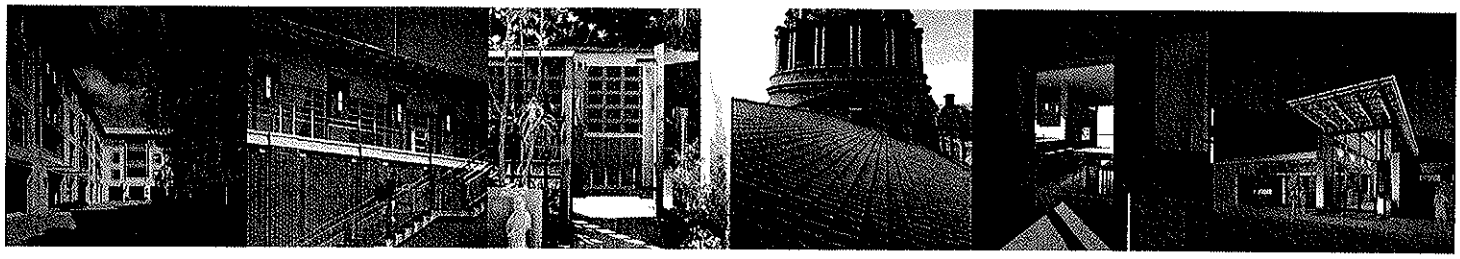


WEST VIRGINIA REHABILITATION CENTER

ARCHITECTURAL/ENGINEERING SERVICES: SPACE PLANNING AND RENOVATION SERVICES

SEPTEMBER 15, 2010

PERFIDO WEISKOPF WAGSTAFF + GOETTEL

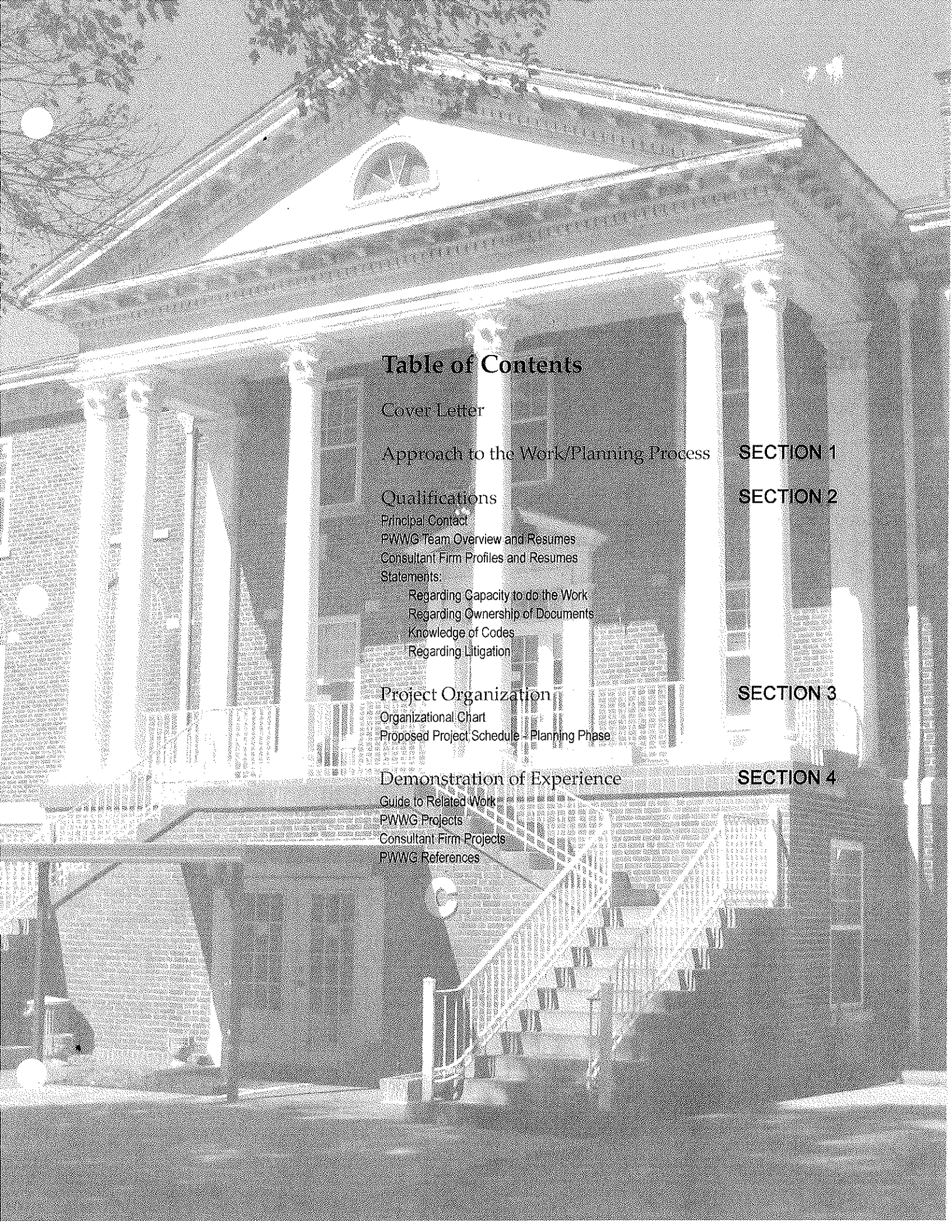


Table of Contents

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL

September 15, 2010

Krista Ferrell, Buyer Supervisor
STATE OF WEST VIRGINIA
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305-0130

RE: Expression of Interest EOI# GSD 116409

Dear Ms. Ferrell and Members of the Selection Committee:

Please accept this 'Expression of Interest' to provide planning, architectural and engineering services to evaluate, redesign, and renovate the former West Virginia Rehabilitation Center. We have reviewed and understood the public notice of the EOI, and are pleased to offer our qualifications for this work.

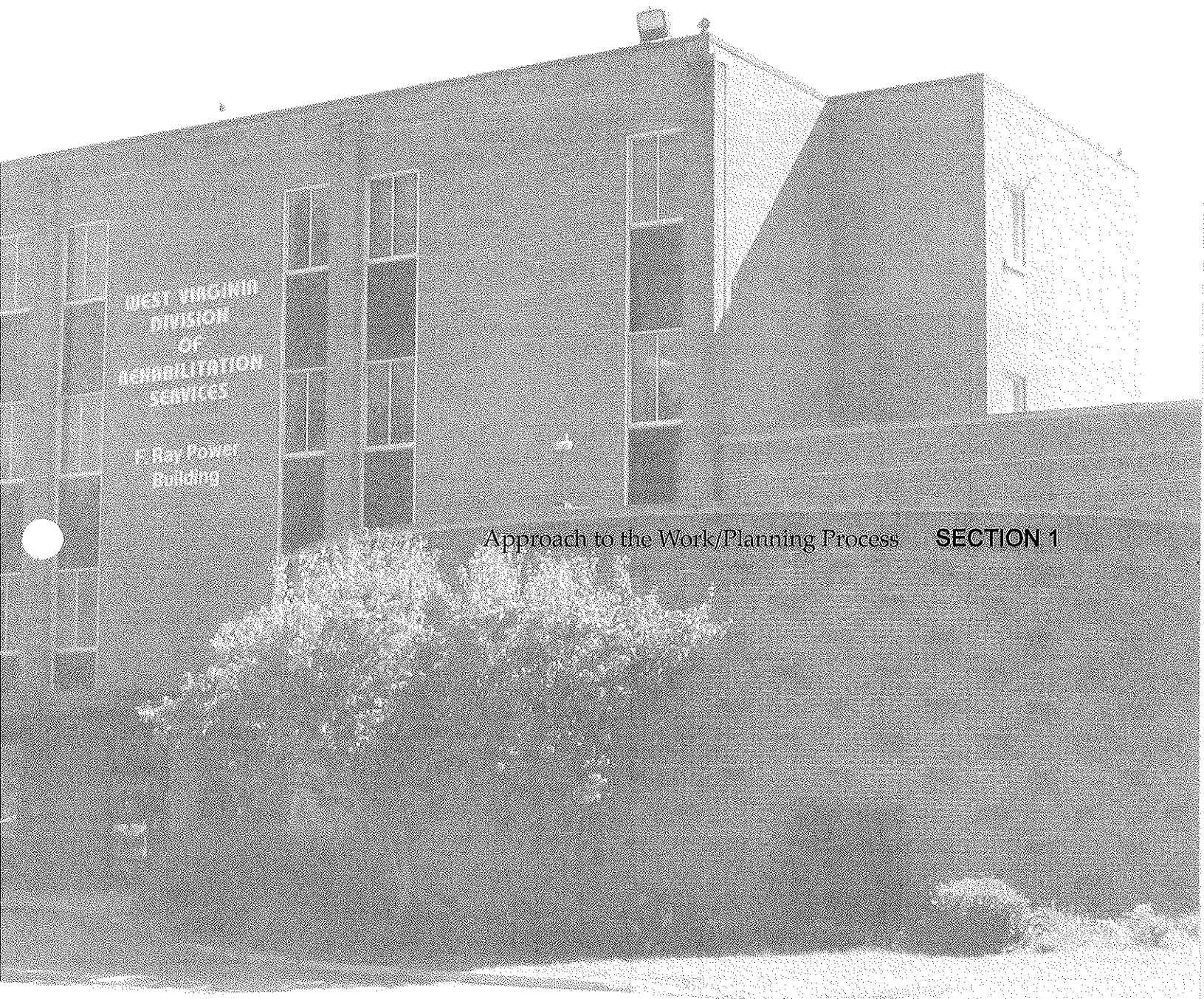
This is a team of professional architects, engineers, and cost estimators. We are based in Pittsburgh and Charleston and have worked together extensively on a wide variety of projects involving site and facilities evaluations, facilities planning, and the creative and adaptive reuse of existing buildings. We have visited the Rehabilitation Center and have an appreciation for the unique challenges and opportunities of this site. We offer services to assist the Agency in determining the best feasible reuse of the Rehabilitation Center buildings, and we are fully capable of designing the projects that will come from this planning effort.

Thank you for your consideration of our team.

Sincerely,

Sheldon Goettel, LEED AP, AIA

ALAN WEISKOPF, AIA SHELDON GOETTEL, AIA KEVIN WAGSTAFF, AIA
408 BOULEVARD OF THE ALLIES, PITTSBURGH, PA 15219-1301 412.391.2884 412.391.1657 WWW.PWWGARCH.COM


WEST VIRGINIA
DIVISION
OF
REHABILITATION
SERVICES
P. Ray Power
Building

Approach to the Work/Planning Process

We propose a three stage approach with our team working in close coordination with a working committee composed of persons to be determined by the State of West Virginia. The following is an overview of our proposed process. A detailed schedule for committee meetings and major presentations would be developed with the working committee as one of our first orders of business.

1. ANALYSIS

We will devote the first part of this planning process to fact gathering and analysis to identify the best opportunities for this property. In classic planning terms this is the 'problem identification' and 'scope definition' stage of the work. A number of tasks would be going on during this stage to understand the 'facts' including a physical assessment of the buildings, an assessment of the regulatory circumstances that will control the work, a review of current (and perhaps older) planning documents that have been created for adjacent properties, an assessment of the historic value of buildings on the campus, the commissioning of a formal market study to assess the types and depths of markets in the area, and a review and understanding of the state's goals...which are also key 'facts.' This first phase will be devoted to gathering all the information necessary to establish a clear set of goals and objectives for the property. This work concludes with a formal presentation—a joint presentation by the planning professionals and the working committee to present a draft of the analysis and the goals for comment. This work is complete when the planners and State agree that clear objectives and design criteria have been established for an appropriate and realistic Master Plan.

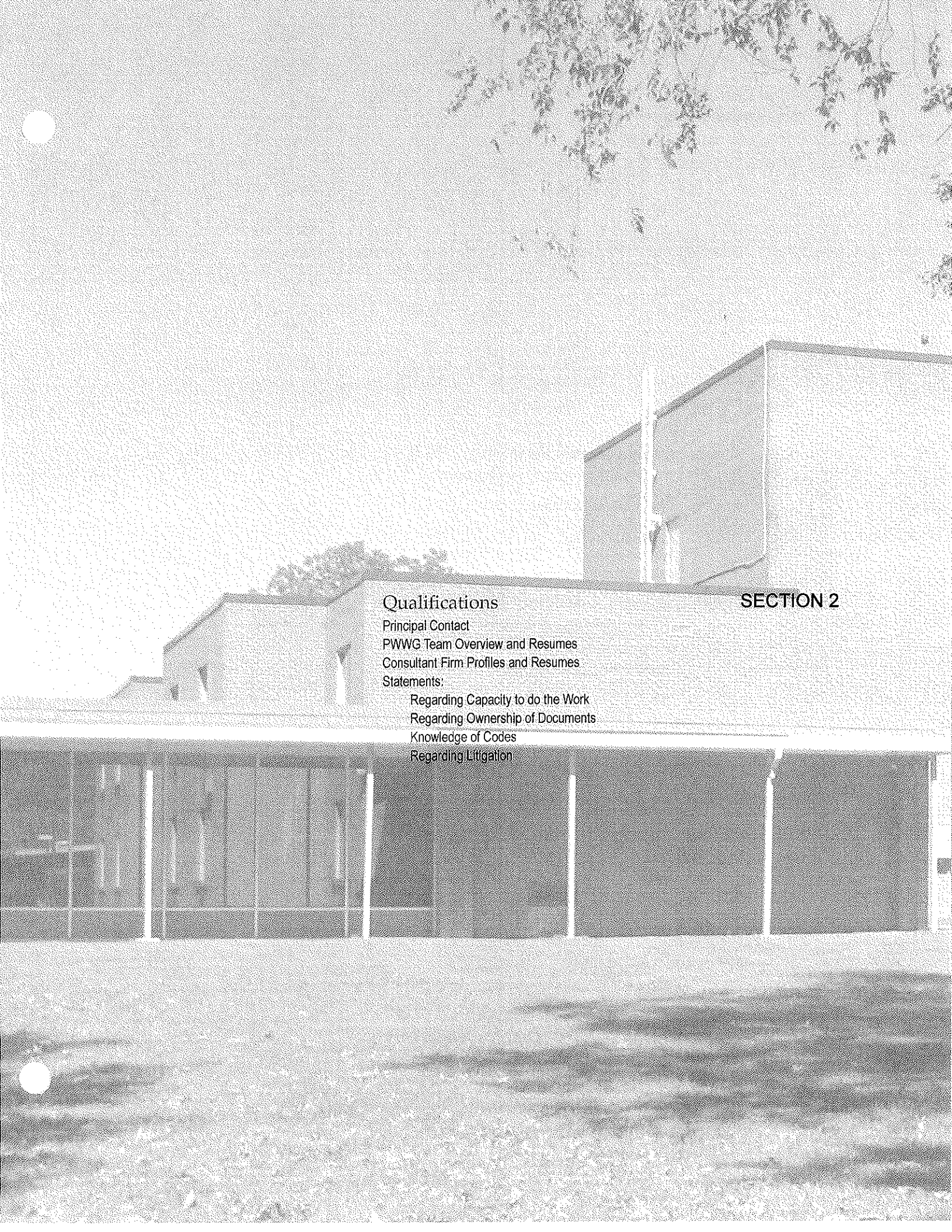
PWWG's Oglebay Hall & Ming Hsieh Hall at West Virginia University is a LEED Certified renovation of a National Register building and an historically sensitive addition that created a handsome ensemble of new and existing.

2. ALTERNATIVES

In the second stage we will focus on the development of options that would realize the objectives developed in stage one. It is vital at this point to cast a wide but well aimed net. Working with the committee, the planners will generate at least two, and probably three or four alternative plans for consideration. Each will be developed to a point that demonstrates its best potential. Each will be measured against established criteria, and against one another. We can anticipate that features of these options will inform and improve one another. The best option will be picked through consultation with the working committee. The work of this stage is complete when the working committee and the planners agree that a preferred approach has been identified that is worthy of development as a Master Plan for the site.

3. MASTER PLAN

In this concluding stage we will develop and refine the preferred approach in a way that clearly demonstrates achievement of objectives, quantifies the work, includes a conceptual budget, and includes a recommended plan for implementation. The Master Plan will provide a durable, appropriate, and realistic vision for the redevelopment of the property. It will include a summary record of the collaborative process and decision making that produced the plan. It will conclude with the third major presentation as a "draft" for final comments.



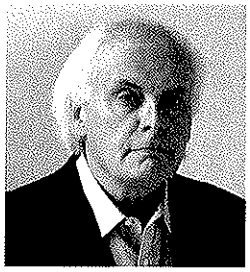
Qualifications

SECTION 2

Principal Contact
PWWG Team Overview and Resumes
Consultant Firm Profiles and Resumes
Statements:
- Regarding Capacity to do the Work
- Regarding Ownership of Documents
- Knowledge of Codes
- Regarding Litigation

Principal Contact

Perfido Weiskopf Wagstaff + Goettel



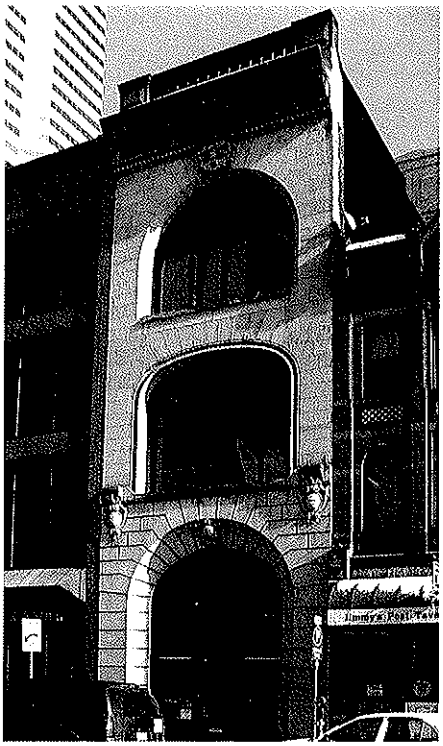
Sheldon Goettel, AIA, LEED AP
Principal, Perfido Weiskopf Wagstaff + Goettel

408 Boulevard of the Allies
Pittsburgh, PA 15219-1301
Phone: 412.391.2884
Fax: 412.391.1657
sgoettel@pwwgarch.com

PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL

Firm Profile

Perfido Weiskopf Wagstaff + Goettel



PWWG's office in a former City firehouse in downtown Pittsburgh

PWWG AT A GLANCE

Established
1975
Principals
Alan Weiskopf, AIA
Sheldon Goettel, AIA, LEED AP
Kevin Wagstaff, AIA, LEED AP
Structure
PA Limited Liability Company
Current Staff
15 Architectural; 11 Registered, 11 LEED AP
3 Administrative and Support
Offices
(One, located in downtown Pittsburgh)
408 Boulevard of the Allies
Pittsburgh, PA 15219
Project Size Range
Very small up to $60M

We are a design firm practicing architecture, planning, and urban design. We were founded in 1975 as L. P. Perfido Associates. In 1996 the firm was renamed Perfido Weiskopf Architects and became a partnership. Today we are Perfido Weiskopf Wagstaff + Goettel, a Pennsylvania limited liability company, owned and led by three Principals: Alan Weiskopf, AIA, Sheldon Goettel, AIA, LEED AP and Kevin Wagstaff, AIA, LEED AP. The full staff includes 11 Registered Architects, 4 Graduate Intern Architects, and 3 business support professionals.

In our 35 years of practice we have developed a reputation for creative, thoughtful solutions to complex problems, most often involving college buildings, housing of various types, and historic structures. Accordingly we are focused on three main areas of specialization—facilities for higher education, multi-family residential design (including affordable and market rate housing, student housing, senior housing, and luxury condominiums), and the rehabilitation and preservation of historic architecture. We also design hotels, theatres, galleries, stores, and parking structures. Repeat clients include private businesses, institutions, public/private partnerships, and government.

Our work is guided by 3 principles:
Form-making - We begin with the owner's needs and goals, the project and building type, and the surrounding context. Within these variables we find compelling reasons for some buildings to be contemporary, others traditional, and we work in many styles. What we find constant is the need to bring great usefulness, durability, and architectural clarity to each design. We therefore emphasize the 'craft' of architecture, and believe this approach yields results that are more authentic than work defined by allegiance to any one style.

Interaction - We pay great attention to the connections between buildings and their surroundings, and find that each commission presents unique opportunities. It might be the prospect of a new building forming a court with existing structures, or a chance for a dialogue between new and historic buildings, or an alignment of paths that could connect to a larger setting. It is always our goal that our buildings have an uplifting effect on their surroundings.

Integrated Design - We work in teams that follow projects from the first stages of planning through the completion of construction. The teams include all the necessary disciplines in a design process that is collaborative and highly interactive. Each team member understands the effect of their contributions on the design and the coordination of their work with others. The results are durable high performance buildings that are constructed on budget, with low operating and environmental costs, and that provide memorable settings for their occupants.

Perfido Weiskopf Wagstaff + Goettel is located in downtown Pittsburgh in a former City firehouse that dates from the 1890s. The high-ceilinged engine and crew rooms serve as our studios where we work together in an open office environment.

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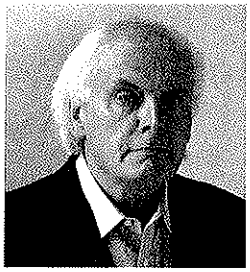
WAGSTAFF +
GOETTEL

Sheldon Goettel, AIA, LEED AP

Principal **Perfido Weiskopf Wagstaff + Goettel**



Education
Carnegie Mellon University
Master of Architecture, 1979
Washington & Jefferson
College Bachelor of History, 1972
Registration
Registered Architect in PA & NY
Professional Associations
NCARB Certification
American Institute of Architects
Carnegie Mellon University, Adjunct Professor of Architecture

Sheldon has been in the continuous practice of architecture since 1979. Sheldon joined the firm in 1989 and became a Principal in 2000. He has served as the Project Architect or Principal-in-Charge of many of the firm's most significant housing and planning projects. He has experience in a wide range of project types including community master planning, community and multi family housing, the adaptive reuse of buildings including historic structures for a wide variety of occupancies, and building forensics and corrective reconstruction. Sheldon served as an Adjunct Professor of Architectural Design in the School of Architecture at Carnegie Mellon University from 1990 to 2007. He is a graduate of Leadership Pittsburgh. He is a member of the Board of Pittsburgh Filmmakers / Pittsburgh Center for the Arts, and he served as President of the Board of Pittsburgh Filmmakers from 2000 to 2004.

Notable Project Experience:
College of Fine Arts Renovation, CMU - Code and Accessibility renovations in an iconic historic building
Warner Hall Study, CMU - Comparative analysis of options for reuse of 1960s era administration building
Resnick Dormitory Renovation, CMU - Forensic analysis and remedial reconstruction of failed masonry structures
The Palace Theatre Restoration, Greensburg, PA - seven year multi-phase project including back-of- house, house, and stage renovations
Mt. Alvernia Motherhouse Renovation, Pittsburgh - renovation of a circa 1900 convent and design of new Nursing Home
Little Sisters of the Poor, Pittsburgh - new construction, renovation, and restoration for skilled care, senior apartments, offices and chapel
R.B. Harrison Village Reconstruction, McKeesport - Master Planning & building design for renovation of 5 apt. buildings
Fayette County Housing Authority, Master Planning - leading to projects for 3 new neighborhoods
Glen Hazel High Rise Renovation, Pittsburgh - complete renovation of a fully and continuously occupied high-rise
Oak Hill, Phase II, Pittsburgh - Master Planning for more than 450 new dwellings in 7 sub phases
West Park Court, Pittsburgh - Design and installation of advanced 'rainscreen' walls on a fully occupied high rise
Steel City Terrace, Pittsburgh - A 156 unit HOPE VI new neighborhood accomplished in 4 continuous phases

Jan Irvin, AIA, LEED AP

Senior Associate **Perfido Weiskopf Wagstaff + Goettel**

Education
B.Arch Kent State University 1980 M. Arts
Pittsburgh Theological Seminary, 1996
Registration
Registered Architect in PA
Professional Association
American Institute of Architects

Jan Lyle Irvin has practiced architecture for the last 25 years across a broad spectrum of users and project types. These include master planning of residential communities, neighborhood infill housing, historic restoration, museums, educational facilities from K-12 through university, hospitals, labs, assisted living and commercial structures. Since joining PWWG in 2003 Jan has utilized such emerging technologies as prefabricated modular housing units and pressure-equalized rain screen wall design for various projects. He has extensive experience with renovations and additions (including adaptive reuse). Jan brings to the firm an unusual appreciation of the connections between design, constructability, and in-service performance. He has led workshops for staff and for local architects on construction specifications. He also develops and implements many of the firm's quality management initiatives.

