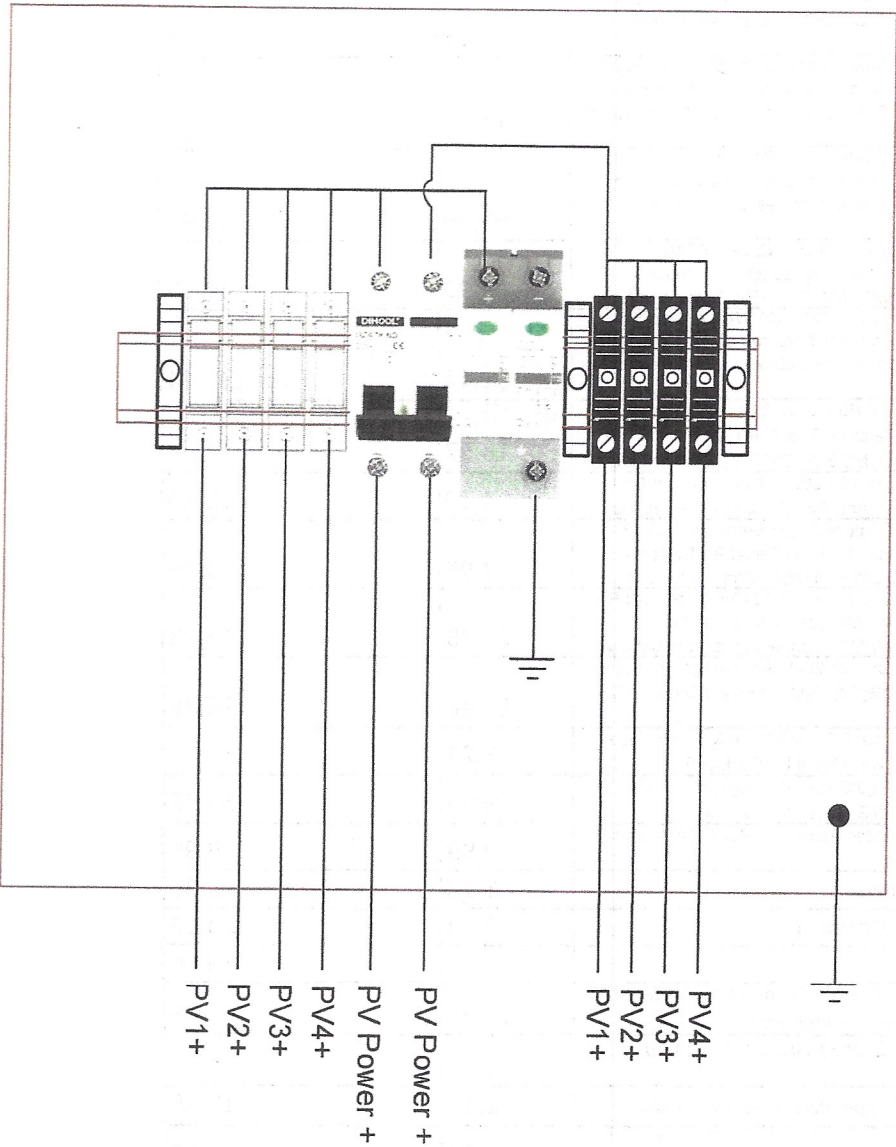


Solar Power for Airport

QTY	Description	Unit Price	Total 400W 100AH
1	Renogy 200W 12V General Off-Grid Solar Kit	234.99	234.99
1	Renogy 1000W 12V Pure Sine Wave Inverter	179.99	179.99
1	Deep Cycle AGM Battery 12V 200AH	369.99	0
1	Deep Cycle AGM Battery 12V 100AH	206.99	206.99
2	Renogy 100W 12v Monocrystalline PV Panel	89.99	179.98
1	Solar Panel Mounting Z Braket Kit	15.29	15.29
2	RoHs Fuse Set (RNG-SET-ANI20-US)	15.99	31.98
1	10A, 120V AC, 1 Pole + Neutral Pole, DIN Rail Mount Miniature Circuit Breaker, Trip Curve: C, UL1053 Recognized (120Vac Supply GFCI)	30.08	30.08
1	7 Day Programmable Timer Relay Digital Timer Switch Heavy Duty THC15A16 On Off for Controlling Street Lamps Neon Lamps Production Equipment, DIN Rail(not Included) (AC110V) (power to sign)	16.99	16.99
1	Charger Station Box for Tesla Gen 3 Wall Connector 27.6" x 20" x 10" Charging Box Cable Organizer Indoor/Outdoor Wall Charger Protection Box Waterproof Dustproof for Tesla Connector (Controller Box)	198.99	198.99
1	VEVOR NEMA Steel Enclosure 12x12x8,NEMA 4X Steel Electrical Box,IP66 Waterproof & Dustproof,Outdoor/Indoor Electrical Junction Box,with Mounting Plate (PV Disconnect Box)	69.99	69.99
1	VEVOR Electrical Enclosure, 20" x 16" x 10", UL Certified NEMA 4 Outdoor Enclosure, IP66 Waterproof & Dustproof Cold-Rolled Carbon Steel Hinged Junction Box for Outdoor Indoor Use, with Rain Hood (Battery Box)	131.44	131.44
1	DC Miniature Circuit Breaker, 2 Pole 500V 80 Amp Isolator for Solar PV System, Thermal Magnetic Trip, DIN Rail Mount, High Current DC Disconnect Switch MCB 2P C100 (Battery to inverter)	18.57	18.57
