com Omni Associates - Architects, Inc.

Riverview at Clendenin School

Preservation Alliance of West Virginia
2011 Historic Preservation Award

Omni Associates – Architects was chosen by Kentucky-based developers AU Associates to design the historic preservation, renovation, and conversion of the historic Clendenin School into a mixed-use building. Riverview at Clendenin School opened in October 2011 with two main uses: a non-profit community health center and 18 units of safe, quality, affordable housing for seniors. The health clinic includes an onsite dentist, radiology department, fully stocked pharmacy and physical therapy center. The project was recognized by the Preservation Alliance of West Virginia for "Best Use of Tax Credits."

Completed in 1912, Clendenin Middle School was originally known as the Big Sandy District High School. The building attests to the early twentieth century growth of public education in the state. The town of Clendenin was the first community in West Virginia to take advantage of a new law allowing Boards of Education to sell bonds for school construction. For the sum of $35,000, the Board of Education built a marvelous Neo-Classical Revival building that represented the aspirations of a growing community. In 1996, the school was listed on the National Register as part of the Clendenin Historic District. In 2002, the school closed its doors and remained vacant and for sale until August 2004, when the school board donated it to a local economic development group, "25045—A New Clendenin," formed in 2003 to revitalize the historic town. * Many people in the area wanted to see the building torn down, saying it would never again serve the community, but commitment by the community to utilize the historic structure drove the project.

Funding for the renovation came from a combination of local, state and federal funding, with large portions coming through federal economic stimulus money, including a $2.7 million grant from the West Virginia Neighborhood Stabilization Program and $400,000 from the U.S. Department of Health and Human Services. Both grants were part of the American Recovery and Reinvestment Act. The U.S. Department of Agriculture is providing a $1.2 million loan for 40 years at no more than 4.5 percent interest. About $1 million in state and federal historic tax credits also will help fund the project.

*(source: http://www.pawv.org/endgrd05/clendenin.htm)

Riverview at Clendenin School

Clendenin, West Virginia
SF: 40,000
Cost: $5.5 Million

Total renovation and adaptive re-use of a three-story historic school building. The building is masonry bearing walls with wood floor joists.

Contact:
Ms. Terrell Ellis
Braxton County Development
PO Box 1925
Charleston, WV 26554
304-342-6972

First Ward School Apartments

With the recent success of, Riverview at Clendenin School, Omni Associates – Architects was again chosen by developer AU Associates to bring the Elkins First Ward School restoration and adaptive reuse project to fruition. With the help of AU, the project received funding from the West Virginia Housing and Development Fund in the fall of 2011. Ground broke in August 2012 to begin the renovation for 16 affordable one- and two-bedroom apartments. The exterior was completely restored to its early 1900s Georgian-Revival style, and many of the key interior features reminiscent of the school days have been retained and preserved. The building was opened to tenants in July 2013.

First Ward School was constructed between 1908 and 1909 as a facility to educate the children of Elkins' rapidly expanding population at the turn of the 20th century. Its design of is attributed to Fairmont Architect Andrew C. Lyons, who is credited with the design of two similar schools -- Elkins' Third Ward School and Fairmont's Fifth Ward School. First Ward is designed in the Georgian-Revival style and is constructed of locally available building materials, including hand-cut sandstone, brick, and native hardwoods.

First Ward was completed and opened for class in the fall of 1909.The eight room schoolhouse stands two-stories tall and has a full basement. The floor plan, very modern for its day, used a modified "H" and rows of large double-hung windows to flood the rooms in natural light for children's health. The floor plan also featured large open rooms, twin sets of staircases, and wide hallways. In 1910, First Ward School's modern design and architecture were highlighted in a publication by the WV Department of Free Schools on school architecture in West Virginia.

First Ward served as a school until 1976, when it was converted into a warehouse for the county school board Fortunately, changes were minor, but little maintenance had been done since. The board transferred the vacant and deteriorated building to a local civic group (C-HOPE), which obtained a grant to repair the roof and stabilize the structure with a deadline to rehabilitate the building for community use within five years. Funding sources for the project included equity generated by federal housing and federal and state historic tax credits (syndicated by Community Affordable Housing Equity Corporation), general partner equity, and a first mortgage from C-HOPE.

First Ward School Apartments

Elkins, West Virginia
SF: 27,000
Cost: $3 Million

National Housing & Rehabilitation Association
2013 J. Timothy Anderson Award for Excellence in Historic Rehabilitation

Preservation Alliance of West Virginia
2013 Historic Preservation Award

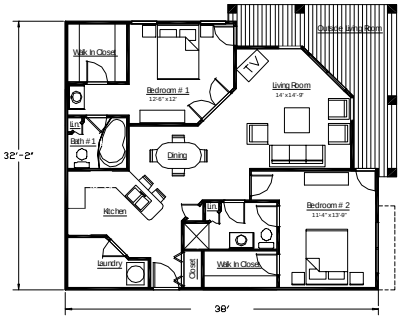
Owner's Representative:
Mr. Johan Graham
AU Associates
859.233.2009

Total renovation and adaptive reuse of a three-story historic school building.

Suncrest Village Luxury Condominiums

Suncrest Village Condominiums
Morgantown, West Virginia

1, 2, 3 and 4 Bedroom
Luxury Condominium Units
Secure Parking Garage



Suncrest Village is a premier luxury condominium community located in Morgantown, West Virginia. The owners planned the community as part of a live/work master development plan that includes Suncrest Towne Centre, a retail, professional office, and entertainment site located within walking distance from the residential community.

