



NEC 220.83 - Adding a Circuit to an Existing Dwelling Unit		
Square Feet	2,100 Panel Breaker Rating: 100	A L1/L2: 240 Vac
NEC 220.83(A)(1)	"General lighting and general use receptacles @ 3 volt/amperes per square foot as determined by 220.12"	
, , , , ,	2,100 square feet x 3w/sq ft	6,300 VA
NEC 220.83(A)(2)	Small appliance and laundry branch circuits @1500VA per 20 amp circuit	
	Number of circuits 3 x 1500=	4,500 VA
NEC 220.83(A)(3)(b)	"Household Range(s), wall-mounted oven(s), and counter-mounted cooking unit(s)"	
	Oven	7,680 VA
,	Microwave	0 VA 7,680 total VA
NEC 220.83(A)(3)(a)	"All other appliances that are permanently connected, fastened in place, or connected to a dedicated circuit, at nameplate rating"	
	Dishwasher/Disposal Refrigerator Cooktop/Hood Washer Dryer Jacuzzi  Tesla HPWC EVSE 1: EVSE 2:  Total of non air-conditioning loads: First 8kVA of load at 100% Remainder of load at 40% Adjusted total of non air-conditioning load	2,800 VA 1,760 VA 1,760 VA 1,760 VA 800 VA 1,500 VA 0 VA 0 VA 0 VA 0 VA 0 VA 15,360 VA VA VA 25,740 total VA  8,000 VA 14,488 VA
NEC 220.83(B)	20.83(B) "Where additional air-conditioning equipment or electric space-heating equipment is to be installed"	
	A/C Equipment Unit #1 and #2 A/C Equipment Unit #3 and #4	0 VA 0 VA
	Total of A/C Loads and All Other Loads:	22,488 total VA
	Total Proposed Calculated Load:	93.70 Amps
Load Calculation(s)		