

**State of West Virginia
Purchasing Division
West Virginia Schools
for the Deaf and Blind**

CEOI 0403 DBS2200000001
Statement of Qualifications A/E
Design Services
Safety, Security and Electrical
Upgrades
July 12, 2022

07/12/22 12:49:10
West Virginia Purchasing Division



**EXPRESSION OF INTEREST
ARCHITECT AND ENGINEERING SERVICES
WV PURCHASING DIVISION
WEST VIRGINIA SCHOOLS
FOR THE DEAF AND BLIND
SAFETY, SECURITY AND ELECTRICAL
UPGRADES
CEOI 0403 DBS2200000001
JULY 12, 2022**

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July 12, 2022

Joseph E. Hager, III
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: Solicitation No. CEOI 0403 DBS2200000001

Dear Mr Hager:

Omni Associates-Architects, Inc. is pleased to submit our Proposal to provide architectural and engineering design services for the WV Schools for the Deaf and Blind Safety, Security and Electrical Upgrades.

Our team for this project would include **Tower Engineering** who we share a long history of successful project collaboration with on similar projects in the education sector as well as several large office projects.

Omni has extensive design experience for interior renovation projects for private commercial offices as well as for Federal State and Local governmental agencies. This experience includes phased renovations and developing plans to renovate building while they remain in operation.

Omni Associates will serve as the lead firm and coordinator of architectural and engineering services. As Omni's Principal-in-Charge, I will guide this project from programming to construction administration in an efficient and effective manner and serve as the as the point-of-contact.

Thank you for allowing us to present our credentials.

Sincerely,
OMNI ASSOCIATES – ARCHITECTS, INC.

A handwritten signature in blue ink that reads 'David E. Snider'.

David E. Snider, AIA, NCARB, ALEP
Principal

DESIGN TEAM QUALIFICATIONS

OMNI ASSOCIATES - ARCHITECTS is an award-winning architectural firm located in Fairmont, West Virginia. Our approach to design has allowed us to avoid the confines of specialization and afforded us the opportunity and experience to create a diverse body of work.

Since the beginning in 1980, Omni has earned recognition for the programming, planning, and design of a variety of structures; which includes corporate office and governmental buildings, health care facilities and medical campuses, academic and educational buildings, recreational, religious, military and public safety facilities.

Our reputation and superior work product are the result of efficient and effective communication with our clients and consultants.

Each project is a unique undertaking that begins with analyzing the needs and desires of the client, and interpreting them into a distinctive design that exceeds expectations.

Omni has a successful history of designing intimately with each client and creating collaborative solutions that meet the project goals, resulting in an impressive record of customer satisfaction. These qualities that draw our clients back, resulting in lasting relationships.

Omni Associates provides clients with the results they value most: innovative designs consistent with the building program, cost effective designs which meet the budget, and efficient project management to provide on-time deliverables.

We firmly believe that the best gauge in determining our performance and abilities is the quality of the personnel of

which we are comprised. Omni's greatest resource is our professional staff of dedicated, experienced, and creative individuals. Our project team goes beyond our in-house staff however. Omni carefully selects its project team based on each member's ability to add directly-related experience, ensuring our ability to meet the specific challenges and goals of each client.

Throughout our years of experience, we have worked with a variety of consultants specializing in structural engineering, civil engineering, mechanical and electrical engineering, and other disciplines as each project dictated. You can be assured that the consultants we select for your project are selected for their particular and relevant experience as well as their superior work ethic.

It is the mutual respect of each team member's skills and perspectives that enables the design process to conclude with a successful project of which we all can be proud.

In short, for each project we undertake at Omni, we carefully staff our teams, including in-house professionals and outside consultants, with the type of personnel we would want working for us, to work for you.

DESIGN TEAM QUALIFICATIONS cont'd

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

Design-Bid-Build Delivery Method

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

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

Design-Build Delivery Method

More and more owners and developers are seeking a simpler delivery style with a single point of responsibility for both design and construction. Under design-build, a consolidated entity provides both design and construction services to the owner. A single contract is established between the owner and the architect-contractor or design-

builder. Omni has experience with both scenarios and has contracted with owners and with general contractors to achieve this streamlined method of project delivery for two West Virginia schools as well as numerous private Owners. Additionally, Senior Principal, Richard T. Forren is a member of the West Virginia Design Build Board.

