



CAPITOL
CITY
DESIGN, INC

Electrical Engineering
Consultants

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STATEMENT OF QUALIFICATIONS

COUNTY/CITY RELATED EXPERIENCE

LIBRARY PROJECTS

- **Project:** Sunnyvale Library Optimization
Location: Sunnyvale, California

Significance: Electrical engineering and design of an existing 55,000 square foot library which included the remodel of the entire building. Design included lighting power, fire alarm, computer and telephone systems. Updated to new ADA compliance as required throughout the building.
- **Project:** Bell Coolidge Library
Location: Sacramento, California

Significance: Electrical engineering and design of a new 12,400 square foot library and staff offices. Design included power, lighting, fire alarm and computer systems.
- **Project:** Colonial Heights Library
Location: Sacramento, California

Significance: Electrical engineering and design of an existing 12,400 square foot library and staff offices. Design included power, lighting, fire alarm and computer systems.
- **Project:** Calaveras County Library
Location: San Andreas, California

Significance: Electrical engineering and design of a new 14,500 square foot library and staff offices. Design included power, lighting, fire alarm and computer systems.
- **Project:** Antelope Library
Location: North Highlands, California

Significance: Electrical schematic design of a new 12,000 square foot library, included design specifications and drawings for a design build project by the city. Design criteria included lighting, power, fire alarm, computer and telephone systems

- **Project:** **Arden Library**
Location: Sacramento, California

Significance: Electrical engineering and design for an existing building. Design for these comprising of Lighting plans, which included the selection of fixtures, and branch circuiting; a Power plan, which included power distribution, convenience outlets and power to mechanical equipment for remodeled areas; and a Signal plan, which included telephone raceway and outlets for remodeled areas. This was a unique project in that the main research area where book stacks were located the ceilings were very high. The lighting was lowered to stack height. Fixtures utilized were up/down light configuration, which both illuminated the task area stacks and illuminated the space for a very pleasing affect. Both functionally and ascetically. Lighting was suspended to incorporate the high ceiling and bring the light source down to book shelve level.

- **Project:** **Caruthers Library**
Location: Fresno, California

Significance: Electrical engineering and design for a new 12,400 square foot library building. Design for this project comprised of site and building Lighting plans, which included the selection of fixtures, and branch circuiting; a Power plan, which included power distribution, convenience outlets and power to mechanical equipment, a Signal plan, which included telephone raceway and outlets, computer raceway and outlets, and the design for a public address system; a Fire Alarm plan, which included the design for the monitoring of the fire sprinkler system and the design of the security system for the building.

- **Project:** **Davis Library**
Location: Davis, California

Significance: Electrical engineering and design for 30,000 square foot library, remodel existing 15,000 square foot building and new 15,000 square foot addition to the Library that included the remodel of the entire building. Design included lighting, power, fire alarm, computer and telephone systems. The lighting design for this project was very unique in that there were high vaulted ceilings over the entire stack areas. Different lighting schemes were used using both recessed and pendant mounted fixtures to enhance the space. Recessed fluorescent were utilized over low stack areas. New linear direct/indirect fixtures were used in vaulted areas. Additional recessed fluorescent fixtures were used to enhance light levels in remote reading areas. The lighting design utilized multiple fixture types to create a very functional & ascetically pleasing atmosphere within the whole library.

- **Project:** **Esparto Library**
Location: Esparto, California

Significance: Electrical engineering and design of a new 12,000 square foot library building. Design for this project comprised of site and building Lighting plans, which included the selection of fixtures, and branch circuiting; a Power plan, which included power distribution, convenience outlets and power to mechanical equipment, a Signal plan, which included telephone raceway and outlets, computer raceway and outlets, and the design for a public address system; a fire alarm plan, which included the design for the monitoring of the fire sprinkler system

- Project:** **Hillsdale Library**
Location: San Mateo, California

Significance: Electrical schematic design of a new 7,000 square foot Library, included design specifications and drawings for a design build project by the city. Design criteria included lighting, power, fire alarm, computer and telephone systems
- Project:** **Marina Library**
Location: San Mateo, California

Significance: Electrical schematic design of a new 6,500 square foot Library, included design specifications and drawings for a design build project by the city. Design criteria included lighting, power, fire alarm, computer and telephone systems

MERCED COUNTY PROJECTS

- * **Currently under contract with Merced County to provide Professional Consulting Services, upon the request of the Owner, for Electrical Engineering Services related to various projects. "Projects" are projects not exceeding \$75,000.00 per project with no maximum limit per year.**
- Project:** **Merced County Human Services Agency**
Location: Merced County, California. Buildings one (1), two (2), and three (3).