Notable Project Experience
National Center for Youth Science Education, Davis WV - Master plan study for year round science education facility.
Drake Well Museum, Titusville, PA – 24,000 sf renovation and additions located at historic oil discovery site.
McClintock Oil Well and Drake Well Standard Oil Rig, Titusville area – preservation of historic oil structures.
Fort Pitt Museum, Pittsburgh PA - repairs to 450 lf of replica bastion walls, stone capstone and interior HVAC.
West Park Court, Pittsburgh PA – 10 story apartment building renovation including new metal panel facade.
MHA Scattered Sites, McKeesport, PA – 20 single family, prefab modular units, neighborhood reconstruction.
Heritage Health Foundation, Braddock, PA – 4 single family, prefab modular infill units and 2 renovations.
Laurel Estates, Uniontown, PA - 56 single, duplex, and triplex homes with community building.
Oak Hill Master Planning, Pittsburgh, PA – 37 acre site, 450 unit mixed income development.
Master Planning, Fort Mason & Crawford Village, PA – reconnection and redesign of public housing sites.
Pittsburgh Public Schools, Pittsburgh, PA – Weil Technology, South Hills Middle and South Stadium renovations.
Thomas Hughes House, Jefferson, PA – Adaptive reuse of 18th century home of Whiskey Rebellion leader.
Laboratory Design, Carnegie Mellon University – biochemistry, general chemistry and NMR lab renovations.
Pristine Pines Assisted Living, Pittsburgh PA – 56 unit, 77 bed new facility with Alzheimer wing.
J. Crew, Pittsburgh PA – two story retail store in dense urban shopping district.

Richard Miller, AIA, LEED AP

Senior Associate **Perfido Weiskopf Wagstaff + Goettel**

Education
Carnegie Mellon University
Bachelor of Architecture, 1975
Registration
Registered Architect in PA and MD
Professional Association
American Institute of Architects
CSI - CCCA (Certified Construction Contract Administrator)

Richard has over 30 years of experience with a wide range of building types including new construction and renovations. In addition to serving as a project manager on projects, he has managed the construction administration of jobs ranging in value from $100,000 to well over $50,000,000. Richard oversees the construction administration phase of all PWWG projects and personally handles the construction administration for the firms largest and most demanding projects. He also plays a critical role in our quality control process, bringing seasoned field experience to the review of project design and documentation.

Notable Project Experience:
Oglebay Hall & Ming Hsieh Hall, West Virginia University - 55,000 sf historic renovation and 20,000 new building, LEED
Information Science & Technology Building, Penn State University - $50 million academic building
West General Robinson Street Garage, Pittsburgh - 10 story event garage with 1200 spaces
Pittsburgh International Airport, Pittsburgh, PA - addition of private/public elevators in the airside terminal
McKeesport Housing Authority, McKeesport, PA - master planning and design implementation for public housing
Community Building, Clairton, PA - renovation and addition to community facility for housing development
Hope VI - Allequippa Terrace, Pittsburgh, PA - planning and apartment design for market rate/public housing
Little Sisters of the Poor, Pittsburgh - renovation and restoration of an historic building for senior recreation and social services and administrative offices
Glen Hazel High Rise Renovation, Pittsburgh - complete renovation of a fully and continuously occupied high-rise
Vermeire Manor Apartments, Phase I and Phase II - Additions and renovations to convert efficiencies in a 79-unit building to one bedroom apartments with expanded living space
Pennsylvania Capital Peristyle Deck Harrisburg - Investigation, analysis and design for waterproofing the exterior peristyle walkway at the base of the ornate dome of the historic PA State Capital Building.

Carl Bolton, AIA

Associate **Perfido Weiskopf Wagstaff + Goettel**

Education
Virginia Polytechnic Institute & State University
Master of Architecture, 2001
University of Bridgeport
Bachelor of Fine Arts, 1987
Registration
Registered Architect in PA
Professional Association
American Institute of Architects
AIA Pittsburgh Board of Directors (2007-present)
Awards
Henry H. Wiss Prize, AIA Professional Degree Scholarship

Carl Bolton is a project architect with 9 years of experience in various types of projects including higher education, institutional, multifamily housing and master planning. Prior to joining PWWG he was employed as a graphic designer with over 10 years experience in corporate identity, advertising, and product packaging. This expertise has enhanced our ability to offer additional client services in building signage and way finding, and reinforces our commitment to an integrated building design which is connected to its surroundings. Carl has been heavily involved in a variety of master planning projects from multifamily housing to long range institutional planning. He is especially interested in the renovation and adaptive reuse of existing structures for new uses, and brings an appreciation for the variety of scale that defines successful architectural design. His duties also include a variety of Pennsylvania Historic and Museum Commission projects where attention to historical accuracy is essential. One recent assignment was project team member on the Oglebay Hall Renovation and Addition. This project included an extensive renovation of the historic 1918 exterior masonry façade, a complete interior refit for forensic laboratories, as well as a new addition. A central theme of this renovation was tying the building and addition into the reorganized fabric of pedestrian routes and vehicle circulation. Carl serves on the AIA Pittsburgh Board of Directors.

Notable Project Experience
Oglebay Hall & Ming Hsieh Hall, West Virginia University - 55,000 sf historic renovation and 20,000 new building, LEED
Information Science & Technology Building, Penn State University - $50 million academic building
College of Fine Arts, Carnegie Mellon University - Interior renovations for building code compliance
Drake Well Museum, Titusville, PA – 24,000 sf renovation and additions located at historic oil discovery site
West General Robinson Street Garage, Pittsburgh - 10 story event garage with 1200 spaces
Wadsworth Hall, Pittsburgh, PA – 9,000 SF Community Center renovation
McKeesport Housing Authority, McKeesport, PA - master planning and design implementation for public housing
Warner Hall, Carnegie Mellon University - planning study for administration building
Oak Hill Master Planning, Pittsburgh, PA – 37 acre site, 450 unit mixed income development
Railroad Museum of Pennsylvania, Strasburg, PA – Master planning

PERFIDO WEISKOPF WAGSTAFF + GOETTEL

Moment Engineers, Inc.

Structural Engineering

MOMENT engineers, inc.

Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 2005. During his more than 20 years of experience, Mr. Richardson has had sole responsibility for the structural engineering design of more than 5 million square feet of built space. The construction costs of these projects exceeded a half billion dollars. His experience, which ranges from small to very large multi-phase projects, is invaluable in providing the technical expertise and creative flexibility to deliver results in a prompt and reliable manner.

Our staff's experience encompasses a wide variety of building types and sectors, and our expertise includes design analysis for steel, concrete, masonry, and wooden structures. At Moment Engineers, we recognize that the architect is the primary contact for the building owner. Our role is to strengthen that relationship by producing high quality designs in a prompt and cost effective manner. To that end, we emphasize incorporating traditional and technical means of communication and data transfer to ensure a seamless integration of structural integrity and architectural creativity. We believe that the practice of engineering is the point at which science and society meet. We also believe that the architects and builders we serve are essential in the development of the fundamental dignity of the community. Moment Engineers is strongly committed to developing structural solutions which bring permanence and strength to the expression of architectural thought.

CJL Engineering

Mechanical, Electrical, Plumbing & Fire Protection Engineering

CJL ENGINEERING

CJL Engineering is a multi-disciplined Mechanical/Electrical/Civil consulting engineering firm that offers a full range of services, including analysis and concept, construction budgeting, detailed construction documentation and construction administration. With offices in Pittsburgh, Johnstown, PA, and Youngstown, OH, CJL has a combined staff of 108 personnel. The office was established in 1938. CJL ENGINEERING has substantial experience in the design, construction and commissioning of high performance and LEED® certified buildings, emphasizing integrated design and operational strategies for sustainable site development, water conservation, energy efficiency, resource conservation, and indoor environmental quality. The areas of specialization include:

- HVAC Systems
- Building Management Systems
- Telecommunications
- Electrical Systems
- Power System/Quality Evaluations
- Life Cycle Analyses
- Retrofit Evaluations
- Plumbing
- LEED® Green Building Design
- Architectural Lighting & Controls
- Voice/Data/Audiovisual
- Security
- Energy Conservation Studies
- Civil Engineering
- Commissioning
- Fire Detection & Protection

GAI Consultants

Civil Engineering and Landscape Architecture

gai consultants

GAI Consultants, Inc. delivers professional and personalized consulting in the fields of engineering, planning, environmental, and construction services. Clients are provided exceptional value through full-service capabilities, state-of-the-art design, and talented, experienced staff.

Clients. GAI takes great pride in serving both public and private sector clients with whom the firm has developed long-term relationships. These include public utilities, transportation departments, federal, state and local governments, private developers, and private corporations. People. The employee-owned firm consists of a team of more than 450 highly dedicated and talented engineers, scientists, planners, environmental specialists, construction specialists, and support staff that are known for their solid professional reputations, and personalized quality service. Ideals. Built on 45 years of a strong vision and mission, GAI's ethics, principles, and core values guide the firm and the work. GAI is committed to the success of clients and employees. Quality, respect, innovation, and teamwork are the values that drive the company. Work. Simply put, GAI is in this business to deliver successful projects to the clients, and to help them exceed the expectations of the communities that they serve.

Morgan Property & Construction Consultants

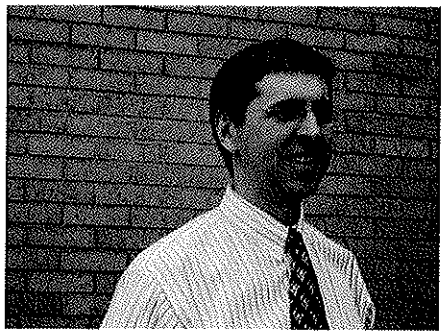
Cost Estimating

MORGAN
PROPERTY &
CONSTRUCTION
CONSULTANTS

Morgan Property & Construction Consultants works to recognize an Owner's or Architect's needs and support those needs by utilizing our knowledge of the construction process, provide ongoing support and creativity, and provide flexible choices as a response to their changing demands and cost associated with a project's timely and successful completion.

Morgan Kronk, President, has over thirty years of commercial/multi-family construction experience and has been beneficial to both architects and owners in understanding their costs and supporting their projects throughout construction. As an owner's representative, cost estimator or construction manager, he has provided measurable value to their projects.

Resume



Douglas R. Richardson, PE, LEED AP

President/Structural Engineer

Education

North Carolina State University, (8/87-5/89).

Masters of Science in Civil Engineering, major in structures and minor in construction.

GPA 4.0/4.0.

West Virginia University, (8/83-8/87)

Bachelors of Science in Civil Engineering.

Ranking: 1st out of approximately 450 College of Engineering graduates. GPA 3.98/4.0.

Professional Registration

Professional Engineer - WV #11699, MS #12349

Maintains active record with NCEES to facilitate prompt registration in additional states as required.

LEED Accredited Professional

Professional Affiliations

American Society of Civil Engineers

American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

Timber Framers Guild

US Green Building Council

MOMENT engineers, inc.

CJL ENGINEERING

PITTSBURGH ▼ JOHNSTOWN ▼ YOUNGSTOWN

James M. Vizzini, P.E. LEED® Accredited Professional

James M. Vizzini is a Managing Partner of CJL Engineering, responsible for management decisions, current projects, architect and client relationships and new business development. He is LEED® Accredited by the U.S. Green Building Council.

Mr. Vizzini serves as a project engineer and with the design of HVAC systems for various commercial and institutional projects, as well as various elementary and secondary schools, universities, health care facilities and commercial projects. These range from large equipment replacement such as boilers and air handling units, CFC upgrades and chiller replacements to entire HVAC systems design. He has also been the project engineer on various Department of General Services projects for the Commonwealth of Pennsylvania. Mr. Vizzini's projects include:

Comprehensive Facility Assessments and Master Plans:

Allegheny College, Meadville, PA
Bloomsburg University, Bloomsburg, PA
Carlow University, Pittsburgh, PA
Clarion University, Clarion, PA
Community College of Allegheny County, Pittsburgh, PA
Community College of Beaver County, Monaca, PA
Dana Hall School, Wellesley, MA
East Stroudsburg University, East Stroudsburg, PA
Illinois Wesleyan University, Bloomington, IL
Lehigh Carbon Community College, Schnecksville, PA
The Pennsylvania State University - West Campus, University Park, PA
University of Pittsburgh (5 Regional Campuses, 94-buildings)
University of Pittsburgh, Pittsburgh, PA (Oakland Student Housing)
West Virginia University, Morgantown, WV

Additional Projects:

Oglebay Hall (LEED Silver) West Virginia University, Morgantown, WV

DiSepio Health & Wellness Center (LEED Compliant) St. Francis University, Loretto, PA

Water's Edge (LEED Silver), Pittsburgh Zoo and PPG Aquarium, Pittsburgh, PA

Jamestown Dual-Rink Ice Arena, Jamestown, NY

Biotech Research Facility, University of Pittsburgh, Pittsburgh, PA

Cambria County War Memorial (Renovation), Johnstown, PA

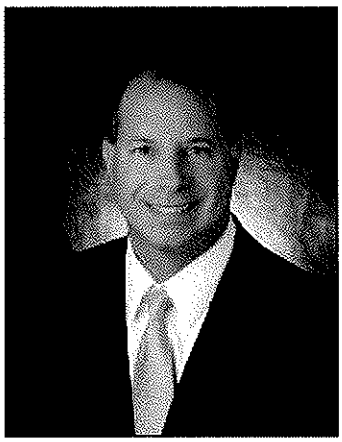
Chevron Science Center (Renovation), University of Pittsburgh, Pittsburgh, PA

Westinghouse Building - Chilled Water Plant, Pittsburgh, PA

Community College of Allegheny County, Pittsburgh, PA

Franklin Science Center (Renovation), Shippensburg University, Shippensburg, PA

Upper Campus-Chilled Water Plant, University of Pittsburgh, Pittsburgh, PA



TITLE:
Managing Partner

SPECIALIZATION:
Mechanical Engineering
Master Planning
District Cooling Plants

EDUCATION:

B.S. / 1987 / Mechanical Engineering Technology
University of Pittsburgh at Johnstown

REGISTERED PROFESSIONAL ENGINEER:

Pennsylvania
District of Columbia
Maryland
New Jersey
Virginia
West Virginia
North Carolina
Delaware
Massachusetts

MEMBERSHIPS/ACTIVITIES:

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

Pennsylvania Society of Professional Engineers (PSPE)

National Society of Professional Engineers (NSPE)

U.S. Green Building Council (USGBC)

CJL ENGINEERING

PITTSBURGH ▼ JOHNSTOWN ▼ YOUNGSTOWN

Rodney A. Wolfe, P.E.

Rodney A. Wolfe is an Electrical Engineer and Principal of CJL Engineering. He is responsible for overseeing the electrical drafting, design and specifications of projects to assure compliance with local, state and federal codes, regulations and standards, establish company electrical design criteria, and schedule electrical department personnel to complete project assignments.

Mr. Wolfe is involved in the design and specification of low and medium voltage distribution systems, lighting systems, emergency power systems, local area networks, sound and communications systems and site utilities. His noteworthy projects include:

Comprehensive Facility Assessments and Master Plans:

Allegheny College, Meadville, PA
Bloomsburg University, Bloomsburg, PA
Carlow University, Pittsburgh, PA
Clarion University, Clarion, PA
Community College of Allegheny County, Pittsburgh, PA
East Stroudsburg University, East Stroudsburg, PA
Lehigh Carbon Community College, Schnecksville, PA
University of Pittsburgh (5 Regional Campuses, 94-buildings)
University of Pittsburgh (Oakland Student Housing), Pittsburgh, PA

Additional Projects:

Water's Edge – Polar Bear Exhibit (LEED Silver), Pittsburgh Zoo and PPG Aquarium, Pittsburgh, PA

Edinboro University of Pennsylvania – Institute for Human Services and Civility (LEED Silver), Edinboro, PA

West Chester University – E.O. Bull Center, West Chester, PA

University of Pittsburgh at Johnstown, Owen Library, Johnstown, PA

Cambria County War Memorial Arena, Central Chilled Water Plant, plus Arena Expansion/Renovation, Johnstown, PA

Jamestown Dual-Rink Ice Arena and District Cooling System Chilled Water Plant, Jamestown, NY

Garrett County Memorial Hospital, Oakland, MD

University of Pittsburgh at Johnstown, renovation of five dormitories, Johnstown, PA

University of Pittsburgh at Greensburg, Greensburg, PA

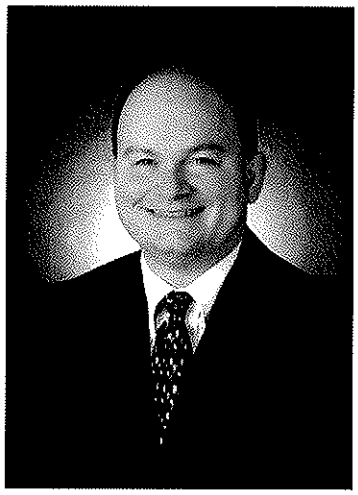
Greater Johnstown School District – new High School, Johnstown, PA

Gateway Area School District, Monroeville, PA

McKeesport Area School District, McKeesport, PA

Norwin School District, North Huntingdon, PA

State Correctional Institution - Huntingdon, Huntingdon, PA



TITLE:
Principal

SPECIALIZATION:
Electrical Engineering
Primary Power
Healthcare
Schools K-12
Colleges and Universities

EDUCATION:

B.S. / 1988 / Electrical Engineering
University of Pittsburgh

REGISTERED PROFESSIONAL ENGINEER:

Pennsylvania
Maryland
Ohio
West Virginia

MEMBERSHIPS/ACTIVITIES:

Member of the Building Industry Consulting Service International (BICSI)

Pennsylvania Society of Professional Engineers (PSPE)

National Society of Professional Engineers (NSPE)

CJL ENGINEERING

PITTSBURGH ▼ JOHNSTOWN ▼ YOUNGSTOWN

Bruce A. Grasser, P.E. *LEED® Accredited Professional*

Bruce Grasser is a Senior Associate of CJL Engineering who joined the firm in 2000. Previously, Mr. Grasser provided technical engineering services for various power plant locations owned by GPU Genco (Penelec), Johnstown, PA.

As Senior Associate, Mr. Grasser is responsible for the design and specification of HVAC and other mechanical systems for commercial, institutional, industrial, and private clients. He surveys existing facilities and systems to confirm and evaluate their condition. He conducts engineering studies, establishes design criteria, and estimates project costs. He is also responsible for communicating project needs and requirements between owner, architect, engineer and contractor as well as managing in-house design efforts.

Comprehensive Facility Assessments and Master Plans:

Carlow University, Pittsburgh, PA

Northside Medical Center (Forum Health), Youngstown, OH

Additional Projects:

Akron Children's Hospital at Beeghley Medical Park, Boardman, OH

Bluefield Regional Medical Center, (Master Plan / OR-HVAC Replacement / East Wing HVAC Upgrade), Bluefield, WV

St. Francis University - DiSepio Institute for Rural Health and Wellness Center, St. Francis University, Loretto, PA

Elk Regional Medical Center, Biomass Boiler, St. Marys, PA

Garrett County Memorial Hospital, (Replacement of Air-Handling Unit #1, New Emergency Generator), Oakland, MD

Trumbull Memorial Hospital, (Emergency Generator Replacement / Chilled Water Line Extension), Warren, OH

Hamot Medical Center, (Bayview Medical Office Building / Women and Babies Center), Erie, PA

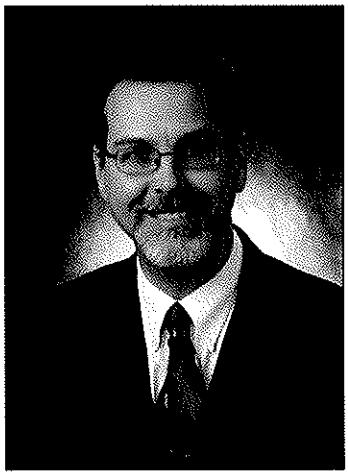
Mahoning Valley Hospital, (New Hospital for Long-Term Acute Care), Youngstown, OH

Point Park University, Dance Studio (LEED), Pittsburgh, PA

University of Pittsburgh, Trees Hall Natatorium, HVAC Study, Pittsburgh, PA

University of Pittsburgh at Johnstown, New Wellness Center, Owen Library Renovation, Oak Hall / Maple Hall / Laurel Hall, Johnstown, PA

Youngstown State University, Chiller Plant, Youngstown, OH



TITLE:
Senior Associate

SPECIALIZATION:
Mechanical Engineering

EDUCATION:
University of Pittsburgh at Johnstown

B.S. – Mechanical Engineering Technology - 1983

REGISTERED PROFESSIONAL ENGINEER:
Pennsylvania

MEMBERSHIPS / ACTIVITIES:
American Society of Mechanical Engineers (ASME)

American Society of Heating Refrigerating, and Air-Conditioning Engineers (ASHRAE)

Mr. Grasser served as President of ASHRAE's Johnstown Chapter in 1988-89, winning the Region III Best Chapter Award, and as the ASHRAE Region III Chapter Regional Conference Co-Chairman in 1991

David Gilmore, RLA, CLARB

Landscape Architectural Services Manager; Land Development Services Manager

Education

BSLA, College of Agriculture & Forestry, 1988 West Virginia University

Professional Affiliations

American Society of Landscape Architects, ASLA
WV Chapter of American Society of Landscape Architects
Council of Landscape Architectural Review Board, CLARB

Professional Development

WVASLA State Licensing Board Member, 2003-2006
Past President, WVASLA
Executive Committee Member, WVASLA
Chairman, WVASLA Licensing and Sunset Review Committee
Judge, Senior Design Awards, West Virginia University

Registrations

Council of Landscape Architectural Registration Board Certified
West Virginia Professional Landscape Architect No. 247
Indiana Professional Landscape Architect No. LA 20700137
Pennsylvania Professional Landscape Architect No. LA 002737

Awards

- Merit Award (WVASLA): 'Hyper' Employee Plaza, Main Entrance Improvements
  Client: Dupont Company
- Merit Award (WVASLA): Florida Street Revitalization Master Plan
  Client: West Side Neighborhood Association

Professional Experience

Mr. Gilmore has 20 years of experience on a diverse range of projects encompassing all aspects of land development and landscape architectural design in both the public and private sector. Experience includes, but is not limited to: project and office management, construction document and technical specification preparation, site analysis, schematic design, construction administration, master & land-use planning (resort, parks, recreational, residential, industrial, commercial), streetscape and municipality improvements, landscape and hardscape design, graphic presentation drawing.

Campus Planning / Institutional / Hospitals:

- Dow - South Charleston Plant
- Beckley Federal Courthouse Security Upgrades
- Charleston Area Medical Center Memorial Park
- King's Daughters Medical Center
- WVU Gateway Study
- Town of Fayetteville Cemetery Master plan
- Trinity Lutheran Church Columbarium Master Plan
- First Presbyterian Church Columbarium Master Plan
- Yeager Airport Master Plan
- The Church of Jesus Christ of Latter-Day Saints, Multiple Projects
- Marshall University Dormitory / Alumni Center
- West Virginia University Dormitory, Evansdale Campus
- West Virginia University Dormitory, Downtown Campus

- Potomac State Dormitory
- West Virginia State Student Housing, Institute, West Virginia

Parks & Recreation:

- Stonewall Jackson State Park Masterplan, Roanoke, West Virginia
- Dow Heritage Park, Charleston, West Virginia
- Charleston Area Medical Center General Division Employee Park, Charleston, West Virginia
- Dupont 'Hyper' Plaza, Belle, West Virginia
- Ohio to Erie Trail, Multiple Counties, Ohio
- Coonskin Park , Charleston, West Virginia

Development / Site Planning:

- Cheat Landing Office Park, Morgantown, West Virginia
- The Villages at Cheat Landing, Morgantown, West Virginia
- Stonegate at Cranberry, Cranberry Township, Pennsylvania
- Chesapeake Energy Regional Headquarters, Charleston, West Virginia
- Chesapeake Energy Field Office, Jane Lew, West Virginia
- Chesapeake Energy Field Office, Mount Morris, Pennsylvania
- Chesapeake Energy Field Office, Honey Branch, Kentucky
- Ridge Run @ North Camp, Wisp Ski Resort, Deep Creek Maryland
- Cambridge Place Office Park, Bridgeport, West Virginia
- Stonewall Jackson State Park Masterplan, Roanoke, West Virginia
- Land-use Study / Development Alternatives, Aspen Corporation, Lewisburg, West Virginia
- Commerce Park Mixed-use Development Masterplan, Huntington, West Virginia
- Fort Boreman Mixed-use Development Masterplan, Parkersburg, West Virginia
- Wilkerson Dental Office, Charleston, West Virginia
- Ocean Isle Beach Resort Masterplan, Ocean Isle, South Carloina
- 5/3 Bank, Cross Lanes, WV.
- Banc One, Teays Valley WV

Streetscape / Urban Revitalization:

- Pennsylvania Street, Carmel Indiana
- St. Albans Master Plan, St. Albans, WV.
- St Albans Phase I
- St. Albans Phase II
- Pennsylvania Avenue Gateway, Charleston, WV
- Florida Street Revitalization Master Plan, Charleston, WV.
- Williamson Master Plan, Williamson, WV.
- MacCorkle Avenue Greenspace Improvements, Kanawha City, WV.
- Kanawha Valley Rapid Transit Shelter/Plaza Design

Residential Planning & Landscape Design:

- < 500 Projects

James Hemme, P.E., L.R.S.