This gated community features lush landscaping, a resort-style pool and deck, clubhouse and recreational facility, fitness center, internet lounge and business center and a corporate boardroom for meetings. The luxury condominium units range in size from 650 to 1700 square feet and feature nine-foot ceilings with crown molding, oversized baseboards, fireplaces, bay windows with window seats, walk-in closets, and private decks.

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Volcano Island Resort

Volcano Island Indoor Water Park Resort and Conference Center is located in Fairmont , WV overlooking the Monongahela River valley.

The resort will be the most innovative, full service and inclusive resort in the area. With 300 suite style rooms, upscale and family restaurants, lounges, over 30,000 square feet of meeting and conference space featuring the areas largest most elegant ballroom, Volcano Island has something for everyone. The 50,000 sq ft indoor water park will showcase several slides to include a family raft ride and a water coaster. For the adventuresome, try your hand at surfing on the Flow Rider. During the summer season enjoy time at the "beach" alongside our outdoor wave pool or a float around the "endless" lazy river.

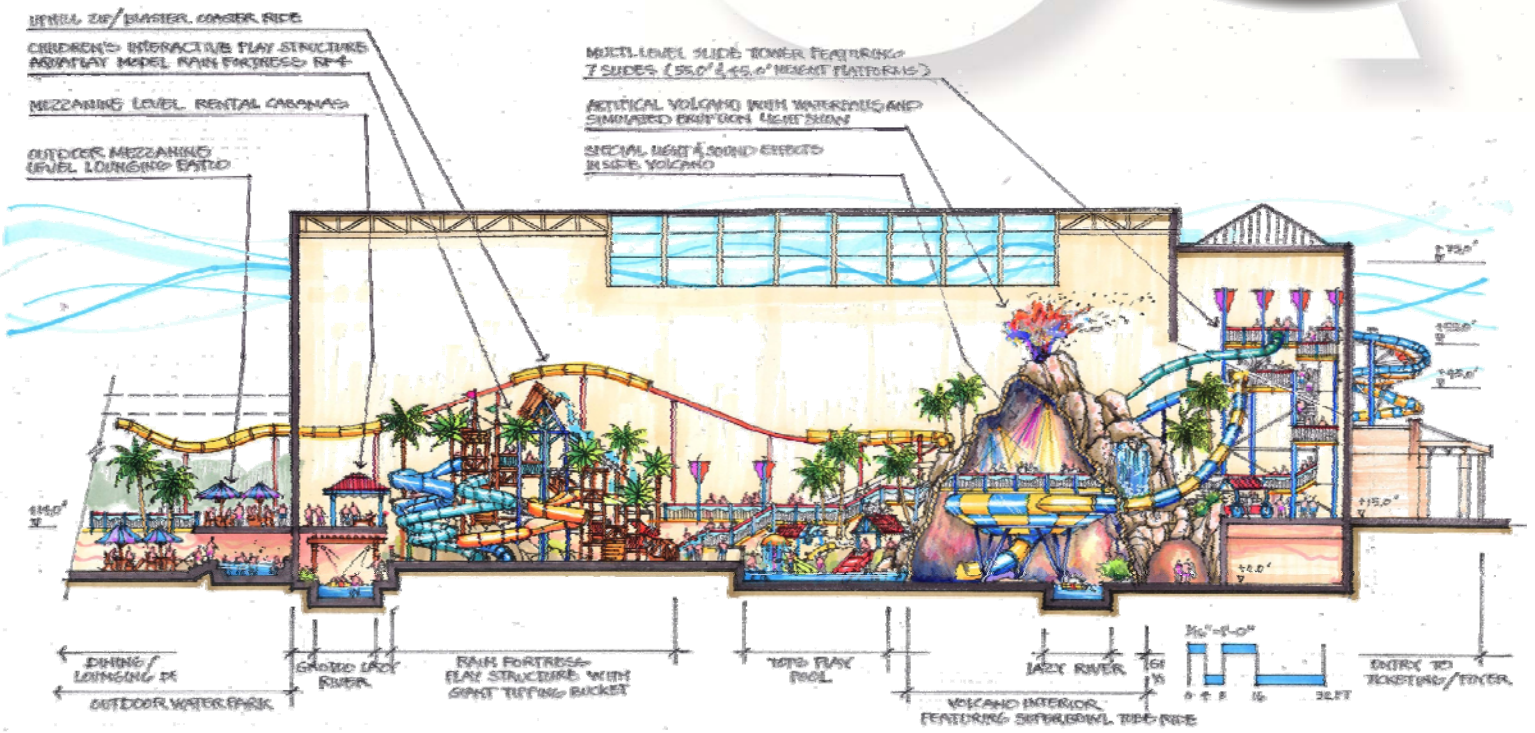
The conference center at Volcano Island Resort will feature over 30,000 sq ft of state of the art meeting and conference space. The Grand Ballroom will be the areas largest, accommodating up to 1,000 guests making it the perfect place for, conferences, social galas, weddings and fund raisers. A second ballroom will accommodate gatherings of up to 300 guests. Meeting planners will enjoy the ample and flexible breakout space featured in the conference center.

