

SIGMA PSI CONSULTING ENGINEERS

Statement of Qualifications

Sigma Psi Consulting
Mechanical/Electrical/Plumbing Engineers, PLLC
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INTRODUCTION

The Greek letters Σ (Sigma) and Ψ (Psi) are frequently used to represent variables in equations of summation and probability when several, often interdependent, factors must be considered.

Sigma Psi Consulting was formed in September 1997 by Paul J. Martin, PE, and is a Professional Services Limited Liability Company (PLLC). Sigma Psi Consulting is a certified Service Disabled Veteran Owned Small Business. Prior to forming the firm, Mr. Martin had over 12 years of HVAC, process ventilation, plumbing, fire protection and mechanical/electrical design experience with other A/E and M/E consulting firms. Mr. Martin is a licensed professional engineer in the states of Connecticut, Oklahoma, New York, Pennsylvania, Vermont, Virginia and West Virginia. He holds certifications as a Certified Plumbing Designer, a Certified Indoor Air Quality Professional, a Healthcare Design Professional, LEED AP, Certified Energy Manager and a Certified Lighting Professional from various nationally recognized standards associations.

Sigma Psi Consulting offers professional engineering services to Architects, Governmental Agencies, Design/Build Contractors, Engineers, Industrial Hygienists, private and public building owners.

Sigma Psi Consulting has a technical background with experience for a wide range of projects that include high tech office space, historical buildings, computer data centers, hospitals, schools, colleges, laboratories, telecommunications buildings, industrial process facilities, radiological waste handling facilities and others. Sigma Psi Consulting has the ability to bring mechanical, electrical, plumbing and fire protection design services to your project for nearly any design, system or Indoor Air Quality Problem.

The name of our firm, Sigma Psi Consulting, was chosen as a reminder of how dependent the practice of engineering is on mathematics and physics. Engineering projects often require evaluation of many ideas, a determination of constructability and a review of costs. All variables are then reduced into a quantified, common sense design solution.

Sigma Psi Consulting is NYS Certified Service Disabled Veteran Owned Business.

Awards

- ASHRAE Region 1, 2003-04 First Place Commercial Buildings Technology Award for Mission Critical Chiller Plants Verizon Main Central Office, 158 State Street, Albany, NY



Sigma Psi Consulting

Mechanical/Electrical/Plumbing Engineers, PLLC

SAMPLE CLIENTS

The following are some of the current and past clients of Sigma Psi Consulting

Albany County
Albany, NY

Washington Center,
Argyle NY

BBL Construction Services, LLC
Albany, NY

D'Amore Design Studio
Mt. Vernon, NY

Olsen Associates
Saratoga Springs, NY

The following are references for professional services rendered by Sigma Psi Consulting:

- **D'Amore Design Studio Architects & Planners AIA**
Contact: Mr. Ted D'Amore - Principal,
(914) 667-5321
We have provide the design for several office building renovations with Mr. D'Amore
- **Albany County Department of General Service**
Contact: Mr. Michael Martin – Director of Facilities Engineering,
(518) 447-7032
We have provide the design for several office building renovations with Mr. Martin
- **Washington Center, Argyle New York**
Contact: Mr. Don Goff – Maintenance Director
(518) 638-8274, ext. 228
We have provide the design for several Nursing Home renovations requiring the facility to be in use during construction with Mr. Goff
- **BBL Construction Services, Albany, New York**
Contact: Mr. Brent Kosoc – Vice President
(518) 452-8200
We have provide the design for several for several office building renovations with Mr. Kosoc
- **Olsen Associates, Saratoga Springs, New York**
Contact: Mr. George Olsen – Architect
(518) 583-9004
We have provide the design for several for several office building renovations with Mr. Olsen



PROJECTS EXPERIENCE

COMMERCIAL / OFFICE BUILDINGS

**Capital Region Broadcasters,
Albany, New York.**

Provided design for dual standby generators to service new high definition television signal station.

**Internal Revenue Service –
Tax Processing Center Expansion,
Islip, New York.**

Electrical, Plumbing and fire protection design for a new 256,000 sq.ft. building used for IRS Processing Center operations. The project included lighting and power considerations for computer workstations, and was designed according to IRS lease agreement. Construction costs are estimated to be \$20 million.

