County of San Diego, Planning & Development Services
SAN DIEGO (COUNTY) AREA CIRCUIT CARD AND LOAD SUMMARY
BUILDING DIVISION

(2013 NEC) PLANNING & DEVELOPMENT SERVICES – BUILDING DIVISION
THIS CARD MUST BE FILLED OUT AND AVAILABLBE AT THE SERVICE EQUIPMENT FOR THE ROUGH INSPECTION

Address:		**Permit Number:**
Owner:	Phone:	PDS_____
Contractor:	Phone:	Area in Sq. Ft.

PANEL: _____ _____ A.I.C. _____ VOLTS _____ Ø _____ WIRE

LOCATION	CKT	BKR SIZE	WIRE SIZE	WIRE TYPE	MISC	LTG	REC	REC	LTG	MISC	WIRE SIZE	WIRE TYPE	BKR SIZE	CKT	LOCATION
	1													2	
	3													4	
	5													6	
	7													8	
	9													10	
	11													12	
	13													14	
	15													16	
	17													18	
	19													20	
	21													22	
	23													24	
	25													26	
	27													28	
	29													30	
	31													32	
	33													34	
	35													36	
	37													38	
	39													40	
	41													42	

MAIN: ☐ _____ AMP BRK/FUSE ☐ MLO
BUS: _____ AMP
Service entrance or feeder conductors:
   A) Size: No. _____   B) Type: ☐ CU ☐ AL
   C) Insulation: _____   D) Conduit Size: _____
Service Grounding Electrode Conductor/Bond: CEC 250
   A) Size GEC: No. _____ B) Type Wire: ☐ CU ☐ AL
   ☐ Concrete Encased (UFER) 250.52(3)
   ☐ Ground Rod(s) 250.52(5)
   ☐ _____
   D) Size Bond: No. _____ E) Type Wire: ☐ CU ☐
   ☐ Water Pipe 250.104(a)
   ☐ Gas Pipe 250.104(b)
   ☐ _____
GFCI locations 210.8, 680.21(c) 680.22-23 680.56(a)
   ☐ Bathroom(s)   ☐ Kitchen/Other Sinks
   ☐ Garage(s)   ☐ Pools/Hydromassage Tub
   ☐ Outdoors   ☐ _____

AFCI Protected Circ. 210.12
   ☐ Bed, Family, Dining, Living, Halls, and Similar Rooms.
Branch circuits required:
   A) Lighting Circuits   220.12 220.14(j)
   B) Two Small Appliance Circuits   210.11(c)(1)
   C) Laundry Circuit   220.11(c)(2)
   D) Central Heating Equipment   422.12
   E) Bathroom   210.52(d)
Remarks: _____
_____
_____
_____

I certify that all terminations have been torqued in accordance with manufacturer's instructions and that the work shown on this circuit card represents the full extent of the work performed under this permit.
☐ Owner _____
☐ Contractor_____
   Signed _____ Date _____

SINGLE FAMILY DWELLING
ELECTRICAL SERVICE LOAD CALCULATION

OPTIONAL METHOD NEC 220.80

*As an alternative method, the STANDARD METHOD
found in ARTICLE 220.10 of the National Electric Code, may be used*

1. GENERAL LIGHTING LOADS
Dwelling _____ sq. ft. x 3 VA = 220-3(a)   _____ VA
Small appliance loads – 220-16(a) 1500 VA x _____ circuits =   _____ VA
Laundry load – 220-16(b) 1500 VA x _____ circuits =   _____ VA
                                    General Lighting Total _____ **VA**

2. COOKING EQUIPMENT LOADS – Nameplate Value
Range _____ VA =   _____ VA
Cooktop _____ VA =   _____ VA
Oven (s) _____ VA =   _____ VA
                                    Cooking Equipment Total _____ **VA**

3. ELECTRIC DRYER 220.54 (Nameplate, 5000 VA minimum)
Dryer _____ VA =   **Dryer Total** _____ **VA**

4. FIXED APPLIANCE LOADS 230.30(b)(3)
Dishwasher =   _____ VA
Disposal =   _____ VA
Compactor =   _____ VA
Water Heater =   _____ VA
Hydromassage Bathtub =   _____ VA
Microwave Oven =   _____ VA
Built-in Vacuum =   _____ VA
_____ =   _____ VA
                                    Fixed Appliance Total _____ **VA**

5. OPTIONAL SUBTOTAL (Add all of the above totals)   _____ **VA**

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6. APPLYING DEMAND FACTORS 220.82(b)
            First 10,000 VA x 100% =   10,000 VA

Optional Subtotal (from line 5) **{** Remaining _____ VA x 40%=   _____ VA

7. HEATING OR AC LOAD – TABLE 220.82(c)
Larger of the Heating or AC Load =   _____ VA

8. OPTIONAL LOADS TOTAL (Add totals from lines 6 and 7) =   _____ VA

9. MINIMUM SERVICE SIZE = <u>Optional Loads Total</u> =   _____ Ampere
                              240 Volt

(Please put total on front of card under Computed Load)