Environmental Services Manager

Education

B.S. Civil Engineering, 1989 West Virginia University Institute of Technology
Marshall University Graduate College – Various Courses in Environmental Engineering

Registrations

West Virginia Professional Engineer No. 12195
Kentucky Professional Engineer No. 25437
Ohio Professional Engineer No. 72851
Indiana Professional Engineer No. 10809277
Pennsylvania Professional Engineer No. 75494
New York Professional Engineer No. 85794
West Virginia Licensed Remediation Specialist No. 003

Professional Development

OSHA 40 hour Hazwopper Training
NICET 1 – Geosythetics Installation Inspection (expired)
Nuclear Density Gage Training – DOT and NRC (expired)
MSHA Safety Training (expired)

Awards

- National Radio Astronomy Observatory (NRAO) Wastewater Treatment Plant Design (Project Manager) – WV ACEC Gold Award
- Florida Street Streetscape Masterplan (Senior Engineer) - WV ASLA Honor Award
- Dupont Hyper Plaza Design (Senior Engineer) – WV ASLA Honor Award
- Kanawha Trestle Rail Trail Masterplan (Project Manager) – WV ASLA Merit Award and WV ACEC Silver Award
- April Dawn Park Sprayground "Teays Valley Monster" (Senior Engineer)–WV ASLA Honor Award and WV ACEC Gold Award
- Coldwater Creek Distribution Center Site Preparation (Project Manager) – WV ACEC Gold Award

Professional Experience

Mr. Hemme has a wide variety of experience with environmental, civil engineering, site development, streetscape, and planning projects while at GAI and through previous employment. He has worked extensively with private developers, architects, municipalities and governmental agencies. He is an expert in site engineering, NEPA compliance and storm water management. He has worked on landfills, quarries, mines, industrial, and commercial facilities. He has performed many Phase 1 environmental site assessments; solid waste, industrial waste, erosion and sediment control permitting; designed extensive storm water management systems; designed both large and small site developments ranging from 1 acres to over 60 acres in size; designed wetland mitigation areas; assisted in the preparation of geotechnical reports; flood plain modeling, highway/roadway design, right-of-way plans, prepared detailed construction plans and cost estimates for projects ranging from $10,000 to over $2 million in cost.

Representative Project Experience:

General Engineering and Permitting Experience:

- Site Design for over 100 different projects throughout WV, OH, KY and PA
- Design of over 50 storm water management systems
- Detailed design of over 100 different ponds, embankments and lagoons
- Preparation of over 100 detailed erosion and sediment control plans
- Preparation of over 100 NPDES Construction Storm water Permit Applications
- NEPA compliance for wetlands, streams, cultural resources, endangered species, etc.
- Phase 1 Environmental Site Assessments for a wide range of facilities

Site Development and Planning:

- Chesapeake Energy Regional Headquarters, Charleston, West Virginia (**LEED Project**)
- Chesapeake Energy Field Office, Jane Lew, West Virginia
- Chesapeake Energy Field Office, Mount Morris, Pennsylvania
- Chesapeake Energy Field Office, Honey Branch, Kentucky
- The Pines Country Club, Morgantown, West Virginia
- Dow Chemical South Charleston Plant – Entrance, Parking and Pedestrian Improvements
- Coldwater Creek Distribution Center and Wetland Mitigation in Parkersburg, WV
- Tamarack Phase 2 Expansion, Beckley, WV
- Morgan County Courthouse Replacement, Berkeley Springs, WV
- Greenbrier County Courthouse Annex and Expansion, Lewisburg, WV
- Marshall University Clinical Outreach and Education Center, Huntington, WV

Business Park and Subdivision Planning:

- Cheat Landing Office Park, Morgantown, West Virginia
- Ft. Boreman Development–Master Plan Site Preparation and Roadway Design, Parkersburg, WV
- The Villages at Cheat Landing, Morgantown, West Virginia
- Almost Heaven Habitat for Humanity – South Fork Crossing Subdivision, Pendleton Co., WV
- Stonegate at Cranberry, Cranberry Township, Pennsylvania

Parks & Recreation:

- Golf Club House and Lodge Site Development at Stonewall Jackson State Park
- Cedar Creek State Park Camp Ground Expansion, Glenville, West Virginia
- Dow Heritage Park, Charleston, West Virginia
- Fort Boreman Historic Park, Parkersburg, West Virginia
- Dupont 'Hyper' Plaza, Belle, West Virginia
- April Dawn Sprayground and Park "Teays Valley Monster"
- Rotary park Improvements, Huntington, WV

Streetscape and Trails

- Kanawha Trestle and Rail Trail Master Plan
- Florida Street Master Plan for the City of Charleston, West Side Neighborhood Association
- City of Richwood, West Virginia Streetscape Master Plan and Phase 1 Construction
- Phase 1 of the Florida Street Streetscape
- Washington Street East Phase 2 Streetscape, Charleston, WV
- Pennsylvania Avenue Streetscape, Charleston, WV
- City of Charleston, East End Design Cheret
- City of Charleston, "Think Tank" Design Cheret
- Volunteer in preparation of Greater Charleston Greenway Initiative by the WV Land Trust Co.
- Current volunteer with the Riverside South Committee / Charleston Land Trust
- North Bend Rail Trail Flood Damage Repair

Solid Waste Management and Engineering

- **Design and permitting for 50 different solid waste facilities in WV, VA, OH.**
- Berkeley County Solid Waste Authority – Siting Study regarding suitability of property
- North Fork Landfill – 50 acre landfill over previously deep mined area
- Nicholas County Landfill – Small rural landfill expansion with special steep slope design
- Disposal Service Landfill – Unique multi-stage expansion of a landfill including steep slope design
- Boone County Commission – Permitting of various solid waste transfer stations
- Page County Virginia – Comprehensive Countywide search for a regional landfill
- Anker Energy – Conceptual study to determine feasibility of fly ash disposal facility
- Elkem Metals – Fly ash landfill utilizing a geosynthetic clay liner and special slope design

Waste Water and Potable Water Design

- National Radio Astronomy Observatory – Design of a unique, non-mechanical, award winning treatment system that uses no electricity and treats the entire campus wastewater load.
- Manufactured Housing Development Waterline Replacement – Design of over 5 miles of water line within an existing 1000+ unit manufactured housing development.
- Huttonsville Correctional Facility – Retrofit design for temperature, grease and trash issues
- Anthony Correctional Center – Design of package water treatment plant for correctional facility
- St. Marys Correctional Facility – Retrofit design to address trash and grease issues
- Pocahontas County Landfill – Modular trickling sand filters with aeration pond and polishing wetland
- Mulitiple Landfills – Pre-treatment system design to remove high BOD levels prior to WWTP
- Storage Tank Design – Multiple bolted or welded steel tanks primarily for leachate storage

Abandoned Mine Land (AML) Reclamation and Acid Mine Drainage (AMD)Treatment

- Richard Mine Acid Mine Drainage – Treatment Alternatives Report, Monongalia County, WV
- Richard Mine Flow Monitoring Study – Design, installation, full time flow monitoring and reporting for a 1 year period on drainage from a substantial AMD discharge.
- East Branch Raccoon Creek AMD Treatment Design – ODNR
- Vens Run Landslide Reclamation #2 Design and Permitting – Harrison County, WV
- Whites Run Reclamation Permitting – Randolph County, WV

Charles F. Straley, P.E., P.L.S.

Engineering Manager / Geotechnical and CMS Services Manager

Education

B.S. Civil Engineering 1986, University of Akron

M.S. Geotechnical Engineering 1988, University of Akron

Registrations/Certifications

Professional Engineer, West Virginia, Ohio, Kentucky

Professional Licensed Surveyor, West Virginia

Relevant Training/Courses

Troxler Certified

40-hour Health and Safety Trained

8-hour Supervisor Health and Safety Trained

Affiliations

American Society of Civil Engineers

National Society of Professional Engineers

Society of American Military Engineers

Previous Employment

University of Akron, Private Consulting and Testing, 1986-1987

R&W Contracting and Excavating, Inc., 1982-1984 (summers)

West Virginia University Library, 1981-1982

Summary

Mr. Straley specializes in civil engineering with an emphasis in geotechnical engineering, including all aspects of subsurface exploration, laboratory testing, foundation and embankment design, slope stability, material and construction specifications, and construction administration, management and monitoring.

Professional Experience

Civil and Geotechnical Engineering

- Assistance and management of wetland mitigation including determination of existing wetlands acreage disturbed and reconstruction of wetlands. Mettiki Coal Corporation
- Assistance in reevaluating a plug and dike design to optimize construction by minimizing the number, length, and cross-sectional area without compromising structural integrity or limiting storage capacity. Americoal Development Company
- Assistance with drawdown field test and well yields and/or recharge analysis for over 15 wells. Peabody Coal Company; Southern Ohio Coal Company; and Eighty-Four Mining
- Assistance with identifying ground water and surface water monitoring points including discussions with the regulatory agencies for deep mines in Boone County, West Virginia and western Pennsylvania. Hobet Mining Company; Cyprus Emerald; and Cyprus Cumberland
- Assistance with the Nile Stone Slurry Impoundment in Mingo County, West Virginia. Design consisted of grading channels, culverts, and roads. Old Ben Coal Company
- Assistance with the preparation of construction documents for an earthen dam. Project includes evaluation of existing drainage structures, stormwater routing analysis, design of earth embankment, and design of a principle and emergency spillway. Lake Chaweva Homeowners Association

- Assistance with the sampling of sludge ponds in Institute, West Virginia. Rhone Poulenc AG
- Completed a permit revision application for additional area to be deep mined by long wall in Monongalia County, West Virginia. The application included geology, hydrogeology and subsidence control plan sections of a surface mine application. A ground water inventory and water samples were collected and analyzed for structures above the area to be mined. Eastern Associated Coal Corp. - Federal No. 2 Mine
- Managed, designed and performed stability analysis for 6 durable rock fills and 4 road fills for a mountain top removal mining operation at a proposed site in southern West Virginia. Performed stability analysis for reclamation plan and sediment pond embankments. Prepared the probable hydrogeologic consequence including evaluation of surface and ground water and acid base accounting of overburden for the DMM-4 Application. Coal Services Corporation
- Performed a feasibility study for the development of a 60 acre site for use as office park/light industry. The study included evaluation of access, utilities and earthwork. Marshall University
- Performed a Phase I Environmental Assessment for the West Virginia High Technology Consortium Foundation property located in Fairmont, West Virginia.
- Performed a study, evaluation, and design for a sanitary sewer (pump station and force main) extension for accommodation of proposed development of adjacent property. The project included evaluating the existing system capacity, the proposed system requirements, and the permitting requirements, and recommending the proposed extension. The project concluded with the hydraulic design of the recommended extension. West Virginia Division of Transportation
- Performed geotechnical analyses for obtaining a lift variance for a coal refuse disposal area. The analyses consisted for slope stability, combustion control and settlement issues. Northland Resources
- Performed geotechnical design of a multi-tie back soldier beam and lagging wall and flattening of slope for Pennsylvania 279-6B. Pennsylvania Department of Transportation.
- Performed periodic dam inspection and certification for three earthen dams at Blackwater Falls and Cacapon State Parks in West Virginia. West Virginia Department of Natural Resources, Parks and Recreation
- Performed permit modification for a municipal solid waste landfill substitution of geosynthetic clay liner for two feet of clay liner. S&S Grading, Inc.
- Performed Phase I Environmental Site Assessments. West Virginia High Technology Consortium Foundation, Fairmont, West Virginia. West Virginia Division of Highways Maintenance Facilities: Red House, West Virginia; Pt. Pleasant, West Virginia; Hurricane, West Virginia; and Midas Muffler Shop, St. Albans, West Virginia.
- Project designer for a feasibility study of Charleston Bicycle/Pedestrian Trail. Services addressed in the feasibility study included a field reconnaissance to identify, locate and verify the presence or absence of undesirable characteristics that could adversely affect the socioeconmics of the project; complete a conceptual design for a one way system (multi-use facility, bicycles and pedestrians on both levels) and a two-way system (separate use facility, bicycles on one level and pedestrians on other); and complete a cost estimate to construct the various alternatives. Regional Intergovernmental Council (RIC)
- Project designer for a three (3) mile wellness trail located parallel to the Little Coal River in Madison County, West Virginia. The design included a wellness trail, timber foot bridge, preparation of construction documents, bidding instructions, contractual agreements, and engineer cost estimate. Boone Memorial Hospital/West Virginia and Department of Transportation
- Project engineer for the widening, realignment and upgrade of Wilson Road in Garrett County, Maryland. Design included horizontal and vertical alignment, drainage structures, cut/fill areas, and pavement. Mettiki Coal Company
- Project Manager for a Phase I Environmental Assessment with drilling to determine possible contamination from leaking underground storage tanks for West Virginia Division of Highways maintenance facilities in Red House and Pt. Pleasant, West Virginia. West Virginia Division of Highways

- Project Manager for a Phase I Environmental Assessment with drilling to determine possible contamination from leaking underground storage tanks for a West Virginia Division of Highways maintenance facility in Hurricane, West Virginia. Additional delineation of the contaminant plume was performed by use of monitoring wells and Geoprobe. Developed Findings Reports including a Corrective Action Plan. West Virginia Division of Highways
- Project Manager for a Phase I Environmental Assessment with drilling to determine possible contamination from leaking underground storage tanks for West Virginia Division of Highways maintenance facilities in Red House and Pt. Pleasant, West Virginia. West Virginia Division of Highways
- Project manager for the South Ruffner Storm Water Management project in Charleston, West Virginia. The project included performing a comprehensive study of the drainage system and conceptual design of improvements to the drainage system. Designed Phase I of the improvements including twin aluminized-steel culverts and a concrete box culvert. City of Charleston

Landslides

- Design of and preparation of construction documents for a 600,000 cubic yard failed coal slurry impoundment as an emergency project. Activities included site grading, subsurface investigation, hydraulics and hydrology analysis, road re-design, mine seals, preparation of drawings and technical specifications, engineering cost estimate and pre-bid meeting presentation. West Virginia Department of Environmental Protection, Abandoned Mine Lands, Ned's Branch Emergency Reclamation
- Design, construction monitoring, and construction administration for two lake dredging projects. Activities included subsurface investigation, regulatory approvals, construction drawings, technical specifications, construction troubleshooting, cost estimating, daily reports, and client interaction. West Virginia Department of Natural Resources, Tomlinson Run State Park, Abandoned Mine Lands
- Inspected, evaluated and design repair alternatives for Spruce Island and Sand Run Dams in Tucker County, West Virginia. Design included evaluation and embankments, improvements to inlet and outlet works, and the geometry of the spillways. Permit applications for both dams were prepared. Timberline Association
- Inspected, evaluated and designed repair alternatives for Spruce Island and Sand Run Dams in Tucker County, West Virginia. Design included evaluation and improvement of slope stability for both earthen embankments, improvements to inlet and outlet works, and the geometry of the spillways. Permit applications for both dams were prepared. Timberline Association
- Managed and performed the geotechnical design including foundations, site grading and mine stabilization for the West Virginia University and NASA Independent Validity and Verification Center and the West Virginia High Technology Consortium Center in Fairmont, West Virginia. Hayes Large Architects, West Virginia High Technology Consortium.

RESUME

BIOGRAPHICAL

Name:	Morgan P. Kronk	**E-Mail Address:**	mpkcci@msn.com
Office Address:	Post Office Box 15540 Pittsburgh, PA 15244	**Office Phone:** **Cell Phone:**	(412) 787-0720 (412) 980-6601

BACKGROUND & EXPERIENCE

2001 – Present

MORGAN Property & Construction Consultant, Inc. — Principal
Robinson Township, Pennsylvania

We work to recognize an Owner's or Architect's needs and support those needs by utilizing our knowledge of the construction process, provide ongoing support and creativity, and provide flexible choices as a response to your changing demands and cost associated with a project's timely and successful completion. We will exceed our client's expectations and help create the optimum value of their projects.

1986 - 2001

Morgan Construction Companies — Principal
Robinson Township, Pennsylvania

Utilized my construction experience to help owners and architects to better understand and make best use of their construction dollars.
Completed over $40,000,000 of work as a general contractor with 90% of it for repeat clients.
Consultant for over $100,000,000 of construction projects. i.e.: conceptual estimating, estimating, value engineering and owner's representative.
My additional responsibilities for these businesses included estimating, project management, negotiating, sales for future projects, also performed value engineering studies and negotiated work to make best use of client's monies.

1977 – 1986

Tedco Construction Corporation — Vice President
Pittsburgh, Pennsylvania

Responsible for managing the functions of the estimating department, owner/architect relations, sales, subcontract purchasing, and project management. My primary responsibility was to perform value engineering studies and negotiate work to make best use of client's monies.

1975 – 1977

Massaro Corporation — Field Engineer
O'Hara Township, Pennsylvania — Estimator

Responsible for layout and surveying of new and renovation projects (1 year). Transferred into the office, estimated projects ranging from $10,000 to $10,000,000.

1974 – 1975	**Michael Baker Corporation** Beaver, Pennsylvania	Surveying Party Chief
1974 – 1975	**Corp of Engineers** Pittsburgh, Pennsylvania	Surveying Crew
1965 – 1995	**Delta Surveying** (Father's company) Imperial, Pennsylvania	Surveying Crew

COMMUNITY RESPONSIBILITIES

1994 – 2001	Bishop of Pittsburgh 6th Ward, Pittsburgh Pennsylvania Stake, The Church of Jesus Christ of Latter-Day Saints
1995 – Present	Pro Bono estimating and consulting for The Community of Design Center of Pittsburgh (housing projects)
2001 - Present	Judge of Elections, Robinson Township, Moon Run District, Pennsylvania

INSTRUCTOR

- Taught Construction Estimating at various local community colleges.
- Prepared and presented Conceptual Estimating seminars to architectural firms and associations

AWARDS

- Rotary International – Paul Harris Fellow
- 1987 Inc. Magazine Entrepreneur of the Year Finalist – "Construction/Developer" category

MEMBERSHIPS

Present:

- Rebecca Residence, Board of Directors (Secretary, Executive Committee)
- American Institute of Architects (Affiliate Member)
- Building Officials & Code Administrators (Affiliate Member)

Past:

- Board of Directors for the Associated Builders and Contractors
- Construction Specification Institute
- American Society of Professional Estimators
- Society of American Value Engineers
- American Arbitration Association
- Pennsylvania Association of Notaries

Statement Regarding Capacity to do the Work

This team has the skills and experience to provide the building and site evaluation services necessary to identify the best prospects for the property, and the skills and experience necessary to design the renovations for the adaptive reuse of the buildings and site. We regularly manage projects in the $30M range and up. We will commit those staff whose resumes are included in this proposal to the speedy execution of this work.

Statement Regarding Ownership of Documents

The team understands and agrees that the Agency will become the Owner of the documents produced by this work.

Statement of Knowledge of Codes

The team has considerable experience dealing with complex Code and regulatory requirements. The firm has worked on numerous projects with overlapping requirements where, for example, State adopted NFPA requirements supersede IBC requirements. We are very experienced with the submission and review process with the State Fire Marshal.

We also have individual expertise with Code issues. Alan Weiskopf, Managing Principal of PWWG, is Chairman of the Board of Standards and Appeals in Pittsburgh, the body which hears all applications for variance in the City. Sheldon Goettel, Principal of PWWG and Principal in Charge of this team, has served as 'Code Consultant' to Carnegie Mellon University for a series of projects involving existing and historic buildings. He recently authored and delivered a seminar titled 'Code Compliance in Historic Campus Structures' to the Spring Conference of 'KAPPA', a regional organization of college and university facilities planners.

Statement Regarding Litigation

There have been no complaints, and no litigation has been entered, against this firm by any agency in West Virginia.

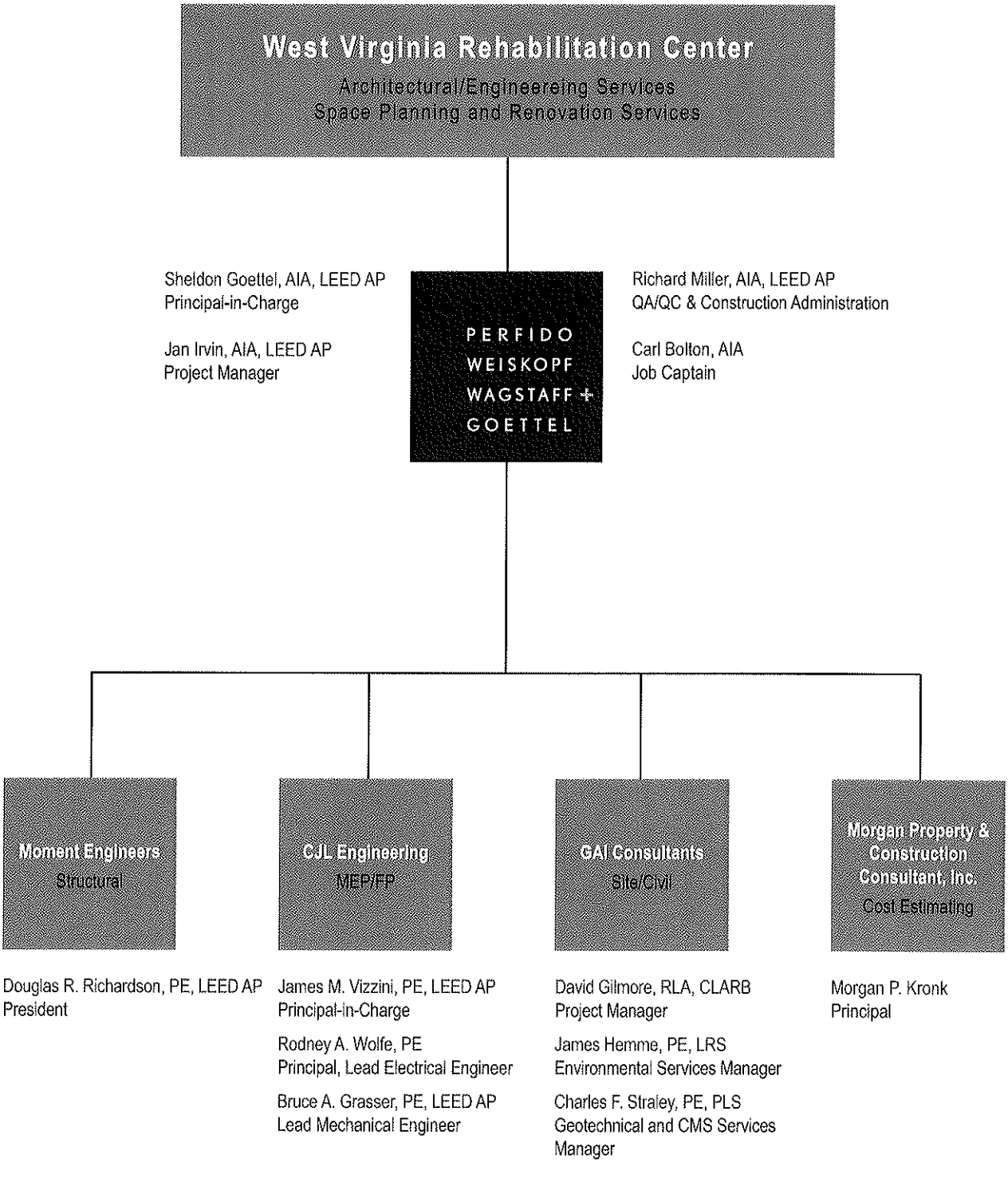
Project Organization

SECTION 3

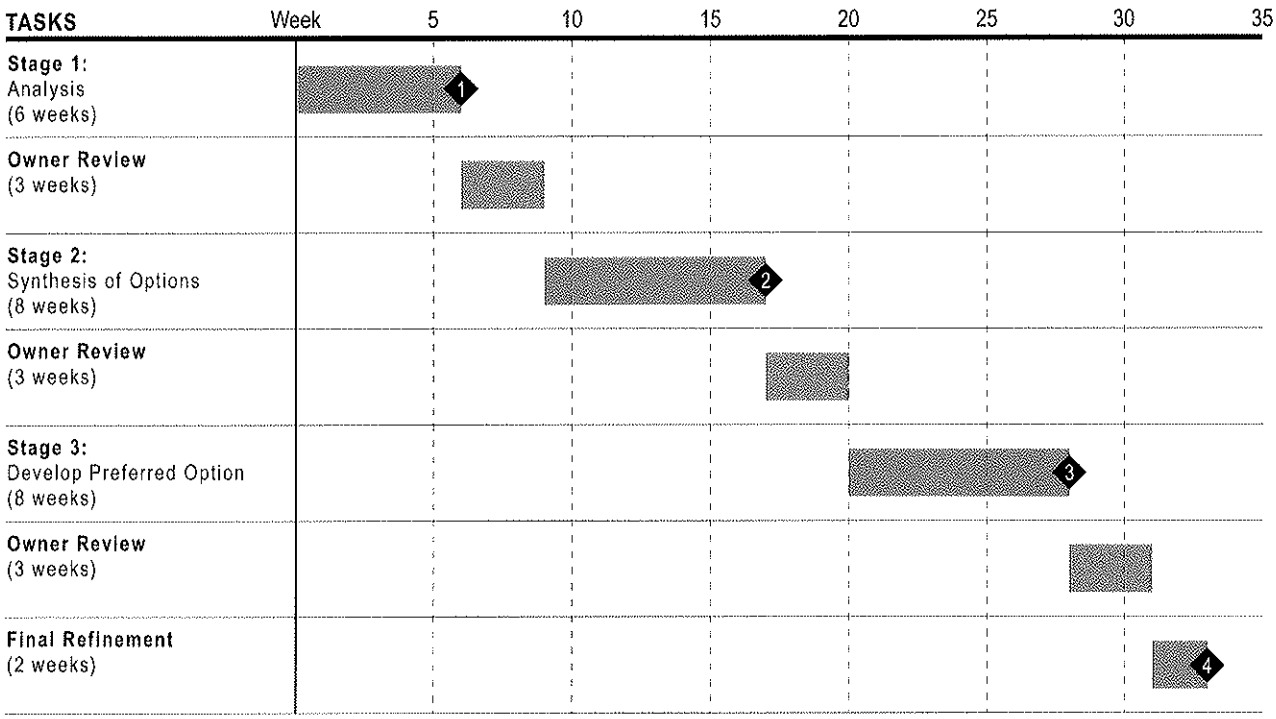
Organizational Chart

Proposed Project Schedule - Planning Phase

Organizational Chart



Proposed Project Schedule - Planning Phase



1 Milestones:
1: Stage 1 Presentation (End of Week 6)
2: Stage 2 Presentation (End of Week 17)
3: Stage 3 Presentation (End of Week 28)
4: Final Master Plan (End of Week 33)

PERFIDO WEISKOPF WAGSTAFF + GOETTEL

Demonstration of Experience

SECTION 4

Guide to Related Work
PWWG Projects
Consultant Firm Projects
PWWG References

The examples that follow divide into two broad categories that we believe will be of interest to those considering the West Virginia Rehabilitation Center campus:

- First: 'Master Planning, Facilities Planning, and Building Evaluations' where sites and in cases individual buildings have been evaluated and/or planned for new uses.
- Second: 'Adaptive Reuse' where buildings have been designed and renovated for new uses.