**New York Prosecutor's
Training Institute,
Albany, New York.**

Review of potential office space for mechanical, electrical and plumbing suitability for purchase.

**Office Building,
Fort Edward, New York.**

Indoor air quality assessment for a two story office building.

**Pennsylvania State Police
DNA Crime Lab,
Hempstead, PA.**

HVAC design and HVAC related electrical design for a violent crimes forensic laboratory building, which included several fume exhaust hoods and biological safety cabinets. Estimated project construction cost: \$1.5 million.

**S.W. Pitts Hose Co. No. 2,
Latham, New York.**

Provided mechanical, electrical, plumbing and fire protection design for an addition and gut renovation of an existing firehouse.



HEALTHCARE

**Bassett Hospital,
Cobleskill/Schoharie, New York.**
Feasibility study of the existing HVAC systems to provide options for a more energy efficient system.

**CLRC,
Various, New York**
Engineering assistance and design for M/E/P work at several locations throughout Northeast New York. Included design for new standby generators, fire alarm systems and HVAC systems.

**Middletown MRI,
Middletown, New York**
Provided HVAC, electrical and plumbing design of an existing retail space to provide for a conversion for an MRI facility.

Northeast Orthopaedics



Albany, New York
MEP design for medical office building for orthopaedic surgeons including MRI capabilities and tenant fit-up for various medical tenants.

**Pleasant Valley Infirmary,
Argyle, New York**
Provided fire sprinkler and HVAC design for the newly renovated adult home wing.

Rome Area Physicians Organization, Rome, New York

Feasibility study of the HVAC, plumbing, electrical, fire protection, medical gas and nurse call systems for renovation of the former surgery wing of the former Griffis Air Force Base Hospital to an ambulatory surgery center.

Southwestern Vermont Medical Center, Bennington, Vermont

Provided HVAC, electrical, plumbing and fire protection design for a new Linear Accelerator X-ray simulation room.

Sunny View Hospital,



Schenectady, NY

Provided design for ventilation improvements in the decontamination room and a replacement of the therapy pool dehumidification unit.

West Avenue Medical Building Saratoga Springs, New York

MEP design for medical office building located in Saratoga Springs, New York.



*HISTORICAL
RELATED PROJECTS*

**Saranac Village at
Will Rogers Institute,
Saranac Lake, New York.**

HVAC, plumbing, fire protection and electrical design for the renovation of the three story, 75,000 square foot former Will Rogers Institute to a 75 unit adult housing apartment complex. Project is a registered historical landmark. Estimated project construction cost: \$6 million.

**Union College –
Parker-Rice Building,**



Schenectady, New York.

Electrical, plumbing and HVAC design for the renovation of an existing three story home into office and gathering space for the Alumni Association.



HOTEL / RESORTS

AMC Hilton



Albany, New York.

Mechanical, electrical and plumbing design for a new seven story hotel with retail tenant spaces, parking garage and walking bridge connected to Albany Medical Center.

Hilton Garden Inn Westhampton, New Jersey.

Provided mechanical, electrical and plumbing design for a new four story hotel.

Holiday/Ramada Inn, Plattsburgh, New York.

Electrical service design for a renovation project of a 105 room, 4 story hotel. The design consisted of a 208 volt, 3-phase, 2000 amp service and power distribution panels on each floor serving new room terminal heat pumps.

Marriott Residence Inn Saratoga Springs, New York.

Provided mechanical, electrical and plumbing design for a new four story hotel.

University Club,



Albany, New York.

Provided a feasibility study of the existing HVAC systems for the 4 story hotel/recreation building. Recommendations for adding air conditioning in specified areas with regard to energy efficiency were discussed.



HOUSING

22 East 31st St Manhattan, New York.

Provided design of a fire pump for an existing seven story apartment building sprinkler system.

Arverne-By-The-Sea, in the Rockaways



Queens, New York.

Provided plumbing coordination services during construction for a new seven-story apartment building.

Apartment Building, Yonkers, New York.

Provided mechanical, electrical and plumbing design for a four-story apartment building renovation.

Apartment Building, Mount Vernon, New York.

Provided mechanical, electrical and plumbing design for a three story apartment building/retail space renovation.

Ellsworth Commons Malta, New York.

Provided mechanical, electrical and plumbing design for a four building multi-level apartment/retail space complex including upscale brownstown apartment units.

