



THE CITY OF SAN DIEGO

Development Services Department
Inspection Services Division
9601 Ridgehaven Court, Suite 220
San Diego, CA 92123 • (858) 492-5070
Call (858) 581-7111 for Inspection

Circuit Card
(Supplemental)

Page \_\_\_ of \_\_\_

THIS CARD MUST BE FILLED OUT AND AVAILABLE ON THE JOB SITE FOR THE ROUGH INSPECTION. THE USE OF THIS 'SUPPLEMENTAL' CIRCUIT CARD REQUIRES THE USE OF THE 'PRIMARY' CIRCUIT CARD AS PAGE 1.

PERMIT/APPROVAL NO. PLAN FILE/PROJECT NO.
JOB ADDRESS (Print Number, Street Name, Unit No.)

Table with 10 columns: CIRCUIT NO., Breaker Size: A, Wire Size: G, \*ROOMS, and sub-columns T, C, W, R, S. Repeated 10 times.

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I certify that the above information is accurate and complete and that all terminations are properly torqued.

Company Name (Print): \_\_\_\_\_

Electrician/Owner Name (Print): \_\_\_\_\_

Electrician/Owner Signature: \_\_\_\_\_

California Electrician Certification Number: \_\_\_\_\_

Date: \_\_\_\_\_



# SINGLE FAMILY DWELLING ELECTRICAL SERVICE LOAD CALCULATION

**OPTIONAL METHOD - 2001 CALIFORNIA ELECTRICAL CODE SECTION 220-30 (Based on 1999 NEC)**

*As an alternative method the STANDARD METHOD found in Article 220 of the National Electrical Code, may be used*

1. GENERAL LIGHTING LOADS

Dwelling \_\_\_\_\_ Sq. Ft. x 3 VA (220-30 (b) (2)) = \_\_\_\_\_ VA

Small appliance loads (220-30 (b) (1)) 1500 VA x \_\_\_\_\_ circuits = \_\_\_\_\_ VA

Laundry load (220-30 (b) (1)) 1500 VA x \_\_\_\_\_ circuits = \_\_\_\_\_ VA

**General Lighting Load Total:** \_\_\_\_\_ VA

2. COOKING EQUIPMENT LOADS (220-30 (b) (3) - Nameplate Value(s))

Cooktop(s) \_\_\_\_\_ VA

Oven(s) \_\_\_\_\_ VA

Range(s) \_\_\_\_\_ VA

**Cooking Equipment Load Total:** \_\_\_\_\_ VA

3. ELECTRIC DRYER (220-30 (b) (3), (Nameplate, 5000 VA minimum))

Dryer(s) \_\_\_\_\_ VA

**Dryer Load Total:** \_\_\_\_\_ VA

4. FIXED APPLIANCE LOADS (220-30 (b) (3))

Compactor \_\_\_\_\_ VA      Water Heater \_\_\_\_\_ VA

Dishwasher \_\_\_\_\_ VA      Built-in Vacuum \_\_\_\_\_ VA

Disposal \_\_\_\_\_ VA      Hydromassage Bathtub \_\_\_\_\_ VA

Microwave \_\_\_\_\_ VA      Other \_\_\_\_\_ VA

**Fixed Appliance Load Total** \_\_\_\_\_ VA

5. MOTOR LOAD(s) (220-30 (b) (4) - Nameplate Value(s)) \_\_\_\_\_ VA

6. **OPTIONAL LOAD SUBTOTAL (Add all of the above Load Totals)** \_\_\_\_\_ VA

7. APPLYING DEMAND FACTORS - (220-30(b))

First 10,000 VA (Optional Load Subtotal from line 6) x 100% = \_\_\_\_\_ **10,000** VA

Remaining optional load (subtotal from line 5-10,000 VA) = \_\_\_\_\_ VA x 40% = \_\_\_\_\_ VA

8. HEATING OR AC LOAD (220-30(c))

**Larger of the Heating or AC Load** = \_\_\_\_\_ VA

9. **OPTIONAL LOADS TOTAL (Total from lines 7 and 8)** = \_\_\_\_\_ VA

10. **COMPUTED LOAD** =  $\frac{\text{Optional Loads Total}}{240 \text{ Volts}}$  = \_\_\_\_\_ Amperes\*

11. **MINIMUM SERVICE SIZE REQUIRED:** \_\_\_\_\_ Amperes

\* (Please put total on front of 'Primary' Circuit Card under Computed Load)