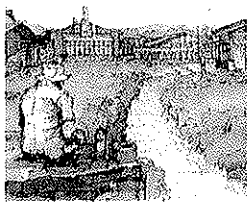
West Virginia State Capitol Rotunda

Many of our commissions have begun as building evaluations or planning studies to test the physical and cost feasibility of reuse, and with feasibility verified have continued to become successful adaptive renovations.

1. Master Planning, Facilities Planning, and Facilities Evaluation examples include:

Shaw Hall Evaluation at West Liberty University in West Liberty, WV
This is an evaluation of a 1905 National Historic Register building that was the first building on campus and served as a dormitory, dining hall, and classroom structure. It will be converted to a 'Visitors Center,' administrative offices, and business offices for WLU. Our firm has since been hired to design the adaptive reuse of the building and schematic design is underway.

Warner Hall Evaluation at Carnegie Mellon University
This was an evaluation of the salvage value of the structural frame and floor systems of an obsolete 1960s era administration building that had been scheduled for demolition. The study involved a comparative analysis of the costs of new construction and renovation. The conclusion was that the frame can be incorporated into new construction at a net savings of nearly $1M.



National Youth Science Foundation Camp

West Virginia State Capitol Rotunda Evaluation
This very detailed building evaluation focused on structural issues in the historic dome in the Rotunda. It lead directly to a successful and lasting program of remedial repair.

National Youth Science Foundation Camp Master Plan
This Facilities and Site Master Plan was just completed (in August 2010). It is a plan for a wholly new and year round camp for science education in the Canaan Valley, near Davis in Tucker County, WV. This plan is for a complete campus and includes classroom, lab, administration, social, dining, sleeping, and maintenance and support spaces. Our firm is responsible for planning and building design for all building types.

Bierer Wood Acres Master Plan
This Master Plan for a site in Uniontown PA converts a derelict former public housing project to a new senior-focused community. Our firm completed the planning in 2007 and in July 2010 was officially procured as the architect for the buildings. Applications for funding for the first phase, (of what are planned to be 3 phases), will be submitted in November of this year.

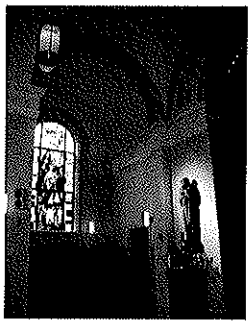
2. Projects for Adaptive Reuse / Renovations for New Uses include:

Building 3 on the State Capitol Campus in Charleston, WV
This 165,000 SF comprehensive renovation is budgeted at $30M. The project converts the former State DMV offices to a variety of new uses including a government conference center. This project is registered for LEED Certified Accreditation. Design is complete and the project is expected to go to bid in early 2011.

WVU Oglebay Hall

Hamburg Hall at Carnegie Mellon University
This converts a former United States Bureau of Mines regional administrative and materials testing facility to office and classroom space for Carnegie Mellon University. Renamed 'Hamburg Hall' the building is now home to the Heinz College of CMU and the School of Public Policy and Management.

Becht Hall at Clarion University
This project is in Design Development and converts an historic former residence and dining hall into a 'Student Service Center' and administrative offices. This project is registered for LEED Silver Accreditation.



Little Sisters of the Poor Chapel

2875 West Eighth Street
This project converts a derelict former carousel factory in Brooklyn, NY for use as a new District Office for the State of New York Department of Motor Vehicles. The DMV uses 40,000 SF. The remaining 8,000 SF are commercial rental. This a complex urban site and the project included new parking facilities for transient users of the DMV, and lease parking for residents in a nearby high rise.

Oglebay Hall & Ming Hsieh Hall at West Virginia University
This 'gut' renovation of a 1917 classroom building combines a 50,000 SF renovation with a 16,000 SF addition (called Ming Hsieh Hall) and is home to the WVU Forensic and Investigative Sciences program. The project combines new construction with renovation with historic restoration and was completed in 2008. It is the first LEED Certified project on the WVU main campus.

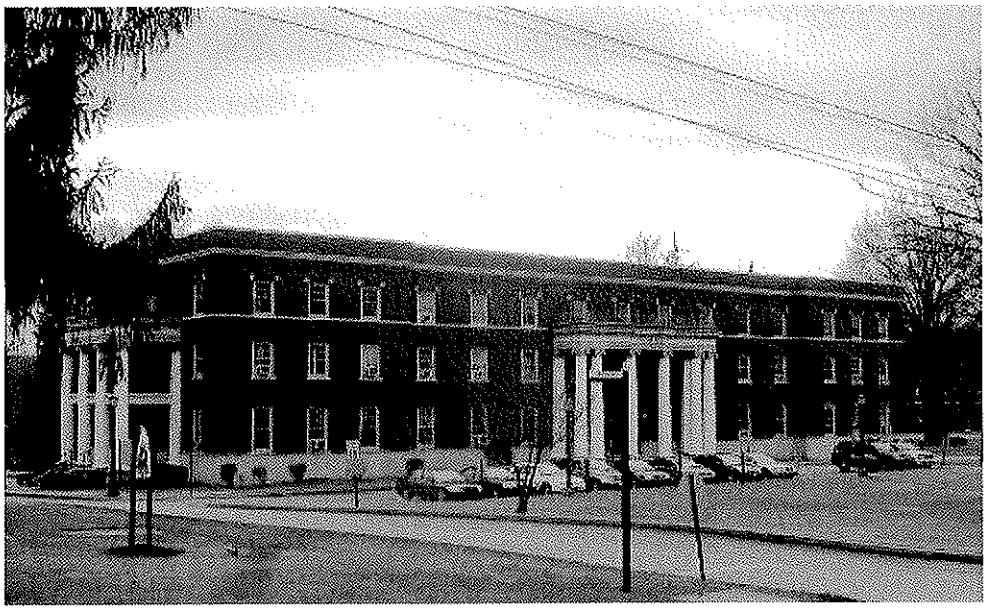
Little Sisters of the Poor
This is a small campus of buildings that is a mix of new construction and renovation that was accomplished in 4 major phases over 6 years. It includes a conversion of an apartment building to administrative offices, a conversion of an obsolete skilled nursing home into apartments for independent seniors, the restoration of a chapel, and the design and construction of an entirely new skilled care nursing facility. The vintage of the original buildings ranged from 1905 to 1970. Nearly all of the original construction belonging to the Sisters was reused.

In nearly 35 years of practice as architects and planners, our firm has planned and designed more adaptive, reconstructive, and renovation projects than new buildings. We understand the unique challenges of this kind of work. We take great pride in renewing and transforming older buildings, and returning them to service to provide efficient, attractive, and sustainable settings for new uses.

Shaw Hall Rehabilitation Study, West Liberty University

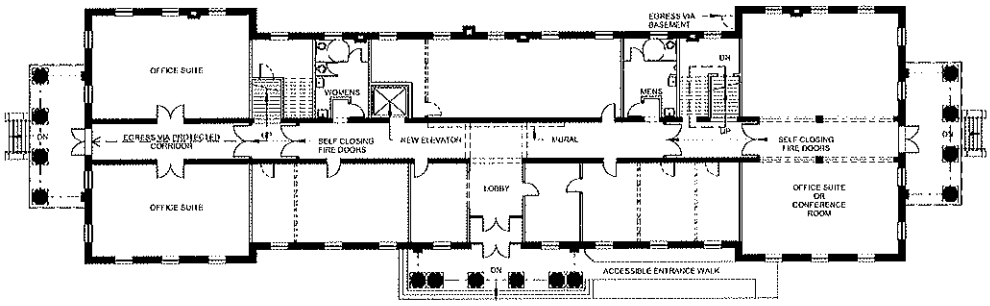
Pittsburgh, Pennsylvania **Perfido Weiskopf Wagstaff + Goettel**

Size 26,000 s.f.
Firm Responsibility
Code Review
Accessibility Review
Systems Evaluation
Scope of Work for
Renovation
Conceptual Cost Estimate
Completion Date
April 2009 (Evaluation)
Client
West Liberty State College



Historic Shaw Hall was constructed in 1919 and is the oldest building at West Liberty University. It was listed on the National Register of Historic Places 1996, is in sound structural condition, and occupies a key site on the main thoroughfare through campus. Shaw Hall was originally built as a residence hall with a first floor dining facility, was partially converted to offices in the 1970s, and for many years has been underutilized with the third floor left vacant.

PWWG was commissioned to prepare a study to identify the work that will be needed to repurpose and renovate all of Shaw Hall as administrative offices. The study included a detailed Building Code and Accessibility analysis; an assessment of the work needed to restore the exterior; conceptual architectural plans and MEP/FP systems, with options; and construction cost estimates. PWWG prepared the comprehensive study quickly and efficiently, providing the University with a concise picture of a complete project to adaptively reuse this important building. Importantly, West Liberty administrators were able to use the data to submit this project for future funding.



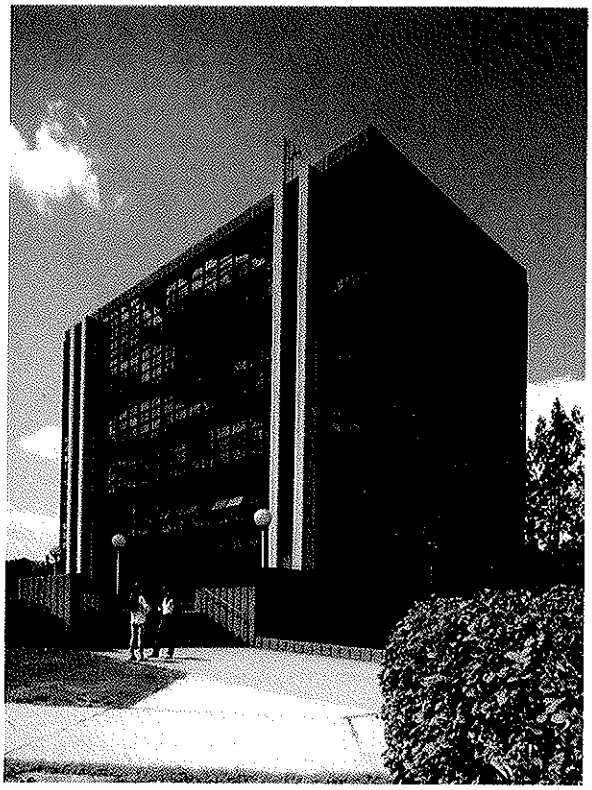
Shaw Hall First Floor Conceptual Plan

PERFIDO WEISKOPF WAGSTAFF + GOETTEL

Warner Hall Planning Study, Carnegie Mellon University

Pittsburgh, Pennsylvania **Perfido Weiskopf Wagstaff + Goettel**

Size 60,000 s.f.
Construction Cost
Not Applicable
Firm Responsibility
Feasibility Analysis
Planning
Cost Estimating
Completion Date 2004
Client
Carnegie Mellon University



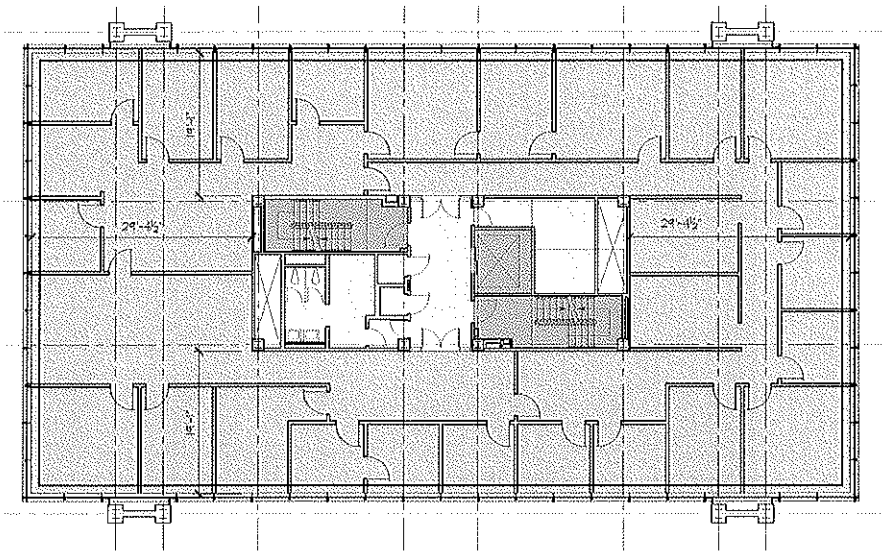
We were retained by the University to perform a comparative study of the merits of demolishing Warner Hall and building a new structure, versus stripping Warner Hall and reusing the "bones" of the building as elements of a substantially new facility.

Warner Hall is the main administration building for the school and provides offices and meeting spaces for the President, the Provost, Admissions, and Financial Aid. It was built in the 1960s on a prominent corner site at the "front door" to CMU: at the intersection of the academic campus and Forbes Avenue, and on a main quadrangle. Sometimes called the "flashcube", Warner Hall has proved problematic - expensive to operate and difficult to adapt to the changing standards and needs of the University. The shape of the floor plates are inefficient for both offices and open work space. The building's systems are obsolete, hard to access, and difficult to renew. The stair towers are too small, and challenging to modify due to masonry bounding walls. The curtainwall envelope is expensive to maintain, and the capacity of the elevators is inadequate.

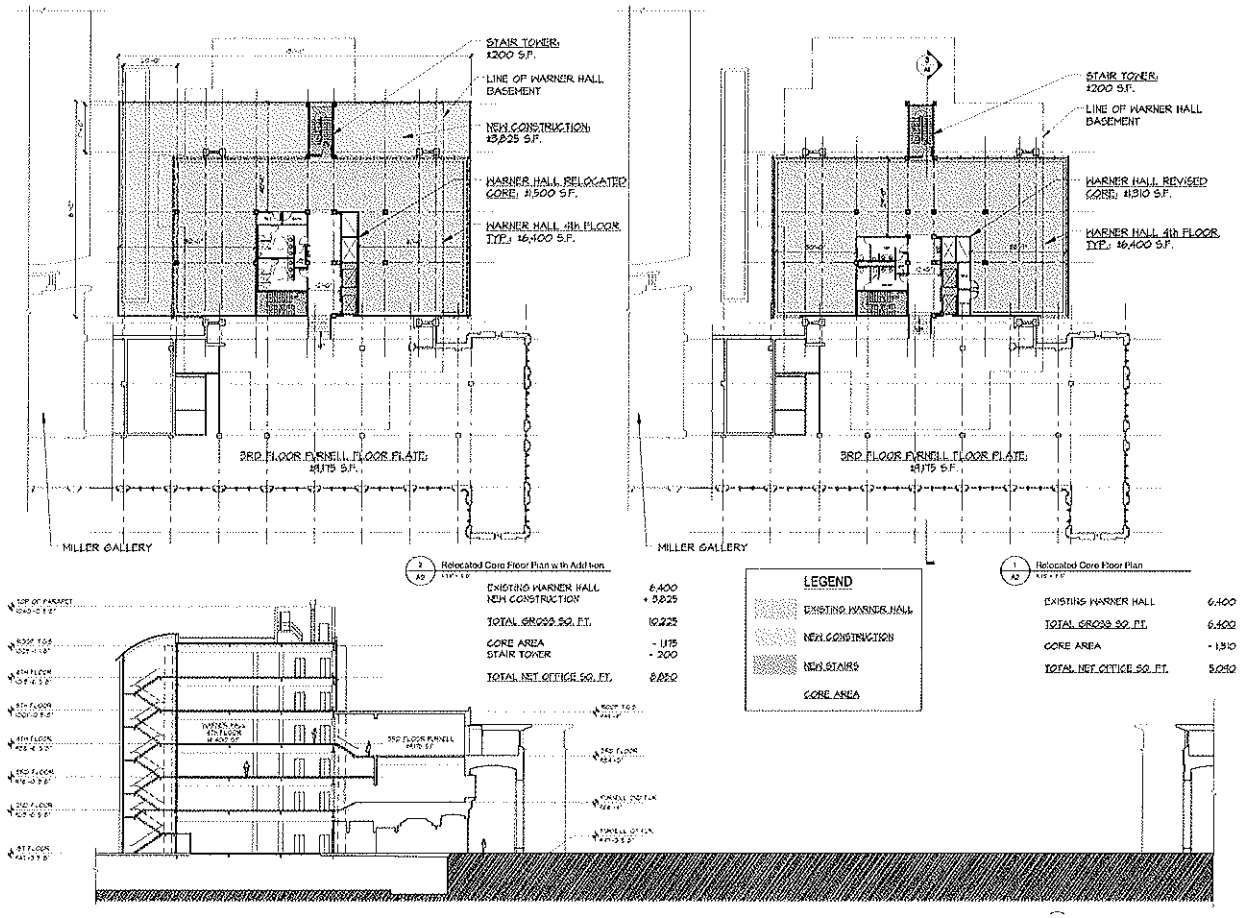
But the building has certain virtues. The structure has been abated and is in good condition. Warner Hall has a "footprint", a height and floor area that fit inside the University's Master Plan for building coverage and massing on this site. And the floor plate area, if it could be made more efficient, would accommodate much of the space needed for offices. These factors raised a question: could parts of the building be recycled?

The work began with the development of schematics of what a new building would look like given the space program and campus plan. It continued with an analysis of how existing elements of Warner Hall might be incorporated in the work without imposition on either the program or the campus plan. Line item budgets were developed for each alternative using a professional estimator. In the end, it was concluded that the structure of Warner Hall could be incorporated into a substantially new building at a savings of approximately $1,200,000. The cost of the study was less than $30,000, and the analysis was complete in 2 months.

PERFIDO WEISKOPF WAGSTAFF + GOETTEL



Existing Plan



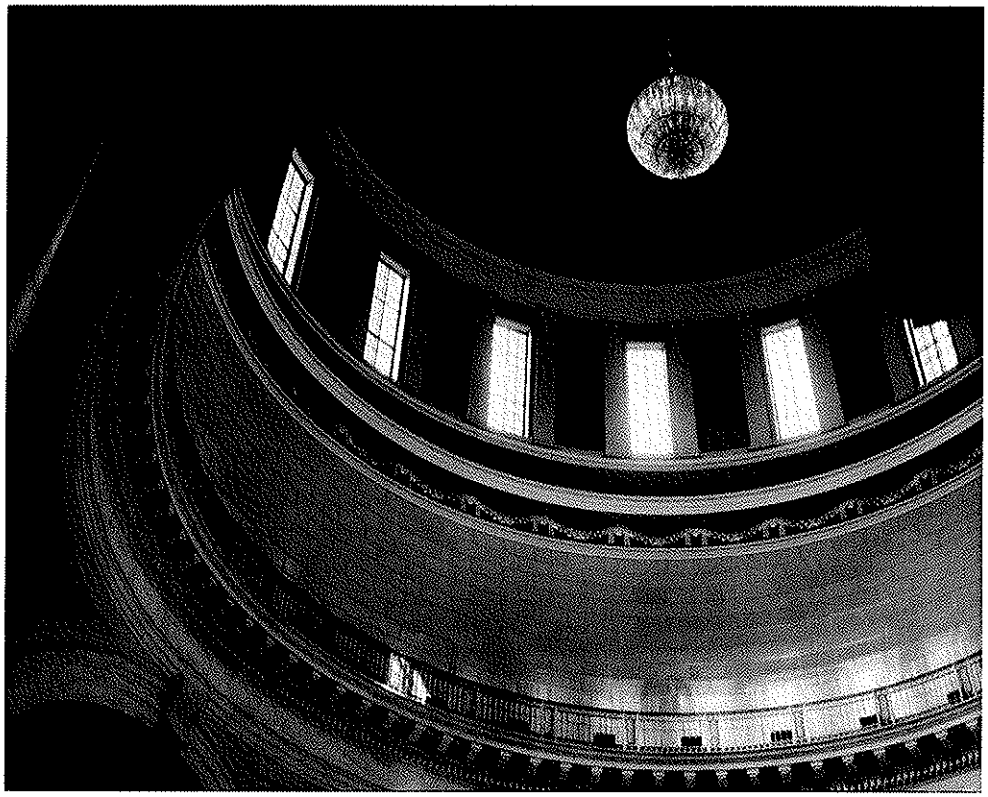
Planning Study - Option 2 - Relocated Core

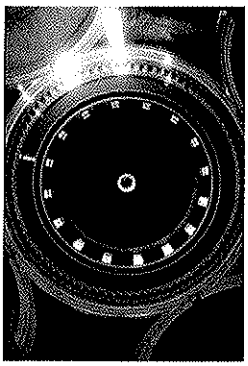
PERFIDO WEISKOPF WAGSTAFF + GOETTEL

West Virginia State Capitol Rotunda

Charleston, West Virginia **Perfido Weiskopf Wagstaff + Goettel**

Size Not Applicable
Construction Cost
$ 1,000,000
Firm Responsibility
Preservation Research
Architectural Design
Contract Documents
Contract Administration
Completion Date 1996
Client
State of West Virginia

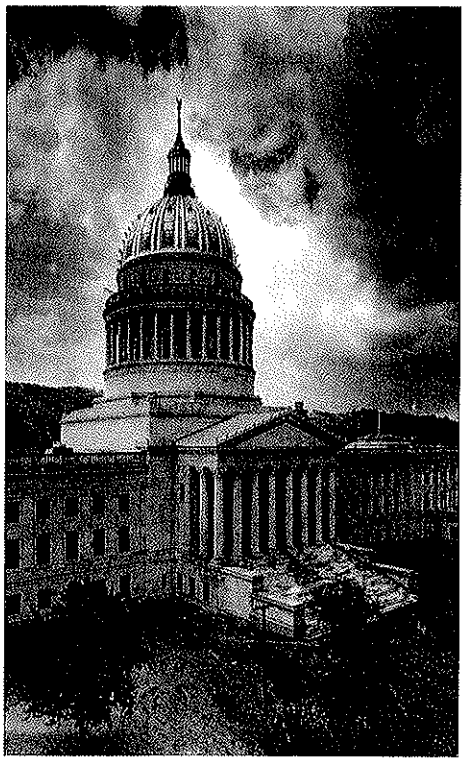




The West Virginia Capitol Rotunda project involved the restoration of the interior surfaces of West Virginia's main capitol dome and rotunda walls, and analysis and remedial repairs to substrate conditions affecting the inner surfaces of the dome and walls. In addition, the firm was responsible for preparing conceptual scaffolding designs, establishing detailed criteria for the final design, and engineering the scaffolding system that was to be chosen.