Construction Administration

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

ORGANIZATIONAL CHART



PRINCIPAL OWNERSHIP

Richard T. Forren, President
Adam L. Rohaly, Vice President
John I. Rogers, III Member
David A. Stephenson, Sec/Tr

PRINCIPAL ARCHITECTS

Jason M. Miller
David E. Snider

REVIT OPERATORS

Reuben Losh, BIM Manager
Rich Greathouse
Dan Baldwin
Greg Morris

ARCHITECT EMERITUS

Stephen A. Barnum Founding Member | Est 1980

INTERN ARCHITECTS

Jaime Ryan, LEED AP
Joshua Shinn
Sarah Bush
Mariah Falcon

PROJECT SUPPORT

Shelly McLaughlin-Snider, Project Administrator
Eileen Layman, CPA
Colbi Dick, Accounting Manager
Lisa Bombardiere, Administrative Assistant
Katie Nunan, Marketing
Riley Tonkery, FSU Student Intern

TECHNICAL EXPERIENCE

Upgrading existing technology and utilizing the latest design tools available is a key component of our business model. Technology facilitates innovative design, results in economic benefits for our clients, and enhances communication with clients and consultants.

BIM: Building Information Modeling

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

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

With a virtual model of the building, clients can clearly see the design intent as the project progresses and design options can be explored with greater ease than ever before.

Sharing the model among all disciplines as the design progresses allows early input from all of the design professionals involved, resulting in efficient designs.

Creating a building in the virtual world before constructing it in the real world allows the design team to anticipate conflicts and objections before they arise, eliminating many issues which could result in project change orders or Requests For Information from the contractor.

Omni is proud to show that we do not just use Revit software, but we are adept at utilizing it, and can provide skilled support as needed.

Omni Project Manager, Reuben Losh is now an Autodesk Revit Architecture 2011 Certified Associate.

Electronic Submission of Project Documents

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

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

PROJECT TEAM

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

Omni Associates - Architects

David Snider, AIA, NCARB

Principal in Charge

Mr. Snider has over 20 years of experience as a licensed architect and Project Manager and has been a Principal in Charge of projects for over 5 years. Known as one of Omni's most effective project managers, Mr. Snider has demonstrated his skills successfully on several projects for a Confidential Financial Client, United Technical Center, WV, and East Dale Elementary School. As the Principal in Charge, his primary responsibility is to guide and coordinate the team in the development the overall concept of design by performing technical tasks which include project space pro-gramming; schematic layout of functional spaces; aesthetic design and development; and concept and coordination of building systems such as mechanical, electrical, plumbing and fire protection.

Omni Associates - Architects

Joshua Shinn

Project Manager

Mr. Shinn joined Omni in 2020 after working for 10 years as a Planner and Construction Manager for West Virginia University. In his brief time at Omni, Mr. Shinn has demonstrated his vast experience as a PM on such projects as the WVU Engineering Sciences G85 Lab project, the Pierpont Community and Technical College's Facilities Master Plan and the renovation of the campus data center for the Community College of Allegheny County. Mr. Shinn's previous work at WVU included work on projects such as Eiesland Hall, Chitwood Hall, and White Hall.

CONSULTANTS

For each project we undertake at Omni, we carefully staff our teams, including in-house professionals and outside consultants, with the type of personnel we would want working for us, to work for you. Omni has specifically chosen **Tower Engineering, Inc. to provide MEP Engineering and Fire Protection services** for this project. Omni and Tower share a long history of successful project collaboration.

Tower Engineering, Inc.

James N. Kosinski, PE, LEED AP

Principal, President, Mechanical Engineering

Mr. Kosinski is primarily responsible for the design of HVAC systems and their components for Tower Engineering's K-12 projects. Jim's design responsibilities include load calculations, equipment selection, system layout, project specifications, cost estimates, direction of project drafting efforts, coordination with other engineering disciplines, and construction administration. Additional responsibilities include system analysis and energy studies, client contact, and project management and scheduling. He has performed energy conservation analyses, evaluated HVAC system performance, and justified the installation of DDC control systems and other energy saving measures. As a Mechanical Engineering Group Leader, Mr. Kosinski coordinates the efforts of a team of staff engineers, designers and CAD operators.

Tower Engineering, Inc.

T Stephanie Bako, PE

Principal, Electrical Engineering

Ms. Bako is responsible for the design of electrical systems and their components for educational, commercial, and governmental facilities, with a significant amount of experience in the K-12 educational sector. Steffanie's design responsibilities include lighting layout, fixture selection, and lighting calculations; power distribution from service entrance to branch devices, including coordination with the appropriate utility company, coordination with the architect for owner-provided equipment, and coordination with other disciplines for equipment provided under other trades; emergency power distribution systems, including engine generators and various battery back-up systems; fire alarm detection and alarm systems; public address and emergency communications systems; telecommunications cabling infrastructure; and security systems.

PROJECT TEAM cont'd

Tower Engineering, Inc.