Gallery Condominiums, Hunter, New York.

Provided fire sprinkler design for a residential system for renovated buildings for condominium use.

Genessee Residence, Syracuse, New York.

Provided mechanical, electrical, plumbing and fire protection design for two additions for the NYS Office of Mental Health residential care facilities.

Glenville Congregate Housing, Scotia, New York.

HVAC, plumbing and fire protection design for an upscale 120 unit adult housing three story apartment building.

Senior Housing Clifton Park, New York.

Provided HVAC design for a 170 unit, 4-story, adult, independent living apartment building with a below grade parking garage.



INDUSTRIAL

Architectural Metals

Mount Vernon, New York.

Mechanical, Electrical and plumbing design for renovations of two buildings for the main headquarters and fabrication of metal work.

Bridge Metals

Mount Vernon, New York.

Designed exhaust system for use with new paint spray booth in metal fabrication facility.

Columbus Farming Corp.

Design for an underground propane gas distribution system.

Knolls Atomic Power Lab (KAPL)

Building 03,

Schenectady, New York.

Provided plumbing and HVAC design for a new three story office building located on the KAPL campus.

Norton Performance Plastics,

Granville, New York.

Recommendations for ventilation and air conditioning to improve temperature control and indoor air quality for the administrative offices and laboratory areas.

Simulaids,

Saugerties, New York.

Electrical and plumbing design for a plant specialized in manufacturing life size bodies for use in health training.

Verizon,

Eastern New York.

Term contract with RobsonWoese to provide M/E/P design services for Verizon Central Office and switch building facilities from Newburgh to Plattsburgh.

Verizon,

New Commercial Power Service,

Poughkeepsie, New York.

Provided design for a new 4,000amp 208-volt electric service. The existing electric service had reached full capacity. A second service was added to the building using drawout circuit breakers in switchgear having separate distribution bus for utility power and emergency generator power. Each new feeder had separate interlocked breakers for using either commercial or generator power. New distribution feeders were installed throughout the building to permit future growth of the facility.

INDUSTRIAL (CONT)

Verizon, Chiller Loop Project,



158 State Street, Albany, New York.

Provided design for a Chiller system project that entailed cross-connecting a basement chiller plant with an 8th floor chiller plant. In addition, a central Liebert Unit drycooler loop was interconnected with the chiller loop. Design included a new 8th floor 800-ton chiller plant, and replacement-modernization of the three 500-ton basement chillers. Work required sensitivity to many critical systems and critical functions of this 1-million square foot building.

Verizon, New Commercial Power Service, Glens Falls, New York.

Provided design for a new 3,000amp 208-volt electric service. The new service backfed the existing service and increased the electrical distribution capacity of the building. The new service utilized draw-out circuit breakers in switchgear having interlocked commercial and emergency power main breakers.

Verizon, Chiller Replacement, Glens Falls, New York.

Provided design for a 120-ton modular chiller plant using Carrier modular chillers with evaporative closed circuit coolers.

Verizon, New Card Reader Access System Various locations in New York

Provided design for Card Reader Access and security systems.



MUNICIPAL

Albany County Office Building Albany, New York

Albany County office building renovations. Designed HVAC, electrical and plumbing renovations for the LAN server room, 2nd, 3rd, 4th, 5th, 7th and 13th floor renovations. Provided HVAC and related electrical design for replacement of the building chilled water plant. A complete DDC system was designed.

Liberty Lines, Yonkers, New York.

Provided mechanical, electrical and plumbing design for a Bus Radio Dispatch and Administration center servicing the City of Yonkers. Special high security and redundant systems were required for emergency dispatch of busses.

78th Police Precinct, Brooklyn, New York.

Provided construction documents for a new domestic booster pump system for an existing four story building.

Slingerlands Fire District No. 1, Slingerlands, New York.

Provided mechanical, electrical and plumbing design documents for a new 3000 square foot addition. Addition consisted of a new kitchen, community room and toilet rooms.

Washington County Trash Burn Plant Transfer Stations, Fort Edward, New York.

Provided HVAC and Electrical design for renovations to the Transfer stations throughout the County.

Washington County Office Complex Emergency Generator Replacement/ Standby Generator Design, Fort Edward, New York.

