Si	tandard Meth	nod Load Calcu	ulation for On	e-Family Dwellir	ngs	
General Lighting and R Do not include open porches, unfinished spaces not adapta	garages, or unused or	.12	3 X (Sq ft us	ing outside dimentions)	=	
2 Small Appliance Branc At least two small-appliance I	h Circuits 220.52(A) branch circuits		1500 X	(Minimum of two)	= 3	
3 Laundry Branch Circuit At least one laundry branch c	s 220.52(B) circuit		1500 X	(Minimum of one)	= 3	
must be included 210.11(C)(2 4 Add lines 1,2,3	4		Lines 5 through 8 Ut	ilize the demand factors fou	nd in Table	220.42
53000 =	5 (If 117,000 or less, ski	ip to line 8)	ne 5, if more than 117,000)	-117000	= 6	
7 X 25% =	7	8 _	Smaller of line 5 or 117,000)	X 35%	= 8	
9 Total General Lighting	and Receptacle Load	3000 +	(Line 7)	(Line 8)	= 9	
10 Fastened-In-Place App Use the name plate rating, Do not include eletric ranges clothes dryers, space-heating equipment, or air-conditiong		Item Dish Washer MicroWave	VA	Item VA	Total Nu	mber of Appliances
If four or more units, m	s, put total volt-amperes	on line 10	es if Voltage is 120 Volts (volt-amps of fou		= 10	
12 Ranges, Ovens, Cook (If present; otherwise s (The neautral demand	skip to line 13) Use To load is 70% for feeds Range(s	able 220.55 and all applicers. 220.61(B))	cable Notes	VA Cook To VA Oven VA Oven VA Oven	12	
13 Heating or Air-Condition Include the air handler maximum amount of e	r when using either or electric heat that can l	ne. For heat pumps, inclube energized while the cowing for Sizing of Neutral	de the compressor an impressor is running. Conductor were appli AHU Blower	d the	13	
14 Largest Motor (one mo	otor only) 220.50 and res of the largest mo	430.24 tor by 25%	es if Voltage is 120 Volts	X 25%	= 14	
15 Total Volt-Ampere Del	mand Load: Add lines	Check box if Voltage is 120 Vo		t-amperes	15	
16 Minimum Amperes Divide the total volt-amperes by the voltage	(Line 15)	/ (Voltage) = 16	(Minimum Amperes)	Minimum Size 17 Service or Feeder 240.6(A)	17	
18 Size the Service or Feeder Conductors. Use 310.15(B)(6) to find the service conductors up to 400 amperes Ratings in excess of 400 amperes shall comply with Table 310.16 310.15(B)(6) also applies to feeder conductors serving as the main power feeder.					18	
19 Size the Neautral Con 310.15(B)(6) states th can be smaller than the requirements of 215.2 250.24(C)(1) states the required grounding else	ductor 220.61 Let the neutral service Le ungrounded (hot) of L220.61, and 230.42 Let the neutral cannot Lectrode conductor sp	or feeder conductor conductors, provided the are met. be smaller than the ecified in Table 250.66.	Amp	Minimum Size Neutral Conductor	19	
20 Size the Grounding El Use line 18 to find the Size the Equipment G	lectrode Conductor (f grounding electrode frounding Conductor e equipment grounding	or Service). 250.66 conductor in Table 250.6 (for Feeder) 250.122 g conductor in Table 250		Minimum Size Grounding Electrode Conductor	20	