Residential Optional Calculation

9/25/1997

FOOR 63 Regimental Dr CAMERON

by: John Sokolik

Version 2011 L

WIRETECH COMPANY
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STEP 1 Article 220.82 (B) (1),(2)

sq. ft	2262	General Lighting load	6,786 VA
	2	Small Appliance	3,000 VA
	1	Laundry circuit	1,500 VA
	Gen.Lgt, Sm App.& Laun. Load		11,286 VA

STEP 2 Article 220.82 (C) ☑

General lighting, Sm. Appl. & Laundry **11,286 VA**

A/C Condenser & Fixed Electric Space Heating

						QTY
3.5 ton	6,003 VA	AHU 1	8.8 kW	9,674 VA	1	
	VA	AHU 2	Select	VA	Qty	
	VA	AHU 3	Select	VA	Qty	
	VA	AHU 4	Select	VA	Qty	
	VA	AHU 5	Select	VA	Qty	

Total 1

Heating Load	6,594 VA
CU Load	6,877 VA

Electric Space Heat @ 65% <4, 40% >3, vs. A/C @ 100% **6,877 VA**

STEP 3 Article 220.82 (B) (3)

4,500 VA	1	Water Heater		4,500 VA
460 VA	1	Refrigerator		460 VA
575 VA	1	Freezer		575 VA
1,200 VA	1	Dishwasher		1,200 VA
756 VA	1	Disposal		756 VA
	0		0	VA
1,700 VA	1	Microwave		1,700 VA
☐	0		0	VA
720 VA	1	Door Opener		720 VA
☐	0		0	VA
☐	0		0	VA
	0		0	VA
☐	select			VA
☐	select			VA
☐	select			VA
	select			VA
	select			VA
		Pool Equip. Panel		VA Apply Demand
☐				VA No Demand
☐				VA No Demand

Appliance Demand Load	**9,911 VA**
Dryer Demand Load	**6,240 VA**
Range Demand Load	**12,800 VA**
Service Demand	**28,972 VA**
Demand Load	**121 A**
Neutral Demand	**84 A**
Min.Service Req.	**125 A**
Min. Feeder size	**1/0**
Min. Neutral size	**2**
Eq. Grding Cond.	**4**
☑	**Aluminium**
Total Appliance Load	**9,911 VA**

STEP 4 Article 220.82 (B) (3)

Electric Clothes Dryers **6,240 VA**

STEP 5 Article 220.82 (B) (3)

Electric Ranges **12,800 W** Col C demand **8400**

or Number of appliances

	Cooktop	Col B demand
☐ Check Box for Gas Range	Cooktop	Col B demand
	Oven(s)	Col B demand
	Oven(s)	Col B demand

Number of appliances **0** Dem. Factor

Cooktop & Oven Demand Load

Existing 200Amp Service

jmp1jds@comcast.net

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