



STATEMENT OF QUALIFICATION

FIRM PROFILE:

SERVICES:

Mechanical:

Mechanical System Design Providing Heating/Cooling & Ventilation Humidification Control Exhaust System. (LEED)

Electrical:

Electrical Service Upgrades Emergency Power System Power Distribution/Lighting Energy Management. (LEED)

Plumbing:

Plumbing System Design Water heating/Filtration System Hot/Cold Water/Waste/Vent/Gas/Drain Piping Sewage Ejector Sump Pump. (LEED)

Title-24:

Envelope/Performance Energy Modeling with CF1R forms and Energy-Pro software and providing Energy Pro compliance forms.

BACKGROUND:

Arakelian engineering consist of professional Mechanical Electrical and Plumbing engineers With technical expertise of designing any type of applications such as **Costume Residential**, Tennant Improvement, Restaurants, Heavy Duty Kitchen, Supermarkets, High-end shopping centers, High Rise Multifamily residential/Commercial & light industrial info-structure and Facilities. Arakelian Engineering engineers work closely with the Architect, the Owner, Developer/Investor, Contractor, City and Governmental agencies, Entertainment industry, Realtor, Homeowner, and City's building department to prepare a design that's incorporated in to the Architectural design (Specially with high-end interior and exterior designs), code-compliant, and sustainable with big impact on the global environment. We strive to make sure that our work reflects high standards in your community. In addition, we will ensure that our design complies with state energy code Title 24 requirement and CAL Green initiatives. We deliver our services based on client requirements to approach design and construction process. Along with Design Assist, Design Build, and Design Bid Build. Arakelian Engineering Groupe also provide Construction Administration services during the construction phase of your project. We provide quick responses to make sure that your construction stays on track with no delays and unnecessary expenses.

Our group have ability to design with CAD, Revit and BIM-360 cloud-based Revit modeling in all trades (Mechanical, Electrical and Plumbing). We can also receive 3D architectural models in any format and provide a 3D Revit model so it can be coordinated with Structural and Architectural models.

What Sets us apart:



Providing complete support until the last day of construction and beyond.

Responding to questions/requests for help and information within the same day.

Prioritizing Architectural design for high-end custom buildings.

Avoiding additional charges for minor changes.

Engineering services and Documents Offered:

Construction Drawings

Specifications

Permitting and Occupancy Certification

Electrical Power Distribution System Design

Emergency and standby Power Distribution System

Uninterpretable power system

Energy Analysis and Load calculation

Energy Monitoring and Control System

NEC, CBC code evaluation studies

Building and facilities Code compliance evaluation and recommendations.

Arc Flash and Coordination studies.

Professional Witness services

Construction and Design Estimates

High Voltage Distribution

Interior/Exterior Lighting Design including fixture selection layout

Title 24 California Energy Code Compliance

Daylighting integration and evaluation

Lighting control system design for: a) Interior space (stores, offices, schools, medical facilities, restaurants, etc.) b) Exterior (building facades, parking lots, landscape, etc.)

Power Generation System Design

Project scheduling and scope of work development

Site Analysis and coordination

Site Utilities System Design and Coordination



Field Surveys and Studies (Energy, power, value)