

Town Of Collierville  
 Building Department  
 500 Poplar View Pkwy  
 Collierville, TN 38017



**Residential Service Load Calculation for Minimum Size Feeder NEC Article 220, sections I & II**

Contractor Name \_\_\_\_\_

Job Address \_\_\_\_\_

**General lighting and receptacle loads-NEC 220.3(A)**

# of items	Watts ea.	Line Total	Subtotal	Totals
1	<input type="text"/> Square footage NEC table 220.3(A)	3		

**Small appliance loads-NEC 220.16 (A)&(B)**

# of items	Watts ea.	Line Total	Subtotal	Totals
2	<input type="text"/> Small appliance circuits NEC 220.16(A)	1500		
3	<input type="text"/> Laundry circuit - NEC 220.16(B)	1500		
4	<i>Small appliance load total</i>	add lines 2 and 3		
5	<i>*Subtotal general lighting &amp; small appliances</i>	add lines 1 and 4		
6	<i>*Subtotal First 3000 watts x 100% NEC 220.11</i>	from line 5		
7	<i>*Subtotal remainder x 35%</i>			
8	<i>Total lighting &amp; receptacle &amp; small appliance circuits</i>	add lines 6 and 7		

**Special appliance loads**

# of items	Watts ea.	Line Total	Subtotal	Totals
9	<input type="text"/> Range nameplate rating			
10	<input type="text"/> Clothes dryer NEC 220.18	5000		
11	<input type="text"/> Larger of AirConditioning or Electric Heat unit # 1			
12	<input type="text"/> Larger of AirConditioning or Electric Heat unit # 2			
13	<input type="text"/> Larger of AirConditioning or Electric Heat unit # 3			
14	<input type="text"/> Larger of AirConditioning or Electric Heat - all others			
15	<i>Total special appliances</i>	add lines 9 thru 14		

**Fixed appliances**

# of items	Watts ea.	Line Total	Subtotal	Totals
16	<input type="text"/> Water Heater			
17	<input type="text"/> Kitchen Disposal			
18	<input type="text"/> Dishwasher			
19	<input type="text"/> Trash Compactor			
20	<input type="text"/> Ice Machine			
21	<input type="text"/> Furnace Motor			
22	<input type="text"/> Central Vac			
23	<input type="text"/> Other		Total Watts	# of fixed
24	<input type="text"/> Other		appliances	appliances
25	<input type="text"/> Other			
26	<i>Total if less than 4 fixed appliances x 100%</i>	from lines 16 thru 25		
27	<i>Total if 4 or more fixed appliances x 75%</i>	from lines 16 thru 25		
28	Largest motor Wattage = <input type="text"/> Watts	to get 25% of largest motor		
add lines 8, 15, 26 or 27, and 28		<b>Total LOAD in Watts</b>		

**Total LOAD in Amperage (watts / 240 Volts)**

**Wire Size per NEC 310.15(B)(6)**