Provided generator design for an 800kw generator to provide standby service to the entire building as well as emergency service for the county's emergency services operation center.

Washington County Office Complex 911 Relocation, Fort Edward, New York.

Provided an HVAC renovation design for the relocation of the county 911 system equipment.

Washington County Law Enforcement Center, Fort Edward, New York.

HVAC, electrical and plumbing design for a new 80 cell county jail and sheriff administrative facility. State of the art security control systems, CCTV and card access where provided. The electrical system included a 750 kW backup generator capable of supplying power throughout the building. Plumbing and electrical design included provisions for a full kitchen that also had cook/chill equipment for producing meals to ship off site for other county programs. Plumbing design included provisions for eliminating potential clog points due to vandalism and for the use of security fixtures.



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RELIGIOUS

Holy Family Church, Little Falls, New York.



Evaluation report of HVAC and electrical systems for a Roman Catholic Church in Little Falls, NY.

North Blenheim Methodist Church, North Blenheim, New York

Provided mechanical, electrical and plumbing design for a social activity and conference hall addition to the existing church.

Parkside Covenant Church, Clifton Park, NY

Provided mechanical, electrical and plumbing design for a new church building complete with daycare, classrooms and a worship assembly room.

St. Peter's Church, Saratoga Springs, NY

Feasibility study for the addition of an air conditioning system to the existing church. Also prepared contract documents for replacement of the existing boiler and the new air conditioning system.

RESIDENTIAL

Residential Recreational Building, Diamond Point, New York.

HVAC design and humidity control for and indoor swimming pool and recreation building with large expanses of exterior glass in a very cold winter climate.

Residential Indoor Pool Addition, Niskayuna, New York.

HVAC design and humidity control for and indoor swimming pool and recreation building with large expanses of exterior glass. Plumbing design and electrical design services were also provided.



RESTAURANTS

**American Bistro
Albany, New York.**

HVAC, Plumbing and Electrical Design for a new gourmet restaurant with one service kitchen and one show kitchen.

**Bellini's Italian Eatery
Clifton Park, New York.**

& New Windsor, Connecticut.
HVAC, Plumbing and Electrical Design for a new Gourmet Italian restaurant.

**Golden Corral
Queensbury, New York.**

HVAC, Plumbing and Electrical Design for a for a new Golden Corral franchise location.

**Moe's Restaurant Chain
Various, New York.**

HVAC, Plumbing and Electrical Design for a tenant fit-up of existing spaces for Moe's Mexican restaurant.

**Quizno's Restaurant Chain
Various, New York.**

HVAC, Plumbing and Electrical Design for a tenant fit-up of existing spaces for Quizno's sandwich shops for ten different locations.

**Red Devon Restaurant
Bangall, New York.**

HVAC, Plumbing and Electrical Design for a renovation to a restaurant/butcher shop. Design incorporated Green Buildings initiatives.

RETAIL

**Cohoes Savings Bank,
Schaghticoke, New York.**

Electrical and HVAC design for a bank located in a shopping mall.

**CVS Pharmacy
Various, New York.**

HVAC, Plumbing and Electrical Design for new CVS franchise locations.

**Fairway Bakery
New York, New York.**

Provided fire sprinkler design and hydraulic calculations for a bakery and a nearby warehouse.

**Fairway Supermarkets
Manhattan, New York.**

Provided fire sprinkler design and hydraulic calculations.

**Famous Footwear
Clifton Park, New York.**

Provided mechanical, electrical and plumbing design for a retail shoe store.

**Pioneer Savings Bank,
Troy, New York.**

Provided HVAC design for the president's office and the corporate board room for an existing bank main headquarters.

**Walgreen's
Various, New York.**

HVAC, Plumbing and Electrical Design for new Walgreen's pharmacy franchise locations.



SCHOOLS

Graham Elementary School,



Mount Vernon, New York.

Provided design for new 1200 amp electrical service, electrical distribution upgrades to all classrooms, complete new fire alarm system, plumbing renovations, design for a new kitchen and ventilation upgrades for various areas.

Hamilton Elementary School, Mount Vernon, New York.

Provided design for new 1200 amp electrical services, electrical distribution upgrades to all classrooms, complete new fire alarm system, plumbing renovations, design for a new kitchen and ventilation upgrades for various areas.

New York City PS No. 33 Queens, New York.

