



Planning & Building Agency
Permits & Plan Check Section
20 Civic Center Plaza
P.O. Box 1988 (M-19)
Santa Ana, CA 92702
(714) 647-5800
www.santa-ana.org

INFORMATION REQUIRED FOR ELECTRICAL PLAN CHECK SUBMITTAL

B-2: 01-04-11

- A. A Plan Review is required for **commercial** or **industrial** permit fees exceeding \$250.00 (that plancheck threshold does not include Low Voltage System or Issuance fees). **NOTE: All NEW STRUCTURES WILL REQUIRE PLAN CHECK** – including **residential** and **relocated** structures.
- B. Required evacuation fire alarm drawings will need an electrical plan review **after** Santa Ana Fire Department approval. Exterior lot and egress lighting permits need an Electrical plan review **after** Santa Ana Police Department (SAPD) approval. Parking structures also require SAPD plan check approval prior to Electrical review.
- C. Submit a completed permit application and the appropriate plan check fee. The plan check fee is 65% of the total permit fee (without including any Low Voltage or Permit Issuance charges).
- D. **Minimum Size** drawing is 18 X 24 inches. Two sets of drawings with **applicable** items listed below:
1. Address of Installation (include suite number).
 - A. Note type of Tenant Activity (office, retail, manufacturing, medical, etc.).
 - B. Note any special conditions (unlisted equipment, hazardous or corrosive environments, etc.)
 2. **Single Line Diagram showing –**
 - C. Service. Provide the Southern California Edison Co. available fault current (AIC).
 - D. Sub-Panels and major loads. Show let-thru AIC when utility AIC exceeds 10,000 amps.
 - E. Breaker and Fuse sizes. Note size and types for each.
 - F. Conduit for Feeders. Note size and types for each.
 - G. Grounding conductors, electrodes and physical protection. Show for service and for separately-derived systems (transformers, generators). Note size, destination, and types.
 - H. Note new, relocated, or re-fed apparatus as **NEW**; show existing and unmodified as **EXISTING**.
 - I. Show service and subpanel load calculations.
 3. **Branch Circuit Diagram showing –**
 - A. Circuiting for lighting and general use receptacle outlets.
 - B. Conduit and wire for other circuits, equipment, motors, future apparatus, etc. Note conductor size & conduit or cable types.
 4. **Panel Schedules showing –**
 - A. Description and wattage of circuit loads. Identify all long-connected (LCL) loads.
 - B. Number of lights, receptacles, misc. on each circuit.
 - C. Total wattage and calculated load on the panel and feeders.
 - D. A form for a single-phase and a three-phase panel schedule is available at the permit counter.
 5. **Title 24 Energy Documentation** – include the LTG-1 and associated forms with all required signatures when appropriate. **A third party approving agent must also complete a signed addendum of approval.** These addendum forms are available at our permit counter.

Applicable Building Standards:

2010 California Electrical Code (CEC)	2010 California Building Code (CBC)
Santa Ana Municipal Code (SAMC)	2010 California Mechanical Code (CMC)
NFPA - referenced National Fire Codes	2010 California Fire Code (CFC)
California Energy Code (Title 24, Part 6)	2010 CALgreen Standards