



Electrical Load Calculation Worksheet

1 GENERAL LIGHTING LOAD [Table 220.12]	TOTALS
_____ Sq. Ft X 3 VA/ft ² = _____ VA(a)	
Small Appliance Circuits: [Sec. 220.52(A)] _____ Circuits @ 1,500 VA (minimum of 2) = _____ VA(b)	
_____ Laundry [Sec. 220.52(B)] = _____ 1,500 VA(c)	
_____ Sub Total: (a+b+c) = _____ VA(d)	
Application of Demand Factor [Table 220.42]	
_____ First 3,000 VA(d) @ 100% = _____ 3,000 VA	
(≤120,000) Remainder of _____ @ 35% = _____ VA	
(>120,000) Remainder of _____ @ 25% = _____ VA	
_____ Sub Total: = _____ VA	= _____ VA(1)
2 FIXED APPLIANCES [Section 220.53]	
_____ Garbage Disposal (600 VA) _____ VA	
_____ Water Heater (4,500 VA) _____ VA	
_____ Dishwasher (1,200 VA) _____ VA	
_____ Compactor (1,200 VA) _____ VA	
_____ Microwave (1,500 VA) _____ VA	
_____ _____ VA	
_____ Sub Total: _____ (e) @ 100% = _____ VA(2)	
<i>(4 or more appliances, a demand factor of 75% may be used)</i>	
3 DRYER [Section 220.54, Table 220.54]	
5,000 VA or Name Plate _____ whichever is larger VA @ 100% = _____ VA(3)	
4 COOKING EQUIPMENT [Table 220.55] Notes	
# of Units: 1 each 8,000 VA @ 100% _____ VA	
2 each 11,000 VA @ 100% _____ VA	
3 each 14,000 VA @ 100% _____ VA	
Total: _____ VA(f) _____ VA	= _____ VA(4)
<i>(may be reduced per Table 220.55)</i>	
5 HEATING OR A/C [Section 220.60]	
Total load for Supplemental Heating Unit (i) = _____ VA	
Total load for A/C Unit (ii) = _____ VA	
Total load for Heat Pump (iii) = _____ VA	
Largest load of (i)+(ii) or (ii)+(iii) = _____ @ 100% = _____ VA(5)	
6 LARGEST MOTOR [Sec. 220.14 (C)], [Sec. 220.50] - Usually A/C Compressor	
Single Phase _____ VA @ 25% = _____ VA = _____ VA(6)	
7 OTHER LOADS (i.e., pool pump, spa, welder)	
Pool Pump, Spa, Welder = _____ VA = _____ VA(7)	
TOTAL: Add VA(1) through VA(7) _____ VA(8)	
Calculated Load for Service (VA(8)/240) = _____ AMPS	

Service Panel Size = _____
 Grounding Electrode Conductor = _____