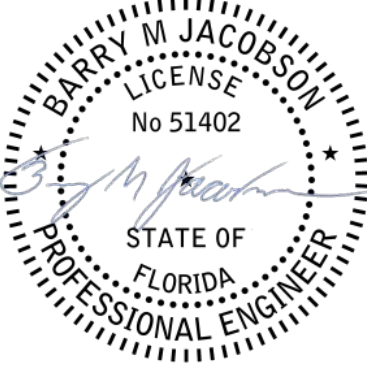


	1	2	3	4	5	6	7
A	KAREN ZETROUER 1262 SW BLUFF DR FORT WHITE FL 32038			SOLAR CONTRACTOR: SOLAR IMPACT, INC 4509 NW 23RD AVE., STUITE 20 GAINESVILLE, FL 32606 352.338.8221 WWW.SOLARIMPACT.COM SOLAR CONTRACTOR LICENSE: CVC56761 EC13012442 PROJECT MANAGER: KJ NISSEN 530.312.3691 KJ.NISSEN@SOLARIMPACT.COM PROJECT DESIGNER: RICHIE WILHOIT 352.226.7271 RICHIE.WILHOIT@SOLARIMPACT.COM ENGINEER OF RECORD: BARRY M. JACOBSON PE#51402 SOLAR IMPACT, INC 352.338.8221 BARRY@SOLARIMPACT.COM	CLIENT: KAREN ZETROUER GENERAL CONTRACTOR: N/A AUTHORITY HAVING JURISDICTION: COLUMBIA COUNTY BUILDING DEPARTMENT UTILITY: CLAY ELECTRIC COOPERATIVE (CEC)		
B	DC:	11.64 KW-DC MODULE STC RATING		PARTICIPANTS			
	AC:	9.894 kW-AC GROSS POWER RATING					
	AC:	23KW-AC INVERTER RATING					
C	THIS IS AN EXPANSION OF AN EXISTING BATTERY BACKED-UP PHOTOVOLTAIC ARRAY. 2X NEW TESLA DC EXPANSION WILL BE ADDED INCREASING THE ONSITE STORAGE CAPACITY FROM 27KWH TO 54KWH. NO OTHER CHANGES TO BE MADE.		G01: GENERAL NOTES A01: EQUIP. LOCATIONS A02: ELECTRICAL RISER E01: LINE DIAGRAM E02: TESLA DC EXPANSION	2023 8TH EDITION FLORIDA BUILDING CODE : BUILDING 2023 8TH EDITION FLORIDA BUILDING CODE : RESIDENTIAL 2023 8TH EDITION FLORIDA BUILDING CODE : MECHANICAL 2023 8TH EDITION FLORIDA BUILDING CODE : PLUMBING 2023 8TH EDITION FLORIDA BUILDING CODE : FUEL GAS 2023 8TH EDITION FLORIDA BUILDING CODE : ENERGY CONSERVATION 2023 8TH EDITION FLORIDA BUILDING CODE : EXISTING BUILDING 2023 8TH EDITION FLORIDA BUILDING CODE : ACCESSIBILITY 2023 8TH EDITION FLORIDA FIRE PREVENTION CODE (NFPA) 2020 NATIONAL ELECTRIC CODE (NEC)			
D							
E							
	SUMMARY		PAGE INDEX	CODE REFERENCES		SITE LOCATION	
	1	2	3	4	5	6	7

Designed By:



