

	A	B	C	D	E	F	
1	SITE SURVEY FORM						
2	SUBMITTER:						
3							
4	PROJECT NAME:	Richard Dupree	TILT/AZIM1:				
5	ADDRESS:	1196 SW Dairy St. Lake City				TILT/AZIM2:	
6	STATE:	AR				TILT/AZIM3:	
7	AHJ:	Columbia County				TILT/AZIM4:	
8	UTILITY:	Clay Electric				TILT/AZIM5:	
9		#N/A				TILT/AZIM6:	
10	PANEL:	LG365N1C-A6	(E) MSP: 200				
11	INVERTER:	IQ7PLUS-72-2-US				(E) MAIN BREAKER	200
12	BATTERY:	yes				MAX SYSTEM AMPS:	46.9
13	BATTERY QTY:	1 encharge 10				120% RULE:	40
14	BATTERY TYPE:	Enphase				LST ALLOWED?:	#N/A
15	LOAD SHEDDING:					PV METER:	#N/A
16	PV SHEDDING:	yes- 12 panels	ELEVATION PLANS:			#N/A	
17	BATTERY SET UP:	partial				INTERCONNECTION:	Derate Main
18	PANEL QTY:	31	WIRE SIZE:			#4	
19	TRENCH:	no				PANEL UPGRADE:	main breaker swap
20	TRENCH DISTANCE:		INTERCONNECTION NOTES:			Partial backup hybrid with relay - down sizw the main breaker in the meter combo to a 150 amp main breaker. land a 70 amp breaker in the meter combo to feed a 100 amp non fusible disconnect #4 wire. From disconnect, feed the empower smart switch with #4 wire. In the dedicated spot for the battery land a 20A breaker in the smart switch and from the dedicated lugs for the battery feed the encharge 10. Use #12 wire. In the dedicated spot for the solar land a 50A breaker in the smart switch and from the dedicated lugs for the solar in the switch feed the solar combiner box use #6 wire. From the combiner box, land the 2 - 20amp breakers and go up and over with PVC and use #10 wire to feed the 19 panels on battery back up with #12 wire each. From the combiner box, land a 20 amp breaker and go up and over with PVC and use #10 wire to feed 240v/24v contact for the 12 panels not on battery backup. Come off the backed up side feed through lugs in the smart switch with #6 wire for	
21	DETACHED STRUC:	no				UTILTY NOTES:	
22	ATS:	no					
23							
24							
25							
26	AHJ NOTES 1:						
27	AHJ NOTES 2:						
28	IBC:						
29	IRC:						
30	IFC:						
31	NEC:						
32	Use IBC 2015, IRC 2015, IFC 2015, NEC 2017						
33							

Job Name

Version 2011 L

Marc Jones Construction, LLC Sunpro Solar

7/1/2021 9:35

☒

14,625 VA

Total **1**

Heating Load	7,440 VA
CU Load	8,330 VA

Electric Space Heat @ 65% <4, 40% >3, vs. A/C @ 100% 8,330 VA

4,500 VA

☐ Copper

Total Appliance Load 4,500 VA

Electric Clothes Dryers	5,000 VA
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Electric Ranges	10,000 W	Col C demand	8000
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or Number of appliances

☐ Check Box for Gas Range

Cooktop	Col B demand
Cooktop	Col B demand
Oven(s)	Col B demand
Oven(s)	Col B demand

Number of appliances **0** Dem. Factor

Cooktop & Oven Demand Load

imp1jds@comcast.net

Pool Panel Feeder Calculation		(See Note)	A	B	N
Continuous Motors	0		0	0	0
Non-continuous	0		0	0	0
Spa heater 11 kVA			0	0	
Pool heater 3.5 ton			0	0	
Pool heater 5 ton			0	0	
Pool Light	select ▼	0	0	0	0
Blower	select ▼	0 ☐ 240v	0	0	0
other load		0 ☐ 240v	0	0	0
other load		0 ☐ 240v	0	0	0
☐ Min.Copper Pool Feeder			A	A	A
Minimum Panel Rating			Phase Amperes		Neut. load

Non-continuous Motors

select

▼

☐ 240v

select

▼

☐ 240v

select

▼

☐ 240v

select

▼

☐ 240v

select

▼

☐ 240v

select

▼

☐ 240v

select

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☐ 240v

select

▼

☐ 240v

select

▼

☐ 240v

select

▼

☐ 240v

0.0	Motor Neutral Load
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Max.Unbalanced Neutral Load