Michael S. Plummer, PE, CPD, LEED AP

Principal, Plumbing and Fire Protection

Mr. Plummer is primarily responsible for the design of plumbing and fire protection systems and their components for educational, governmental, and commercial buildings. His plumbing duties include the design and layout of all domestic hot and cold water, sanitary drainage and storm water management systems. He is also responsible for the natural gas piping systems along with specialty systems involving laboratory or hospital gases. Mike's fire protection responsibilities include the design of water supply and pumping systems involving fire mains and sizing of fire pumps, the layout of standpipe and sprinkler zone locations, sprinkler head placements and reviewing hydraulic calculations for contractor designed sprinkler systems. He is a LEED Accredited Professional and designs all his projects with sustainability in mind.

Tower Engineering Inc.

Thomas R. Valerio, PE, CEM

Project Manager for HVAC

Tom Valerio manages and provides design and construction administration services for approximately \$10 million of HVAC construction annually. His primary responsibilities include the design and analysis of HVAC systems for schools, universities, commercial and light industrial facilities, laboratories, health & science buildings, retail and municipal facilities. As a Certified Energy Manager, Tom improves facility energy performance by analyzing energy consumption, developing energy conservation measures, determining their probable construction cost, and calculating their return on investment.

DAVID E. SNIDER, AIA, NCARB

EDUCATION

Master of Architecture - Virginia Polytechnic Institute, 2001 B.S. Engineering Technology (Architecture) - Fairmont State College, 1989
Associate of Applied Design (Drafting and Design) - Fairmont State College, 1989

REGISTRATION / PROFESSIONAL AFFILIATIONS

American Institute of Architects, Member
American Institute of Architects—West Virginia, Member
Accredited Learning Environment Planner (ALEP)
U.S. Green Building Council, Firm Membership Associated Builders and Contractors, Firm Membership Registered in West Virginia

GENERAL EXPERIENCE

Joined Omni Associates in 1995 and became a Principal Architect in 2015. Practice has included diverse project types including primary, secondary, and higher-education education facilities, office buildings, secure, mission critical facilities, health care facilities, commercial design, multifamily and single-family housing, and manufacturing facilities. Extensive experience with the preparation of construction documents, material specifications, and bidding documents as well as construction administration. **One of Omni's most effective project managers.**

SELECT PROJECT EXPERIENCE

New Construction

Brookhaven Elementary School
Lincoln Middle School
Franklin Elementary School
Lumberport Elementary School
West Fairmont Middle School
Fairmont Senior High School Cafeteria
Genesis Youth Crisis Center
West Virginia High Technology Consortium Foundation (WVHTCF)
Mylan Pharmaceuticals

Renovations:

United Technical Center
Town of White Hall Municipal & Public Safety Building White Collar Crime Offices
White Collar Crime Data Center
Confidential Client Secure Facility
Confidential Client Secure Inspection Building
Northrup Grumman Offices
NASA Offices
Wallman Hall Renovations
Robert C. Byrd Aerospace Center Renovations
Colebank Hall Renovations

JOSHUA R. SHINN, NCARB

EDUCATION

Master of Architecture: University of Tennessee, 2007

B.A. Art History: West Virginia University, 2000

RELEVANT EXPERIENCE

Omni Associates – Architects: 2020-Present
Project Manager

WVU Engineering Sciences Building Lab G85

Renovation of Fabrication and Design Lab

With H.F. Lenz

Morgantown WV

Pierpont Community and Technical College Master Plan

Multi-campus, multi-building assessment and planning

Fairmont, WV

Community College of Allegheny County

Renovation of Central Campus Data Center

With H.F. Lenz

Pittsburgh, PA

West Virginia University – Planning, Design, Construction, and Scheduling: 2010-2020
Planner and Construction Project Manager

- Worked closely with individual College administrations and FM to provide overall management and administration of projects from Schematic Design through end of construction. Provided oversight of construction to assure spaces were constructed per the Colleges requirements and budgets.

WVU Engineering Sciences Building Lab G86

Renovation of Advanced Prototyping Lab

With H.F. Lenz

Morgantown WV

WVU Martin Hall Incubator Lab

College of Media

Multipurpose Audio Visual and Classroom Space, Offices

Morgantown, WV

Oglebay Hall Forensics Lab and Classroom Renovation

New Ground Floor Forensic Lab and Renovation of Computer Classroom

Grant Funded

Morgantown, WV

WVU Eiesland Hall IEP Classroom Renovation and HVAC Replacement

With H.F. Lenz and Omni Associates – Architects

New Third/Fourth Floor Classrooms and replacement of the HVAC system

Morgantown, WV

Numerous other lab, office, and classroom projects for the Eberly College in buildings including Woodburn Hall, Chitwood Hall, Brooks Hall, Armstrong Hall, Hodges Hall, Life Sciences Building, Chemistry Research Lab, Oglebay Hall, Stansbury Hall, and Eiesland Hall.