Detailed data collection and research were required in order to determine the original colors and materials. Working with our preservation consultant, Noble Preservation Services, we conducted on-site investigations to collect paint, plaster, mortar, and sealant samples and to document field conditions. A review of the State's archives confirmed the clues we obtained in the field as to the original methods used to construct and paint the dome.

Remedial work beyond the interior finishing included the removal of deteriorated exterior stone sealant joints and their replacement with lead-capped joints, as well as the relining of an interior gutter around the base of the inner plaster dome that was designed to shed water infiltration. The work included a detailed analysis of the hollow, clay-tile fireproofing and extensively cracked walls, and the design of appropriate remedial repair.



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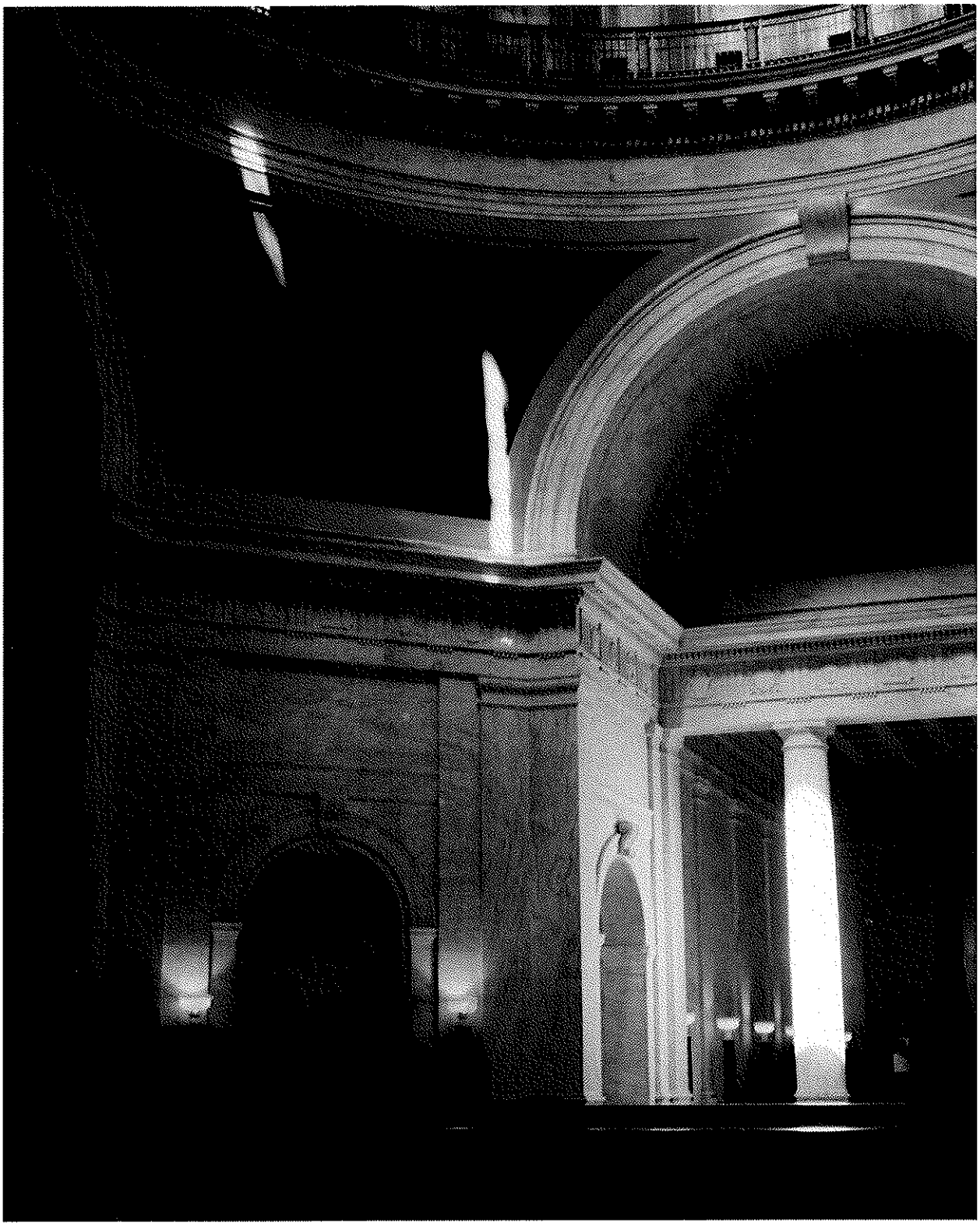

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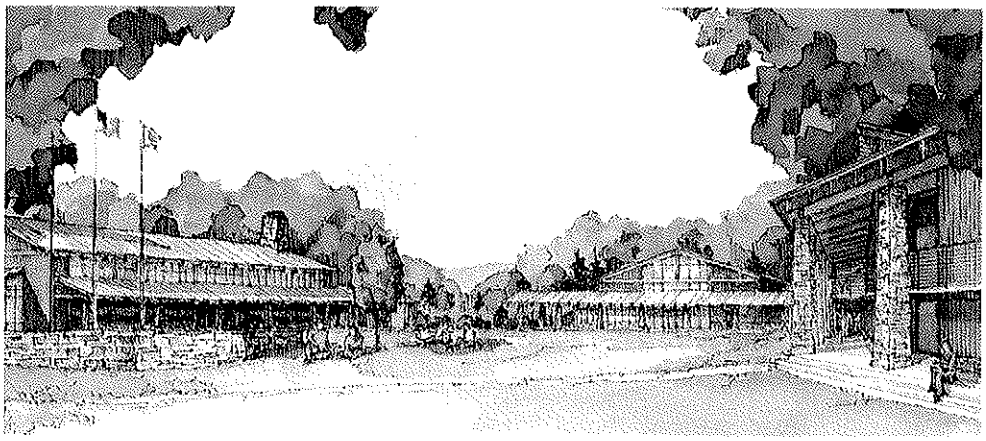
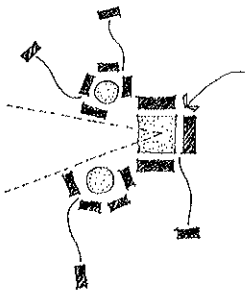
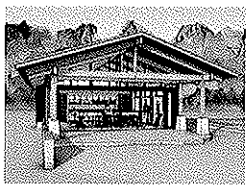
National Center for Youth Science Education

Davis, West Virginia **Perfido Weiskopf Wagstaff + Goettel**

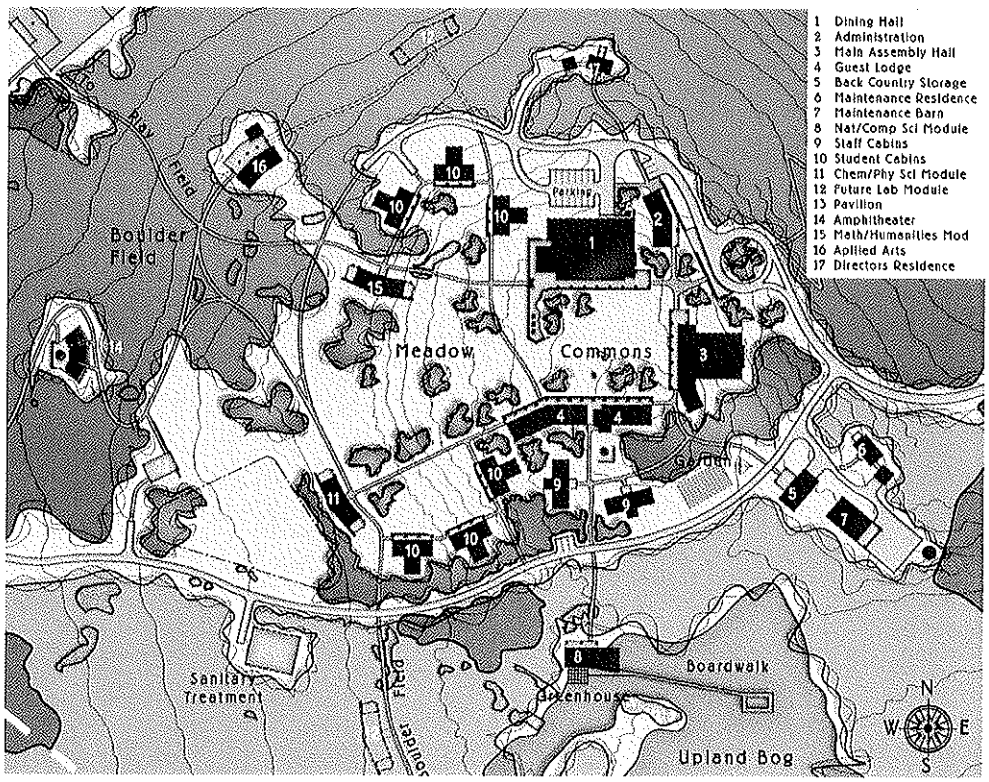
Size N/A
Construction Cost N/A
Firm Responsibility
Master Planning
Programming
Architectural Design
Completion Date
2010
Client
National Youth Science Foundation, Charleston, WV







Perfido Weiskopf Wagstaff + Goettel, in association with Brandstetter Carroll Inc., has created a master plan for the National Youth Science Foundation's (NYSF) National Center for Youth Science Education. Located adjacent to the Blackwater River on over 100 acres in the forested Canaan Valley region of West Virginia, the Center will accommodate up to 150 students plus 50 staff members, visiting scientists, and guests. In addition to serving as the permanent home for the annual one-month National Youth Science Camp, the new facility will allow the NYSF to expand youth science educational opportunities, both statewide and regionally, throughout the year. Energy efficient and sustainable design strategies are incorporated with a goal of achieving a LEED Platinum rating. The Master Plan includes site analysis, programming, design, and cost estimating.



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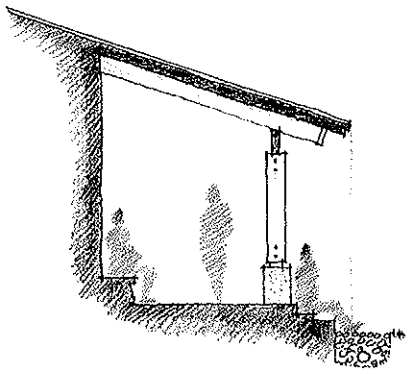
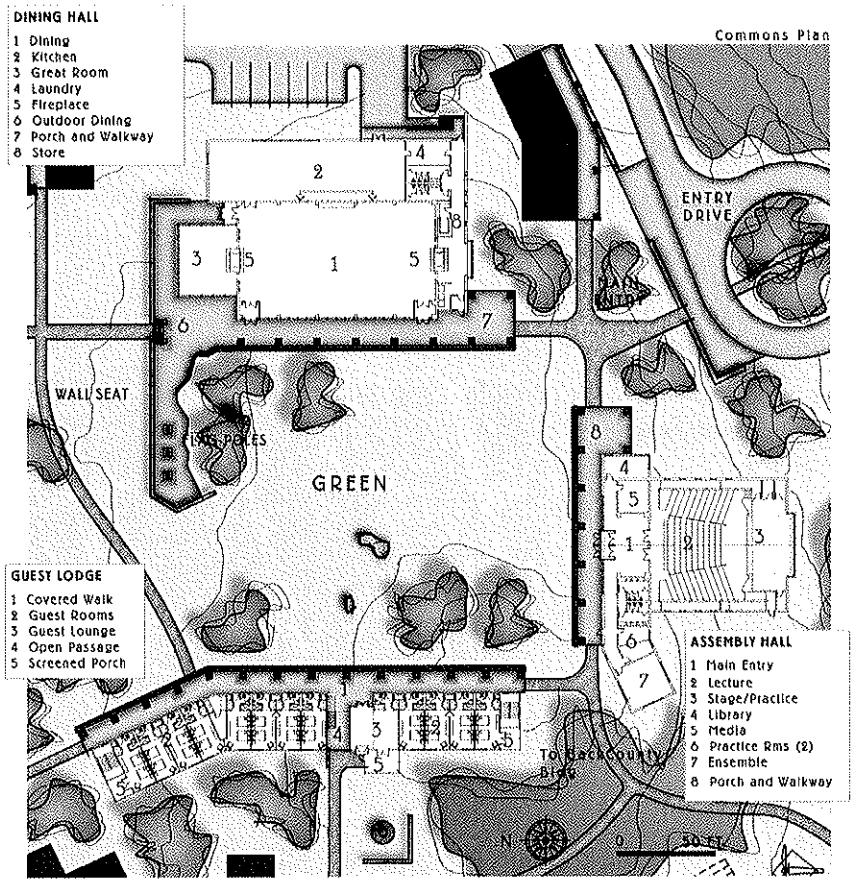
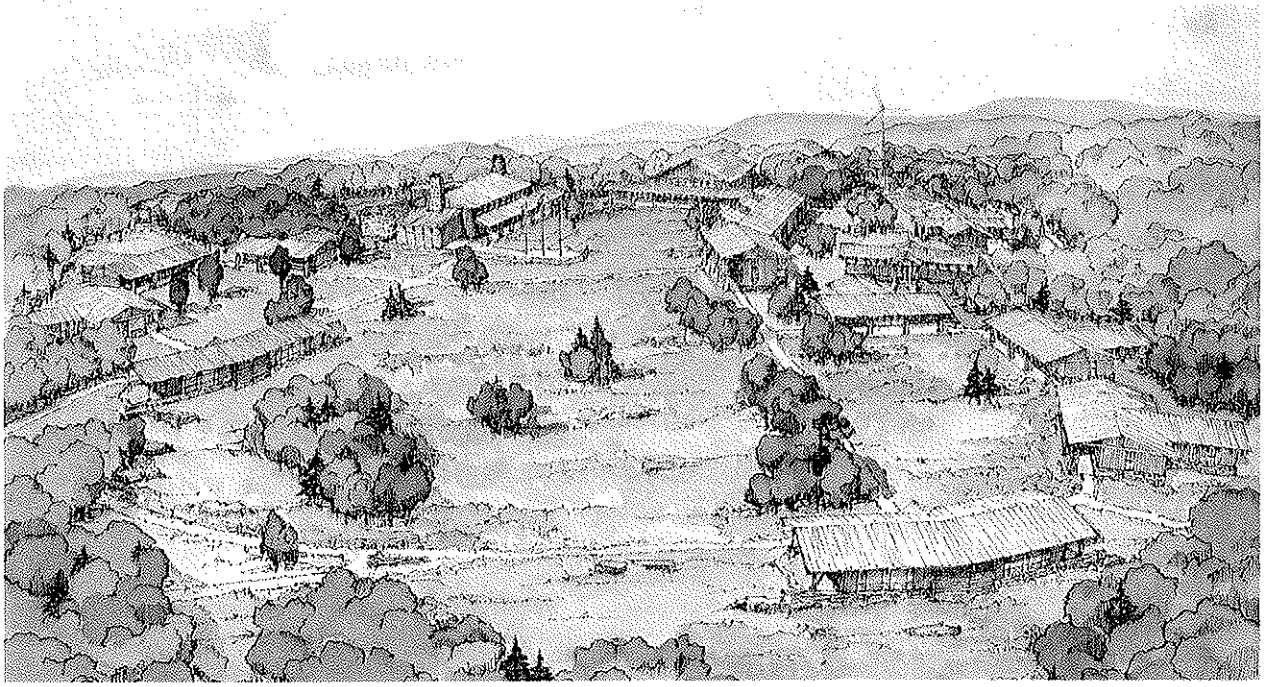




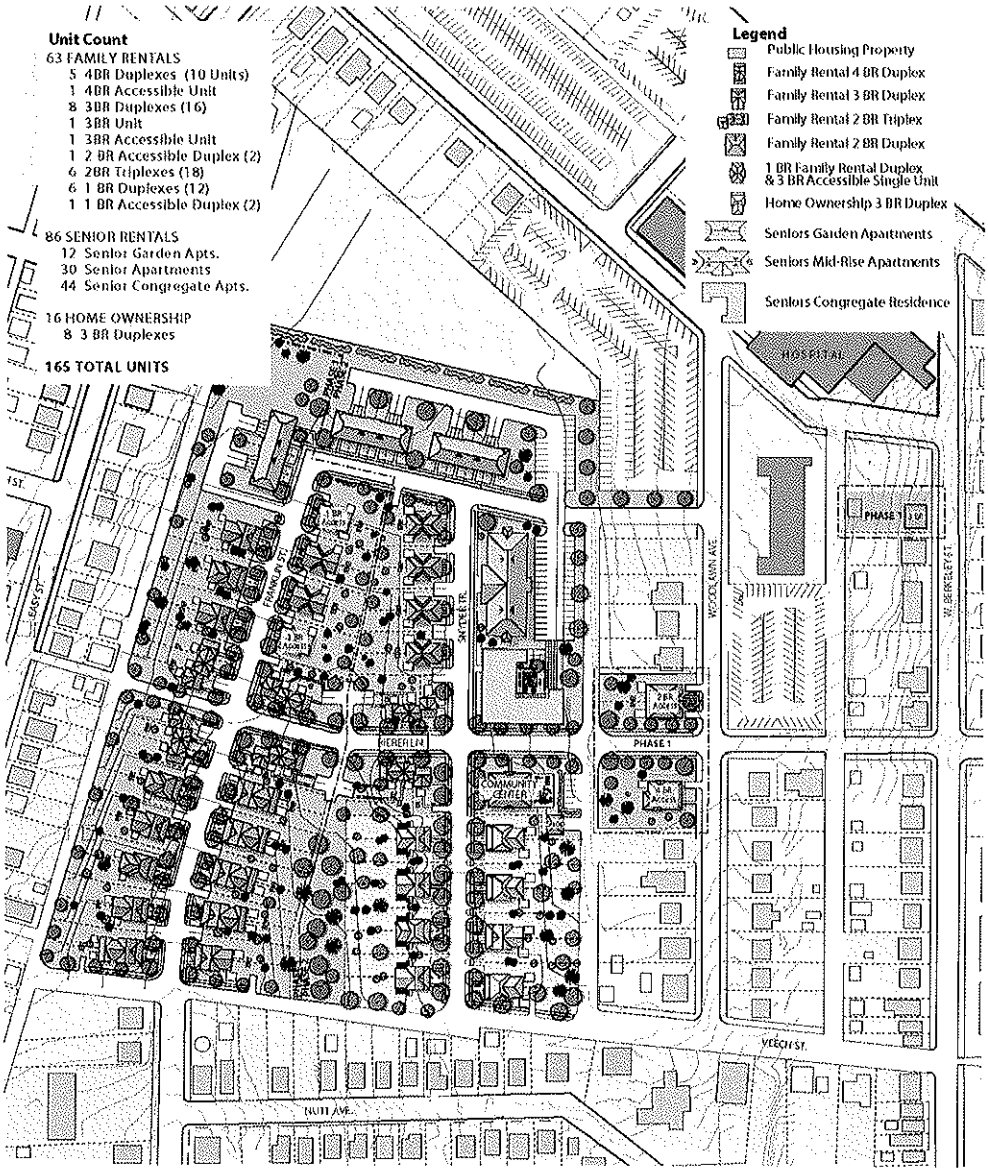


PERFIDO WEISKOPF WAGSTAFF + GOETTEL

Bierer Wood Acres Master Plan

Uniontown, Pennsylvania **Perfido Weiskopf Wagstaff + Goettel**

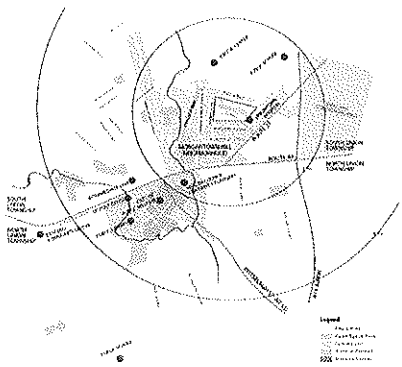
Size Not Applicable
Construction Cost
$ 35,000,000
Firm Responsibility
Master Planning
Hope VI Application Prep
Architectural Design
Contract Administration
Completion Date
Projected 2011
Client
Fayette County Housing Authority

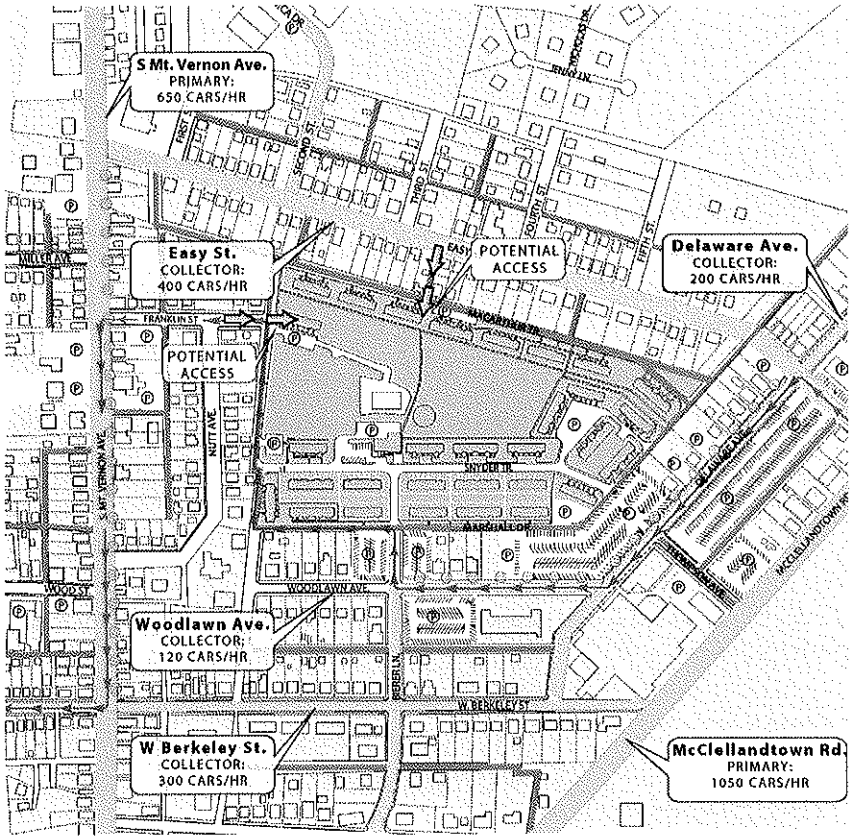


The northern end of this site is a senior-focused "New Traditional" neighborhood located immediately adjacent to Uniontown Hospital in Uniontown, PA. The project designers anticipate that there will be a strong positive relationship between the independent senior living facility and the immediate proximity to high quality health care. The range of housing types includes three choices for senior living, including garden style fourplex buildings where each unit has its own address and modest yard. Less able seniors have their choice of two multi-story buildings, one with less, and one with more congregate living space. These choices offer a continuum of living situations for senior who will "age in place" on the site as part of their familiar neighborhood.

The Master Plan for the Revitalization of this site developed through months of study of the community, the surroundings, and numerous interactive meetings with stakeholders, residents, public officials and Uniontown Hospital. It followed from a careful review of conditions in the bordering neighborhoods, analysis of on-site conditions, including land, buildings, and infrastructure. It resulted in a site plan that is fully integrated with the surroundings, solving the isolation on this site that has plagued the original development.

PERFIDO WEISKOPF WAGSTAFF + GOETTEL





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GOETTEL

West Virginia State Capitol Building #3

Charleston, West Virginia **Perfido Weiskopf Wagstaff + Goettel**

Size 165,000 s.f.
Construction Cost
$ 30,000,000
Firm Responsibility
Programming
Architectural Design
Contract Documents
Contract Administration
Completion Date
Projected 2010
Client Contact
David Oliverio
Dept of General Services
State of West Virginia

The State Capitol Campus in Charleston, West Virginia consists of seven buildings including the main Capitol Building and Rotunda. The second most prominent building, Building #3, was built in 1950 and designed by the successor firm of the main building, Cass Gilbert Jr. It was intended for the sole use of the Department of Motor Vehicles and was the singular facility for this department, drawing people from across the state. The first floor was designed to handled the large influx of people. Just off its marble clad, main lobby is an equally grand, large bank-like space with a counter and "teller" windows to serve the people.

Over the years several other departments have been located in the 8 story building and all original systems have been used beyond expected life and capacity.

The design challenge is to renovate the building so that it can be an office building for the 21st century. This requires extensive demolition on all levels. The building will be taken back to its structural shell and core, while maintaining and restoring the historically important features and spaces. The exterior of the building will also receive extensive restoration. The functional core of the building will be reconfigured to provide new amenities to the building occupants. New utilities including data and telecommunications will be installed.

The planning concept for floors 2 through 8 will provide maximum open office spaces that permit maximum flexibility for the varied departmental needs. Systems furniture will be used to create the varied working group relationships required.

