

Residential New Electrical Service Calculations

NAME / CONTRACTOR: _____

ADDRESS / SUB-LOT: _____

Electrical Calculations

	Sq. Ft. x	V-A		
Typical One-Family Dwelling				
General Lighting Load Calc:		V-A	/120=	/15=
General Lighting Load Requirements:		/120 V =		

General Lighting:		V-A		
Small Appliance 210.11(c)(1):	3000	V-A		
Laundry 210.11(c)(2):	1500	V-A		
Bathroom 210.11(c)(3):	1500	V-A		
Total		V-A	/120=	/20=

3000 V-A @ 100% 3000 V-A
 -3000 at 35% V-A

	Net Load	V-A
Range (see Table 220.55)		V-A
Clothes Dryer (see table 220.54)		V-A
Heating / A-C Load (largest)(220.82 C)		V-A
Heat Pump - 100% compressor nameplate		V-A
Heat Pump - 65% supplemental heat		V-A
Fixed Sp. Heat - 100% load (220.51)		V-A
Dishwasher		V-A
Disposal		V-A
Microwave		V-A
Electric Water Heater		V-A
Misc Motors		V-A
Total		V-A

Calculations - Service Feeder 120/240V, 3-wire single phase

/ 240V = Amps