JAMES N. KOSINSKI, PE, LEED AP

PRINCIPAL, PRESIDENT SENIOR PROJECT MANAGER, MECHANICAL ENGINEERING

Mr. Kosinski is primarily responsible for the design of HVAC systems and their components for Tower Engineering's K-12 projects. He has experience with the design of numerous types of HVAC systems, including constant and variable air volume air handling, geothermal heat pump and exhaust systems; chilled water and hot water; electric/electronic, pneumatic and DDC control systems.

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

REPRESENTATIVE EXPERIENCE

Sewickley Academy - Sewickley, PA

Oliver Science Building; Alumni Gymnasium

Bethel Park School District - Bethel Park, PA

Benjamin Franklin Elementary School Renovation; George Washington Elementary School Renovation; Neil Armstrong Middle School Renovation; New High School

Berkeley County Board of Education - Martinsburg, West Virginia

New West Central Intermediate School

Central Greene School District - Waynesburg, PA

High School Renovation

Millcreek Township School District - Erie, Pennsylvania

Tracy Elementary; Westlake Middle School

North Allegheny School District - Pittsburgh, Pennsylvania

Marshall Elementary School renovation; McKnight Elementary School addition/renovation; North Allegheny Intermediate School addition/renovation

Webster County Board of Education - Upper Glade, West Virginia

High School Renovation

North East School District - North East, Pennsylvania

Earl C. Davis Elementary School addition/renovation

Peters Township School District - Peters Township, Pennsylvania

New high school

Pine Richland School District - Gibsonia, Pennsylvania



EDUCATION

Bachelor Architectural
Engineering
Penn State University 1989

REGISTRATION

PE, Pennsylvania

PE, West Virginia

PE, New York

PE, Maryland

NCEES Registered

LEED Accredited Professional

AFFILIATION

American Society of Heating,
Refrigeration & Air Condi-
tioning
Engineers (ASHRAE)



T STEFFANIE BAKO, PE

PRINCIPAL, DEPARTMENT HEAD ELECTRICAL ENGINEERING DEPARTMENT

Ms. Bako is responsible for the design of electrical systems and their components for educational, commercial, and governmental facilities, with a significant amount of experience in the K-12 educational sector. In addition to her roles as Principal and Department Head, Steffanie continues to provide design and project management services on a number of projects.

Steffanie's design responsibilities include lighting layout, fixture selection, and lighting calculations; power distribution from service entrance to branch devices, including coordination with the appropriate utility company, coordination with the architect for owner-provided equipment, and coordination with other disciplines for equipment provided under other trades; emergency power distribution systems, including engine generators and various battery back-up systems; fire alarm detection and alarm systems; public address and emergency communications systems; telecommunications cabling infrastructure; and security systems.

Additional project responsibilities include preparation of engineering drawings, technical specifications, opinions of probable cost, review of submittals, and field observation.

PROFESSIONAL EXPERIENCE

Sewickley Academy – Sewickley, PA
Beaver Road Sports Complex

Bethel Park School District - Bethel Park, PA
Benjamin Franklin Elementary School Renovation
George Washington Elementary School Renovation
Neil Armstrong Middle School Renovation
New High School

Seneca Valley School District - Cranberry Township, PA
New K-4/5-6 School
MEP Infrastructure Improvements (multiple schools)

Peters Township School District - Peters Township, PA
New High School

Franklin Regional School District - Murrysville, PA
Sloan Elementary School Addition & Renovations
New Intermediate School

Grove City Area School District - Grove City, PA
Hillview Elementary School Addition & Renovations

**Westinghouse Arts Academy Charter School -
Wilmerding, PA**
High School Renovation

North Hills School District - Pittsburgh, PA
McIntyre Elementary School Classroom Addition
Ross Elementary School Addition & Renovations
Highcliff Elementary School Addition & Renovations

South Fayette Township School District - McDonald, PA
High School Addition
New Intermediate School

Girard School District - Girard, Pennsylvania
Rice Elementary School Addition & Renovations

West Jefferson Hills School District - Jefferson Hills, PA
New High School

Pine Richland School District - Pine Township, PA
High School Addition

Moon Area School District - Moon Township, PA
New Moon High School

McCormick Elementary School Renovation

Harrison County Schools - WV
Lumberport Elementary School Renovation



EDUCATION
BS Electrical Engineering
Case Western Reserve University
1997

REGISTRATION
Professional Engineer
PA - [REDACTED]
OH - [REDACTED]
WV - [REDACTED]

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



MICHAEL S. PLUMMER, PE, CPD, LEED AP

PRINCIPAL, DEPARTMENT HEAD PLUMBING AND FIRE PROTECTION DEPARTMENT

Mr. Plummer is primarily responsible for the design of plumbing and fire protection systems and their components for educational, governmental, and commercial buildings. His plumbing duties include the design and layout of all domestic hot and cold water, sanitary drainage and storm water management systems. He is also responsible for the natural gas piping systems along with specialty systems involving laboratory or hospital gases. Mike's fire protection responsibilities include the design of water supply and pumping systems involving fire mains and sizing of fire pumps, the layout of standpipe and sprinkler zone locations, sprinkler head placements and reviewing hydraulic calculations for contractor designed sprinkler systems. He is a LEED Accredited Professional and designs all his projects with sustainability in mind.