The first floor will house a conference center for the variety of users needing this kind of space in the state capital. A variety of meeting rooms and work spaces will service those who work on the State Capitol Campus as well as those who visit for a single day or extended stay. Individuals will be able to spend time in separate work carrels or small meeting rooms to conduct business while in Charleston. Large meetings, receptions or exhibits will be accommodated as well, including food service.

The building will be LEED certified.

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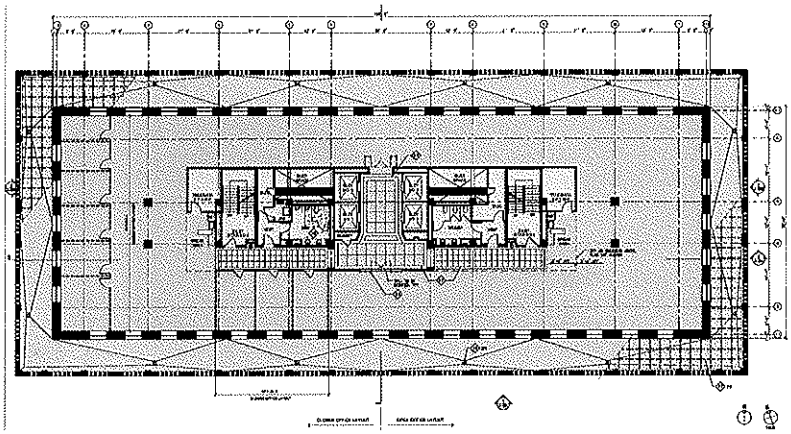

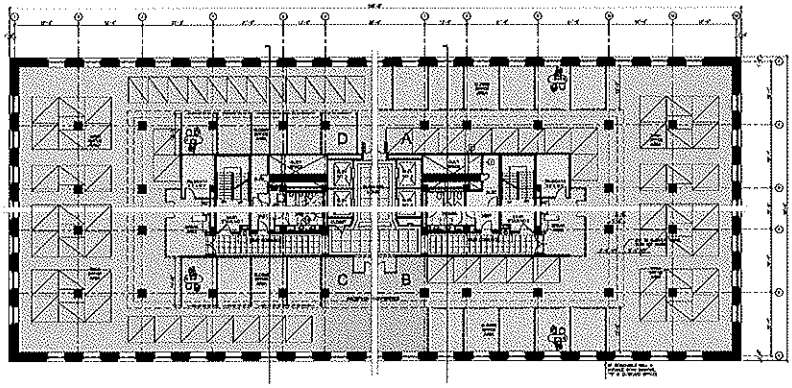

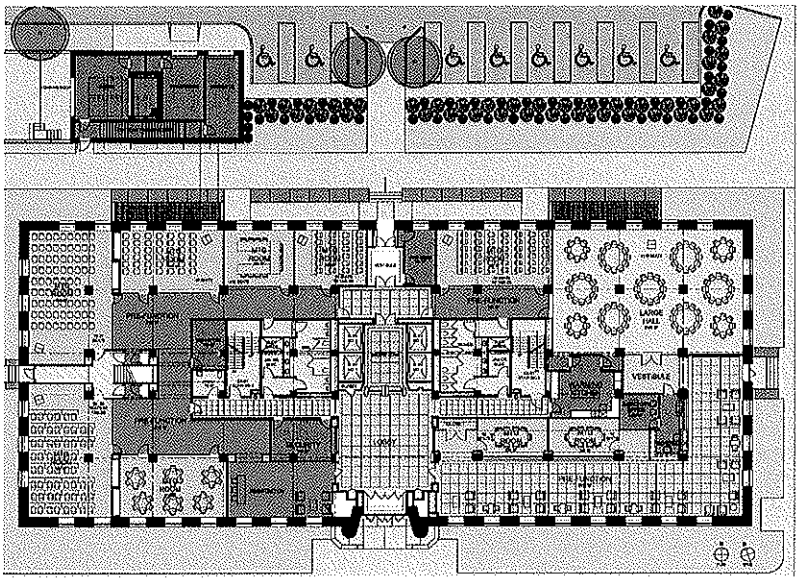

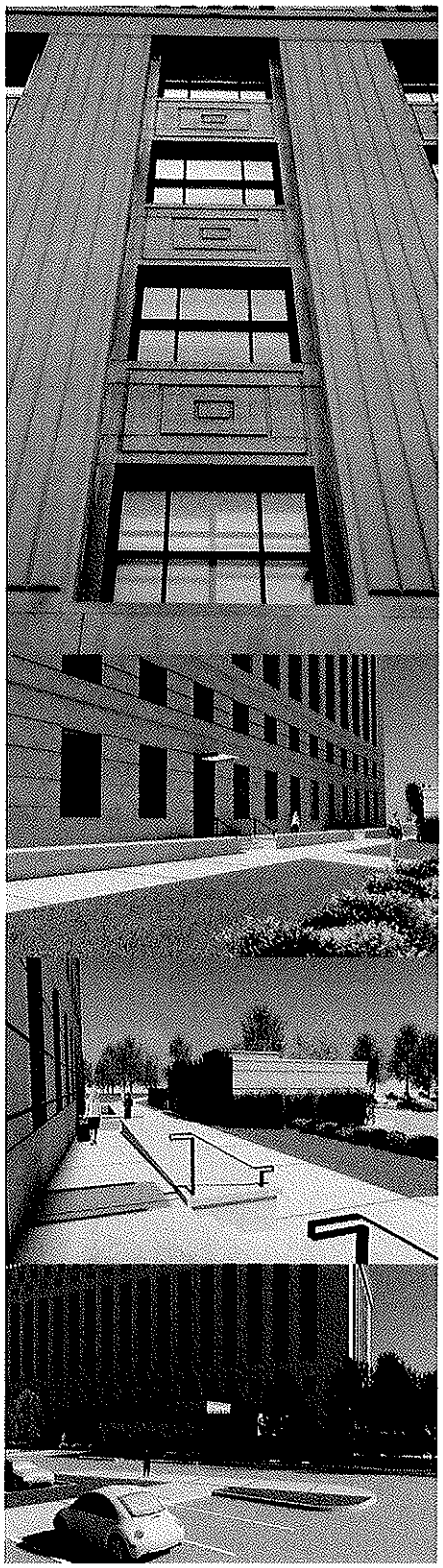

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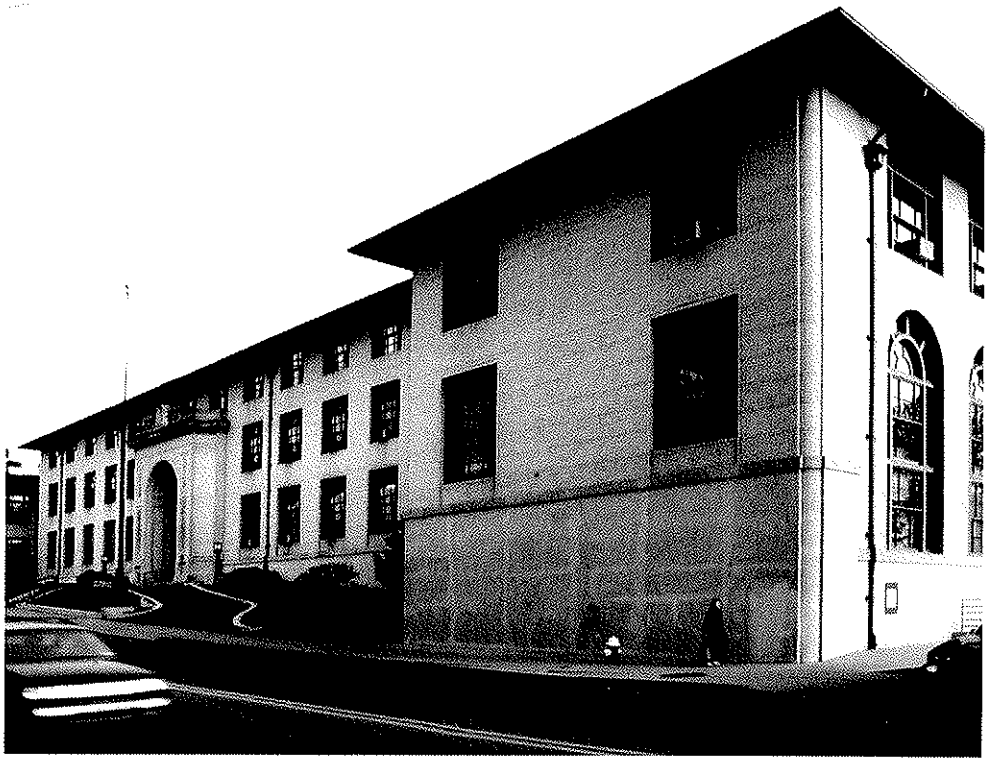
WAGSTAFF +
GOETTEL

Hamburg Hall, Carnegie Mellon University

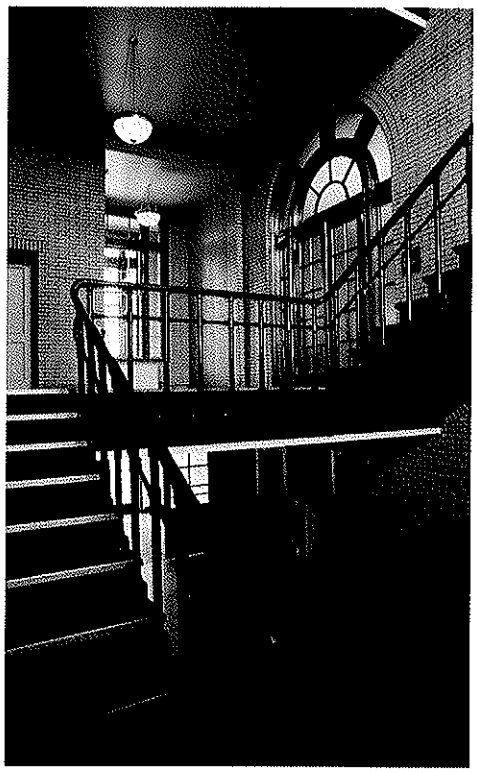
Pittsburgh, Pennsylvania **Perfido Weiskopf Wagstaff + Goettel**

Size 60,000 s.f.
Construction Cost
$ 6,200,000
Firm Responsibility
Programming
Architectural Design
Contract Documents
Contract Administration
Completion Date 1987
Client
Carnegie Mellon University



CMU's Hamburg Hall was originally designed by Henry Hornbostel for the U.S. Bureau of Mines in 1916, and is listed on the National Register of Historic Places. It houses several departments of the university, including the H. John Heinz School of Public Policy and Management, the Engineering Design Research Center (EDRC), and the Center for the Design of Educational Computing (EDEC). The Hamburg Hall project included both a total interior renovation and a partial exterior restoration.

The scope of work included schematic design for the entire 100,000 square-foot facility, new mechanical, electrical, data, and telecommunications services entire building and Phase I construction of 60,000 square feet of interior fit-out. It also included the design of new parking facilities and the creation of a public courtyard between Hamburg Hall and the adjacent building. Great care was taken to preserve the building's historic value, while creating a computer-intensive academic environment. The design preserves the building's original high ceilings and windows, but provides the flexibility to accommodate future changes in telecommunications and electrical wiring. A system of inner and outer layers of space along central corridors also brings "borrowed light" to many of the internal rooms. The project also renovated the original semi-circular auditorium, creating a new academic lecture facility that includes table seating and extensive audio/visual capability.



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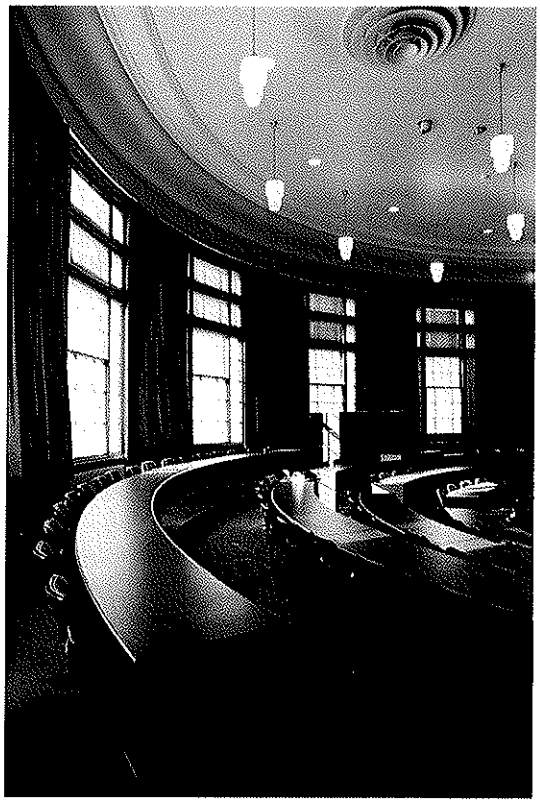
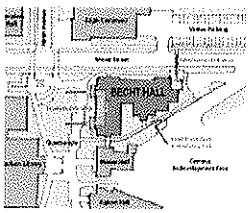


PERFIDO
WEISKOPF
WAGSTAFF +
GOETTEL

Becht Hall Renovation – Student Success Center, Clarion University

Clarion, Pennsylvania **Perfido Weiskopf Wagstaff + Goettel**

Size 53,000 gsf
Construction Cost
$ 11,000,000
Firm Responsibility
Programming
Architectural Design
Furniture and Office Systems Layout
Contract Documents
Contract Administration
Delivery
Public Bid, Multiple Prime Contracts
Completion Date
Projected September 2011
LEED Rating
Projected LEED Silver
Client
Clarion University



Site Plan

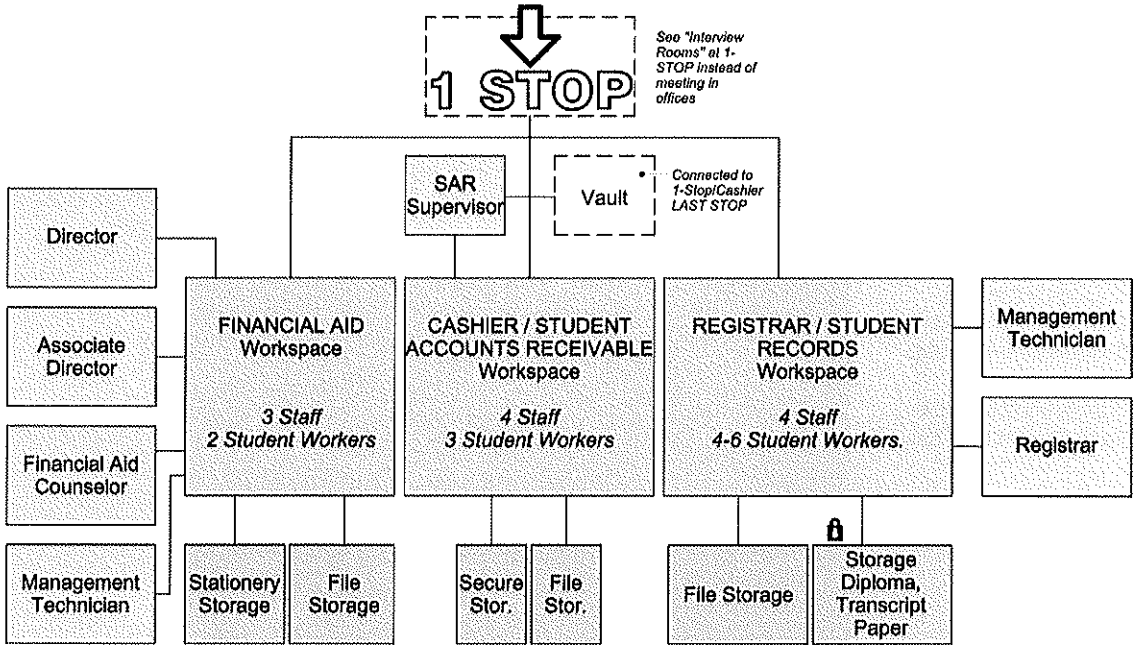

Existing Building

The renovation of Becht Hall creates a long-desired central location for a broad range of Student Service and Student Life functions in a turn-of-the-century building in the heart of Clarion University's campus. The new program includes a "One-Stop" service center, a learning center, a retention hub, facilities for graduate and international students and a health center.

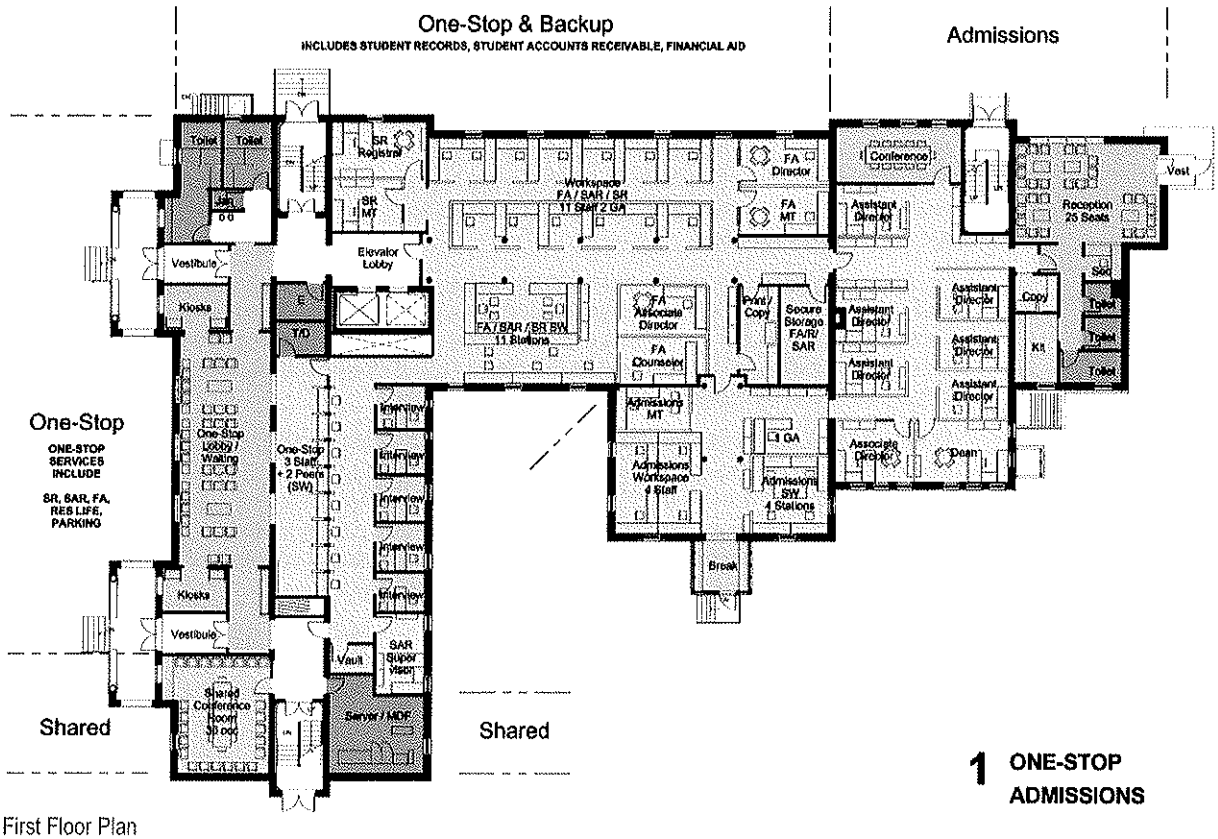
While investigating the existing building's conditions and taking into account its former use as a student dormitory for over a hundred years, PWWG is leading a programming process to understand and synthesize future occupancies. We are meeting with 15 department representatives and have toured over a dozen sites on the Clarion campus which currently house the functions which will be consolidated in Becht Hall. PWWG is working closely with users to learn their day-to-day operations and we are suggesting spatial configurations that respond to their visions, all within the boundaries and character of the historic masonry university building.

PWWG's programming process employing facilitated dialog and diagrams has led the users to collaborate to determine their current and future needs and to meet these through a combination of flexible space planning, co-location, shared hubs and combined facilities. Where a previous effort at the project stalled due to contention for limited space, PWWG's programming effort is drawing praise from the users involved. From the first user meeting we have proposed creative, design-oriented solutions to problems the users had considered intractable. Our current Schematic Design has built on that foundation and enjoys broad support from users, including some who were skeptical that the program could be successfully synthesized.

PERFIDO WEISKOPF WAGSTAFF + GOETTEL



Program Diagram



First Floor Plan

PERFIDO WEISKOPF WAGSTAFF + GOETTEL

2875 West Eighth Street

Brooklyn, New York **Perfido Weiskopf Wagstaff + Goettel**

Size 48,000 s.f.
Construction Cost
$ 3.5 Million
Firm Responsibility
Master Planning
Architectural Design
Contract Documents
Contract Administration
Completion Date 1993
Client
Department of Motor Vehicles, State of New York

2875 West Eighth Street is a comprehensive renovation and adaptive reuse project to convert a former carousel manufacturing plant situated close to the Coney Island Amusement Park into a Department of Motor Vehicles (DMV) facility for the State of New York. The building contains a District Office where residents come from all DMV transactions, and a Traffic Violations Bureau. The one story building has 48,000 square feet of space of which 40,000 is occupied by DMV, and the balance of the building is leased to other commercial tenants. The project also includes improvements to an existing parking lot adjacent to the building to convert it into a controlled parking lot with revenue parking for transient users of the facility and lease parking for residents of a nearby high-rise apartment complex.

The dominant feature of the existing building is the system of massive clear span steel trusses and girders that create a major interior space of grand proportions, not dissimilar from railroad terminals of the early 20th century. The shape of the truss forms provides a gable roof in the center section reaching 40' high, flanked by two low roof sections of building on the north and south sides. A bank of clerestory windows separates the low roof and high-bay portions of the building.

PWA developed a plan for DMV that allows the entire steel truss structure to remain exposed. By locating smaller offices in the perimeter low roof sections, the high bay is predominantly devoted to queuing areas for patrons utilizing the District Office and Traffic Violations Bureau facilities. Where offices are required within this high-bay space, they have been designed as free-standing partitions without ceilings to allow the entire space to be seen from any point within. The clerestory windows and the gable end walls at both ends of the building have been enclosed with translucent wall panels to bathe the space in daylighting.

A cost effective system of multiple standard rooftop air conditioning units were installed on the low roof sections with ductwork that feeds into the high-bay space. The exposed ducts were coordinated to pass through the open webs of joists, and branch ductwork conforms to the slope of the trusses in order to blend into the entire system of exposed members.