Connected to the conference center is 300 suites and Volcano Island Indoor Water Park Resort featuring over 50,000 sq ft of indoor water fun. After a long day of meetings your guests can enjoy a fantastic meal at one of the restaurants, relax in the lounge or spend time with their family at the year round indoor water park. [Source: http://www.volcanoislandresort.com]

Volcano Island Resort
Fairmont WV
$87 million
Square Footage: 415,000

Hotel: 300 Suite Style Rooms
Conference Center: 30,000 Square Feet
Indoor Water Park: 50,000 Square Feet

Volcano Island Resort



Features of the indoor/outdoor water park include:

• More than 50,000-square-feet of indoor aquatics areas open year round.

• Environmentally controlled air temperature is 86 degrees and water temperature of 84 degrees.

• 12 water slides designed for all ages.

• A flow-rider wave-making surf machine.

• A state-of-the-art water roller coaster that travels throughout the water park.

• A bowl slide enclosed in an erupting volcano.

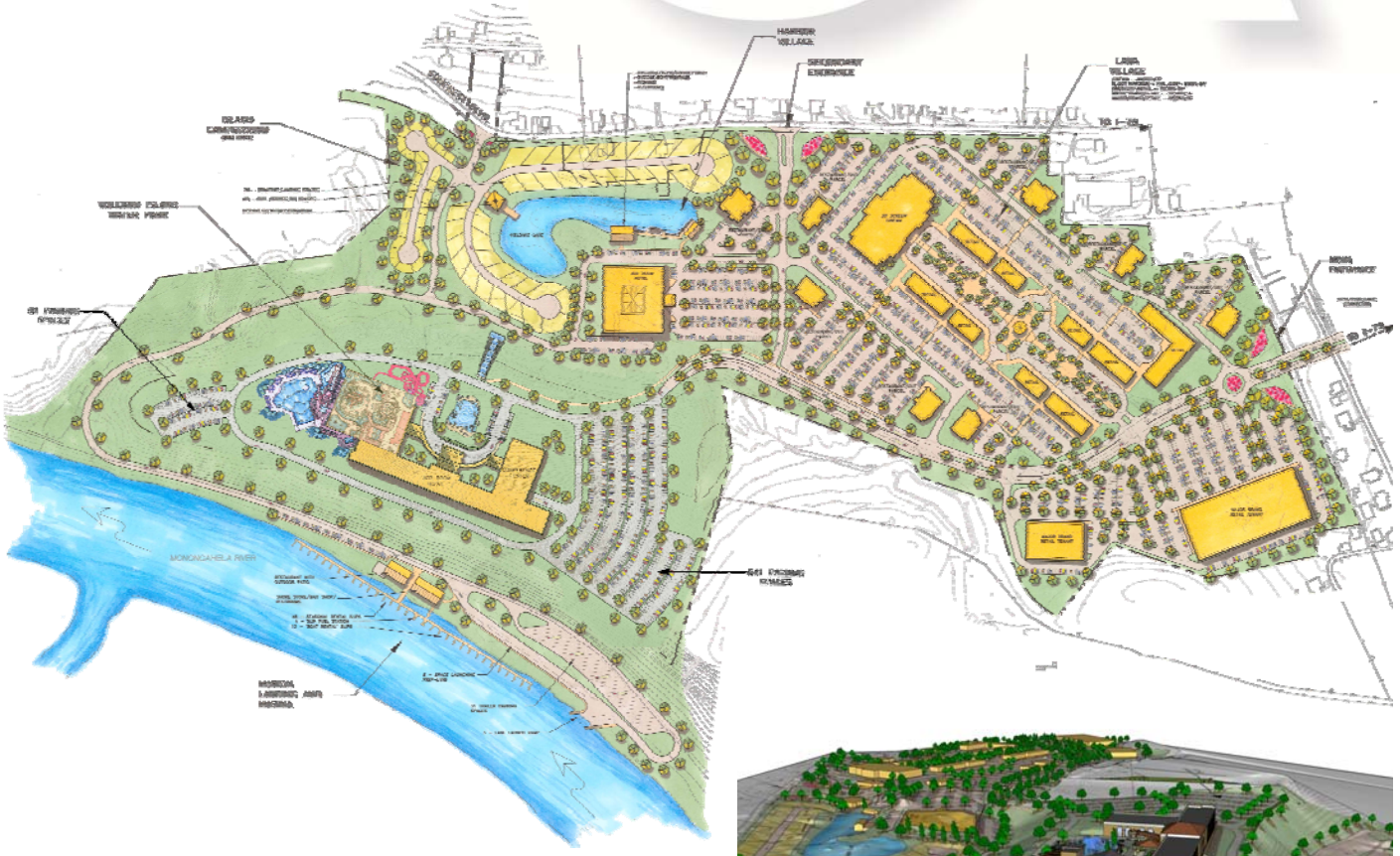
• An endless river with an adventure zone and multiple water features.

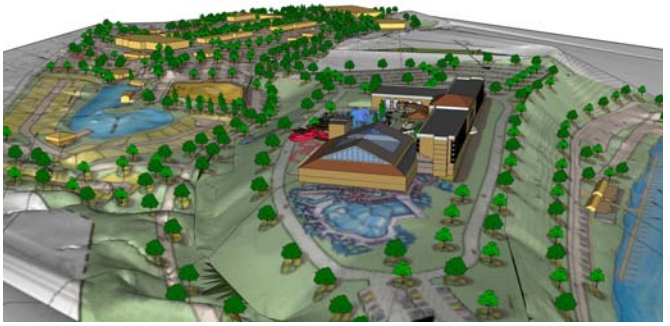
• A themed multi-level tree house with a 1,000-gallon tipping bucket.