Mike's duties include preparation of project specifications, cost estimates, project management, and coordination with architectural and other engineering disciplines. He also performs construction administration duties including review of submittals, preparation of punch lists, and field problem solving, as well as supervising the engineering efforts of the Plumbing and Fire Protection Department.

PROFESSIONAL EXPERIENCE

Bethel Park School District - Bethel Park, Pennsylvania
New High School

Beaver Area School District - Beaver, Pennsylvania
College Square Elementary Renovation

Brooke County Board of Education - Follansbee, West Virginia
Hooverson Heights Primary School; Bethany Primary School

Chartiers Valley School District - Bridgeville, Pennsylvania
Middle School Addition and Alterations; High School Addition and Alterations

Deer Lakes Area School District - Russellton, Pennsylvania
New Middle School

Girard School District - Girard, Pennsylvania
Rice Avenue Middle School Renovation

Peters Township School District - Peters Township, Pennsylvania
New High School



EDUCATION

BS, Mechanical Engineering
Penn State University 1997

REGISTRATION

Professional Engineer, PA
2003

Certified in Plumbing

Design (CPD), 1998 and 2015

LEED Accredited Professional
2009





THOMAS R. VALERIO, PE, CEM

ASSOCIATE; PROJECT MANAGER DEPARTMENT HEAD FOR HVAC

Tom Valerio manages and provides design and construction administration services for approximately \$10 million of HVAC construction annually. His primary responsibilities include the design and analysis of HVAC systems for schools, universities, commercial and light industrial facilities, laboratories, health & science buildings, retail and municipal facilities. Tom draws from over 30 years of construction engineering experience to lead teams that provide cost effective, energy efficient solutions.

As a Certified Energy Manager, Tom improves facility energy performance by analyzing energy consumption, developing energy conservation measures, determining their probable construction cost, and calculating their return on investment.

REPRESENTATIVE EXPERIENCE

Sewickley Academy – Sewickley, PA
Oliver Science Building; Means Event Center

Chartiers Valley School District – Bridgeville, PA
Site Assessment
New 200,000 SF High School Addition
New 130,000 SF Middle School

South Park School District – South Park, PA
New Maintenance Building

Steel Valley School District – Munhall, PA
High School HVAC Renovations
Park Elementary Annex Heat
High School Building Automation System (BAS) Upgrades

Montour School District – McKees Rocks, PA
Middle School Energy Study

Penn Hills School District - Penn Hills, Pennsylvania
New Elementary School

Pittsburgh Public Schools - Pittsburgh, Pennsylvania
Allegheny Elementary & Middle Classical Academy Alterations and Additions
West Liberty Elementary School Alterations and Additions

Washington School District - Washington, Pennsylvania
Park Elementary School

EDUCATION

BS, Mechanical Engineering
University of Pittsburgh 1982

REGISTRATION

Pennsylvania

West Virginia

AFFILIATIONS

LEED Accredited Professional
2008

US Green Building Council
2008

Certified Energy Manager
(CEM) 2008



PROJECT APPROACH

At Omni, we have incorporated a rigorous design approach to projects that allow us to identify the unique attributes needed for each circumstance that projects contain so that a cohesive design can be achieved. Problematic issues such as operations, ADA accessibility and department identity can be resolved with the right approach. As WV State agencies we recognize that your stewardship of cost is of utmost importance, we anticipate working closely with our cost estimators throughout the process to establish necessary baseline costs and contingencies that take into account product availability and inflation. We are at a time where creative approaches and alternate back-up material selections can prove necessary and are not uncommon.

Goal Objective #1, #2 and #4

Fire Suppression Systems: Almost all of the design team's projects whether existing or new construction, include the design of a fire suppression system. Often times, this is a requirement to meet current NFPA codes. Omni likes to meet with the WV State Fire Marshal's office early in the design phase to properly understand their requirements for each project as they all have unique elements to their design. The installation of a sprinkler system provides for important life safety improvements and insurance premium reductions. Over the years, we have also worked on many projects where the only scope of work is to design a new sprinkler system. For these projects, it is critical to ascertain whether the existing municipal system provides sufficient flow/pressure to avoid the need for storage tanks and/or a fire pump. Our team will work with the existing municipal authority to setup a flow test. Design of the sprinkler piping distribution system must take into consideration available space above ceiling plenums as well as potential routings where exposed piping may be acceptable. When piping must be concealed, we take into consideration space available and the quality of existing lighting/ceiling systems. Buildings will be researched for any historical register listings as well as taking care to preserve the historical nature of any portion of buildings when running these pipes. When lighting and ceiling systems are dated, at times it can be more cost effective to remove/replace concurrent with the installation of the sprinkler system.