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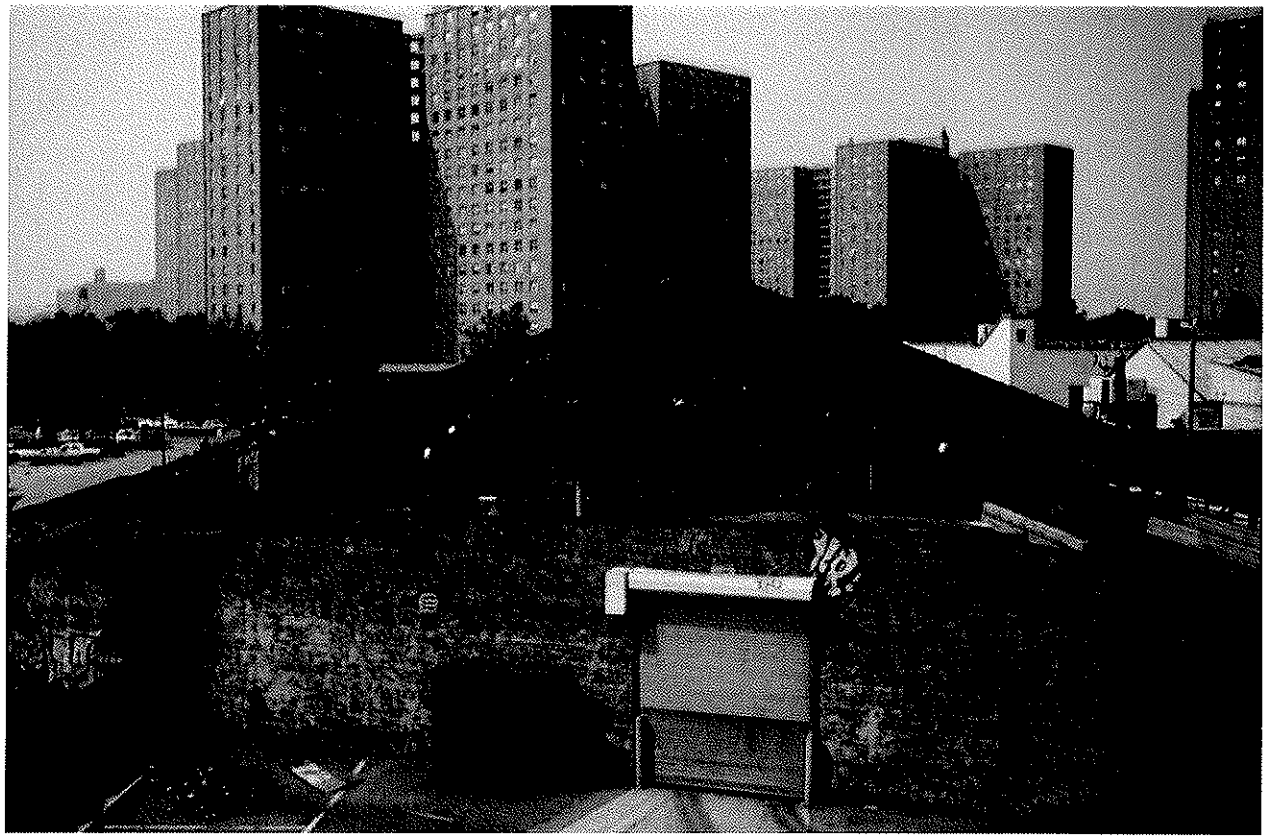

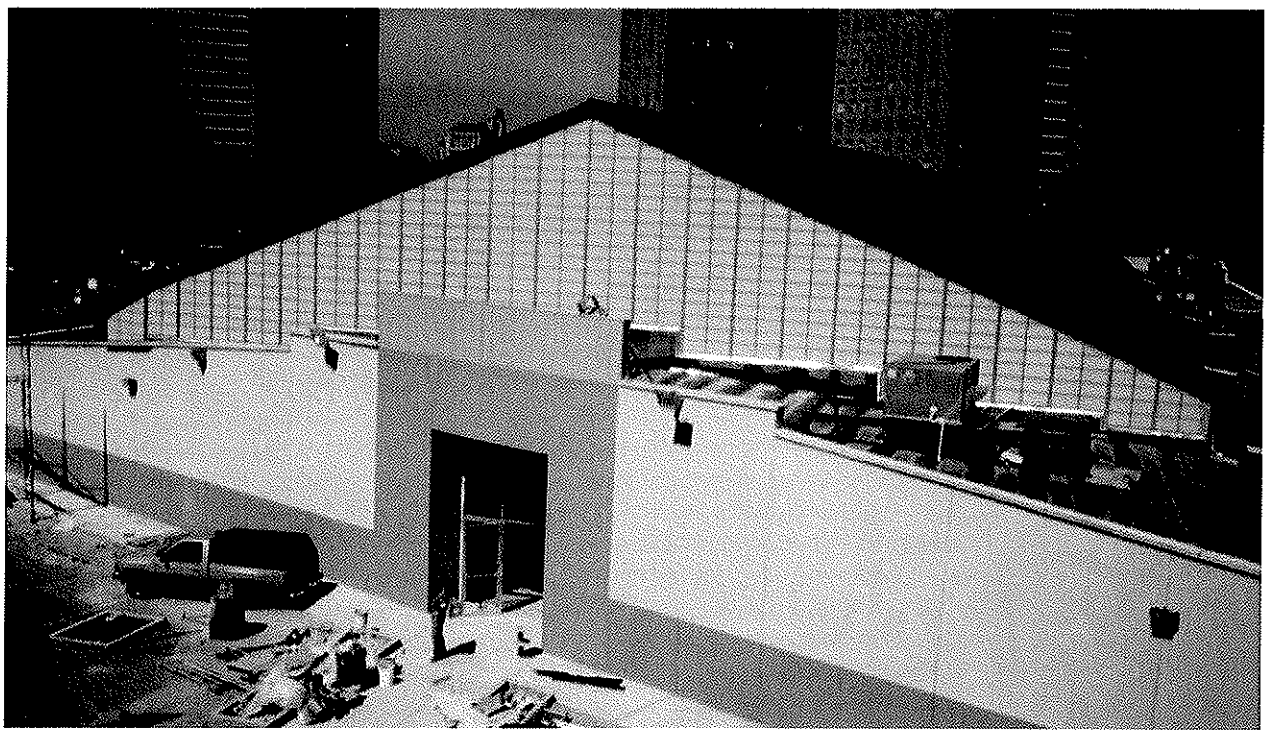

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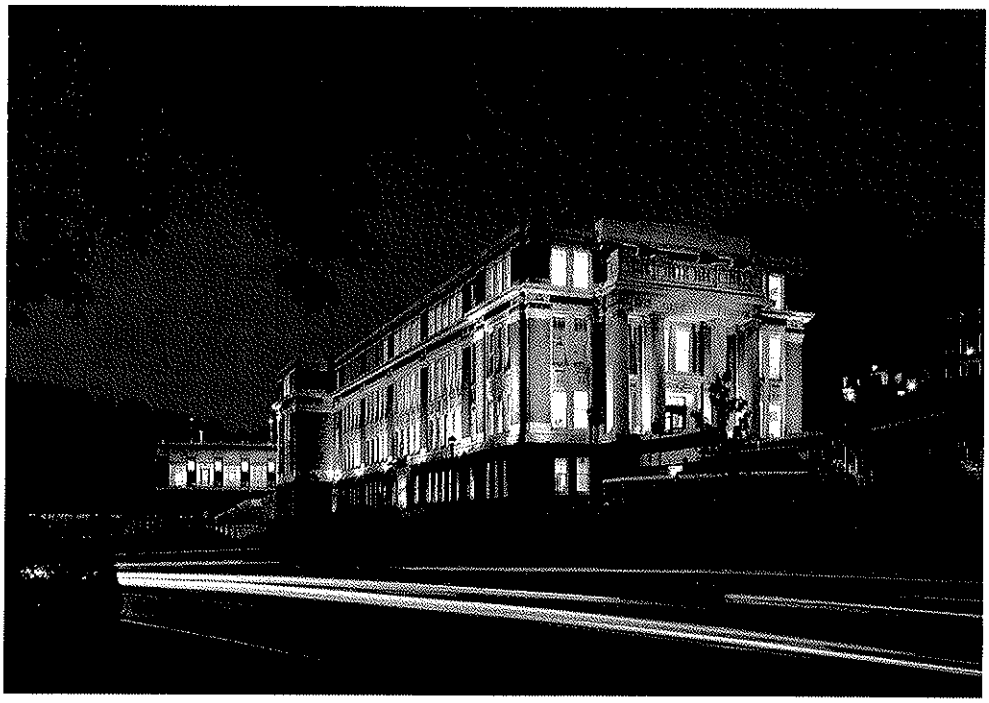
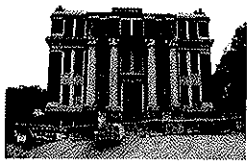
WEISKOPF
WAGSTAFF +
GOETTEL

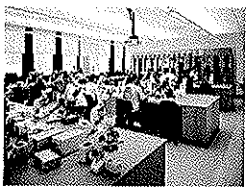
Oglebay Hall & Ming Hsieh Hall, West Virginia University

Morgantown, West Virginia **Perfido Weiskopf Wagstaff + Goettel**

Oglebay Hall Size
50,000 s.f. renovation
Ming Hsieh Hall Size
16,000 new building
Construction Cost
$ 20,000,000 combined
Firm Responsibility
Programming
Architectural Design
Contract Documents
Contract Administration
Completion Date 2008
Client
West Virginia University
Certifications
National Register Listed
LEED Certified







"In all my years in higher education it is the building I am most proud of. You guys hit a home run on the design."
Joe Fisher,
Associate Vice President
Facilities and Services

Campus Paths and Places

When classes change, as many as 3000 students are moving through the two buildings and the site. Consequently, the design maximizes ways in and out of both buildings, capitalizing on the slope of the site to create "at grade" entrances at four different levels. Paths are organized to link to the existing patterns of movement, integrating stairs and bridges to navigate the grade changes. Places are provided for students to linger and gather. An oval plaza at the front of Oglebay Hall serves memorial functions for the University and incorporates a mast from the USS West Virginia. A terrace between the buildings becomes an intimate outdoor room with a view.

Vehicular Access, Conflict and Parking

By relocating surface parking to the roof of Ming Hsieh Hall and rerouting the service entrance, fragmented pedestrian paths were stitched together and impervious surface area was reduced despite the construction of a new building. A pedestrian bridge crosses University Avenue alleviating the conflict between students and heavy arterial traffic.

Oglebay Hall - Historic Rehabilitation

The National Register listed Beaux Arts classroom building was designed by architect Paul A. Davis, III and built in 1917. The vacant deteriorated building was stripped to its masonry shell and wood frame structure. The brick, limestone and terra-cotta exterior was restored and the interior was completely refitted with state-of-art classrooms, office and laboratories. The top two floors are now the home of WVU's Forensic and Investigative Science Program and contain high technology labs including Mitochondrial DNA labs. The lower two floors contain a mix of general purpose classrooms, labs and support spaces. Intensive mechanical systems were integrated into the building utilizing the existing attic and ventilation chimneys avoiding any impact on the building exteiror.

Ming Hsieh Hall – Expanded Classroom Capacity

A new classroom building was built to increase capacity for lower level classes in the downtown campus. Ming Hsieh Hall occupies a previously vacant slice of land behind Oglebay Hall with a grade change of over 50' from College Avenue down to University Avenue. The building is organized around a double height gathering space with two large, technology intensive lecture halls built into the hillside. The new building has its own form and identity while at the same time playing a supporting role in the ensemble of new and old.

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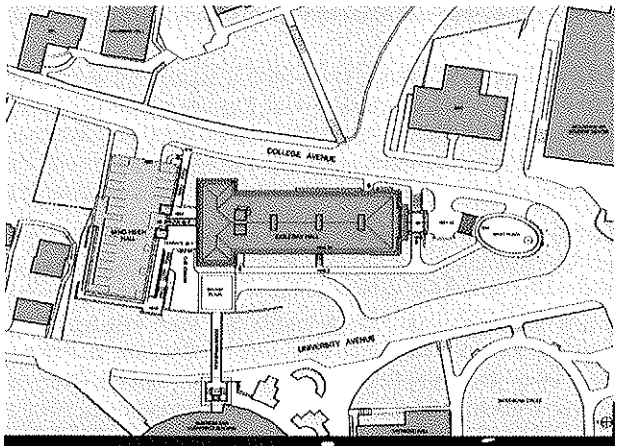

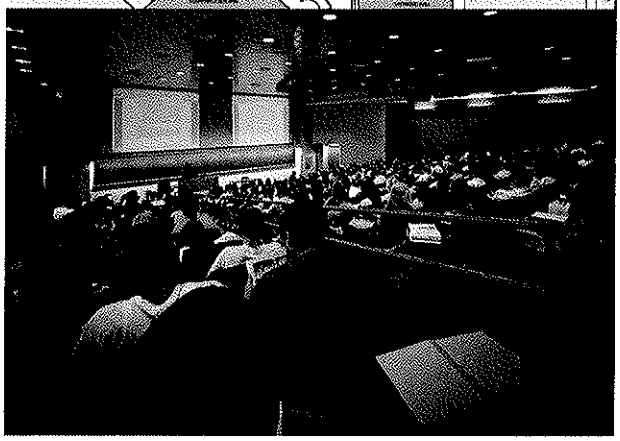

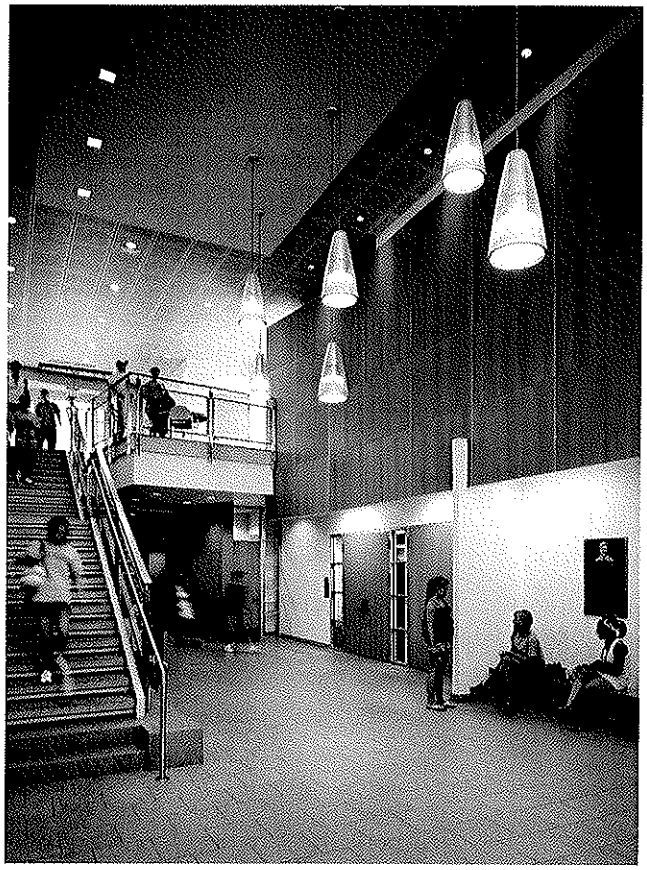

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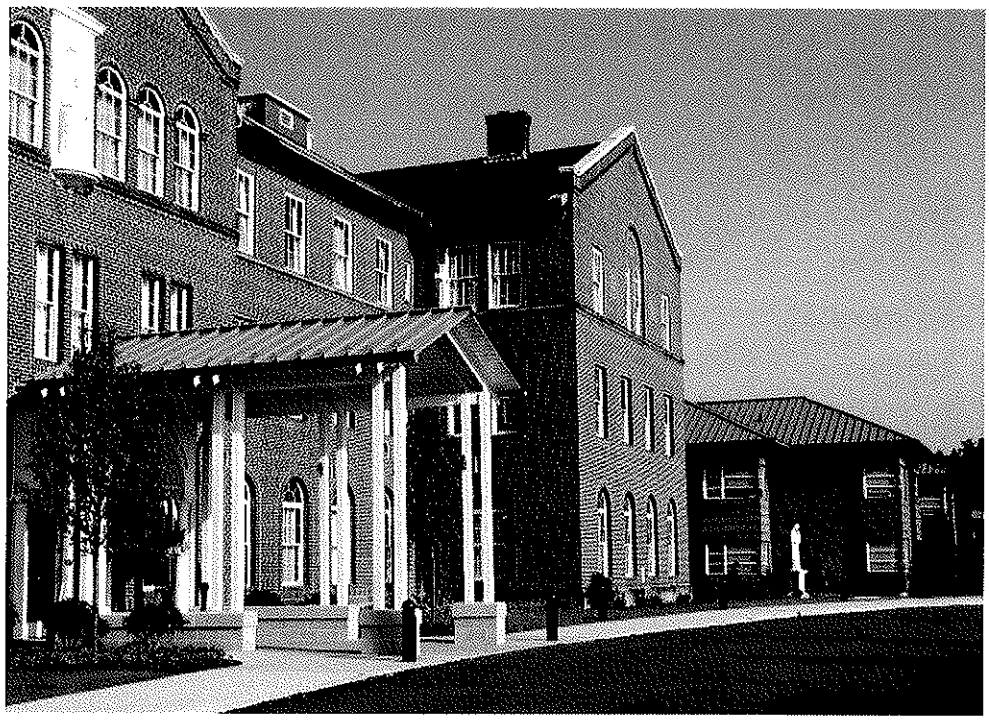
WAGSTAFF +
GOETTEL

Little Sisters of the Poor

Pittsburgh, Pennsylvania **Perfido Weiskopf Wagstaff + Goettel**



Size 131,000 s.f.
Construction Cost
$ 16,600,000
Firm Responsibility
Programming
Architectural Design
Fixtures, Furnishings, Equipment
Contract Documents
Contract Administration
Completion Date 2008
Client
Sister Mary Vincent

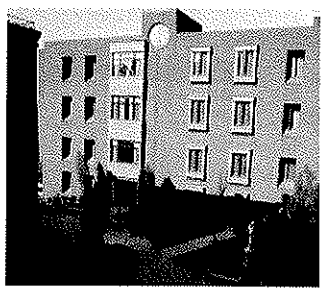
Awards
2010 "Excellence in Construction, Award of Merit" for 1923 Building Renovation
Sponsor: Associated Builders and Contractors, Western PA Chapter

2006 "Outstanding Renovation Project" for the Gloria Chapel
Sponsor: Pittsburgh Historic Review Commission

The Little Sisters of the Poor came to PWWG with a unique challenge: they wanted to upgrade two buildings (one built in 1923 and the other in 1972) and add a major addition, the intention being to create a home where elderly people could reside and remain through all levels of care. Their program includes Independent Living apartments, Personal and Intermediate Care (in a residential environment rather than a medical one), a senior community center, a wellness center with physical therapy services, a chapel, a convent, and administrative and support services.

New delivery systems had been established for linen, food, and medicine, so a new arrangement was required for these support services. This innovative design eliminates the old institutional medical model and creates an atmosphere like home, but with rooms designed to allow for a continuum of care. A senior center day program will offer nutrition, companionship, and social interaction to poor elderly people who have, until now, lived in isolation. Residential areas are fully accessible, with new floor finishes and easy outdoor access. Pathways, terraces, and secured porches encourage mobility, allowing even individuals with severe memory problems to enjoy the outdoors safely, and a secured private entrance creates a greater sense of self-reliance and privacy for Independent Living residents.

There is a spectacular renovated chapel. The new main kitchen is closer to the dining rooms, and utilizes more modern food-preparation equipment. Small kitchenettes throughout the facility allow for flexible food choices, and bring the sights and smells of home to residents.



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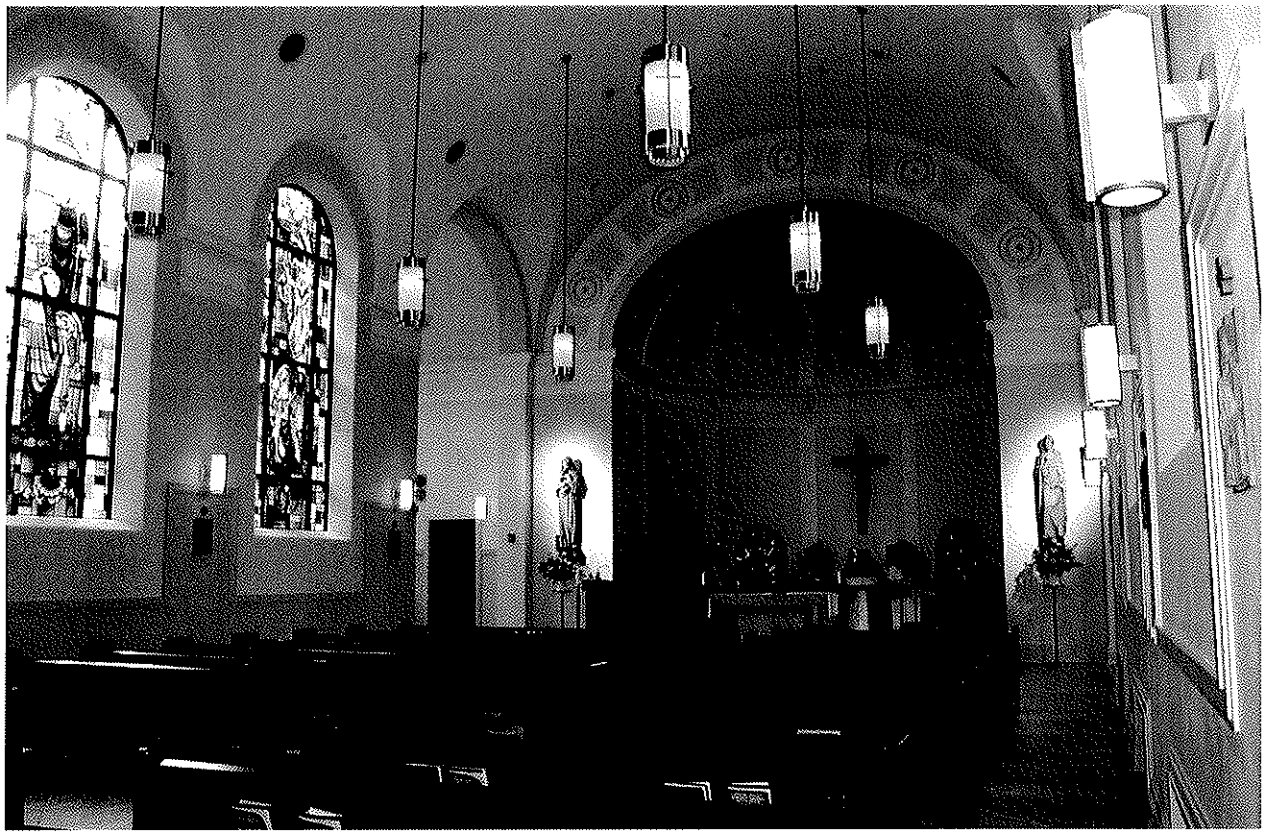

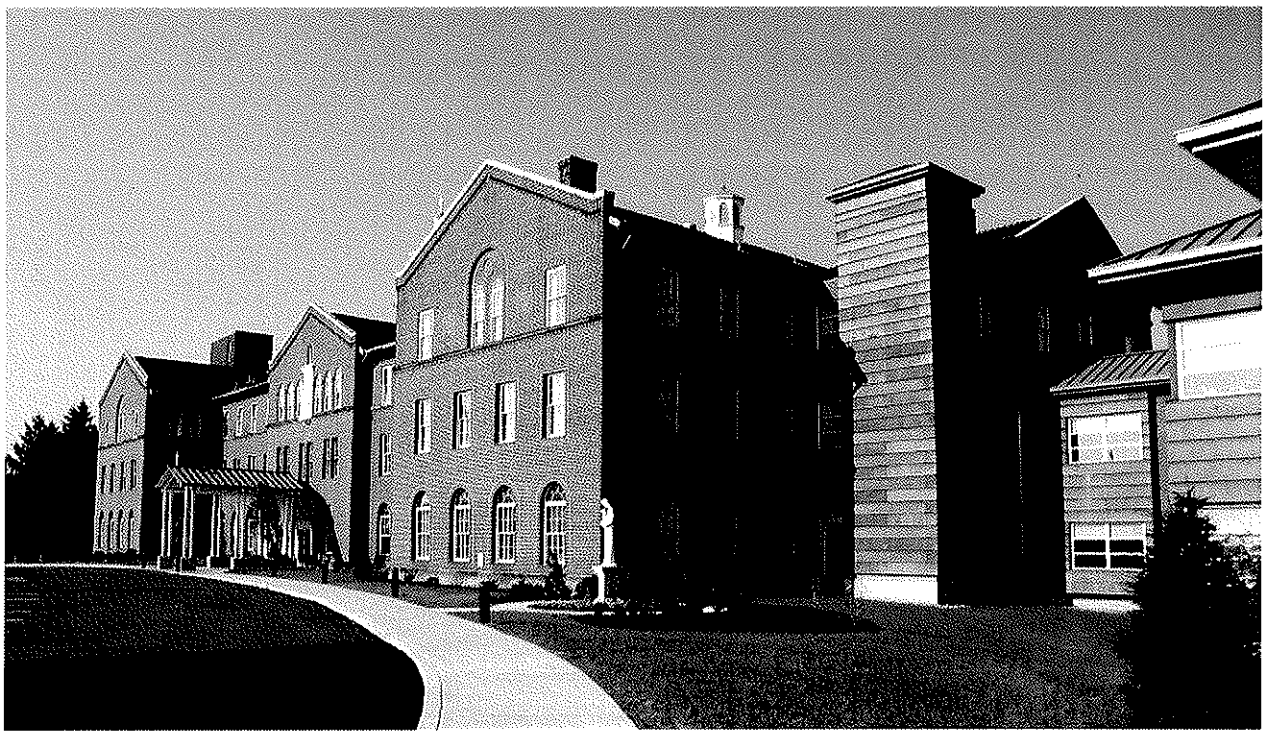

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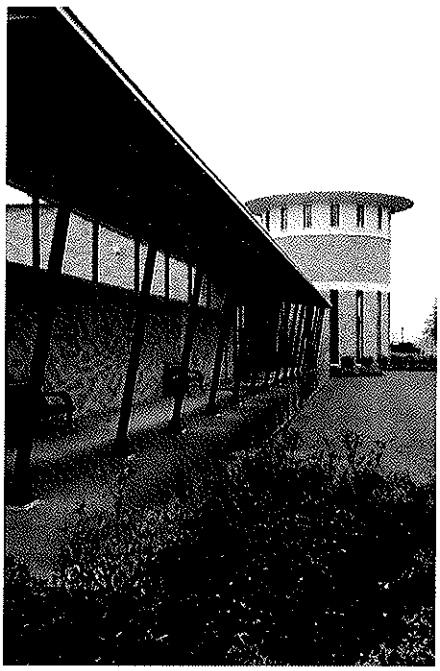
Sample Project



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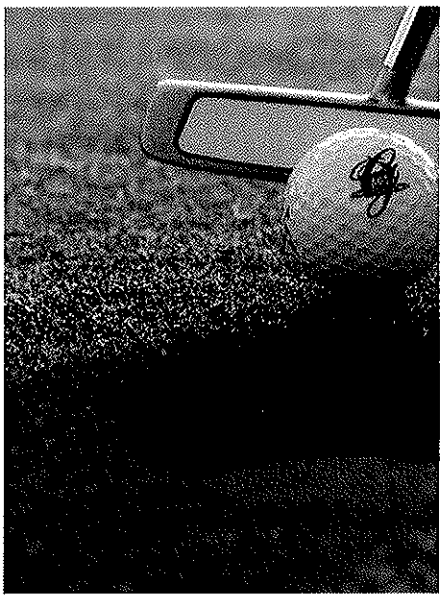
Robert C. Byrd Regional Training Institute

The Regional Training Institute at Camp Dawson is a new 143,000 square foot facility constructed for the West Virginia Army National Guard that provides an ideal setting for training classes, meetings and conferences serving both the military and civilian population. The facility includes classrooms, library, a three story hotel style wing, auditorium and swimming pool. The structural systems utilized include steel frames, reinforced concrete and masonry, load bearing cold-formed steel studs, and long span steel joists.