Significance: Electrical design and specifications for HVAC upgrades at this three building campus. Work for this project was performed in three phases and covered the replacement of approximately 20 mechanical units.
- Project:** **Merced County Area for the Aging Agency**
Location: Merced County, California

Significance: Electrical design and specifications for HVAC upgrades, covering replacement/addition of four mechanical units. Due to the increased electrical load, an upgraded 400 amp electrical service was designed.
- Project:** **Merced County Administration Building**
Location: Merced County, California.

Significance: Electrical design and specifications for a major energy savings project, including a new boiler, chiller, cooling tower, associated pumps, and addition of numerous variable frequency drives. Coordinate the re-use of existing motor control center equipment.
- Project:** **Merced County Veterans Memorial Building**
Location: Merced County, California.

Significance: Performed a site analysis report, and recommendations, for the existing electrical system. Electrical design and specifications for the consolidation of the four (4) existing electrical services into one (1) new, upgraded electrical service. Construction documents for future HVAC replacement were also provided.

- **Project:** **Merced County Gustine Library**
 Location: Merced County, California.

Significance: Electrical design and specifications for an upgraded electrical service to support the addition of larger HVAC units.
- **Project:** **Merced County Environment Health Building**
 Location: Merced County, California.

Significance: Electrical design and specifications for the replacement of five (5) HVAC units while utilizing the existing electrical service.
- **Project:** **Merced County Sandy Mush Jail**
 Location: Merced County, California.

Significance: Electrical design for the addition of an HVAC unit at the exercise room in 1999. In 2001, Electrical design for an expansion of the laundry room, including replacement and upgrade of a distribution transformer and electrical sub panel. Provide new branch circuit connections to multiple washers and dryers. All work included vandal proof and tamper proof provisions.
- **Project:** **Merced County Coroner's Facility**
 Location: Merced County, California.

Significance: Electrical design for the replacement of an HVAC unit and an exhaust fan.
- **Project:** **Merced County Department of Public Works Upgrade**
 Location: Merced County, California

Significance: Electrical design and Specifications for the three sites. The design included new fuel dispensing equipment, tank level, leak detection, and monitoring control panels of four existing underground fuel tanks and one new above ground fuel tank and dispensers.
- **Project:** **Merced County DA Office Addition**
 Location: Merced County, California

Significance: Electrical design and Specifications for office additions to existing office complex. Electrical system design included lighting, power distribution, and telephone/communication/data distribution.
- **Project:** **Merced County Mental Health Facility**
 Location: Merced County, California

Significance: Electrical design and Specifications for replacement of existing building HVAC System. Electrical system design included re-feeding new AC Units and miscellaneous small power distribution for utility outlets at equipment.

FIRE STATIONS

- **Project:** **West Sacramento Fire Station #45**
Location: West Sacramento, California

Significance: Electrical engineering and design for a 27,000 square foot fire station and offices. Design criteria included one line diagram, panel schedules, motor control centers and main switchboard elevation, design of emergency generator system, electrical system load calculations, and fire alarm system design.
- **Project:** **Lincoln Fire Station No. 1**
Location: Lincoln, California

Significance: Electrical engineering and design for a 10,500 square foot, 2-story fire station. Design included telephone raceway, outlets, and backboard. Lighting plan included selection of fixtures, fixture schedules and branch circuiting. Design also included fire alarm system design and emergency generator system.
- **Project:** **Lincoln Fire Station No. 2**
Location: Lincoln, California

Significance: Electrical engineering and design for a 12,000 square foot fire station including a 1,500 square foot community area. Design included electrical circuiting to kitchen equipment, and the design of the telephone raceway, outlets, and backboard. Lighting plan included selection of fixtures, fixture schedules and branch circuiting.
- **Project:** **Roseville Fire Department Training Tower**
Location: Roseville, California