From our site visit, we know that there is an existing hydrant within the courtyard area to the Southwest of the Physical Education Building. Once we know the flow/pressure capabilities at that point, we will calculate whether actual pressure requirements to ensure that a fire pump is not required. Most of the buildings have an existing fire department connection, and appear to have sprinkler heads. For these buildings we will verify that the head coverage is complete and modify/extend the piping as needed.

Goal Objective #3

Elevators: Omni has provided the design services for many elevator replacements over the years. The new installation of an elevator within an existing building affects the building's general construction in addition to MEP systems. In examining the existing elevators, it is hopeful that the size and configuration of the elevator will meet the new codes for number of occupants, gurney and accessibility needs so that new construction can be avoided thus saving money for other projects. The elevator equipment room will require stand-alone cooling equipment. Sump drains, constant power requirements, emergency power, fire protection etc. must be evaluated in the design process.

Goal Objective #5

Campus Security Cameras: Our design team has in-house technology capabilities. Technology incorporates data/networking, AV systems and security systems. For many of our K-12 projects (including the current projects with the Western PA School for the Deaf) we work with owners to understand their unique security requirements and design systems that provide the necessary camera coverage and monitoring of access. Currently, we did not observe any security cameras. Future site visits and meetings will identify all points where vehicular as well as pedestrian traffic can enter the overall site, to be sure that coverage is complete. The system will tie into a head-end unit where all cameras can be monitored from multiple remote and on site locations.

PROJECT APPROACH cont'd

Goal Objective #6

Sevigny Building Lighting: All of the buildings lighting will be evaluated and inventoried to include exit, task, etc. A plan for immediate replacement or phased replacement will be presented to the client for evaluation from a space inconvenience and cost perspective. There are a number of options that can be considered to improve lighting levels and provide for energy savings. First, if the existing fixtures are in good condition the fluorescent lamps can be simply replaced with LED retrofit kits. This results in an inexpensive project with very short paybacks. An upgraded solution would be to replace the fixtures with new LED fixtures on a one for one basis. This improves the quality of the lighting and also saves energy. The most efficient solution would be to remove the existing lighting fixtures and provide new LED fixtures and lighting controls. Typically, the fixture count can drop significantly (LED fixtures provide for increased lumen output) and the coupling with lighting controls provides for very low energy use. From our site visit, it appears that the existing light fixtures in Sevigny have fluorescent lamps and are the prismatic variety. Many of the observed fixtures are yellowed due to age. We recommend that consideration be given to replacement of the fixture, potentially with a reduction in fixture density which can save money. This team has experience with stage lighting as well if that is required.

Project Examples

Project Examples:

- Allegheny College - Resident Hall Sprinkler Systems
- **Barbour Co BOE - CEFP**
- **Berkeley County BOE - Gerrardstown Middle School**
- **Berkeley County BOE - Martinsburg HS Addition & Elevator Addition**
- **Berkeley County BOE - Martinsburg North Middle School Renovation**
- Bethlehem Haven Fire Alarm Upgrade
- Brew House-Fire Alarm Upgrade & Emergency Generator
- Bridgeville Fire Alarm System
- Burlington Center School - Classroom Addition
- Carlow University - Parking Lot C Lighting Upgrades
- **Chartiers Valley SD - Auditorium / Lobby Alterations**
- Clay Auditorium Classroom Renovation
- Clhoun County Middle/High School - Air Condition Gymnasiums
- **Corry SD - HS / MS Auditorium Theatrical Lighting Upgrade**
- Dollar Bank Operations Center - Fire Alarm Upgrade
- Family Links Elevator Addition
- **Fox Chapel Area SD - High School Auditorium HVAC Study**
- FSU - Musick Library Elevator and HVAC
- **Gilmer County BOE - Cedar Creek Elementary School**
- **Hampshire County BOE - Capon Bridge MS - Kitchen Grease Line Replacement**
- **Hampshire County BOE - Slainsville Elem. Lighting Upgrade**
- **Hancock Co BOE CEFP, ESSERF and Athletic Field Projects**
- **Hardy County BOE - East Hardy High School**
- **Hardy County BOE - Moorefield High School**
- **Highlands SD - Grandview Elementary School Elevator Addition**
- Holy Cross Academy Gym Lighting Upgrade
- LaRoche College Zappala College Center MPR Lighting Upgrade
- **Lewis County BOE - Leading Creek Elementary School**
- **Lewis County BOE - Peterson-Central Elementary School ATC Upgrades**
- **Lewis County BOE - Roanoke Elementary School - Boiler Replacement**
- **Lewis County BOE - Robert L Bland Middle School**
- **Marian Co BOE - East Dale ES Addition**
- Mellon Garage Elevator Upgrade
- MHA - Harrison Village Rec Center Fire Alarm Upgrade
- **Mineral Co BOE - CEFP**
- **Monongalia BOE - South Middle School Add & Reno**
- **Monongalia Co BOE - CEFP**
- **Monongalia County BOE - Eastwood Elementary School Classroom Addition**
- **Monongalia County BOE - Morgantown High School Stadium - Phase 3**
- **Monongalia County BOE - Ridgedale Elementary School Addition**
- **Monongalia County BOE - University High School Facilities Building**
- **Monongalia County BOE - Westwood Middle School Locker Room/Concessions**
- **Morgan Co BOE - Pleasant View Elementary School Renovation**
- **Morgan County BOE - Berkeley Springs High School Gym Bldg. Renovation**

