



American Consulting Engineers Electrical, Inc.

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American Consulting Engineers Electrical, Inc. (ACEE) has been in the Bay Area servicing our local communities for over 20 years. We are previously American Consulting Engineers Inc. a MEP firm that reorganized in 2002 to focus on electrical engineering and to strengthen client relations.

The reorganization has allowed us to better serve our customers by providing expertise in electrical design engineering and project management. ACEE's staff size is in the mid teens including three licensed electrical engineers and two additional engineers with E.I.T registration, we have three senior project level designers.

ACEE is focused on Commercial Office/Retail, Educational Facilities, High Technology Facilities and Medical Facilities engineering design. About 80% of our work is school facilities and 20% commercial buildings. Our electrical engineering services for the educational market ranges from Preschool/Daycare, K-12 Schools, Charter Schools and Higher Education Facilities. These services include Project Assessment, Planning, Estimating, Engineering, DSA Approval and Construction Administration. We have a lot of school experiences under our belts and understand the requirements and process of DSA.

Our specialties include the design of power systems, lighting systems and low voltage systems which include fire alarm systems, data/telephone/CATV distribution systems, PA/Clock systems for schools in Northern California and commercial office buildings in the Bay Area.

ACEE utilizes the most current technology tools equipped with AutoCAD 2012 MEP and has implemented AutoCAD 2010 Revit Software. With the recent technology upgrades, ACEE has engaged successfully coordinated with project teams to deliver high quality drawings. We have in house high-speed KIP 6000 & 7100 plotters equipped with a scanner that can produce drawing size copies and files to different format for storage. We also have an in-house IT who are familiar with design and construction that can respond and to client's request for ftp/Microsoft Sharepoint server uploads/downloads and construction management software management tools.



MEP
and
convert
group
support

Our team of specialized staff and designers covers a broad spectrum of electrical engineering services, including lighting design, power distribution, fire alarm and life safety. Our electrical services include:

Engineering and Design

- Architectural Lighting Design
- Computer Room Lighting
- Lighting Control Systems
- Lighting Energy Management Systems
- High Voltage and Line Voltage Power Systems
- UPS Systems
- Fire Detection and Alarm Systems
- Emergency Lighting
- Emergency Power Generation Systems
- Security System Design
- Network Data Systems Design
- Communications System Design



Los Lomitas School Library

Evaluations and Studies

- Energy Surveys and Load Analysis
- State mandated Title 24 Lighting Compliance Calculations
- Fault Calculations and System Coordination Studies
- Amusement Park Cabling
- Computer Cabling
- Electrical System Cost Analysis

Invertigo



Paramount Great America



Philips OM Offices
Sunnyvale, CA.

ACEE offers a level of lighting expertise not normally found among electrical engineering firms. ACEE lighting design services include:

- Architectural Lighting
- Computer Room/Trading Floor Lighting
- Retail and Restaurant Lighting
- Lighting Control Systems
- Lighting Energy Management Analysis
- Illumination Level Calculations
- Day lighting Design and Calculations
- State mandated Title 24 Lighting Compliance Calculations
- Analysis of lighting systems and retrofit designs for PG&E Energy Rebates

Most projects contain critical areas, which require sophisticated lighting to help make the difference between a good and an outstanding design. These areas include the key public spaces such as main entry lobbies, commons areas, building facades, auditoriums, dining facilities and atria where lighting makes a huge impact on the perception of a building. Another important area of focus is executive suites such as conference rooms or executive offices. There is often little scope for providing separate lighting design services on any but the most prestigious of projects. For these small, but critically important areas, ACEE provides lighting design services, which are integrated into our total electrical engineering package.

ACEE works with architects or building owners to develop a design consistent with the aesthetics and philosophy of the space. We then develop all necessary presentation materials, arrange mock-ups, provide lighting level calculations, and do final punch listing and fixture aiming to ensure a successful installation.

Here are a few examples of our completed school projects

River Oaks Elementary School, 1278 Pyreiness Ave, Stockton, CA
Completed 2002



Multi-Use Room & Lobby Area



Classroom Hallway engineered to meet PG&E
“savings by design” program



New charter school campus (K-8) for the ASPIRE Public Schools. ACEE designed a new electrical system with the most advanced systems encompassing the latest technologies available in the market with the least amount of cash invested.

**Castro Middle School, Mt. View Whisman School District
Completed 2001**



Complete classroom renovation encompassing HVAC upgrade, intercom/clock and fire alarm upgrade. Data/telephone was designed utilizing Voice-Over-IP system.

**Rolling Hills Middle School, Campbell Union School District
Completed 2003**



ACEE took part in the portable design development to produce a new family of portables instead of the standard box 24'x40' portable.

