



Electric Load Worksheet

Address: _____ Date: _____

Main Electric Panel Service Size: Existing _____ (Amps) / New (if applicable) _____ (Amps)

Quantity of Existing Subpanels: _____ Quantity of New Subpanels: _____ Gas Furnace (Y/N) _____
 Breaker Size(s) feeding subpanel(s)? _____ Wires Size(s) feeding subpanel(s)? _____

A. Calculate Habitable¹ Square Footage

_____ (Existing S.F.) + _____ (New S.F., if any) = _____ Total Habitable¹ Square Footage

B. Identify General Loads

General Lighting and Use Receptacles:	_____ Total Habitable ¹ SF	x 3	= _____ total watts
Kitchen Small Appliance Branch Circuits:	_____ (Quantity, Min. 2)	x 1500	= _____ total watts
Bathroom Small Appliance Branch Circuits:	_____ (Quantity, Min. 1)	x 1500	= _____ total watts
Range:	_____ (Nameplate Rating)	x 1	= _____ total watts
Oven:	_____ (Nameplate Rating)	x 1	= _____ total watts
Water Heater:	_____ (Nameplate Rating)	x 1	= _____ total watts
Dishwasher:	_____ (Nameplate Rating)	x 1	= _____ total watts
Garbage Disposal:	_____ (Nameplate Rating)	x 1	= _____ total watts
Washer:	_____ (Nameplate Rating)	x 1	= _____ total watts
Dryer:	_____ (Nameplate Rating)	x 1	= _____ total watts
Total Subpanel Load ² :	_____ (Combined Watts ²)	x 1	= _____ total watts
Motor Loads:	_____ (Nameplate Rating)	x 1	= _____ total watts
Other Loads:	_____ (Nameplate Rating)	x 1	= _____ total watts

Add total watts together (from above) = _____ Total B

C. Identify Largest of the Following Six Heating and Air Conditioning (HAC) Loads

Electric Thermal Storage:	_____ (Nameplate Rating)	x 1	= _____ total watts
Air Conditioning and Cooling:	_____ (Nameplate Rating)	x 1	= _____ total watts
Heat Pump (without any supplemental electric heating):	_____ (Nameplate Rating)	x 1	= _____ total watts
3 or Less (Separately Controlled) Electric Space Heating Units:	_____ (Nameplate Rating)	x 0.65	= _____ total watts
4 or more (Separately Controlled) Electric Space Heating Units:	_____ (Nameplate Rating)	x 0.40	= _____ total watts
Central Electric Space Heating System ³ :	_____ (Combined Nameplate Rating ³)	=	_____ total watts

Enter single largest Heating and Air Conditioning Load (from above) = _____ Total C

D. Calculate Total Service Load

$\frac{\text{Total B (from above)}}{\text{Total B (from above)}} - 10,000 \text{ watts} \times 0.40 + 10,000 \text{ watts} + \frac{\text{Total C (from above)}}{\text{Total C (from above)}} \div 240 = \text{_____ Total Amps}$

Signature _____

Print Name _____

State License Number (if applicable) _____

¹Habitable square footage includes the floor area for each floor, calculated from the outside dimensions of the dwelling unit. It does not include open porches, garages, or unused or unfinished spaces not adaptable for future use.

²Add all subpanel loads here that are not already included elsewhere on this form.

³For Central Electric Space Heating Systems, add 100% of the heat pump compressor's nameplate rating plus 65% of the supplemental electric heating's nameplate rating. If the heat pump compressor is prevented from operating at the same time as the supplementary heat, it does not need to be added to the supplementary heat for the total central space heating load.