• Children's splash 'n play area.

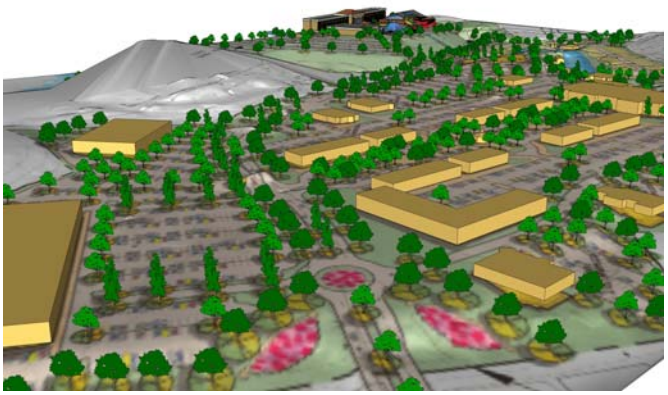
• Activity pool and an indoor/outdoor whirlpool.

Volcano Island Resort





Master Plan
Phase I: Volcano Island Resort
Future Development:
- Lava Village Retail Development
- Island Campground



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Tower Engineering Overview and Services

Tower Engineering has been providing innovative mechanical, electrical, plumbing, and fire protection solutions since 1931. While Tower is a generalist firm, it primarily serves the K-12 and higher education, healthcare, senior living, hospitality and recreation sectors in both renovations and new construction. The firm's highly-trained staff of project managers, designers, and technical support personnel is capable of providing consulting services for every type of project - from a small, single-family residence to a high tech research facility incorporating redundant mechanical and electrical systems, DDC energy management and thermal storage.

Our engineers utilize state-of-the-art software programs for the design of lighting, electrical power and mechanical systems. Lighting analysis includes point-by-point calculations, ESI analysis, exterior lighting analysis, and life cycle cost comparisons. Electrical power analysis includes fault current and load flow analysis.

Mechanical design and analysis services include energy economy analysis, thermal storage analysis, heating and cooling load calculations, refrigerant piping design, water system designs, along with BIM modeling. Our professional staff utilizes computer selection of air handling units, coils, pumps, terminal devices, fans, cooling towers, chillers, heat exchangers, kitchen hoods, hydronic and steam specialties, humidification equipment and heat recovery equipment.

Sustainability principles are considered at every design point, and firm principals personally lead every project. The firm has 26 employees, including 14 Registered Professional Engineers and nine LEED Approved Professionals

Specific Engineering Services

HVAC

- Heating and cooling system design
- Ventilation system design
- Building automation systems
- Control systems and energy monitoring
- Geothermal heat pumps
- Heat recovery systems
- Kitchen and laboratory exhaust systems
- Smoke evacuation systems
- Computer room environmental control systems
- Building commissioning services

Electrical

- Interior and exterior lighting design and studies
- Lighting controls
- Primary and secondary voltage power distribution systems
- Fire detection and alarm systems
- Computer data and power systems
- Uninterruptible power supply systems
- Reinforced and masking sound systems
- Lightning protection systems
- Fault current studies
- System over-current protection coordination

Telecommunications

- Voice communication systems
- Data network systems

Plumbing

- Water resource efficiency analysis
- Sanitary drainage systems
- Storm water management
- Domestic water systems
- Waste water treatment systems
- Hospital and laboratory piping systems
- Fuel oil piping systems
- Irrigation systems

Fire Protection

- Standpipe and sprinkler systems
- Fire protection systems

TOWER ENGINEERING

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Hospitality Project Experience

Tower Engineering has designed more than 25 hospitality projects, along with large residential and commercial projects with elements that are relevant to hotel and county club design. From their experience, the Tower Engineering team has found creative design solutions while working collaboratively with owners and other design professionals. Engineering solutions provide the matrix for the health and safety, and smooth operation of any facility.

- Best Western – State College, PA
- Cacapon Resort lodge expansion – Berkeley Springs, WV
- Canaan Valley Resort Renovation/Addition – Davis, WV
- Chartiers Country Club – Robinson Township, PA
- Cincinnatian Hotel Restoration/Renovation
- Days Inn – various locations
- Double Tree Hotel – Pittsburgh, PA
- Lakeview Country Club – North East, PA
- Montour Country Club – Pittsburgh, PA
- Motel Six – Cranberry, PA
- Peak 'n Peak Resort – Clymer, NY
- Penn State University Nittany Lion Inn, State College, PA
- Rolling Hills Country Club – McMurray, PA
- Royal Ridge Country Club – Pittsburgh, PA
- Seven Oaks Country Club – Beaver, PA
- Sheraton Station Square Hotel – Pittsburgh, PA
- Sheraton Inn – Hollidaysburg, PA and Warrendale, PA
- The Historical Book Cadillac Hotel – Detroit, MI
- Treesdale Country Club – Gibsonia, PA
- Twin Falls Resort, Mullens, WV

Cacapon State Park Lodge

Berkeley Springs, WV

Year Completed:
Estimated 2015

Square Footage
70,000

Total Construction Cost
$22 million

Tower Engineering provided the mechanical, electrical, plumbing, and fire protection services for the renovation and expansion of the Cacapon State Park Lodge in Berkeley Springs, West Virginia. The park is available for both family vacations and business retreats, offering access to golf, lake, and camping activities.

