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THAYER 200 Heather Brook Cir SPRING LAKE

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STEP 2 Article 220.82 (C)

A/C Condenser & Fixed Electric Space Heating	QTY	General lighting, Sm. Appl. & Laundry	11,850 VA
2 ton AHU 1	1	Total	2
3 ton AHU 2	1	Heating Load	13,466 VA
VA AHU 3		CU Load	7,924 VA
VA AHU 4		Electric Space Heat @ 65% <4, 40% >3, vs. A/C @ 100%	13,466 VA
VA AHU 5		Appliance Demand Load	12,020 VA

STEP 3 Article 220.82 (B) (3)

Appliance	VA	QTY	Demand Load	Neutral Demand	Min. Service Req.
Water Heater	4,500 VA	1	4,500 VA		
Refrigerator	1,344 VA	1	5,500 VA		
Freezer	VA	0			
Dishwasher	1,188 VA	1	16,600 VA		
Disposal	672 VA	1	37,854 VA		
Microwave	1,580 VA	0			
Door Opener	720 VA	1			
Dehumidifier	1,188 VA	0			
Jacuzzi Tub	828 VA	1	158 A + 40 Amp	96 A	EVSE
Pool Equip. Panel	VA				

STEP 4 Article 220.82 (B) (3)
Electric Clothes Dryers
5,500 VA
Col C demand 0

STEP 5 Article 220.82 (B) (3)
Electric Ranges
or Number of appliances
Cooktop 7,600 W Col B demand
Cooktop Col B demand
Oven(s) 9,000 W Col B demand
Oven(s) Col B demand
Number of appliances 2
Cooktop & Oven Demand Load 2 Dem. Factor

Demand Load 158 A + 40 Amp
Neutral Demand 96 A
Min. Service Req. 175 A
Min. Feeder size 3/0
Min. Neutral size 1
Eq. Grding Cond. 4 Aluminum
Total Appliance Load 12,020 VA

Existing 200Amp Service
198 Amp

Pool Panel Feeder Calculation (See Note)

Continuous Motors	0	A	B	N
Non-continuous	0	0	0	0
Spa heater 11 kVA	0	0	0	0
Pool heater 3.5 ton	0	0	0	0
Pool heater 5 ton	0	0	0	0
Pool Light	0	0	0	0
Blower	0	0	0	0
other load	0	0	0	0
other load	0	0	0	0
Min. Copper Pool Feeder	0	0	0	0
Minimum Panel Rating	AWG	A	A	A

Continuous Motors
240V
240V
240V
240V

Non-continuous Motors
240V
240V
240V
240V

Max Unbalanced Neutral Load 0.0
Motor Neutral Load

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