Smoke purge system design for a new three story modular school addition, and electrical design for a new 208-volt, 3 ϕ , 2,400 amp service for the entire school.

New York City Public School No. 114, Brooklyn, New York.

HVAC, plumbing, fire protection and electrical design for a 24,800 sq. ft. 4-story school addition. Work included a new 180 kW emergency generator, a new 208-volt, 4,000 amp electric service and new sound, fire alarm and intrusion alarm systems. serving the new and existing areas.

New York City Intermediate School No. 119,



Queens, New York.

HVAC, plumbing, fire protection and electrical design for a 21,600 sq. ft. 3-story school addition. Work included gas and HVAC services for lab areas, a new natural gas service, and HVAC renovations to the existing school kitchen. A new 208-volt, 2,000 amp electric service, a new sound system and a new fire alarm system was provided for the existing school and new addition.



SCHOOLS (CONT)

Newark Public Schools, Newark, New Jersey.

Provided gas piping design for modular classroom units for three schools located within the City of Newark.

Rutland Educational Center, Rutland, Vermont.

Expert witness forensic engineering for heating system and electrical problems for Rutland public schools.

Thornton Elementary School,



Mount Vernon, New York.

Provided design for new 2400 amp electrical services, electrical distribution upgrades to all classrooms, complete new fire alarm system, plumbing renovations, design for a new kitchen and ventilation upgrades for various areas.

Wildwood School, Guilderland, New York.

Provided mechanical and electrical design for the additions and alterations of a special education school.

Williams Elementary School, Mount Vernon, New York.

Provided design for electrical distribution upgrades to classrooms, complete new fire alarm system, plumbing renovations, design for a new kitchen and ventilation upgrades for various areas.

Camp Loyaltown Infirmary, Greene County, New York.

Electrical and fire protection design for a new two story camp building used for staff activities and for the infirmary. The electrical service was supplied from the camp owned medium voltage distribution system. The dry-pipe fire sprinkler system was designed from a pneumatic pressure tank.

Daycare for lease to the Internal Revenue Service, Long Island, New York.

Mechanical, Electrical, Plumbing and fire protection design for a new 6,500 sq. ft. daycare center. The project was designed according to GSA specifications and included complex space geometries to stimulate the child atmosphere.



SHOWROOMS

Audi Classic Automobiles, Mount Vernon, New York.

Designed HVAC, electrical and plumbing systems for the rehab of an existing 30,000 sq. ft. building for the new location of a service garage and showroom.

Keeler BMW/Land Rover



Showroom, Colonie, New York.

Designed HVAC and plumbing systems for a 13,000 sf showroom addition.

Keeler Jaguar Showroom, Colonie, New York.

Designed electrical systems for a 5,000 sf service addition.

Lia Toyota, Albany, New York.

Provided M/E/P design for a new dealership with showroom and a large service center.

New Country Lincoln Ford Mercury, Saratoga Springs, New York.

Provided mechanical, electrical and plumbing design for a new 7,000 sq. ft. service addition.

New Country Ferrari/Maserati



Show Room Addition, Spring Valley, NY.

Provided mechanical, electrical, plumbing and fire protection design for a Maserati showroom addition to a Ferrari dealership.

New Country Ferrari/Maserati, Spring Valley, New York.

Provided mechanical, electrical and plumbing design for a new show room and service building.

New Country Mercedes Dealership Hartford, CT.

Provided mechanical, electrical, plumbing and fire protection design services for a new Mercedes-Benz dealership.

New Country Service Additions Various Locations

Provided mechanical, electrical and plumbing design for six service area additions located in Saratoga, Latham and Clifton Park.



UNIVERSITIES

Siena College - Admin Building, Albany, New York.

Project was LEED Silver. Complete gut renovation of former NYS Police Troop G Headquarters for the administrative offices for the college. Provided mechanical, electrical, plumbing & fire sprinkler design.

The College of Saint Rose - Dining Hall Renovations, Albany, New York.

Renovation of the food service area of the existing dining hall.. Provided mechanical, electrical, plumbing & fire sprinkler design.

SUNY Albany – Lecture Hall Albany, New York.

Electrical, plumbing and HVAC design for the renovation of existing spaces for the IT support center.

Suffolk County Community College – Modular Classroom Building Eastern Campus, Riverhead, New York.

