COMMUNITY DEVELOPMENT
Building and Safety

SINGLE FAMILY ELECTRICAL CALCULATION SHEET

CALIFORNIA ELECTRICAL CODE ARTICLE 220.82

TRACT	FLOOR PLAN	ADDRESS

SUBMIT ADDITIONAL SHEET FOR ALL COMBINATIONS OF OPTIONS

GENERAL LIGHTING LOAD

SQUARE FOOTAGE		X 3 VA	
SA CIRCUITS	1500 VA X	CIRCUITS	
LAUNDRY	1500 VA X	CIRCUIT(S)	

APPLIANCES AND EQUIPMENT (Use default values in italics or attach cut sheet)

MICROWAVE (in dedicated space)	*1,300 W*	
COMPACTOR	*1,000 W*	
DISHWASHER	*1,200 W*	
DISPOSAL	*800 W*	
ELECTRIC OVEN	*2,000 W*	
RANGE	*8,000 W*	
WHOLE HOUSE FAN	*500 W*	
ELECTRIC CLOTHES DRYER (if not connected to the laundry branch circuit)	*5,000 W*	
VEHICLE CHARGING STATION (shall be calculated @125%)	*8,300 W (50 Amps)*	
WATER HEATER (nameplate rating)		
POOL APPLIANCES (nameplate rating)		
Sum of nameplate VA rating of any other appliances or ANY motor fastened in place and not included above.		

SUBTOTAL (A) _____

SUBTOTAL (A) MINUS 10,000 VA _____ X 0.40 = _____

PLUS 10,000

SUBTOTAL (B) _____

CUT SHEET REQUIRED FOR A/C AND HEAT

TOTAL A/C LOAD _____

TOTAL HEAT LOAD _____

USE LARGEST OF A/C OR HEAT **SUBTOTAL (C)** _____

(B)+(C) _____ **÷ 240 V =** _____ **AMPS** **SELECT** _____ **AMP SERVICE**

USE VA FROM **GENERAL LIGHTING LOAD** ABOVE FOR GENERAL PURPOSE BRANCH CIRCUITS.

GENERAL LIGHTING LOAD _____ ÷ 120 V = _____ AMPS

GENERAL PURPOSE BRANCH CIRCUIT BREAKER RATINGS MUST EQUAL OR EXCEED THE ABOVE

NOTE: If service is replaced, it shall be provided with SPD (Surge Protection Device) CEC 230.67.

SINGLE FAMILY ELECTRICAL CALCULATION SHEET

PANEL DIRECTORY - USE SEPARATE SHEET FOR SUB-PANELS
INDICATE HANDLE TIES OR TWO POLE BREAKERS IN APPROPRIATE COLUMN
BOLD LINES INDICATE FULL SIZE BREAKERS - THINNER LINES INDICATE TWINS
FOR SINGLE COLUMN PANELS START ON LEFT SIDE AND CONTINUE ON RIGHT SIDE AS NEEDED

#	INDICATE TIE	DESCRIPTION	AMP	GFCI/AFCI	GFCI/AFCI	AMP	DESCRIPTION	INDICATE TIE	#