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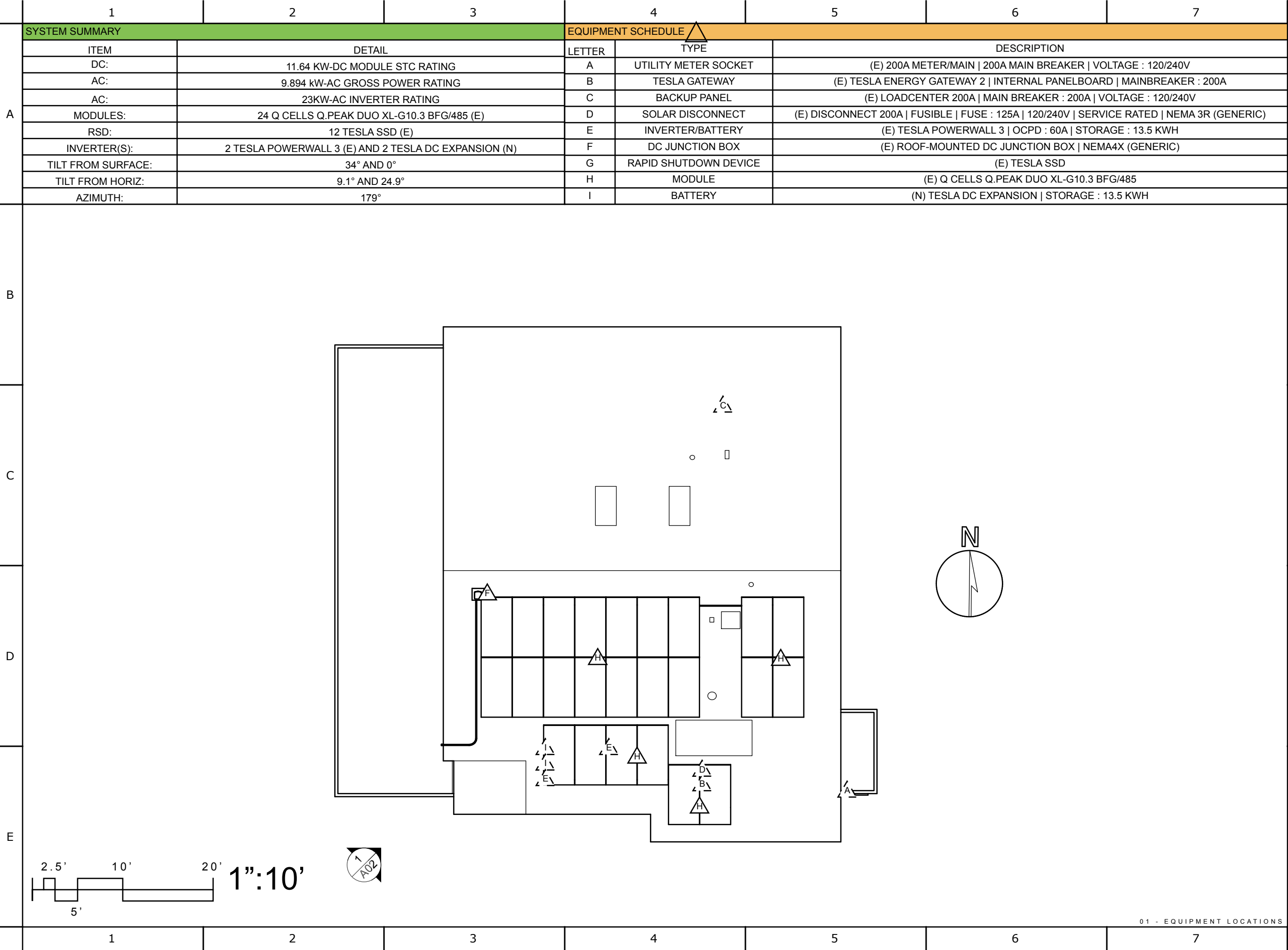
REV#	DATE	REVISION NOTES

