

# Residential Standard Calculation

9/25/1997

FOOR 63 Regimental Dr CAMERON

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Version 2011 L

## STEP 1 Article 220.42 & 220.52

sq. ft	2262	General Lighting load	6,786 VA
		Small Appliance	VA
	1	Laundry circuit	1,500 VA
		Gen.Lgt, Sm App.& Laun. Load	8,286 VA
			3,000 VA @ 100%=
			5,286 VA @ 35% =
			VA @ 25% =

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## STEP 2 Article 220.50 & 220.51

### A/C Condenser & Fixed Electric Space Heating

	VA	AHU	Select	QTY	VA
	VA	AHU 1	Select	Qty	VA
	VA	AHU 2	Select	Qty	VA
	VA	AHU 3	Select	Qty	VA
	VA	AHU 4	Select	Qty	VA
	VA	AHU 5	Select	Qty	VA

General Lighting Demand Load **4,850 VA**

Total	0
Heating Load	VA
CU Load	VA

Greater of Heat @ 100% vs.A/C @ 100% **VA**

## STEP 3 Article 220.53

4,500 VA	1	Water Heater	4,500 VA
	0	Refrigerator	VA
575 VA	1	Freezer	575 VA
	0	Dishwasher	VA
756 VA	0	Disposal	VA
	0		0 VA
	0	Microwave	VA
	0		0 VA
720 VA	1	Door Opener	720 VA
	0		0 VA
	0		0 VA
	0		0 VA
<input type="checkbox"/> select			VA
<input type="checkbox"/> select			VA
<input type="checkbox"/> select			VA
select			VA
select			VA
<input type="checkbox"/> Pool Equip. Panel			VA 100% Demand
<input type="checkbox"/>			VA No Demand
<input type="checkbox"/>			VA No Demand

Appliance Demand Load **5,795 VA**

Dryer Demand Load **VA**

Range Demand Load **VA**

Service Demand **10,645 VA**

Demand Load **44 A**

Neutral Demand **26 A**

Min.Service Req. **100 A**

Min. Feeder size **2**

Min. Neutral size **4**

Eq. Grding Cond. **6**

**Aluminium**

Total Appliance Load **5,795 VA**

4 or more demand @ 75% plus 100% demand loads **VA**

## STEP 4 Article 220.54

Electric Clothes Dryers

## STEP 5 Article 220.55

Electric Ranges

or Number of appliances

Col C demand **0**

Check Box for Gas Range

Cooktop	Col B demand
Cooktop	Col B demand
Oven(s)	Col B demand
Oven(s)	Col B demand

Number of appliances **0** Dem. Factor **0%**

Cooktop & Oven Demand Load **W**

**Existing 80Amp Sub-Panel**

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Pool Panel Feeder Calculation (See Note)		A	B	N
Continuous Motors	0	0	0	0
Non-continuous	0	0	0	0
Spa heater 11 kVA		0	0	
Pool heater 3.5 ton		0	0	
Pool heater 5 ton		0	0	
Pool Light	select 0	0	0	0
Blower	select 0 <input type="checkbox"/> 240v	0	0	0
other load	0 <input type="checkbox"/> 240v	0	0	0
other load	0 <input type="checkbox"/> 240v	0	0	0
<input type="checkbox"/> Min.Copper Pool Feeder	<b>AWG</b>	<b>A</b>	<b>A</b>	<b>A</b>
Minimum Panel Rating		Phase Amperes		Neut. load

Continuous Motors	Non-continuous Motors
select <input type="checkbox"/> 240v	select <input type="checkbox"/> 240v
select <input type="checkbox"/> 240v	select <input type="checkbox"/> 240v
select <input type="checkbox"/> 240v	select <input type="checkbox"/> 240v
select <input type="checkbox"/> 240v	select <input type="checkbox"/> 240v
select <input type="checkbox"/> 240v	select <input type="checkbox"/> 240v

**0.0** Motor Neutral Load

Max.Unbalanced Neutral Load