10	luxcell Ceramic Cartridge Fuses 10A 500V 10x38mm Fast Blow Replacement for Stereo Alarm Amplifier Ceramic Fuses 20pcs	1.29	12.89
1	30 Amp 12V-400V AC DC Miniature Circuit Breakers (10A 15A 20A 25A 40A 50A 60A Optional) for Solar Panel PV System - Disconnect Switch, AC 110V DIN Rail MCB (Charger to batteries)	13.99	13.99
1	AC Miniature Circuit Breaker, 40 Amp 120V/240V 2 Pole DIN Rail Mount Circuit Breaker, Thermal Magnetic Trip, Solar AC Disconnect Switch MCB C40 (PV Disconnect breaker to battery)	12.78	12.78
1	2-Pole Surge Protective Device with 20-40 Ka Voltage Protection and 500 VDC Arrester for Protecting Against Power Surges - CHLT 40PV (PV Disconnect)	16.86	16.86
5	Baomain Cylindrical Fuse Holder RT18-32(X) 10 X 38mm Fuse Base Single Pole 35mm DIN Rail Mount UL Pack of 5	3.21	15.99
2	Dinkle Assembly Kit DK10N Red/Black 10 Gang with Jumpers DIN Rail Terminal Blocks, 6-20 AWG, 60 Amp, 600 Volt	29.99	59.98
1	ICI T&G 2 Pieces DIN Rail Slotted Aluminum RoHS 12" Inches Long 35mm Wide 7.5mm High	9.99	9.99
2	PVC Elbows 90 degree	1.18	2.36
3	PVC 1/2" Elelctrical Conduit	7.98	23.94
2	Myers Hubs, 1/2"	7.98	15.96
1	Grounding Rods, 0.625-in Diameter, 96-in Length, UL Listed, Meets National Electric Code Requirements	16.68	16.68
1	Sigma ProConnex 5/8-in Bronze Grounding Clamp Conduit Fittings	3.27	3.27
6	4-Gauge Solid Soft Drawn Copper Bare Wire (By-the-Foot)	2.13	12.78
1	10 Pcs 7/8" DIN Rail Terminal Blocks End Stopper Bracket Fit for 35mm Width Rail - Gray	10.99	10.99
	SUB		1543.74
	TX		115.7805
	Total		1659.5205

