



# SINGLE FAMILY ELECTRICAL CALCULATION SHEET

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)	<i>1,300 W</i>	_____
COMPACTOR	<i>1,000 W</i>	_____
DISHWASHER	<i>1,200 W</i>	_____
DISPOSAL	<i>800 W</i>	_____
ELECTRIC OVEN	<i>2,000 W</i>	_____
RANGE	<i>8,000 W</i>	_____
WHOLE HOUSE FAN	<i>500 W</i>	_____
ELECTRIC CLOTHES DRYER (if not connected to the laundry branch circuit)	<i>5,000 W</i>	_____
VEHICLE CHARGING STATION (shall be calculated @125%)	<i>8,300 W (50 Amps)</i>	_____
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	#