The new four-story, 70,000 SF addition consists of:

- 85 new guest rooms, including several suites and ADA accessible rooms.
- A new indoor and outdoor pool, full service spa, and fitness center.
- Conference spaces, a new gift shop, and a new dining room, bar area, and kitchen.
- New larger Gift/Sundries Area & Business Center.
- A new connecting corridor between the existing lodge and new lodge.
- Landscaped outdoor patio overlooking the golf course.
- An elevator to resolve accessibility issues.

The MEPFP systems include the following:

- A new Variable Refrigerant Flow (VRF) HVAC system.
- Dedicated outside air with energy recovery and dehumidification capability.
- A full wet sprinkler system throughout.
- Upgrades to systems serving existing lodge dining room and kitchen facilities.
- Upgrade to the existing electrical service.
- New Fiber Optic distribution throughout the Park.
- New Telecommunications system in the lodge.
- Electrical service upgrades to the park Water Treatment and Waste Water Treatment Plants.

Canaan Valley Resort State Park

Davis, WV

Year Completed:
Fall 2013

Square Footage
102,534 (addition) 64,993 (renovation)

Total Construction Cost
$25 million

Tower Engineering provided the mechanical, electrical, plumbing, and fire protection services for the renovation and expansion of the Canaan Valley Resort State Park in Davis, West Virginia. The existing resort underwent major renovations to the front entrance, main lobby, café, and gift shop areas. There are five separate guest room lodges.

Two were demolished but two new 4-story guest room wings, were built and connected to the main lodge so guests can now check in at the main entrance and walk to their rooms without having to travel outdoors.
The two five story wings consist of:

- 168 new guest rooms, including several suites and ADA accessible rooms.
- New larger mechanical equipment room
- Conference spaces
- New front desk with office spaces
- New connecting lobby between the existing lodge and new lodge
- New private dining area

The Lodge was in operation during construction, so MEP systems had to function, which necessitated accommodations during construction. For example, Tower specified a temporary chiller be leased until installation of the new chilled water system was installed. Customized controls were created at the front desk so that each HVAC unit could be activated prior to a guest arrival and deactivated at departure.

There was also new heat recovery equipment to condition and dehumidify outside air, new fiberoptic distribution throughout the Park and a new telecommunications system in the lodge.

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Holiday Valley Resort
Tamarack Club
Ellicottville, NY

Year Completed:
2010

Square Footage
163,000

Total Construction Cost
$40 million

Tower Engineering provided mechanical and electrical engineering services for Holiday Valley Resort's new Tamarack Club, the largest expansion project in the Resort's 50 year history.

Condominium units in this 163,000 SF building range from 465 SF studios to 1,800 SF executive suites. Fifty-nine of the 79 units are one and two bedroom lockout configurations that can be separated into two units. The lockout feature allows the owner private use of their unit, while being able to rent out a separate deluxe hotel suite. Additional spaces in the building include a heated indoor/outdoor pool, spa, fitness center, underground parking,and a restaurant and lounge.

Seven Springs Mountain Resort

Seven Springs,PA

Year Completed:
2006

Square Footage
35,000

Total Construction Cost
$4.7 million

Tower Engineering provided mechanical and electrical engineering services for a new $4.7 million Skier Services Building for the seven Springs Mountain Resort. At this one-stop service center, guests can do everything from buy lift tickets to drop off the kids for ski/ride lessons. The new facility serves as the main resort arrival point and as a "bridge" connecting the existing conference/hotel functions with the existing ski lodge. Construction of this three-story, 35,000 SF building was part of a $6.5 million expansion project and was planned and constructed between ski seasons to avoid disruption of resort activities.

Tower Engineering also provided engineering services for the Southwinds at Lake Tahoe, a cooperative design-build project at the Resort. The overall project provided for a series of multi-level condominium units. Each of the seven buildings in the project was comprised of varying combinations of architecturally modular, typical floor plans.

Lodge Expansion Twin Falls State Park

Mullens, WV

Year Completed:
2007

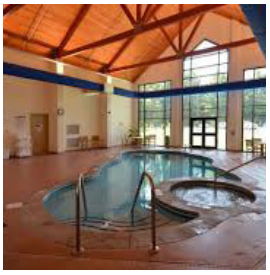
Square Footage
27,580

Total Construction Cost
$7.4 million

Tower Engineering provided mechanical and electrical engineering services for the expansion of the Twin Falls State Park Lodge in Mullens, West Virginia.