Significance: Electrical engineering and design for a six story fire training facility, 8,100 square foot. Design included lighting, power, fire alarm and communication systems.
- **Project:** **Roseville Fire Station #5 Mahany Park**
Location: Roseville, California

Significance: Electrical engineering and design for a 4,800 square foot fire station. Design included lighting, power, electrical circuiting to kitchen, telephone system and fire alarm system.
- **Project:** **El Dorado Hills, Fire Station #85**
Location: El Dorado Hills, California

Significance: Electrical engineering and design for a 24,000 square foot building expansion and remodel including lighting, power, fire alarm and communication systems.

CORRECTIONAL FACILITIES

- **Project:** **Citrus Heights Police Facility Remodel & Expansion**
Location: Citrus Heights, California

Significance: Electrical engineering and design for a remodel/expansion of an existing police facility. Design included fire alarm system, revisions to site lighting, emergency power system for 911 call center, and the design of the 911 call center power up to and including power distribution units, UPS systems and emergency

generators.

- **Project:** **Yuba County Sheriff's Headquarters, County Courthouse Remodel**
Location: Marysville, California

Significance: Electrical engineering and design for a remodel of an existing 18,600 square foot sheriff's headquarters including 911 dispatch detective offices, interview rooms, and miscellaneous office. Design criteria included security system design for office areas, fire alarm system design, and computer raceway and outlets for remodel. Lighting plan included selection of fixtures, fixture schedules and branch circuiting in remodeled area.
- **Project:** **Sacramento County Probation Department**
Location: Sacramento, California

Significance: Electrical engineering and design for a 12,000 sq. ft. Tenant Improvement of the Probation office located in Downtown Sacramento at 7th & E. Design included lighting fixture selection, fixture schedules, and branch circuiting; power distribution, convenience outlets and power to mechanical equipment; telephone raceway, outlets and backboard; & Title 24 lighting compliance calculations.
- **Project:** **Shasta County Juvenile Hall / Probation**
Location: Redding, California

Significance: Design included Electrical plans associated with installing three (3) split system air conditioning units for energy efficient improvements. All hardware, devices, etc. were tamper and vandal proof.
- **Project:** **Rocklin Police Department**
Location: Rocklin, California

Significance: Electrical engineering and design for a 40,000 square foot correctional facility The Rocklin Police Department is a full service police facility including such amenities as a 75 foot shooting range, a 2,000 square foot fitness center, complete crime lab, community facilities, detention facility, common area, COPPS division, office of the chief, dispatch/ records room, and an investigations department. Design included providing power and lighting to the firing range per the owner's requirements. Relocated the radio room and added a radio tower. Provided additional data drops and floor outlets and made conduit, equipment and utility provisions for future connection of solar photovoltaic system.

VEHICLE MAINTENANCE FACILITIES

- **Project:** **Sheriff's South Area, Sub Station**
Location: Elk Grove, California

Significance: Complete electrical design of a new 26,000 square foot office and maintenance facility. Design included lighting, power, fire alarm and computer systems for the entire facility.
- **Project:** **Sheriff's North Area, Sub Station and Maintenance Facility**
Location: Sacramento, California

Significance: Remodel of existing 4,000 square foot facility. Design included lighting and power for additional office space and the addition of 125 KW emergency generator.

TRANSPORTATION RELATED PROJECTS

- **Project:** Sacramento Executive Airport, Office T.I.
Location: Sacramento, California

Significance: Electrical engineering and design for existing 4,500 sq ft office in existing airport terminal. Design included power, lighting and fire alarm.
- **Project:** Sacramento Metro Airport, Systic Receiving Station
Location: Sacramento, California

Significance: Electrical engineering and design for secondary electrical service to Muffin Monster.
- **Project:** Sacramento Rapid Transit, Administration Office Lighting
Location: Sacramento, California

Significance: Electrical engineering and design for existing 4,000 sq ft office. Design included power, lighting and circuiting.
- **Project:** Redding Street Lighting, Street Lighting Design
Location: Redding, California

Significance: Electrical engineering and design for the City of Redding, YUBA Street Streetscape. Design included lighting, power and fixture selection.