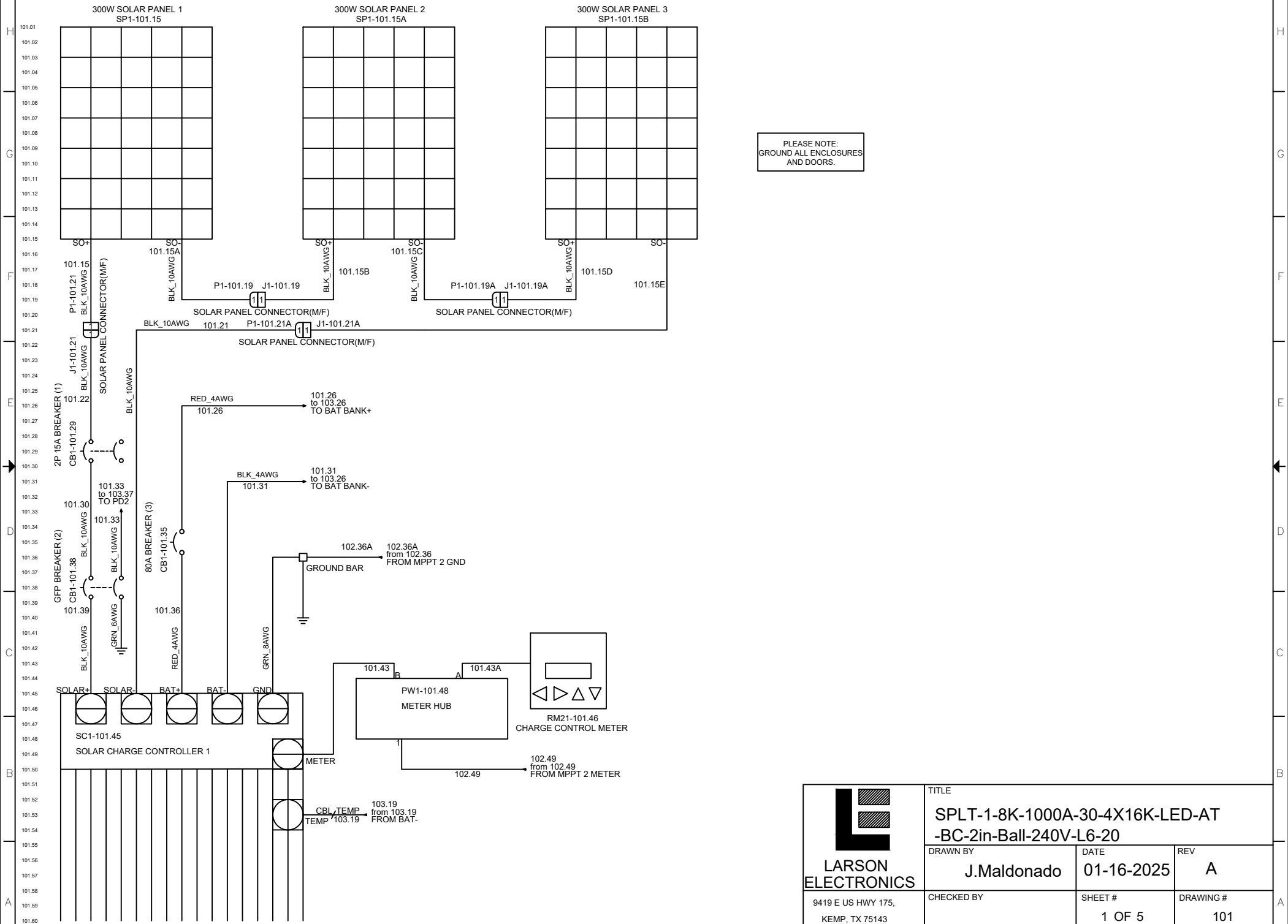
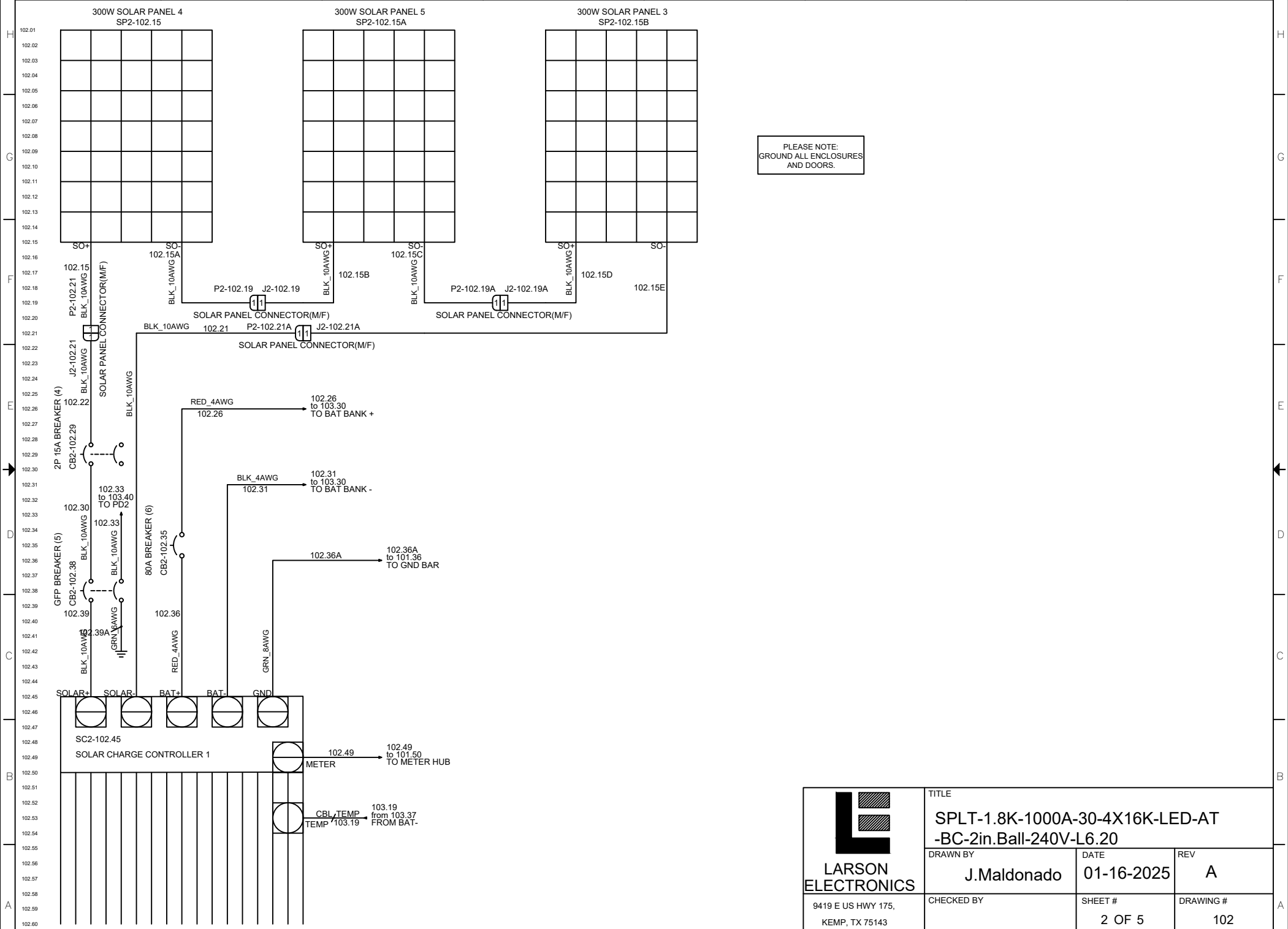
REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	01-16-2025

SPLT-1.8K-1000A-30-4X16K-LED-AT-BC-2in.Ball-240V-L6.20