Renovations were made to the existing 14,200 SF structure. An addition of 13,380 SF includes:

- An additional 27 lodge rooms, including several suites
- Conference space
- A new indoor pool, spa, and fitness center
- An elevator to resolve accessibility issues
- New lodge entrance and lobby and front desk transformation



TOWER ENGINEERING

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EDUCATION

Bachelor Architectural Engineering
Penn State University 1989

REGISTRATION

PE, [redacted]nia
PE- [redacted]

PE, [redacted]irginia
PE- [redacted]

PE, New York
PE, Maryland

NCEES Registered

LEED Accredited Professional
2009

AFFILIATION

American Society of Heating, Refrigeration & Air Conditioning Engineers (ASHRAE)

James N. Kosinski, P.E., LEED AP

Principal, Vice President
Senior Project manager, Mechanical Engineering

Mr. Kosinski is primarily responsible for the design of HVAC systems and their components for hospitals, schools, universities, laboratories, office buildings, and commercial and light industrial facilities. He has experience with the design of numerous types of HVAC systems, including constant and variable air volume air handling, geothermal heat pump and exhaust systems; chilled water and hot water; electric/electronic, pneumatic and DDC control systems.

Jim's design responsibilities include load calculations, equipment selection, system layout, project specifications, cost estimates, direction of project drafting efforts, coordination with other engineering disciplines, and construction administration. Additional responsibilities include system analysis and energy studies, client contact, and project management and scheduling. He has performed energy conservation analyses, evaluated HVAC system performance, and justified the installation of DDC control systems and other energy saving measures. As a Mechanical Engineering Group Leader, Mr. Kosinski coordinates the efforts of a team of staff engineers, designers and CAD operators.

REPRESENTATIVE EXPERIENCE

Allegheny College - Meadville, Pennsylvania
Carr Hall
Science Building Study

Allegheny Energy, Fairmont, West Virginia
New Operations Center (LEED)

Bethel Park, Pennsylvania
New Community Center

Berkeley County Board of Education - Martinsburg, West Virginia
New West Central Intermediate School

Canaan Valley Institute, Davis, West Virginia
New Headquarters and Educational Facility (LEED)

Department of Energy, Morgantown, West Virginia
New Record Storage Facility (LEED)

North Allegheny School District - Pittsburgh, Pennsylvania
Marshall Elementary School renovation; McKnight Elementary School addition/renovation; North Allegheny Intermediate School addition/renovation

Penn Hills School District - Penn Hills, Pennsylvania
New high school; new elementary school

Regional Learning Alliance, Cranberry Township, Pennsylvania
Regional Learning Alliance at Cranberry Woods (LEED Silver)

Verizon, Cranberry Township, Pennsylvania
Verizon Wireless Call Center

Webster County Board of Education - Upper Glade, West Virginia
High School Renovation

West Virginia University - Morgantown, West Virginia
Brooks Hall – Lab Renovation
Honors Hall
Law Building Phase I

EDUCATION

BS, Mechanical Engineering
Penn State University 1982

REGISTRATION

PE, _____nia
PE-[redacted]

PE, _____ Virginia
PE-[redacted]

PE, New York

NCEES Registration

LEED Accredited Professional
2009

AFFILIATION

American Society of Heating, Refrigeration & Air Conditioning Engineers (ASHRAE)
Pittsburgh Chapter:Past President

Thomas J. Gorski, P.E., LEED AP

Principal, President
Mechanical Engineering Department Head

Mr. Gorski's primary responsibilities are the design of HVAC systems and their components for schools, universities, commercial and light industrial office buildings, laboratory buildings, health care facilities, and military facilities. He has designed HVAC systems including constant and variable air volume, air handling and exhaust systems; chilled water and hot water systems and steam distribution systems; electric/electronic control, pneumatic control and DDC systems.

Tom's design responsibilities include load calculations, equipment selection and system layout, project specifications, cost estimates, direction of the project drafting effort, coordination with architectural and other engineering disciplines, and construction administration. He also performs system analysis and energy studies, maintains client contact, and supervises the engineering effort of the Mechanical Engineering groups.

REPRESENTATIVE EXPERIENCE

Beaver County - Beaver, Pennsylvania
Ice Arena Renovations

Bethel Park, Pennsylvania
Bethel Park Community Center

Cranberry Township, Pennsylvania
The Rose E. Schneider Family YMCA

Monroeville, Pennsylvania
Community Park Site Buildings
New Community Recreation Center

Penn Township, Pennsylvania
Penn Township Civic Center

Pine Township, Pennsylvania
New Community Recreation Center

Ross Township, Pennsylvania
New Municipal Complex (includes Community Center)

Upper Saint Clair, Pennsylvania

Upper Saint Clair Community Recreation Center

West Virginia University - Morgantown, Pennsylvania
New Student Recreation Center

EDUCATION
BS Electrical Engineering
University of Pittsburgh 1988

MBA Frostburg University 1997

REGISTRATION
PE, P[redacted]nia
PE-C[redacted]

PE, [redacted]
PE-[redacted]

Stephen J. Kisak, P.E.

Principal, Vice President
Electrical Engineering Department

Mr. Kisak has provided engineering services for the design of educational facilities, office buildings, college and university facilities, health care, assisted living/nursing homes, and commercial facilities. His primary responsibility is for the preparation of technical specifications, engineering drawings, field observation, and coordination with architectural and other engineering disciplines. He also has responsibility for engineering and fieldwork associated with power system/arc flash studies.

Steve's design responsibilities include lighting, power, and system designs for buildings; design of medium voltage distribution systems for college campuses; data center power system design; low voltage power system and switchgear design; industrial power system design; emergency power systems design; and short circuit/coordination/arc flash hazard studies. Additional responsibilities include client contact, field observation, and project management.

REPRESENTATIVE EXPERIENCE

Power System/Arc Flash Studies
6 years of experience with power system and arc flash studies for commercial, institutional, educational, industrial, data center, and medium voltage systems, using SKM and ETAP software.