- MVH - Elevator at RAH
- **NASD - Auditorium Renovations**
- **NASD - District Wide Security Upgrades**
- **NASD - Franklin Elementary School - Fire Alarm Replacement**
- **NASD - Intermediate HS Emergency Generator & Fire Alarm Upgrades**
- **NASD - McKnight Elementary Fire Alarm and PA Upgrades**
- **NASD - McKnight Elementary School Roof Replacement**
- **NASD - NAI McKnight Exterior Lighting Upgrades**
- **NASD - NASH Gym and Auditorium Bathroom Reno**
- **NASD - North Allegheny High School Security System**
- **Northwestern SD - High School Auditorium Lighting**
- Oakland Portal Elevator Voltage
- OLMC St. Sebastian Church Choir Area Lighting Upgrade
- **Pittsburgh BOE - Dillworth Academy – Elevator**
- **PPS - Westinghouse HS - Security System**
- PSU Behrend Prischak Building Elevator Replacement
- PTS Chapel Elevator
- **Putnam County BOE - Buffalo Elementary School Renovations**
- **Putnam County BOE - Lakeside Elementary School**
- **Putnam County BOE - Winfield Elementary School Renovations**
- **Putnam County Schools - Conner Street Elementary**
- **Putnam County Schools – Technology**
- **Riverview SD - Auditorium Sound System**
- St Sebastians Lighting Upgrade
- St. Cyril of Alexandria Church - Fire Alarm Upgrade
- **SVSD - CV and Rowan Elem School Fire Alarm Upgrades**
- **SVSD - District Wide Site Lighting Upgrades**
- **SVSD - Intermediate School Auditorium RTU Replacement**
- **Taylor County BOE - Grafton HS Auditorium Ceiling Replacement**
- **Taylor County Schools - West Taylor ES Classroom Addition**
- University of Pittsburgh - 2020 Fire Alarm System Replacements
- University of Pittsburgh - 2022 Fire Alarm System Replacements
- University of Pittsburgh - Bellefield Hall Sprinkler Line Replacement
- University of Pittsburgh - Bradford - Hanley Library Fire Alarm Replacement
- University of Pittsburgh - Bradford - KOA Arena Lighting Upgrade
- University of Pittsburgh - Center for Bioengineering Fire Alarm Replacement
- University of Pittsburgh - Chevron Auditorium Ceiling Upgrade
- University of Pittsburgh - Chevron Data / Security Risers
- University of Pittsburgh - Clapp Hall 4th Floor Security
- University of Pittsburgh - Cost Sports Center Lighting Upgrades
- University of Pittsburgh - Craig Hall - Fire Alarm System Upgrade
- University of Pittsburgh - Darragh Street Housing Fire Alarm & Sprinkler Upgrade
- University of Pittsburgh - Davis Hall Fire Alarm System Installation
- University of Pittsburgh - Field House Lighting Upgrade (Energy Conservation)
- University of Pittsburgh - Fire Alarm Notification Upgrade
- University of Pittsburgh - Fire Alarm Systems Replacements
- University of Pittsburgh - Fire Alarm Upgrades FY22
- University of Pittsburgh - Forbes Craig Apartments - Fire Alarm Up