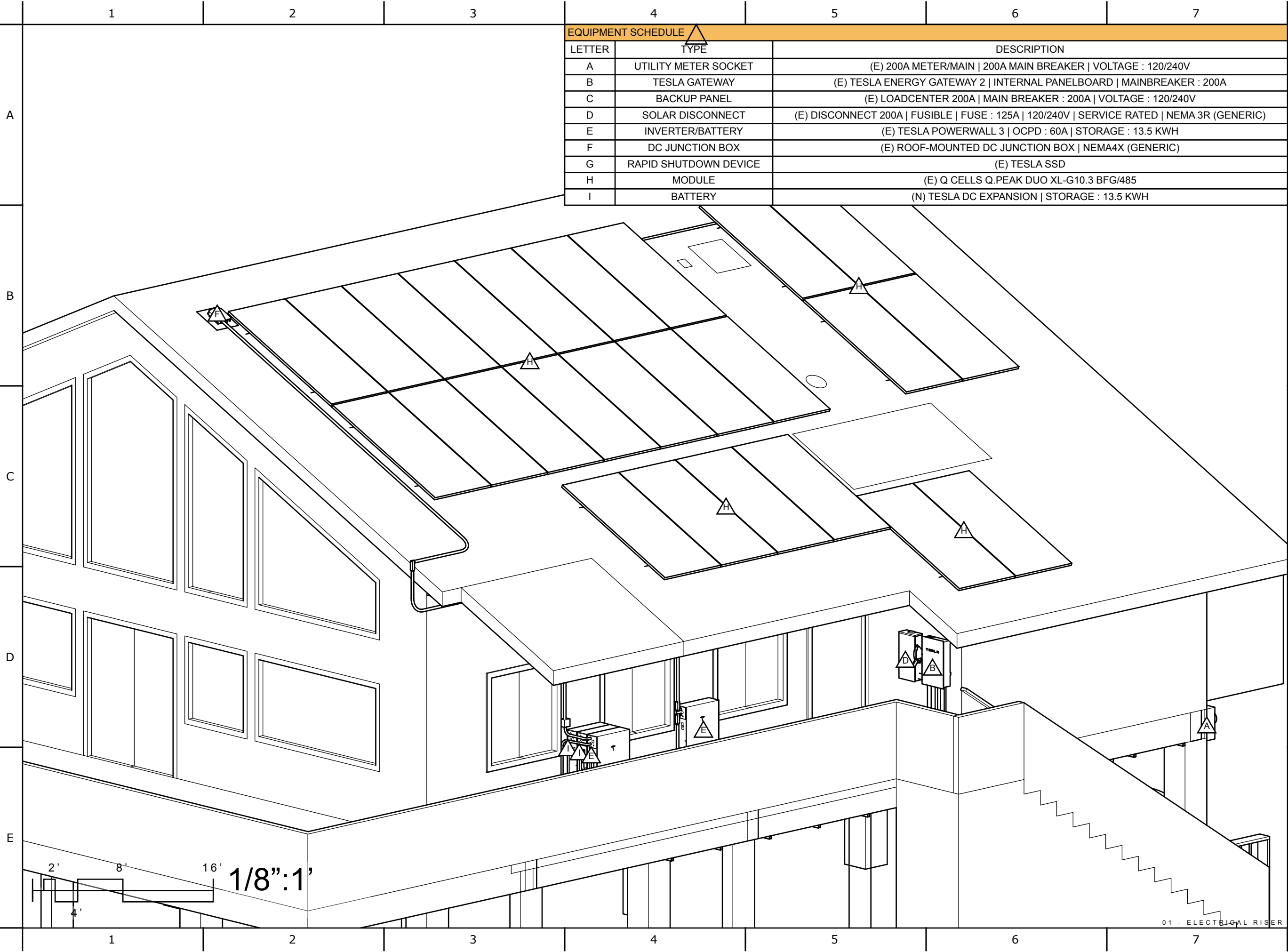
Project Name:
KAREN ZETROUER

Project Address:
1262 SW BLUFF DR
FORT WHITE FL 32038

PAGE TITLE:
GENERAL NOTES

PAGE # :
G01



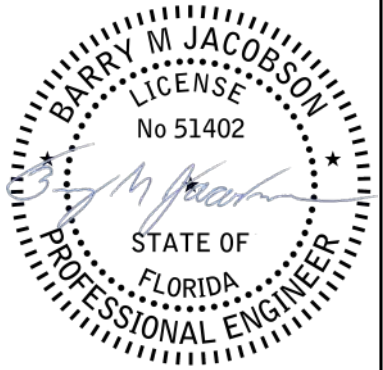


EQUIPMENT SCHEDULE		
LETTER	TYPE	DESCRIPTION
A	UTILITY METER SOCKET	(E) 200A METER/MAIN 200A MAIN BREAKER VOLTAGE : 120/240V
B	TESLA GATEWAY	(E) TESLA ENERGY GATEWAY 2 INTERNAL PANELBOARD MAINBREAKER : 200A
C	BACKUP PANEL	(E) LOADCENTER 200A MAIN BREAKER : 200A VOLTAGE : 120/240V
D	SOLAR DISCONNECT	(E) DISCONNECT 200A FUSIBLE FUSE : 125A 120/240V SERVICE RATED NEMA 3R (GENERIC)
E	INVERTER/BATTERY	(E) TESLA POWERWALL 3 OCPD : 60A STORAGE : 13.5 KWH
F	DC JUNCTION BOX	(E) ROOF-MOUNTED DC JUNCTION BOX NEMA4X (GENERIC)
G	RAPID SHUTDOWN DEVICE	(E) TESLA SSD
H	MODULE	(E) Q CELLS Q.PEAK DUO XL-G10.3 BFG/485
I	BATTERY	(N) TESLA DC EXPANSION STORAGE : 13.5 KWH