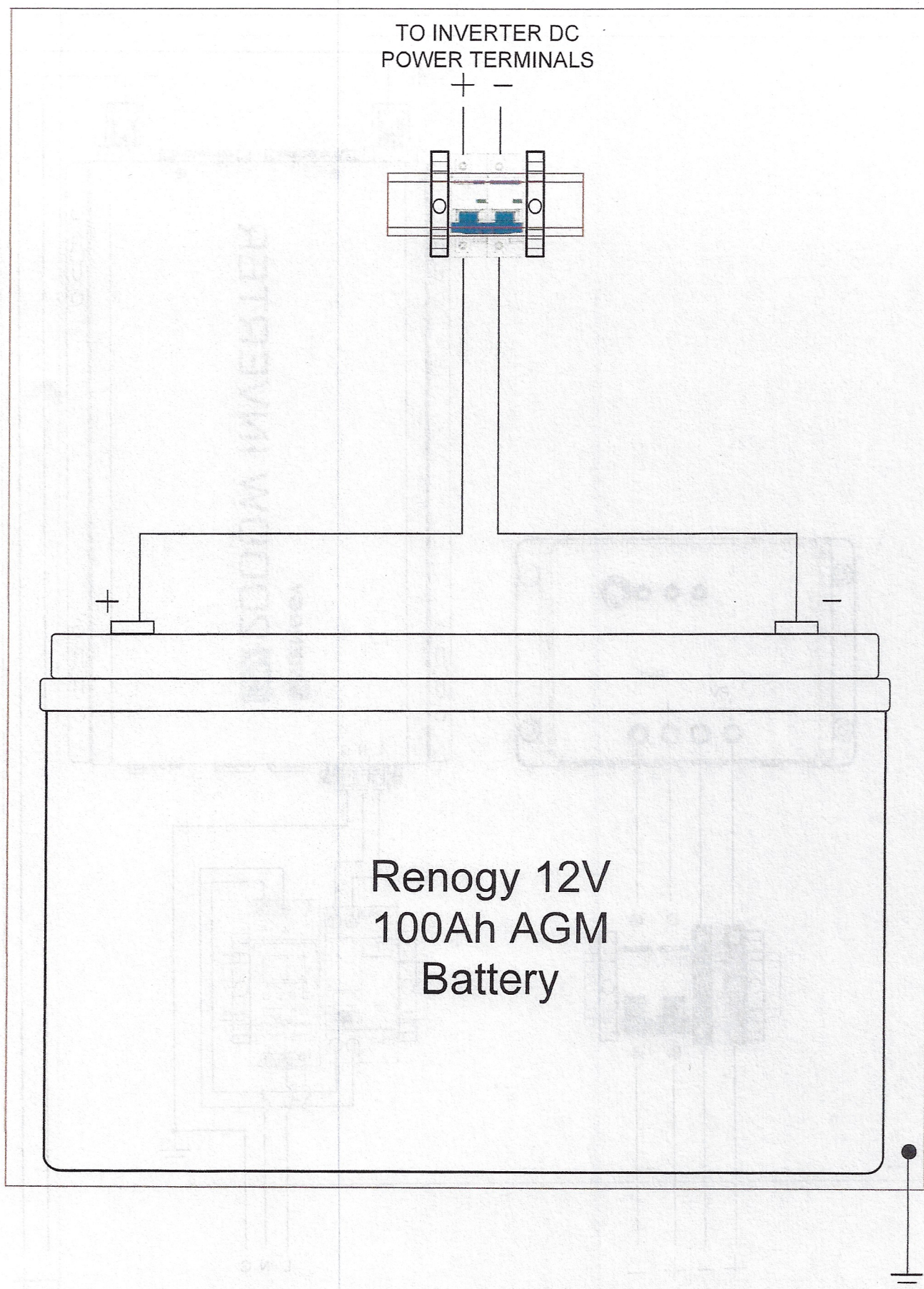
Solar PV Combiner Box

Item	Qty	Manufacturer	Part#	Description
1	2	International Connector	D357A11-305	DIN Rail Slotted Aluminum RoHS 35mm Wide 7.5mm High
2	5	Aerexier	E/UK	DIN Rail Terminal Blocks End Stopper Bracket Fit for 35mm Width Rail - Gray
3	4	Dinkle	DK10N	Black, DIN Rail Terminal Blocks, 6-20 AWG, 60 Amp, 600 Volt
4	1	Vevor	SPT RAL7035	Steel Enclosure 12×12×8,NEMA 4X Steel Electrical Box,IP66
5	4	Baomain	RT18-32(X)	Fuse Holder 10 X 38mm, Single Pole 35mm DIN Rail Mount UL
6	1	Vomeko	CHLT-40PV	Surge Protective Device,500 VDC Arrester
7		Chtaixi	MCB 40	Circuit Breaker, 40 Amp 120V/240V 2 Pole DIN Rail
8				