Mechanical design for Design/Build new construction of a modular classroom building. Design included extension of campus wide high temperature hot water system.

SUNY Cobleskill – Meat and Fisheries Processing Lab, Cobleskill, New York.

Electrical, plumbing and HVAC design for the renovation of an existing chicken kill training facility at the college of agriculture.

SUNY Oneonta - Hulbert Hall, Oneonta, New York.

Electrical, plumbing and HVAC design for the renovation of an existing cafeteria located in Hulbert Hall.

SUNY Oneonta – Music Recording Studio



Studio, Oneonta, New York.

Electrical and HVAC design for the renovation of an existing Instrument Instruction Room to a state of the art Instructional Music Recording Studio with "tunable" studio walls, a control booth and an observation booth located in the Fine Arts Building.



LIABILITY INSURANCE

Sigma Psi Consulting is insured by the CNA Insurance Company for professional design liability and general commercial liability.

The Architect’s and Engineer’s Professional Liability Insurance Policy is effective for negligent acts, errors or omissions in the performance of professional services rendered by Sigma Psi Consulting anywhere in the world as follows:

<u>Professional Liability</u>	<u>Limits of Insurance</u>
Each Occurrence	\$2,000,000
Total Aggregate Claims	\$2,000,000

Sigma Psi Consulting is not insured for professional services related to pollution claims (under certain conditions) or asbestos services. However, Sigma Psi Consulting will recommend reputable companies who are certified for this work should it arise during a project.

General commercial liability insurance coverage is summarized as follows:

<u>Business Liability</u>	<u>Limits of Insurance</u>
Liability and Medical Expenses	\$1,000,000
Medical Expenses (per person)	\$10,000
Fire Legal Liability (Any One Fire or Explosion)	\$100,000
Products/Completed Operations Aggregate	\$2,000,000
General Aggregate (Other Than Products/Completed Operations)	\$2,000,000
Hired and Non-Owned Auto Liability (Each Occurrence)	\$1,000,000

<u>Property And Miscellaneous Coverage</u>	<u>Limits of Insurance</u>
Property In Transit	\$15,000
Employee Dishonesty	\$10,000

On request, Sigma Psi Consulting can provide a Certificate of Insurance listing the project client as a Certificate Holder.

SIGMA PSI CONSULTING PERSONNEL

Sigma Psi Consulting has various relationships and personnel to complete nearly any project requiring mechanical, electrical, plumbing, fire protection, design/build and indoor air quality services.

Primarily, a project contracted with Sigma Psi Consulting could utilize the following staff:

Paul Martin, PE - Principal

Stephen Dean, PE – Senior Electrical Engineer

Stephen Howe, PE – Plumbing & Fire Protection Engineer

Lawrence Czajkowski, RA - Project Coordinator

Resumes are included for the above personnel.

CERTIFICATIONS

Sigma Psi Consulting believes in continuous development of its personnel. We encourage employees to seek national certifications in various engineering specialties.

The following certifications have been obtained by Sigma Psi Consulting personnel:

- CPD – Certified in Plumbing Design. This certification is administered by the American Society of Plumbing Engineers and requires certification of engineering experience, passing of a 4-hour exam and continuing Education. This certification indicates a proficiency in general plumbing design.
- CIAQP – Certified Indoor Air Quality Professional. This certification is administered by the Association of Energy Engineers and requires submission of college transcripts, certification of Indoor Air Quality experience, passing of a 4-hour exam and ongoing continuing education in the field of Indoor Air Quality. This certification indicates a proficiency in the evaluation of indoor air quality problems.
- CEM/CEA - Certified Energy Manager and Certified Energy Auditor. This certification is administered by the Association of Energy Engineers and requires submission of college transcripts, certification of experience with energy auditing, economic analysis and other related energy engineering experience. Passing of a 4-hour exam is ultimately required. This certification indicates a proficiency in the evaluation of energy related design, energy billing evaluation, energy conservation and "Green Building" design.
- CBCP - Certified Building Commissioning Professional. This certification is administered by the Association of Energy Engineers and requires submission of college transcripts, certification of experience with building commissioning, strong experience with building Energy Systems and other related energy engineering experience. Passing of a 4-hour exam is ultimately required. This certification indicates a proficiency in building Commissioning and is recognized by the US Green Building Council as qualifying an individual as a commissioning agent for LEED projects.
- HFDP – Healthcare Facility Design Professional. This certification is administered ASHRAE and requires submission of professional experience in Healthcare Design, passing of a 4-hour exam and ongoing continuing education in the field of Healthcare design.



