



CITY OF CORONADO

DEPARTMENT OF COMMUNITY DEVELOPMENT
BUILDING DIVISION
1825 STRAND WAY, CORONADO, CA 92118
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HANDOUT

203

MARCH 2025

ELECTRICAL CIRCUITRY CERTIFICATION

PURPOSE: To ensure electrical circuitry installation is accomplished to current code standards.

AUTHORITY: City of Coronado Building Official

NOTES:

1. The City of Coronado Building Official has determined that completion of this Electrical Circuitry Certification is an integral component of the electrical inspection process.
2. The electrical subcontractor shall prepare this certification document, including the electrical load calculation, the circuitry sizing table, and the individual circuitry loading tables, for presentation to the building inspector prior to commencement of the rough electrical inspection.
3. All sections of this Certification must be legibly completed in ink.
4. Incomplete or illegible documentation of the electrical installation may result in a failed inspection.

DATA:

1. Permit: _____ Project Address: _____
2. Electrical Contractor: _____ CA License #: _____

CERTIFICATION:

I certify that the information on the calculations and tables below is accurate and complete. I also certify that the electrical installation on this project conforms to the current requirements of the California Electrical Code as well as industry standards.

Signature: _____ Printed name: _____ Date: _____
Phone#(____) _____ Fax #(____) _____ E-Mail _____

LOAD CALC:

Single Family Dwelling Electrical Service Load Calculation – Optional Method NEC 220.80 & .82

The Standard Method found in Article 220 of the NEC may be used

1. General Lighting Loads

Dwelling _____ sq. ft. x 3 VA = _____ VA
Sml appliance loads 1500 VA x _____ circuits = _____ VA
Laundry load _____ circuits = _____ VA
General Lighting Total _____ VA

Microwave _____ VA = _____ VA
All other fixed appliances _____ VA = _____ VA
Fixed Appliance Total = _____ VA

5. Subtotal Categories 1 - 4 = _____ VA

2. Cooking Equipment Loads (Nameplate value)

Range _____ VA = _____ VA
Cooktop _____ VA = _____ VA
Oven(s) _____ VA = _____ VA
Cooking Equipment Total _____ VA

6. Demand Factors

First 10,000 VA from Subtotal above @ 100% = 10,000 VA
Remaining VA from Subtotal above @40% = _____ VA

3. Electric Dryer Load (Nameplate value – 5000 VA minimum)

Dryer _____ VA **Dryer Total** = _____ VA

7. Heating or A/C Load

Larger of the heating or a/c load = _____ VA

4. Fixed Appliance Loads (Nameplate value)

Dishwasher _____ VA = _____ VA
Disposal _____ VA = _____ VA
Compactor _____ VA = _____ VA
Water Heater _____ VA = _____ VA

8. Load Total

Add Lines 6 and 7 = _____ VA

9. Minimum Service Size

Divide Load Total (Item #8) by 240 Volts = _____ Amps

MINIMUM RECOMMENDED SERVICE PANEL _____ AMPS

SIZING TABLE:									
	Nameplate Amps - kW	Wire Size		Breaker Size (Amps)		Nameplate Amps - kW	Wire Size		Breaker Size (Amps)
		AL	CU				AL	CU	
Service (Main)						Feeder #1 (Subpanel)			
Feeder #2 (Subpanel)						Compactor			
Cooktop						Dishwasher			
Disposal						Microwave			
Oven						Range			
Dryer						Laundry			
Water heater						A/C			
Heating						Other			
Other						Other			

Location of Cold Water Bond Clamp: _____ Location of Ground Clamp: _____

Use the circuit load spaces below for general lighting / small appliance / general outlet circuits only

EXAMPLE												INSTRUCTIONS													
Circuit No. 1						Circuit No. 2						1. Name of each room where devices are located. 2. List old and new devices on same circuit – marking old devises thus ①. 3. City of Coronado limits current consuming devices to a maximum of 15 per general use circuit and 4 per small appliance (20 amp) circuit. 4. All circuit breakers to be permanently labeled at all service and feeder panel dead fronts. T = Device Tail C = Ceiling Light W = Wall Bracket Light R = Convenience Receptacle S = Switch													
Breaker	Size	15A	Wire Size			14G	Breaker	Size	20A	Wire Size														12G	
Rooms		T	C	W	R	S	Rooms		T	C	W													R	S
Bedroom #1			1		2	2	Kitchen	1																①	
Hall			2		1																				1
Bedroom #2			1		4	1	Dining Room						1												
Bedroom #3					②	①	Breakfast Nook						1												
Garage			1		1	1																			

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