DWG STATUS	CREATED		APPROVED				P.LIST (REV. 1)		TRI-COUNTY AIRPORT PV COMBINER PANEL DETAIL	REVISION ORDER		
	BY	DATE	BY	DATE	BY	DATE	CONSTRUCTION YR	BY		DATE	ASBUILT DWG. NO.	
PRELIM							DESIGN	F. ACUFF		04/09/2024		
BID							DRAWN	F. ACUFF		04/09/2024		
CONSTR.							ASBUILT	F. ACUFF		04/09/2024		
CADD	PLOT DATE						FILE NO.					
	FILE NAME						SCALE					
										CONSTRUCTION DWG. NO.		
										REV. NO.		
										SHEET 1 OF 1	04/09/24	

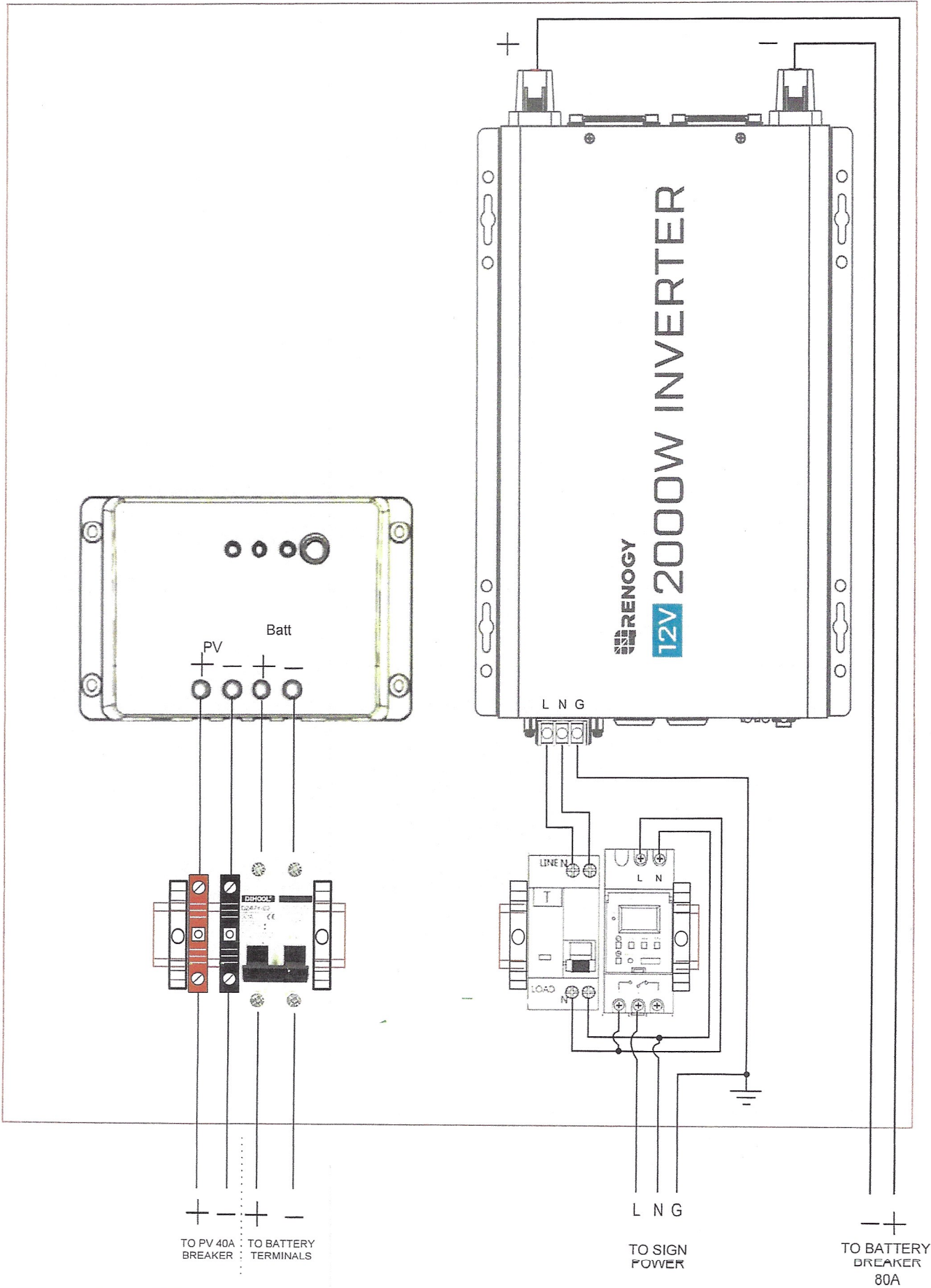
Item	Qty	Manufacturer	Part#	Description
1	2	International Connector	D357A11-305	DIN Rail Slotted Aluminum RoHS 35mm Wide 7.5mm High
2	1	Aerexier	E/UK	DIN Rail Terminal Blocks End Stopper Bracket Fit for 35mm Width Rail - Gray
3	1	Automation Systems Interconnect	NDB1L-32C10	2 Pole 500V 80 Amp, Thermal Magnetic Trip, DIN Rail Mount,
4	1	Vevor	ST5425	Electrical Enclosure, 20" x 16" x 10", UL Certified NEMA 4
5				