Hardy County Board of Education - West Virginia
Moorefield High School (Moorefield)

Harbor Creek School District - Erie, Pennsylvania
Clark Elementary School Renovation

Pennsylvania State University - State College, Pennsylvania
Electro-Optics Center

South Fayette School District - McDonald, Pennsylvania
New Elementary School

Allegheny Energy Operations Center
New Command Center and Office

St. Mary's Home, Erie, Pennsylvania
Renovation & Addition

EDUCATION
BS, Architectural Engineering
Penn State University 1994

REGISTRATION
PE, _____lvania
PE-[redacted]

AFFILIATION
Illuminating Engineering Society of North America (IES):
Past President Pittsburgh Section

AWARD
IES Design Award of Merit 2003,
Ross Twp. Municipal Complex
Pittsburgh, Pennsylvania

John C. West Jr., P.E.

Associate, Senior Project Manager
Electrical Engineering Department Head

Mr. West has provided electrical engineering and lighting design services for Tower Engineering projects. His primary responsibility is for the preparation of electrical opinions of cost, technical specifications, engineering drawings, field observation, and coordination with architectural and other engineering disciplines.

John's design responsibilities include lighting layout and fixture selection, including calculations and system coordination studies and calculations; computer rooms and associated support facilities; fire alarm and detection systems; emergency power, public address, nurse call, audio-visual, security and closed circuit television systems. Additional responsibilities include client contact, field observation, and project management.

Cacapon Resort- Lodge Expansion, Berkeley Springs, WV
70,000 SF addition, 85 new guest rooms, pool, common areas

Holiday Valley - Tamarack Club, Ellicottville, NY
163,000 SF addition for 79 condos, heated indoor/outdoor pool, spa, fitness center, underground parking,restaurant and lounge.

The Pennsylvania State University - Nittany Lion Inn, State College, PA
Misc. projects

Best Western Hotel, State College, PA
Full MEP services for 48,000 SF, 79 room, new construction

Seven Springs Mountain Resort - Champion, Pennsylvania
Skiers Services Building

Upper St. Clair, Pennsylvania
New Community Recreation Center

West Virginia University - Morgantown, West Virginia
New Student Recreation Center

EDUCATION

BS, Mechanical Engineering
Penn State University 1997

REGISTRATION

Prof Engineer, PA
PE-[redacted] 2003

Certified in Plumbing Engineering (CIPE), 1998

LEED Accredited Professional 2009

Michael S. Plummer, P.E., C.I.P.E., LEED AP

Associate, Senior Project Manager
Plumbing & Fire Protection Engineering Department Head

Mr. Plummer is primarily responsible for the design of plumbing and fire protection systems and their components for educational, governmental, and commercial buildings. His plumbing and fire protection design responsibilities include performing calculations for hydraulically designed sprinkler systems; designing water supply and pumping systems including fire mains and sizing of fire pumps; design/testing of fire protection and alarm systems; and design of plumbing sewage, gas and water systems.

Mike is an experienced HVAC system designer, and performs load calculations, equipment selection and systems layout. His duties include preparation of project specifications, cost estimates, project management, and coordination with architectural and other engineering disciplines. He also performs construction administration duties including review of submittals, preparation of punch lists, and field problem solving, as well as supervising the engineering efforts of the Plumbing and Fire Protection Department.

REPRESENTATIVE EXPERIENCE

Armstrong County, Pennsylvania
YMCA

Cacapon State Park - Berkeley Springs, West Virginia
Lodge Expansion

Canaan Valley State Park - Davis, West Virginia
Lodge Additions and Renovations

Cranberry Township, Pennsylvania
The Rose E. Schneider Family YMCA

Mount Lebanon, Pennsylvania
Pool Renovations

Upper Saint Clair, Pennsylvania
Community Recreation Center

BARBER & HOFFMAN, INC.
Consulting Engineers

Firm Overview and Experience

HISTORY

Barber & Hoffman, Inc. (B&H) is a premier structural engineering consulting firm serving the Midwest and Mid-Atlantic states. We have been providing structural engineering expertise since C. Merrill Barber founded the firm in 1934 in Cleveland, Ohio. In 1998, the firm opened an office in the Pittsburgh area and in 2009, an office in Columbus, Ohio.

During Mr. Barber's distinguished career as a design professional, together with his partners and successors, many impressive landmarks in the public and private sectors have been created.

B&H serves design and construction professionals, medical and educational institutions, building owners and managers, government agencies, contractors, fabricators, developers, and others. B&H is rich with a versatile staff of registered Professional Engineers, EI's, and technicians. We possess decades of experience coupled with the knowledge of the latest design techniques, structural engineering modeling, materials technology, and cost-effective planning to produce a wide range of interesting and efficient buildings and structures.

Each project is managed by a Principal who brings together knowledge, coordination, and integration of special skills needed for completion. The daily interplay among the staff encourages creative solutions while eliminating costly research in design challenges. This approach has retained many of our valued clients.

B&H utilizes integrated computer modeling with associated tools for analysis and design. We are proficient in utilizing AutoCAD and Building Information Modeling (BIM) for design and drafting.