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REV#	DATE	REVISION NOTES

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FORT WHITE FL 32038

PAGE TITLE: ELECTRICAL RISER

PAGE #: A02

Powerwall 3 Expansion Technical Specifications

Battery Technical Specifications

Model Number	1807000-xx-y
Nominal Battery Energy	13.5 kWh
Voltage Range	52 – 92 V DC ⁹
⁹ Powerwall 3 Expansion units are connected in parallel and are not field serviceable.	

Environmental Specifications

Operating Temperature	–20°C to 50°C (–4°F to 122°F) ¹⁰
Operating Humidity (RH)	Up to 100%, condensing
Storage Temperature	–20°C to 30°C (–4°F to 86°F), up to 95% RH, non-condensing, State of Energy (SOE): 25% initial
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Rating	NEMA 3R
Ingress Rating	IP67
Pollution Rating	PD3
¹⁰ Performance may be de-rated at operating temperatures above 40°C (104°F).	

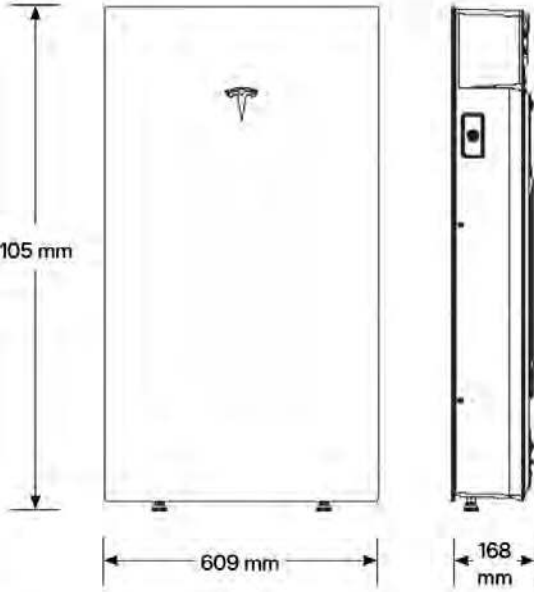
Compliance Information

Certifications	UL 1973, UL 9540
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Mechanical Specifications

Dimensions	1105 x 609 x 168 mm (43.5 x 24 x 6.6 in) ¹¹
Total Weight of Wall-Mounted Expansion Unit	118.5 kg (261.2 lb)
Weight of Expansion Unit	110 kg (242.5 lb)
Weight of Glass Front Cover	6.5 kg (14.5 lb)
Weight of Wall Bracket	1.9 kg (4.2 lb)
Weight of Expansion Accessories	0.7 kg (1.5 lb)
Mounting Options	Floor or wall mount
Stacking Capability (Floor Mount Only)	Up to (3) Expansion units behind a Powerwall 3
Compatibility with Other Systems	Only compatible with Powerwall 3
Connection to Powerwall 3 or Expansions	Powerwall 3 Expansion harness ¹²

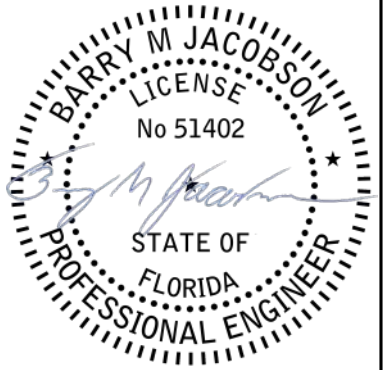
¹¹ These dimensions include the glass front cover being installed on Powerwall 3 Expansion.
¹² The Powerwall 3 Expansion harness is a listed component of the UL 9540 certification.



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