DWG. STATUS	CHECKED		APPROVED				P.LISTA <small>PROJECT NO.</small>	TRI-COUNTY AIRPORT BATTERY ENCLOSURE PANEL DETAIL	AFEWK ORDER	
	BY	DATE	BY	DATE	BY	DATE	CONSTRUCTION YR		ASBLT DWG. NO.	
PRELY							BY		DATE	
BID							DESIGN		F. ACUFF	04/09/2024
							DRAWN		F. ACUFF	04/09/2024
CONSTR.							ASBLT		F. ACUFF	04/09/2024
							FILE NO.			
CADD	PLOT DATE						SCALE		REV. NO.	
	FILE NAME								SHEET 1 OF 1	04/09/24

SOLAR CHARGE CONTROLLER ENCLOSURE

Item	Qty	Manufacturer	Part#	Description
1	2	International Connector	D357A11-305	DIN Rail Slotted Aluminum RoHS 35mm Wide 7.5mm High
2	1	Dinkle	DK10N	Red , DIN Rail Terminal Blocks, 6-20 AWG, 60 Amp, 600 Volt
3	1	Dinkle	DK10N	Black, DIN Rail Terminal Blocks, 6-20 AWG, 60 Amp, 600 Volt
4	1	DIHOOL	DZ47X-63	30 Amp, 12V-400V, Circuit Breakers, DIN Rail
5	1	Automation Systems Interconnect	NDB1L-32C10	10A, 120V AC, 1 Pole + Neutral Pole, DIN Rail GFCI UL1053 Recognized
6	1	Walfront	THC15A16	7 Day Programmable Timer Relay Digital Timer, DIN Rail, AC110V
7	1	Renogy	RNG-INVT-1000-12V-P2-US	Renogy 1000W 12V Pure Sine Wave Inverter
8	1	Renogy	RNG-CTRL-WND30-LI-US	Wanderer Li 30A PWM Charge Controller
9	1	Yeaborn	QCCDX70x50x25	Controller Box Box for Tesla Gen 3 Wall Connector 27.6" x 20" x 10"
10				
11				
12				



DWG STATUS	CHECKED		APPROVED				PL/STA ACCT. NO.		CONSTRUCTION YR	REV	DATE	DWG. NO.
	BY	DATE	BY	DATE	BY	DATE						
PRELY							DESIGN		F. ACUFF	04/09/2024		ASSULT DWG. NO.
BID							DRAWN		F. ACUFF	04/09/2024		CONSTRUCTION DWG. NO.
CONSTR.							ASSUILT		F. ACUFF	04/09/2024		
CADDIS	PLOT DATE						FILE NO.					REV. NO.
	FILE NAME						SCALE					SHEET 1 OF 1
TRI-COUNTY AIRPORT CHARGE CONTROLLER PANEL DETAIL												04/09/24

TRI-COUNTY AIRPORT
CHARGE CONTROLLER
PANEL DETAIL

DWG. NO.	
ASSULT DWG. NO.	
CONSTRUCTION DWG. NO.	
REV. NO.	
04/09/24	