

DANIEL S. DADERIAN, P.E.

Daniel Daderian is a practicing Mechanical Engineer. He has designed mechanical systems for a variety of commercial and residential buildings. His experience includes the design of special mechanical and plumbing systems required by computer facilities, medical laboratories and historical structures. Mr. Daderian has extensive knowledge in all aspects of mechanical and plumbing engineering, energy efficient design, thermal energy storage and building code compliance.

EDUCATION

- M.S. in Engineering, California Polytechnic University, Pomona, CA, 1993
- B.S. in Mechanical Engineering, California State University, Los Angeles, CA 1988

REGISTRATION / LICENSES

- Professional Mechanical Engineer, California (M-28246)
- Professional Mechanical Engineer, Nevada (15375)
- LEED AP BD+C (Leadership in Energy and Environmental Design, Accredited Professional, Building Design and Construction) (10718793)
- NFPA Certified Fire Protection Specialist (2889)
- ICC Certified Mechanical Inspector (75926)
- IAPMO Certified Plumbing Inspector (096899)
- EPA Air Conditioning and Refrigeration Certified Technician Type I, Type II, Type III
- ESCO Technical Excellence Certified in Air Conditioning
- MTAAs Certified Boiler Operator Trainee

PROFESSIONAL MEMBERSHIPS

- American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)
- American Society of Plumbing Engineers (ASPE)
- International Code Council (ICC)
- International Association of Plumbing and Mechanical Officials (IAPMO)
- National Fire Protection Association (NFPA)

EXPERIENCE

President, Daderian Consulting, Inc., Dana Point, CA., 1996-Present

Design of mechanical and plumbing systems for international and domestic projects. Forensic work in mechanical and plumbing trades. Perform site investigations with respect to construction defects. Provide analysis of building code compliance and construction standards. Provide expert witness services.

Consultant, Pacific Construction Management, Inc. Long Beach, CA., 1994-1996

Forensic work in mechanical and plumbing trades. Perform site investigations with respect to construction defects. Provide analysis of building code compliance and construction standards. Provide expert witness services.

Supervisor/Project Engineer, S.M. Daderian & Associates, Inc. Pasadena, CA., 1989-1994

Designer of mechanical and plumbing systems for a wide variety of projects. Supervised other engineers and draftspersons in the implementation of the design and worked with local jurisdictions to obtain permits for construction.

Engineer/Designer, S.M. Daderian & Associates, Inc. Pasadena, CA., 1986-1989

Designed systems for mechanical and plumbing trades, working extensively with computer aided design and drafting. Provided heating and cooling load calculations to size HVAC systems for comfort and provided calculations for energy conservation requirements.

Draftsman, S.M. Daderian & Associates, Inc. Pasadena, CA., 1982-1986

Provided drafting services for architectural, HVAC and plumbing trades.

OTHER ACHIEVEMENTS

- Private Pilot's License (Airplane Multi-Engine Land; Instrument Rated)
- PADI Certified Open Water Diver
- Computer Programmer Certificate, California State University, Los Angeles, CA, 1984

AREAS OF EXPERTISE

- Thermal energy storage
- Energy conservation analysis and compliance with Title 24 standards
- Computer aided design and drafting
- Cost estimating for mechanical and plumbing systems
- Forensic analysis
- Design of HVAC, plumbing and piping systems in commercial, industrial and residential applications

SELECTED DESIGN PROJECTS

Great Western Bank. Computer Facility. Northridge, CA. Client: Great Western Bank.

Prepared a thermal energy study for the DWP for a \$273,000 energy rebate. Co-designed 7500 ton-hour ice-plant. Co-engineered removal of three absorption chillers, replacement with ice-plant with new chillers and cooling towers. Co-engineered support system for new un-interruptible power source (UPS). Entire plant conversion took place with plant continuously running.

Frederick's of Hollywood. National Account. Client: Point 1 Design.

Designed mechanical and plumbing systems for more than 200 retail outlets throughout the United States. Researched and complied with requirements of local/state jurisdictions.

USC Arteriosclerosis Lab. Los Angeles, CA. Client: University of Southern California.

Designed complete mechanical system for medical laboratory including chemical and radioactive fume hoods

Coast Federal Bank. Century City, CA. Client: The Albert Group.

Engineered mechanical and plumbing systems for new branch bank.

Temple of Israel. Hollywood, CA. Client: Temple of Israel.

Designed mechanical and plumbing systems for classrooms.

Mandarin Baptist Church. Alhambra, CA. Client: Mandarin Baptist Church.

Designed mechanical systems for an existing church, large banquet area and several classrooms.

Hillside Residence. South Pasadena, CA. Client: Fabio Garcia, A.I.A.

Designed mechanical and plumbing systems for the restoration of a historic 1930s residence.

Lanternman Estate. Glendale, CA. Client: Spencer-Aroyan Architects.

Designed mechanical and plumbing systems for the restoration of a historic residence owned by the State of California.

The Towers at Wilshire. Los Angeles, CA. Client: Charles Dunn Realtors.

Designed mechanical and plumbing systems for individual tenant suites and entire floors in high-rise office building.

Antelope Valley College. Antelope Valley, CA. Client: Spencer/Hoskins Architects.

Designed mechanical and plumbing systems for the re-model of the library/computer building.