

RESIDENTIALELECTRICALLOADWORKSHEET

OWNER:

ADDRESS:

Art. 220 - 17

	LIGHTINGLOAD						
	Art. 220 - 3(a) Total square footage of habitable living area:				@ 3 wat	ts per sqft =	watts
	Art. 220 - 16(a) Two small appliance circuits @	1500 watts ea	ch :	2_	@ 1500 w	atts each =	3000 watts
	Art. 220 - 16(a) Additional small appliance circu	its each :			@ 1500 v	vatts each =	watts
	Art. 220 - 16(b) Laundry circuit (washing machi	ne) @ 1500 wa	atts ea.		@ 1	500 watts =	watts
					Lighting Loa	d Subtotal =	watts
Table 220	0 - 11						
	First 3000 watts of lighting load subtotal:		@ 100% =	300	00 watts		
	Remainder from 3001 to 120,000 watts:		<u>@</u> 35% <u>=</u>		watts		
	Remainder over 120,000 watts:		<u>@</u> 25% <u>=</u>		watts		
				LIC	GHTING LOA	D TOTAL =	watts
	APPLIANCELOAD						
	Art. 220 - 17	Disposal:		X	600	watts =	watts
		Microwave:		Χ	1500	watts =	watts
		Compactor:		Χ	1200	watts =	watts
		Dishwasher:		Χ	1200	watts =	watts
		Food Center:		Χ	600	watts =	watts
		:		Χ		watts =	watts
		:		Χ		watts =	watts
					Appliance	Subtotal =	watts
						APPLIAN	ICE TOTAL

Appliance subtotal: watts X = watts

[Less than 4 units @ 100%; 4 or more units @ 75%]

OWNER:
ADDRESS:

ELECTRICCLOTHESDRYER

Art. 220 - 18 5000 watts OR nameplate rating: [Whichever is larger] DRYER TOTAL = watts

WATERHEATER (if electric)

Art. 220 - 3(b) @ Nameplate rating: WATER HEATER LOAD = watts

HOUSEHOLDCOOKINGEQUIPMENT

Table 220 - 19 Cooking Units - Includes ranges, wall mounted ovens, countertop

units, and other household cooking units.

Number of Units -

ONE unit use 8,000 watts:
TWO units use 11,000 watts:
THREE units use 14,000 watts:
FOUR units use 17,000 watts:
FIVE units use 20,000 watts:

COOKING TOTAL = watts

SPACEHEATING/AIR CONDITIONING

Art. 220 - 4(a) Air con	ditioner nameplate	rating [@ 125%] :	watts X 125% =	watts
Art. 220 - 21	OR	[Whichever is larger]		

Art. 220 - 15 Electric heat nameplate rating [@ 100%]:

HEATPUMP

Art. 220 - 4(a)	Largest condensing unit nameplate [@ 125%]:	watts X 125% =	watts
Art. 440 - 33	AND		
Art. 220 - 15	Supplementary heat (resistance) [@ 100%]:	watts X 100% =	watts
	ADDITIONALHVACEQUIPMENT		
Art. 440 - 33	Condensing units or A/C's : >	watts X 100% =	watts

SPACE HEATING/AIR CONDITIONING TOTAL = watts

OWNER

ADDRESS:

OPTIONALEQUIPMENT

Art. 220 - 3(b) SWIMMING POOL and/or SPA: >

Art. 430 - 24 Largest motor nameplate : watts X 125% = watts

Remaining motor(s) nameplate(s): watts X 100% = watts

Lights and other misc. equipment: watts X 100% = watts

POOL/SPA TOTAL = watts

Art. 220 - 3(b) WELDERS, KILNS, ETC.

1. Name or description of equipment:

@ rated nameplate : watts X 100% = watts

2. Name or description of equipment :

@ rated nameplate : watts X 100% = watts

3. Name or description of equipment:

@ rated nameplate : watts X 100% = watts

MISCELLANEOUS EQUIPMENT TOTAL = watts

TOTALDEMANDONSYSTEM

Art. 220 - 10 Sum of all totals : LIGHTING LOAD TOTAL = watts

APPLIANCE TOTAL = watts

DRYER TOTAL = watts

WATER HEATER TOTAL = watts

COOKING TOTAL = watts

SPACE HEATING/AIR CONDITIONING TOTAL = watts

POOL/SPA TOTAL = watts

MISCELLANEOUS EQUIPMENT TOTAL = watts

TOTALLOADFORDWELLING = watts

0	W	Ν	Ε	R:	

ADDRESS:

	MAINSERVICESIZING				
Art. 220 - 2	TOTAL LOAD				
	[NOTE: For 120/240 Volt systems use 240 volts; fo	r 120/208 Volt systems	use 208 volts]		
Art. 220 - 10	MINIMUM SERVICE SIZE	AMPS			
Table 310 - 16	SERVICE ENTRANCE CONDUCTORS	AWG, Cu	u, AWG, AI.		
Table 250 - 94	GROUNDING ELECTRODE CONDUCTOR	AWG Co	pper		
	OPTIONAL CALCULATION FOR DWELLING UNIT				
	OF HONAL CALCULATION FOR DWELLING UNIT				
Table 220 - 30	100% of the nameplate rating(s) of the air conditioning	9	watts		
	100% of the first 10 kVA of all other load		watts		
	40% of the remainder of all other load		watts		
TOTAL OPTIONAL LOAD watts					
Art. 220 - 2	TOTAL OPTIONAL LOAD:[DIVIDED BY:	volts = Amps		
	[NOTE: For 120/240 Volt systems use 240 volts; for 120/208 Volt systems use 208 volts]				
Art. 220 - 10	MINIMUM SERVICE SIZE	AMPS			
Table 310 - 16	SERVICE ENTRANCE CONDUCTORS	AWG, Cu,	AWG, AI.		
Table 250 - 94	GROUNDING ELECTRODE CONDUCTOR	AWG Copp	per		

Revised 6/24/03