- LC – Lighting Certified. This certification is administered by National Council on Qualifications for the Lighting Professions (NCQLP) and requires certification of lighting design experience, passing a 4-hour exam and ongoing continuing education. This certification indicates proficiency in design of lighting systems in accordance with the NCQLP and the Illuminating Engineering Society of North America and is often a requirement for GSA projects.
- LEED AP. This certification is for Leadership in Energy and Environmental Design and an accredited professional is certified to have an advanced depth of knowledge in green building practices. A two hour national exam and prior experience is required to obtain this certification.
- BEMP. This certification is for certification as a Building energy modeling Professional by ASHRAE and shows depth of knowledge in modeling energy usage in green building practices.
- ICC Certified Electrical Inspector and Electrical Plans Examiner. The International Code Council (ICC) is responsible for writing the building codes for most of the country and many parts of the world. They offer certification programs used by many states to qualify inspectors. The Electrical Inspector and Electrical Plans examiner certifications are actual three separate certifications to qualify a person to Inspect electrical installations for commercial and residential buildings and to review electrical plans submitted for permit.



***PAUL J. MARTIN, P.E., LEED AP, CIAQP,
CPD, CFPS, LC, CEM, CEA, CBCP, BEMP***

Principal Engineer

Professional Experience

Mr. Martin formed Sigma Psi Consulting in September 1997. He has over 26 years of HVAC, process ventilation, plumbing, fire protection and mechanical/electrical design, experience with multiple consulting firms including such firms as Einhorn, Yaffee, Prescott; Clough, Harbour & Associates, C.T Male and other Albany, NY area firms.

As the principal engineer of the Award Winning Firm, Mr. Martin is ultimately responsible for all work produced by the company. Mr. Martin is involved with design activities and site inspections for all mechanical, electrical, plumbing, fire protection and indoor air quality projects. Mr. Martin has been with Sigma Psi Consulting Engineers since its inception. In addition to being a Licensed Professional Engineer, Mr. Martin is a Certified Energy Manager and Certified Energy Auditor.

Professional Background

- A.A.S., Air Conditioning Engineering, Hudson Valley Community College.
- Union College – several years of Engineering night school before obtaining Engineering License.
- Registered Professional Engineer in the States of New York, Massachusetts, Connecticut, Oklahoma, Pennsylvania, West Virginia and Vermont.
- Certified Indoor Air Quality Professional (CIAQP) by the (AEE)
- Certified in Plumbing Design (CPD) by the ASPE.
- Certified Energy Auditor (CEA) by the Association of Energy Engineers (AEE).
- Certified Lighting Professional (LC) from the NCQLP.
- Certified Energy Manager (CEM) by the Association of Energy Engineers (AEE)
- Certified Building Commissioning Professional (CBCP) by the AEE.
- ASHRAE Certified Building Energy Modeling Professional
- Certified Electrical Inspector and Electrical Plan reviewer by the ICC.
- HFDP – ASHRAE Certified Healthcare Facility Design Professional
- CFPS – Certified Fire Protection Specialist by NFPA

Publications

- Bagdon, M.J.; Martin, P.J., “Energy Management System Optimization for On-Site Facility Staff - A Case History of the New York State Office of Mental Health” World Energy Engineering Conference Papers, November 1996.
- Martin, Paul J., "CFD in the Real World" ASHRAE Journal, January 1999, Vol. 41, No. 1.

Awards

- ASHRAE Technology Award 2003-2004, Region 1, 1st Place, existing Buildings

STEPHEN T. DEAN, PE
Electrical Engineer

Professional Experience

Mr. Dean is a Power Systems Engineer with 18 years of experience in a wide range of electric power systems analysis and applications including design of electric services and electric distribution networks. He possesses solid knowledge and diverse experience in power systems applications, design, and operation, a working knowledge of AutoCAD and various load flow programs. Mr. Dean has significant experience with commercial/industrial electric service design, applications, and national standards.