- University of Pittsburgh - Franklin Complex - Fire Alarm System Replacement
- University of Pittsburgh - Fraternity House Fire Alarm Monitoring with RS2
- University of Pittsburgh - Greensburg Campus Exterior Lighting Upgrade
- University of Pittsburgh - Greensburg Campus McKenna Hall Replace Fire Alarm System
- University of Pittsburgh - Greensburg Faculty Office Bldg. Fire Alarm Replacement
- University of Pittsburgh - Greensburg McKenna Hall Fire Alarm System Upgrade
- University of Pittsburgh - Heinz Chapel - Install Fire Alarm System
- University of Pittsburgh - Hillman Library Fire Alarm Device
- University of Pittsburgh - Life Science Annex & Plum Boro Holding Room Lighting Upgrades
- University of Pittsburgh - Mayflower Apartments - Fire Alarm System
- University of Pittsburgh – McCormick Hall Roof Replacement
- University of Pittsburgh - Melwood Fire Alarm Upgrade
- University of Pittsburgh - Misc Fire Alarm Systems Replacements
- University of Pittsburgh - Oakland Campus Fire Alarm Notification - Phase 2
- University of Pittsburgh - Oakwood Apartments - Fire Alarm System
- University of Pittsburgh - Posvar Hall Chiller Plant Lighting Upgrade
- University of Pittsburgh - Security Alert All Tie-in to Fire Alarm Panels - Phase 2
- University of Pittsburgh - Soldiers & Sailors Fire Alarm System Replacement
- University of Pittsburgh - Stephen Foster Memorial Upgrade Fire Alarm System
- University of Pittsburgh - Victoria Bldg Fire Alarm System
- **Upshur Co Schools Middle School Building Assessment**
- **Webster Co BOE - 2017 MIP Lighting Upgrade**
- **Webster Co BOE - High School Renovation**
- **Webster Co BOE - Webster Springs MIP**
- **Webster County BOE - HS & Webster Springs ES HVAC Upgrades**
- **West Mifflin SD-New Access Control, Camera and Security**
- **Western PA School for the Deaf – Master Plan Review (Active)**
- **Western PA School for the Deaf - Student Walk (Active)**
- **Western PA School for the Deaf Masterplan**
- Westmoreland County Community College (WCCC) - Multi-Campus Security
- **WGSD - HS Auditorium Lighting/Sound Upgrade**
- Winchester Thurston Fire Alarm Sys Replacement
- WV Capitol Complex Buildings 4 and 36 Elevators
- WV Capitol Complex Elevator Upgrades – Study
- WVU - Falbo Theater House Lighting Upgrades

K-12 Schools:

Pennsylvania:

- Allegheny Valley School District
- Ambridge Area School District
- Avonworth School District
- Baldwin-Whitehall School District
- Beaver Area School District
- Bentworth School District
- Bethel Park School District
- Blackhawk School District
- Carlynton School District
- Central Greene School District
- Chartiers Valley School District
- Chestnut Ridge School District
- Conneaut School District
- Corry Area School District
- Deer Lakes School District
- East Allegheny School District
- Elizabeth Forward School District
- Erie County School District
- Fairview School District
- Fort Cherry School District
- Fort LeBoeuf School District
- Fox Chapel School District
- Franklin Regional School District
- Freedom Area School District
- Gateway School District
- General McLane School District
- Girard School District
- Greensburg-Salem School District
- Hampton Area School District
- Harbor Creek School District
- Hopewell Area School District
- Jamestown Area School District
- Jefferson Morgan School District
- Marion Center Area School District
- Mars Area School District
- Millcreek Township School District
- Montour School District
- Moon Area School District

- Mt. Lebanon School District
- North Allegheny School District
- North East School District
- North Hills School District
- Northwestern School District
- Norwin School District
- Penn Cambria School District
- Penn Hills School District
- Penncrest School District
- Peters Township School District
- Pine Richland School District
- Pittsburgh Public Schools
- Quaker Valley School District
- Riverview School District
- Seneca Valley School District
- Shaler Area School District
- Slippery Rock School District
- South Allegheny School District
- South Fayette School District
- Southmoreland School District
- Spring Cove School District
- Steel Valley School District
- Sto-Rox School District
- Trinity Area School District
- Union City School District
- Upper St. Clair School District
- Warren Area School District
- Washington Area School District
- Wattsburg Area School District
- West Greene School District
- West Jefferson Hills School District
- West Middlesex School District
- Woodland Hills School District
- Western Pennsylvania School
for the Deaf

West Virginia:

- Barbour County

- Berkeley County
- Brooke County
- Calhoun County
- Clay County
- Doddridge County
- Gilmer County
- Grant County
- Hampshire County
- Hardy County
- Harrison County
- Jackson County
- Jefferson County
- Lewis County
- Marion County
- Marshall County
- Mercer County
- Mineral County
- Mingo County
- Monongalia County
- Monroe County
- Morgan County
- Pendleton County
- Pleasant County
- Preston County
- Putnam County
- Ritchie County
- Roane County
- Taylor County
- Upshur County
- Warren County
- Webster County

Private Schools:

- Allegheny Academy
- Aquinas Academy
- Cathedral School
- Diocese of Greensburg
- Diocese of Pittsburgh

- Eden Christian
- Erie County Vo-Tech
- Mother of Sorrows School
- Pressley Ridge School
- Oakland Catholic
- Scotland School for Veterans' Children
- Sewickley Academy
- Shadyside Academy
- St. Alphonsus School
- St. Gertrudes School
- Trinity Episcopal School
- Watson Institute
- Winchester Thurston