

Residential Standard Calculation

9/25/1997

ARMSTRONG 93 Castlebay Dr SANFORD

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Version 2011 L

STEP 1 Article 220.42 & 220.52

sq. ft	4116	General Lighting load	12,348 VA
	2	Small Appliance	3,000 VA
	1	Laundry circuit	1,500 VA
		Gen.Lgt, Sm App.& Laun. Load	16,848 VA
			3,000 VA @ 100%= 3,000 VA
			13,848 VA @ 35% = 4,847 VA
			VA @ 25% = VA

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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 **7,847 VA**

Total	0
Heating Load	VA
CU Load	VA

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

STEP 3 Article 220.53

	0	Water Heater	VA
828 VA	1	Refrigerator	828 VA
690 VA	1	Freezer	690 VA
1,200 VA	1	Dishwasher	1,200 VA
1,140 VA	1	Disposal	1,140 VA
	0		0 VA
1,800 VA	1	Microwave	1,800 VA
	0		0 VA
720 VA	2	Door Opener	1,440 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 **5,324 VA**

Dryer Demand Load **6,240 VA**

Range Demand Load **VA**

Service Demand **19,410 VA**

Demand Load **81 A**

Neutral Demand **73 A**

Min.Service Req. **100 A**

Min. Feeder size **2**

Min. Neutral size **3**

Eq. Grding Cond. **6**

Aluminium

Total Appliance Load **7,098 VA**

4 or more demand @ 75% plus 100% demand loads **5,324 VA**

STEP 4 Article 220.54

Electric Clothes Dryers

6,240 VA

STEP 5 Article 220.55

Electric Ranges

Col C demand

0

or Number of appliances

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 90Amp Garage Sub-Panel

imp1jds@comcast.net

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
Blower	select	0	0	0
other load	0	0	0	0
other load	0	0	0	0
<input type="checkbox"/> Min.Copper Pool Feeder		A	A	A
Minimum Panel Rating		A	Phase Amperes	Neut. load

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

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

0.0 Motor Neutral Load

Max.Unbalanced Neutral Load