Sample Project

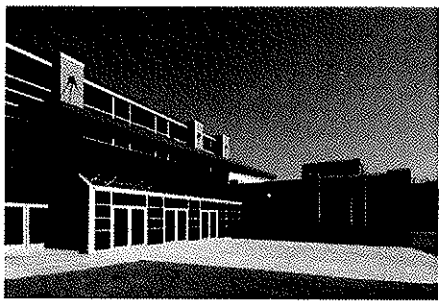


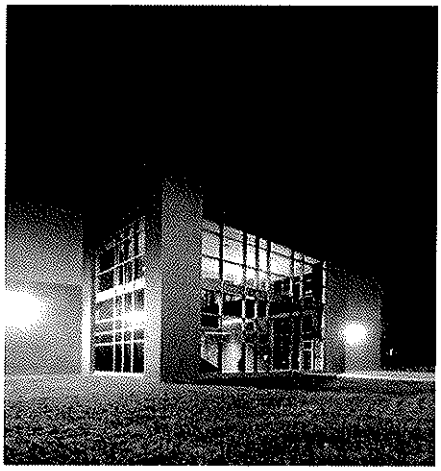
The Greenbrier Resort Golf Clubhouse Renovation

Long established as a premier destination for luxurious resort accommodations and beautiful but challenging golf courses, The Greenbrier in White Sulphur Springs, WV undertook a significant renovation of their golf clubhouse in 1995. A unique challenge in providing the structural engineering for this building was to strengthen the floors, remove elevation differences between rooms, accommodate a new elevator and HVAC upgrades, enclose an open porch for restaurant use, all while maintaining the historical integrity and visual character of the original structure. The total square footage of the renovation was 33,000.

MOMENT
engineers, inc.

Sample Project



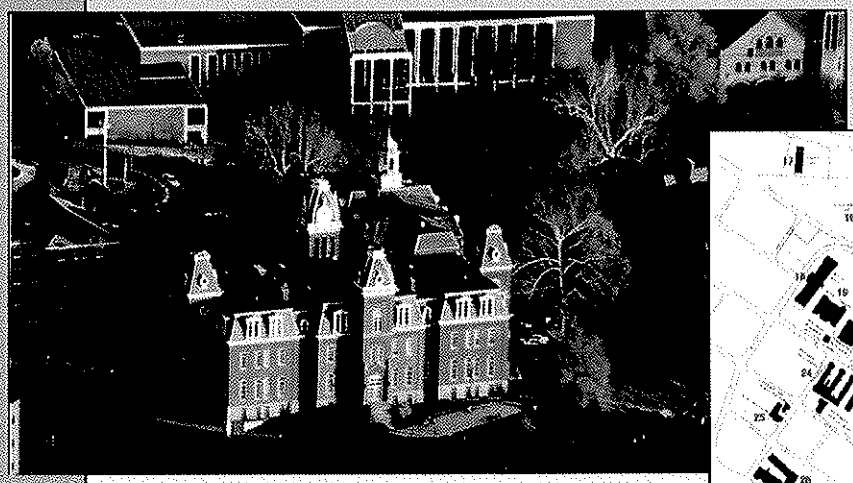


St. Albans High School

The design of this project began with the demolition of more than 40% of the existing structure. The remaining space was renovated and an additional 124,000 square feet of new construction was added. The new space includes an open commons/dining area which serves as a focal point in accessing the auditorium and gymnasiums. This space also includes an elevated walkway. The completed school is 172,600 sq. ft. with a total project cost of $22,000,000.

MOMENT engineers, inc.

West Virginia University
Master Plan
Morgantown, WV



The Project:

CJL Engineering was the Mechanical and Electrical Engineering Design Consultant to the Sizemore Group, the Atlanta-based Architectural and Strategic Planning Firm, on the West Virginia University Master Plan. The scope of work included a study of the on-site steam distribution, chilled water distribution, primary electrical distribution, fiber optics, and gas distribution throughout the Evansdale and Downtown Campuses. Building audits were performed on the Mechanical and Electrical systems for all the buildings on both campuses.

CJL Engineering Design Solutions:

- Developed site plans utilizing existing data obtained from the University during on-site surveys.
- Consolidated site plans into two final plans detailing present capacity of various systems.
- Wrote detailed narratives to describe existing distribution systems with their current capacities.
- Used information to determine future expansions, renovations and upgrades of buildings for University growth over the next 20 years.
- Surveyed HVAC, Plumbing and Electrical Systems for conditions, future capability and building code compliance.

CJL ENGINEERING

Master Plan and Facility Assessment

Allegheny College

Meadville, PA

The Project:

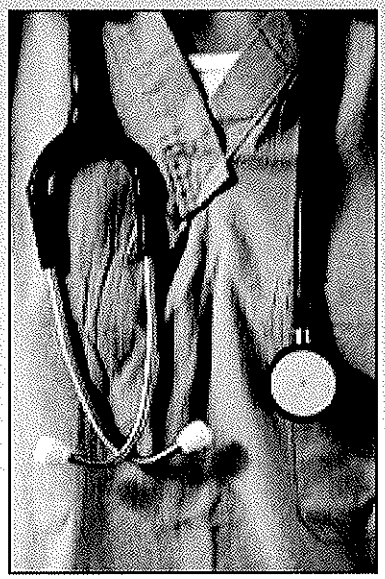
CJL Engineering provided a Comprehensive Facility Assessment of the buildings at Allegheny College as part of its Master Plan. This enables the college to develop a capital facilities plan for upgrading buildings and planning design for future growth. Many of the findings later developed into either new building projects, renovations or building replacements

CJL Engineering Design Solutions:

- Reviewed HVAC systems to determine compliance with ASHRAE standards and their conditions for replacement and/or upgrade.
- Reported on the condition of the Electrical Systems including the lighting, fire alarm, emergency lighting, and telecommunication systems.
- Evaluated the campus-wide electrical service for conversion to a Primary Power System (subsequently implemented).
- Evaluated Plumbing Systems including site water, storm and sanitary distribution.
- Prioritized work into phases such as, immediate, three-year and five-year.
- Developed a proposed scope of work required for each building, including an estimate of projected construction cost.

CJL ENGINEERING

UPMC Horizon- Master Plans:
Greenville Hospital, Greenville, PA
Shenango Hospital, Farrell, PA



The Projects:

UPMC Horizon utilized the services of CJL Engineering at two of its regional healthcare facilities: Greenville Hospital and Shenango Hospital. Both facilities underwent a Master Plan Report, assessing the conditions and systems of the buildings, as well as providing findings and recommendations.

In addition, the UPMC Horizon Greenville Hospital received an expansion and addition to its OR facilities.

CJL Engineering Design Solutions:

- The comprehensive Master Plan report for the Greenville included descriptions, evaluations, and recommendations of the facility's MEP systems. Field surveys and interviews with operating personnel were completed.
- Two of the hospital's six OR's were expanded and renovated.
- A new two-story building addition was designed to house the hospital's Central Sterile operation.
- The13kv underground distribution lines were rerouted, transformers replaced, medical gas lines rerouted and a 20,000-gallon fuel tank relocated.
- The Master Plan report for the Shenango Hospital included descriptions, evaluations, and recommendations of the facility's MEP systems. Field surveys and interviews with operating personnel provided insight son equipment and system issues.

CJL ENGINEERING

Eastern Virginia Medical School
Energy Performance Contract
Norfolk, VA

The Project:

Eastern Virginia Medical School selected CJL Engineering for System Design Services, along with the procurement and selection of a Performance Contract Provider through an RFP process. The aim was to reduce campus building operational costs. A Mechanical Systems Engineering Study was also performed for the renovation of Lewis Hall, a 125,000 sq. ft. medical research and teaching facility. HVAC renovations will increase energy efficiency, along with improving automatic temperature control and ventilation.

CJL Engineering Design Services:

- Assess, identify and document mechanical upgrades to be included in the Request for Proposal (RFP).
- Research, prepare and issue the Performance Contract RFP to pre-selected building services companies.
- Conduct the pre-proposal conference and site walk-through.
- Review all proposal submissions and generate a short list of qualified providers.
- Recommend contractor selection from final submissions.
- Convert Lewis Hall to Variable Volume System by installing variable frequency drives on exhaust fans, replace supply air vaneaxial fan wheel with in-flight adjustable fan wheels.
- Upgrade existing rooftop energy recovery air-handling units with new plate-fin coils and cartridge filters.
- Run-around type energy recovery coils added to the air entry plenums of existing rooftop air-handlers.
- Design new Energy Recovery Exhaust Air-Handling System, and integrate it with a new Automatic Control System and rooftop air-handling units.
- HVAC environmental conditions in animal holding areas will be upgraded to meet stringent Bio Lab standards.

CJL ENGINEERING

Bloomsburg University
Master Plan & Facility Assessment
Bloomsburg, PA

The Project:

CJL Engineering was the Mechanical and Electrical Engineering Design Consultant on the Bloomsburg University Master Plan, working with Sasaki Associates, Inc., of Watertown, MA, a prominent Master Planning architectural firm. Bloomsburg University is one of fourteen institutions in the Pennsylvania State System of Higher Education. The 282-acre Campus includes 54 buildings comprising 1.9 million square feet of educational facility space.

CJL Engineering Design Solutions:

- Conducted Facility Assessments of student housing to evaluate condition of Mechanical and Electrical Systems, general character, and the adaptability to reconfigure each facility.
- Evaluated the High-Pressure Steam Distribution and High-Voltage Electric Distribution Systems; and assessed Steam and Condensate Piping, Manholes, Transformers, Electrical Sub-Stations and Conductors.
- Evaluated the all HVAC, Electrical, Gas, and Telecommunication Systems.
- Organized buildings into a condition / adaptability ranking system.
- Conducted eight multi-day campus workshops with University administrators, the facilities planning committee, constituent groups, and held a public forum to present the master planning progress to the broad campus community.

CJL ENGINEERING

Land Development
Riverfront Park & Streetscape Design

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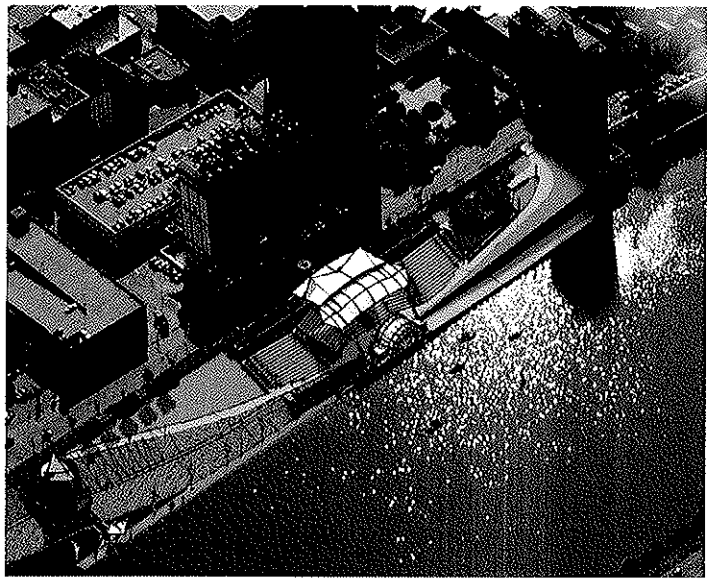
Haddad Riverfront Park
Kanawha County, West Virginia



Brief Project Description

GAI Consultants, Inc. (GAI) was selected to provide design, construction and engineering solutions for the renovation of the Haddad Riverfront Park, which is a popular concert, festival and leisure site in downtown Charleston, West Virginia.

Among the City of Charleston's project requirements were a retractable canopy to provide protection and visual interest, an overlook plaza and pavillion that extends Court Street to the Kanawha River, an extension of the lower wharf area, a new streetscape design along Kanawha Boulevard and an event stage for concerts. Each requirement composes one stage of the overall project, with Phase I currently underway.

Work Tasks/Services

- Conceptual design and master plans
- Landscape architecture
- Geotechnical engineering
- Structural engineering
- Construction administration

Value Added Innovations

Taking a different approach, GAI presented an initial design encompassing all four parts of the entire project. The design was highlighted by a grand staircase leading to the proposed amphitheater, which acts to open the park to Kanawha Boulevard, making it an integrated part of downtown Charleston.

GAI Project Manager:
David Gilmore, RLA, CLARB

Project Team:
GAI Consultants, Inc. (Prime)
Fabritech (Subconsultant)

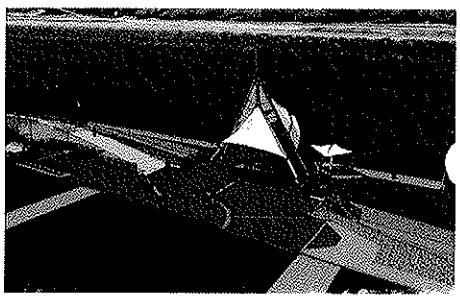
Client:
The City of Charleston

Client Contact:
David Molgaard, City Manager
304.348.8014

Construction Cost:
$3,000,000

Completion Date:
Ongiong

#E080952



For more information on GAI Consultants, Inc., please visit www.gaiconsultants.com.

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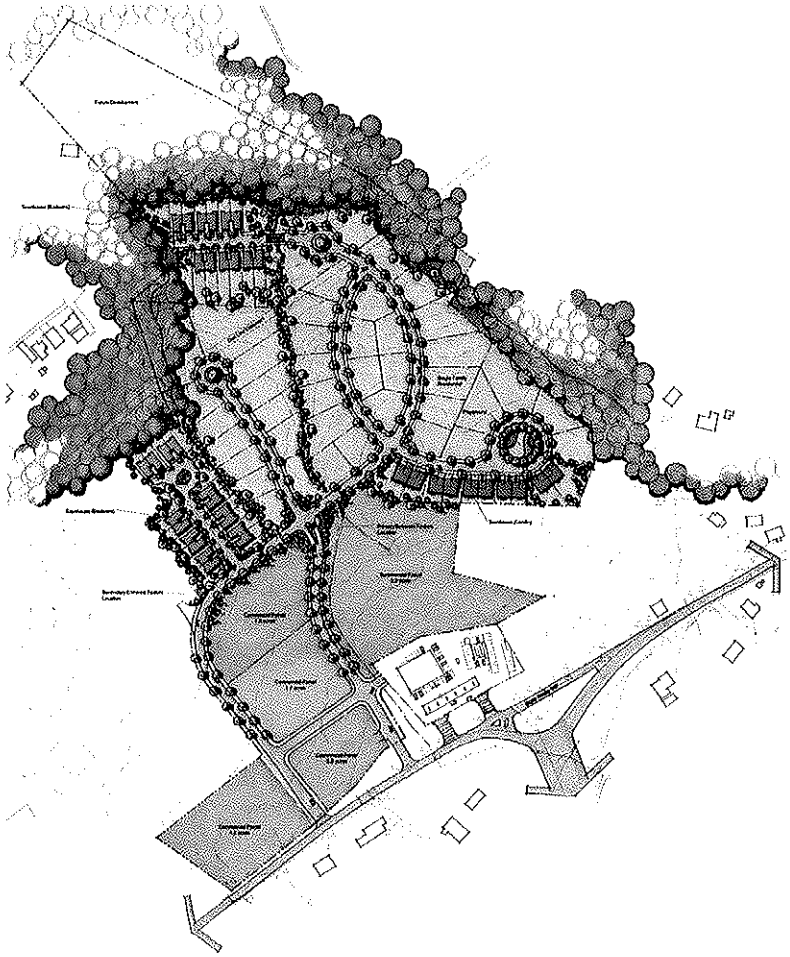
Cheat Landing Office Park Land-Use Study

Monongalia County, West Virginia



GAI Project Manager:
David Gilmore, ASLA, CLARB

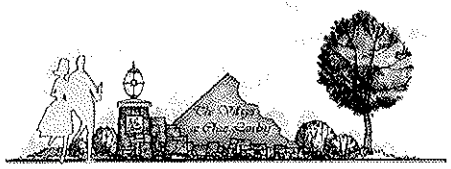
Project Team:
GAI Consultants, Inc. (Prime)

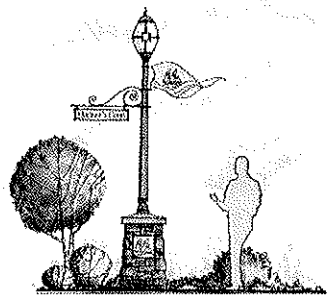
Client:
Blue Ridge Development

Client Contact:
Karl Barth
304.594.9320

Completion Date:
2010

#E070584



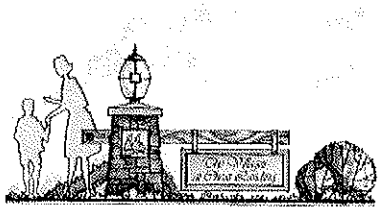


Brief Project Description

GAI Consultants, Inc. (GAI) was contracted by Blue Ridge Development to provide a land-use study and master plan drawing for a 36-acre parcel in Monongalia County, West Virginia. The development included retail, office space and mixed-use residential. The plan also included design of the way-finding signage and preliminary engineering for site development.

Work Tasks/Services

- Land-use/master plan development
- Design of way-finding signage
- Preliminary engineering
- Presentation drawings/marketing



For more information on GAI Consultants, Inc., please visit www.gaiconsultants.com.

Land Development
Civil Site Engineering, Design & Survey

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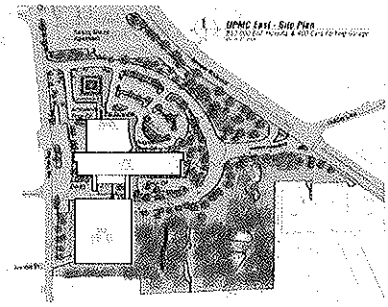
UPMC East Hospital Complex
Allegheny County, Pennsylvania



Brief Project Description

GAI Consultants, Inc. (GAI) participated in the design of a new hospital on approximately 19 acres of land in Monroeville, Pennsylvania. The site is located at the southwest corner of State Routes 48 and 22, the second busiest intersection in the state of Pennsylvania. This complex will consist of a 500-car parking garage and a 300,000 sq. ft. hospital comprised of inpatient services, medical offices, and facilities for emergency care, surgery, and imaging. The complex will also house a women's center, a cancer center, and a helipad. The project is currently being designed to obtain a LEED Certification. Additionally, the post-construction stormwater management collection conveyance and drainage facilities are being designed to LEED requirements.

GAI Project Manager:
Patrick M. Gallagher

Project Team:
BBH Design of PA. (Prime)
GAI Consultants, Inc. (Subconsultant)
Keddal Aerial Mapping(Subconsultant)

Client:
BBH Design

Client Contact:
Timothy Spence, AIA
919.460.6700

Completion Date:
July 2012

#C080600

Major Accomplishments

Pending LEED Certification and other awards after construction is completed.

Lasting Benefits

The stormwater management plan will help alleviate existing flooding problems in the Dirty Camp Run watershed and also provide infiltration to recharge ground water as well as treating post developed runoff providing improvements to water quality.

Work Tasks/Services

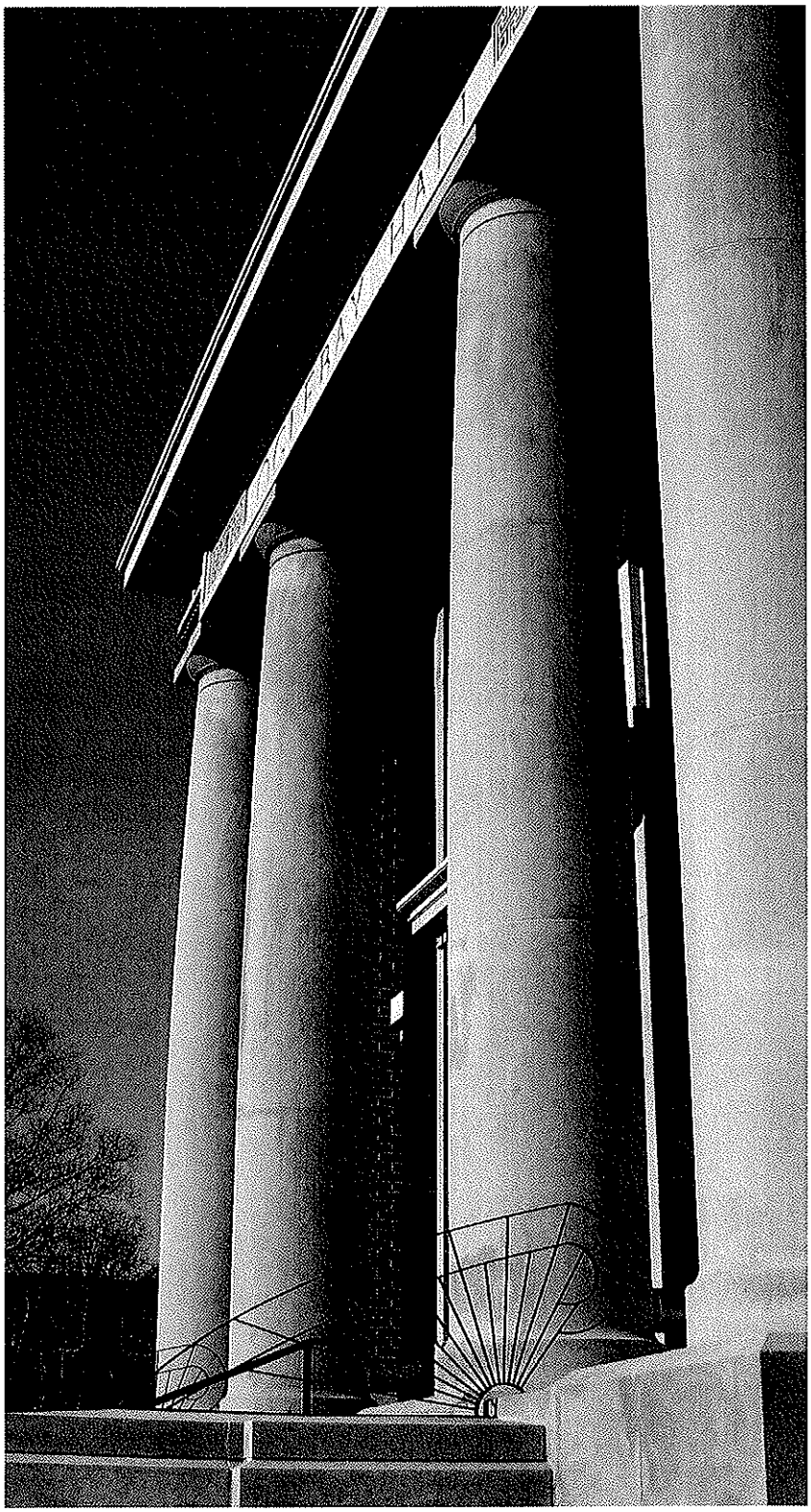
- Conceptual & Preliminary Engineering
- Proposed Geotechnical Boring Survey
- Utility Survey & Plans
- Property Survey, Topographic Survey & Verification of Aerial Survey
- Preliminary Investigations
- Site Plan
- Horizontal Control Plan
- Grading & Storm Drainage Plan
- Stormwater Management Plan (LEED Certification)
- National Pollution Discharge Elimination System (LEED Certification)
- Demolition Plan
- PADEP Sewage Facilities Planning Module
- Final Construction Plans & Technical Specifications
- Engineering and Construction Monitoring Services Inspectors

Value Added Innovations

The existing site, home of the former Palace Inn Hotel, presented many sit development challenges due to extreme topographic conditions, previous site fill material, site access, existing utility depths of 70 feet or greater, stormwater management problems and existing flooding conditions. There are also earthmoving challenges due to site size and poor existing soil conditions. GAI prepared a detailed grading plan that minimizes excess excavation and the need and the cost associated with hauling off-site for disposal. GAI avoided impacting an existing stream and a 72" culvert traversing the site. The culvert has over 70 feet of existing fill over it. GAI prepared a stormwater management system that utilizes infiltration, bioremediation swales, and a detention pond to alleviate existing flooding conditions and to meet LEED Certification requirements.

References

Perfido Weiskopf Wagstaff + Goettel



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