



Building Department  
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# ELECTRIC LOAD CALCULATION

Address: \_\_\_\_\_ Date: \_\_\_\_\_

Phone: \_\_\_\_\_ Gas Furnace (Y/N) \_\_\_\_\_ Existing Sq. Ft: \_\_\_\_\_ New Sq. Ft: \_\_\_\_\_

Rating of:		<b>Watts* x % = Total(a)</b>	
Electric Furnace	NPR (Name Plate Rating)	_____ x .65 = _____	Enter the largest value (watts) from
Air Conditioning	NPR _____ x 1.00 = _____	_____ x 1.00 = _____	
Heat Pump	NPR _____	_____ x 1.00 = _____	
Heater Rating (Less than 4 rooms)		_____ x .65 = _____	<b>Total (a)</b>
Heater Rating (More than 4 rooms)		_____ x 1.00 = _____	

Quantity	Item	Watts*	
_____	Sq. Ft. x 3 watts per sq. ft.	= _____	Add this value to calculations below
_____	20 Amp appliance circuits @ 1500 watts ea.	= _____	
_____	Ranges NPR	= _____	
_____	Ovens NPR	= _____	
_____	Water Heater NPR	= _____	
_____	Dishwasher NPR	= _____	
_____	Garbage Disposal NPR	= _____	
_____	Washer NPR	= _____	
_____	Dryer NPR	= _____	
_____	Motor loads NPR	= _____	
_____	Other loads	= _____	
<b>Sub Panel Total (from below)</b>		= _____	
<b>Subtotal</b>		= _____	

**\*Watts = Volts x Amps**

Less - \_\_\_\_\_ 10,000 + 10,000

Total = \_\_\_\_\_ x .40 = + \_\_\_\_\_

**Grand Total (Watts)** = \_\_\_\_\_

Grand Total (watts) \_\_\_\_\_ ÷ 240 Volts = \_\_\_\_\_ Service Load (Amps)

Service size: \_\_\_\_\_ Amps

Are sub-panels to be installed? \_\_\_\_\_ How many? \_\_\_\_\_

Amp Rating? \_\_\_\_\_ Wire Size? \_\_\_\_\_

_____	Motor loads	NPR	= _____
_____	Other loads		= _____
_____	Other loads		= _____
<b>Sub Panel Total</b>			= _____

\_\_\_\_\_  
 (Print name)-Electrical Contractor / Owner - Builder

\_\_\_\_\_  
 State License number

\_\_\_\_\_  
 (Signature) - Electrical Contractor / Owner - Builder