

Credentials

Professional Engineer

Massachusetts License #33470-HV

Education

Master of Arts in Personnel Management

George Washington University, 1963

Bachelor of Science in Engineering

United States Naval Academy, 1952

Continuing Education

Marine Engineering programs through Naval Boiler and Turbine Laboratories.

Energy Conservation and Management programs through American Society of Heating, Refrigeration and Air Conditioning Engineers and Association of Energy Engineers.

Professional Service Positions

Construction Contract Litigation Support for City of Belmont, Massachusetts

Technical Recruitment Consultant for Applied Resources, Inc.

Public Service Positions

Technical Advisor to Public Works Committee - City of Newton, Massachusetts

Professional Associations

Association of Energy Engineers (AEE)

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

National Fire Protection Association (NFPA)

American Correctional Association (ACA)

Teaching Experience

Instructor in Seamanship and Navigation at U.S. Naval Academy . Courses included Spherical Trigonometry, Nautical Astronomy and Celestial Navigation, Piloting and Coastal Navigation, General Operations and Tactics.

Supervisor of training team responsible for developing training program for petrochemical plant boiler operators.



Areas of Concentration

Mechanical Engineering	Construction Management
Marine Engineering	Life Safety Codes
Project Management	Construction Site Safety
Building Codes & Standards	Marine Safety
Training	Maintenance Procedures
Heating, Ventilating & Air Conditioning	Project Inspection
Document Analysis & Review	Regulatory Agencies
Thermodynamics	Shipbuilding & Repair
Product Defects	Wastewater Management
NFPA Codes & Standards	Air Pollution
OSHA	Construction Claims & Disputes
Americans with Disabilities Act	Construction Contract Administration
BOCA Codes	Energy Conservation
Industrial Plant Engineering	Environmental Compliance

Specific Experience & Interest

Boilers	Boiler Operation
Pressure Vessels	Power Plant Construction
Correctional Facilities	Power Plant Operation
Restaurants	Manufacturing Facilities
Ships	Petroleum Storage
Prisons	Ship Components & Systems
Shipyards	Ladders, Scaffolds & Cranes
Steam Turbines	Fall Protection
Steel Manufacturing	Smoke Detection Systems
Facility Audits	Storage Tanks
Ductwork	Ventilation Systems
Steam heating Systems	Industrial Facilities
Pharmaceutical Facilities	Institutional Buildings
Alternate Fuels	Refrigeration
Prefabricated Modular Construction	Plumbing
Boat Accidents	Air Conditioning Systems & Equipment
Cargo Handling	Thermal Insulation
Petroleum Handling Equipment	Oil & Gas Spills
Marine Fueling Procedures	

Professional Experience**Institute for Products, Engineering & Construction****1999 to Present**

Consulting and forensic engineering services for attorneys and insurance companies. Services involve the disciplines of mechanical, marine and industrial plant engineering as well as construction and project management. Projects address the design, installation and maintenance of heating, ventilating and air conditioning systems and equipment; marine procedures and safety; and construction site and workplace safety.

Massachusetts Department of Corrections**1988 to Present**

Director of Engineering and Construction Services. Direction of architectural and engineering staff with overall responsibility for all construction, repair, maintenance projects and regulatory compliance for 21 state and 13 county correctional facilities. Serve as consultant and technical advisor for agency facilities.

Ganteaume & McMullin**1987 - 1988**

Senior Mechanical Engineer. Investigation, design and construction management of Heating, Ventilation and Air Conditioning projects. Responsibility for compliance with applicable codes and standards as well as interaction with regulatory agencies.. Observation and documentation of construction for compliance with contract documents.

Howard Johnson Corporation**1984 - 1987**

Construction Manager. Responsible for hotel, lodge and restaurant new construction, conversions and repairs. Conducted bid solicitation process as well as selection and supervision of contractors.

Stone & Webster Engineering Corp.**1980 - 1984**

Project Manager and Engineer for Plant Management Services Group. Responsible for maintenance management, energy conservation, training and engineering projects in the Middle East, Latin America, Africa and throughout the United States. Primary emphasis of services was on boiler, petrochemical and HVAC installations.

Ayerst Laboratories**1978 - 1980**

Plant Engineer. Direct maintenance and plant engineering activities for pharmaceutical complex in a multi-facility environment. Supervision of over one hundred professional and technical personnel in support of laboratory research, high speed packaging and other manufacturing processes.

Shipyard Consultant**1975 - 1978**

Responsible for Marine Engineering and supervision of electronic, electrical and diesel specialists at Iranian Government shipyards. Serve as senior advisor to Imperial Iranian navy Director of Engineering for Shipbuilding and Repair. Develop computerized systems for planning, estimating, scheduling and performance monitoring.

Container Manufacturing Corporation**1973 - 1975**

General Manager and Plant Manager for a steel construction and fabrication plant involved in producing marine shipping containers. Supervision of 125 employees in day-to-day operations.

Responsible for Quality Control, business development, marketing and profit and loss.

Building Sciences, Inc.

1972 - 1973

Construction Manager and Owner's Representative for the construction of a high rise, reinforced concrete resort hotel complex, the Virginia Beach Sheraton.

United States Navy

1948 - 1972

Commander. Serve in progressive duties in ship departments including Chief Engineer of Destroyer and Transport ships. Captain of Tanker, Amphibious Transport and Minesweeper. Serve on U.S. Navy staffs to NATO and other international agencies. Command Naval Group at Venezuelan government shipyards, serving as Senior advisor to Venezuelan Director of Shipbuilding and Repair, with responsibility for Marine Engineering and supervision of electronic, electrical and diesel specialists. Instructor at United States Naval Academy in Seamanship and Navigation courses, including organization and training of teaching squadron..