Here are a examples of our completed commercial projects



Koboto Restaurant- Lighting Design



**Drop Zone, Paramount Great America
Electrical design for ride power & controls
connections as well as tower and site lighting.
The tower lighting was required to comply with
FAA regulations.**



**Commercial Center – Tracy, CA
Provided electrical design for site lighting and utilities extension to new commercial spaces.**

EDUCATIONAL

The following list of school districts represents a combined total of over 1,500 school projects.

SANTA CLARA COUNTY SCHOOL DISTRICTS

Alum Rock Union School District, San Jose, CA
Berryessa Union School District, San Jose, CA
Cambrian School District, San Jose, CA.
Campbell Union School District, Campbell, CA
Campbell Union High School District, Campbell, CA
Evergreen Unified School District, San Jose, CA
Franklin-McKinley Unified School District, San Jose, CA
Jefferson Union School District, Santa Clara, CA
Moreland School District, San Jose, CA
Morgan Hill Unified School District, Morgan Hill, CA
Mount Pleasant School District, San Jose, CA
Mountain View-Whisman School District, Mountain View, CA
Los Gatos Union School District, Los Gatos, CA
Oak Grove School District, San Jose, CA
San Jose Unified School District, San Jose, CA
Santa Clara Unified School District, Santa Clara, CA
Saratoga Union School District, Saratoga, CA
Sunnyvale School District, Sunnyvale, CA
Union School District, San Jose, CA

SAN MATEO COUNTY SCHOOL DISTRICTS

Belmont School District, Belmont, CA
Burlingame School District, Burlingame, CA
Palo Alto School District, Palo Alto, CA
San Mateo / Foster City School District, San Mateo, CA
Woodside School District, Woodside, CA

ALAMEDA COUNTY SCHOOL DISTRICTS

Fremont Unified School District, Fremont, CA
Hayward Unified School District, Hayward, CA
New Haven Unified School District, Union City, CA
Newark Unified School District, Newark, CA
Oakland Unified School District, Oakland, CA

CONTRA COSTA COUNTY SCHOOL DISTRICTS

Mt Diablo School District, Concord, CA

SONOMA COUNTY SCHOOL DISTRICTS

Twin Hills Union School District, Sebastopol, CA

SAN BENITO COUNTY SCHOOL DISTRICTS

Gilroy Unified School District, Gilroy, CA
Hollister School District, Hollister, CA
Loma Prieta Joint Union School District, CA
Pajaro Unified School District, Watsonville, CA
Los Banos Unified School District, CA

COLLEGES

San Jose State University, San Jose, CA
University of California, Monterey Bay, CA
University of California, Santa Cruz, CA
West Valley / Mission Community College District, Saratoga, CA
Foothill / De Anza Community College District, Los Altos Hills, CA
Fremont-Newark Community College District, Fremont, CA
San Jose/Evergreen City College, San Jose, CA

CHARTER SCHOOLS

Riverside Elementary School, Stockton School District, Stockton CA
Morada Lane School, Lodi School District, Stockton, CA

COMMERCIAL FACILITIES

Communications

KICU TV36, Monument Peak Transmitter, Fremont, CA

AT&T/TCL, Scotts Valley, CA

Manufacturing

Cal Door, Inc. Salinas, CA

Metro, Oakland, CA

Salz Leathers, Inc., Santa Cruz, CA

William Wrigley Company, Inc., Santa Cruz, CA

Office Complex

Altera Building #3, San Jose, CA

Household Credit Services, Inc., Salinas, CA

Phillips OM, Sunnyvale, CA

IDT, Santa Clara, CA

Software Publishing Corporation, Santa Clara, CA

Xilinx, San Jose, CA

Restaurants

Fresh Choice Restaurant:

Dallas, TX

Monterey, CA

San Francisco, CA

Kubota Restaurant, San Jose, CA

Mariani Inn and Restaurant, Santa Clara, CA

Sizzler Restaurant:

San Francisco, CA

San Jose, CA

Commercial Mall Expansion

Valley Fair Mall Expansion, San Jose, CA

Retail Stores

KMart Store, Jackson, WY.

Pak & Save, San Jose, CA

Safeway Stores:

Ft. Bragg, CA

Monterey, CA

San Francisco, CA
San Rafael, CA
Santa Rosa, CA
San Jose, CA

Site/Shell Buildings

Carr America Valley Technology, San Jose, CA
Carr America Valley Research, San Jose, CA

Warehouses

Hartman/KFC Warehouse, Union City, CA
Lincoln Property Company, San Leandro, CA
Paragon Group, Redwood City, CA