Professional Background

- M.B.A, General Management, Union College, Schenectady, New York
- B.S., Electric Power Engineering, Rensselaer Polytechnic Institute, Troy, New York
- New York State Licensed Professional Engineer
- Trainer – OSHA Mandated Quarterly Safety Training
- Member – AIEI – Association of International Electrical Inspectors



STEPHEN E. HOWE, PE, CPD
Plumbing & Fire Protection Engineer

Professional Experience

Mr. Howe joined Sigma Psi Consulting in 2003. He is a senior plumbing and fire protection registered professional engineer with 30 years experience. Major strengths include team design in industrial, schools, prisons, apartments, arenas, hospitals and nursing homes. Mr. Howe is also skilled in estimating, code reviews, fieldwork, AutoCAD and Microstation.

Professional Background

- B.Sc., Civil Engineering, Northeastern University, Boston, Massachusetts.
- Professional Engineer – New York, Massachusetts, South Carolina, Georgia, North Carolina
- New York State Certified Grade 1B Water Treatment Operator
- Member – American Society of Plumbing Engineers
- Member – Board of Directors – Living Waters for Central America



Sigma Psi Consulting
Mechanical/Electrical/Plumbing Engineers, PLLC

CERTIFICATES & LICENSES

The University of the State of New York
Education Department
Office of the Professions

REGISTRATION CERTIFICATE

Do not accept a copy of this certificate

License Number: 069440-1

Certificate Number: 9585752

MARTIN PAUL JAMES
4 COLLAMER RD
MALTA

NY 12020-0000



is registered to practice in New York State through 04/30/2020 as a(n)
PROFESSIONAL ENGINEER

LICENSEE/REGISTRANT

Gene S. G... .
EXECUTIVE SECRETARY

Maryellen Elin
COMMISSIONER OF EDUCATION

D. De E. Hill
DEPUTY COMMISSIONER
FOR THE PROFESSIONS

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**THE UNIVERSITY OF THE STATE OF NEW YORK
EDUCATION DEPARTMENT**

THIS IS TO CERTIFY THAT HAVING MET THE REQUIREMENTS OF SECTION 7210 OF THE
EDUCATION LAW AND IN ACCORDANCE THEREWITH THIS CERTIFICATE OF AUTHORIZATION
IS GRANTED WHICH ENTITLES

SIGMA PSI CONSULTING MECHANICAL ELECTRICAL AND
PLUMBING ENGINEER PLLC
PAUL J MARTIN
4 COLLAMER ROAD
MALTA, NY 12020-0000

TO PROVIDE PROFESSIONAL ENGINEERING SERVICES IN THE STATE OF NEW YORK FOR
THE PERIOD 02/01/2019 TO 01/31/2022.



Maryellen Elia
MARYELLEN ELIA
COMMISSIONER OF EDUCATION

CERTIFICATE NUMBER
0016245

CERTIFIED
BUILDING
COMMISSIONING
FIRM

The Association of Energy Engineers

CERTIFIES THAT

Sigma Psi Consulting

has completed the prescribed standards for certification, has demonstrated a high level of competence and ethical fitness for the practice of building commissioning and is hereby granted the title of

CERTIFIED BUILDING COMMISSIONING FIRM

Paul M. Bawls

CBCF Board Chairman

Francine Deskin

CBCF Director

December 31, 2020

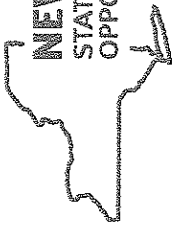
Certification Expiration Date

24



AWARDED BY:
CEE
The Association of Energy Engineers





**Office of
General Services**

**Division of Service-Disabled
Veterans' Business Development**

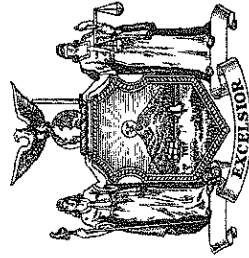
Sigma Psi Consulting Mechanical, Electrical, Plumbing Engineers, PLLC

Is hereby certified as a
New York State Service-Disabled Veteran-Owned
Small Business (SDVOB)
December 1, 2014

141013

Control Number

Director
Division of Service-Disabled Veterans'
Business Development



Andrew M. Cuomo
Governor

November 30, 2019

Expiration Date

Commissioner
New York State
Office of General Services