RELEVANT EXPERIENCE

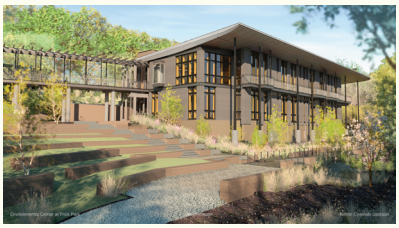
Butler Area Library - Addition and Renovations	Butler, PA
Butler County Community College - Student Success Center	Bulter, PA
Carnegie Science Center - Highmark Sportsworks	Pittsburgh, PA
Connected Health Office Building	Wexford, PA
David L. Lawrence Convention Center	Pittsburgh, PA
Department of Conservation and Natural Resources (DCNR)	Dushore, PA
District 20 - Administration Building and Support Structures	
Duquesne University Sklar Skywalk	Pittsburgh, PA
Frick Environmental Center	Pittsburgh, PA
Grand Vue Park - Treehouses & Banquet Hall Addition	Moundsville, WV
Grove City/Franklin YMCA Addition	Grove City, PA
Lawrence County Public Service Center	New Castle, PA
Lemieux Sports Complex	Cranberry Township, PA
Mitsubishi Electric Power Products, Inc. - Corporate Headquarters	Warrendale, PA
Nemacolin Woodlands Resort - Spa Addition and Renovations	Farmington, PA
West Virginia University - Advanced Engineering Research Building	Evansdale, WV
VAMC - Louis A. Johson Campus	Clarksburg,WV
YMCA of Greater Pittsburgh-Conversion of Ice Rink Facility to YMCA	Pittsburgh, PA

SUMMARY:

- Structural Consultants
- Founded in 1934
- 3 Office Locations
- 3 Principals
- 23 Engineers (17 Registered)
- 5 Technicians
- 4 Administrative

STATE REGISTRATIONS:

- CO
- CT
- DC
- GA
- IL
- IN
- KY
- MD
- MI
- MN
- NJ
- NY
- OH
- PA
- TN
- VA
- WV



Frick Environmental Center

Lawrence County Public Service Center

DCNR District 20

BARBER & HOFFMAN, INC.
Consulting Engineers

PROFILE

Michael R. Miller, PE

CEO

JOINED THE FIRM 1990

Cranberry Township
Pennsylvania

RESPONSIBILITIES

Mr. Miller is a Principal in Charge and Project Manager on commercial, institutional, medical, research and restoration projects. He initiated and continues to manage operations in our Cranberry Township office. His experience includes structural analysis and design of new structures; investigation, restoration/renovation and reuse of existing structures; building masonry facade investigation, remediation/restoration; preparation of feasibility studies; contract documents and specifications.

In addition, Mr. Miller's collaborative design approach has allowed his clients to develop and incorporate unique, but practical solutions on their projects. His project structural systems capabilities encompass steel, composite steel, steel joist and joist girder, wood, timber, masonry, reinforced concrete and precast concrete. Foundation systems design includes conventional spread footings, drilled piers (caissons), auger cast concrete piles and slab-on-grades on expansive soils, as well as performance specifications for concrete underpinning and soil nailing.

PROJECT EXPERIENCE

CARNEGIE SCIENCE CENTER - HIGHMARK SPORTSWORKS - PITTSBURGH, PA

LAWRENCE COUNTY PUBLIC SERVICE CENTER - NEW CASTLE, PA

DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES (DCNR) - DISTRICT 20 - ADMINISTRATION BUILDING AND SUPPORT STRUCTURES - DUSHORE, PA

DAVID L. LAWRENCE CONVENTION CENTER - PITTSBURGH, PA

GRAND VUE PARK - TREEHOUSES AND BANQUET HALL ADDITION - MOUNDSVILLE, WV

VAMC - LOUIS A. JOHNSON CAMPUS - CLARKSBURG,WV

GROVE CITY/FRANKLIN YMCA - ADDITION - GROVE CITY, PA

BUTLER AREA LIBRARY - ADDITION AND RENOVATIONS - BUTLER, PA

LEMIEUX SPORTS COMPLEX - CRANBERRY TOWNSHIP, PA

WEST VIRGINIA UNIVERSITY - ADVANCED ENGINEERING RESEARCH BUILDING - EVANSDALE, WV

BUTLER COUNTY COMMUNITY COLLEGE - STUDENT SUCCESS CENTER - BUTLER, PA

MITSUBISHI ELECTRIC POWER PRODUCTS, INC. - CORPORATE HEADQUARTERS - WARRENDALE, PA

NEMACOLIN WOODLANDS RESORT - SPA ADDITION AND RENOVATIONS - FARMINGTON, PA

YMCA OF GREATER PITTSBURGH - CONVERSION OF ICE RINK FACILITY TO YMCA - PITTSBURGH, PA

CONNECTED HEALTH OFFICE BUILDING - WEXFORD, PA

EDUCATION:

- Cleveland State University, 1996
  Master of Science in Civil Engineering
- The Pennsylvania State University, 1990
  Bachelor of Architectural Engineering
  (Structural)

REGISTRATION: P.E. 1997

- Pennsylvania
- Ohio
- Maryland
- New Jersey
- New York
- Virginia
- West Virginia

PROFESSIONAL AFFILIATIONS:

- Structural Engineers Association of Ohio
- Code Management Review Board for
  City of Butler, PA
- American Institute of Steel Construction
- First Sergeant (retired)
  Pennsylvania Army National Guard