



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.)

Grid of circuit information tables. Each table has columns for Breaker Size (A), Wire Size (G), and rooms (T, C, W, R, S). It is 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)