Residential Service Load Worksheet

Optional Calculation for Dwelling Unit per CEC 220-30

Address: _____ Permit #: _____ Date: _____

Building sq.ft.: _____ Gas Furnace? Y N

Rating of:	NPR (Name plate Rating)	Watts (= volts x amps)	X % =	Total(a)
Air Conditioning*	NPR	_____	X 1.00 =	_____
Heat Pump	NPR	_____	X 1.00 =	_____
Electric Central Heating System	NPR	_____	X.65 =	_____
Electric Space Heaters Less than 4 separately controlled units	NPR	_____	X .65 =	_____
Electric Space Heaters 4 or more separately controlled units	NPR	_____	X .40 =	_____

Transfer the largest value (watts) from the above 5 lines to the space below titled "from above" **

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* Air Conditioning Example:

Compressor =	16.0 amps
Air handler =	2.0 amps
25% of the largest motor =	4.0 amps
Total =	22.0 amps X 240 volts = 5,280 Watts

Quantity	Item			Watts (= volts x amps)
_____	Sq. Ft. X 3 watts per sq. ft.		=	_____
_____	(2) 20 Amp appliance circuits @1500 watts each (kitchen)		=	_____
_____	Range/cooktop	NPR	=	_____
_____	Ovens	NPR	=	_____
_____	Microwave (separate)	NPR	=	_____
_____	Water Heater (if electric)	NPR	=	_____
_____	Dishwasher	NPR	=	_____
_____	Garbage Disposal	NPR	=	_____
_____	Washer	NPR	=	_____
_____	Electric Dryer	greater of 5000 or NPR	=	_____
_____	Motor loads	NPR	=	_____
_____	Pool and/or Spa	NPR	=	_____
_____	Other loads		=	_____
			Subtotal =	_____
			Less	- 10,000
			Total =	_____ X .40 = _____
				** from above + _____
				+ 10,000
				Grand Total (watts) = _____

Grant Total (watts) _____ ÷ 240 Volts = _____ Service Load (Amps)

Existing service size:_____Amp

_____

Signature – Electrical Contractor, owner/builder