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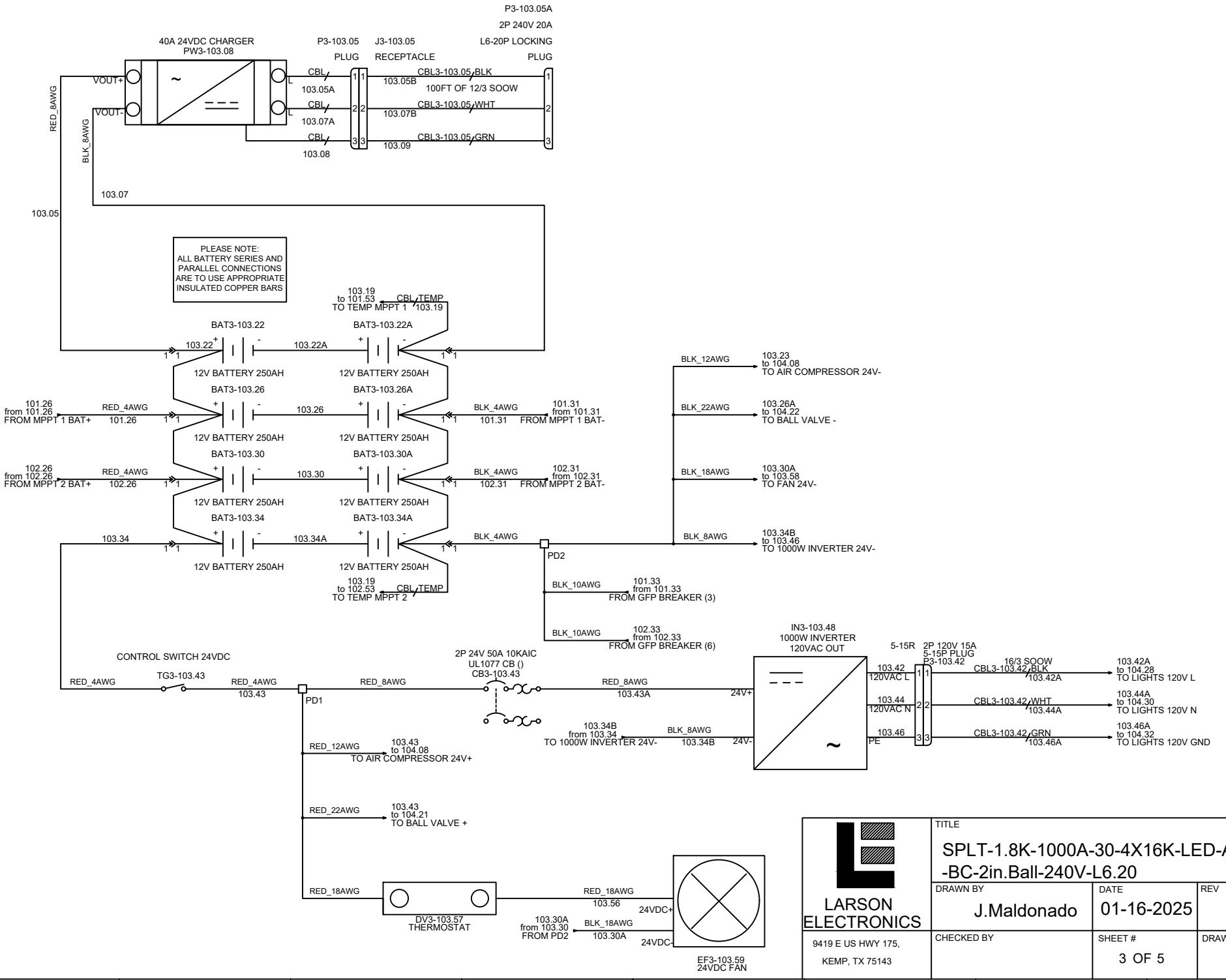
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	DRAWN BY: J.Maldonado	DATE: 01-16-2025	REV: A
	CHECKED BY:	SHEET #: 1 OF 5	DRAWING #: 101



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9419 E US HWY 175,
KEMP, TX 75143

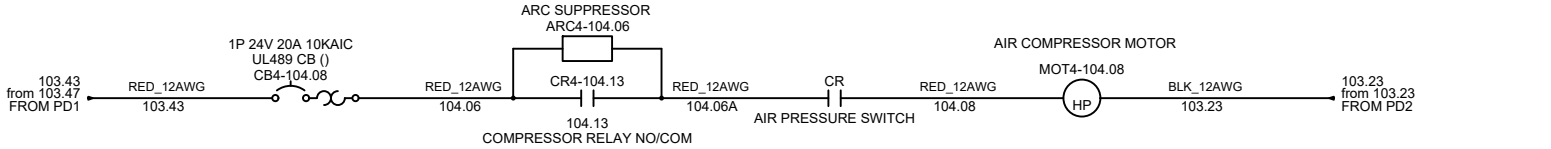
TITLE			
SPLT-1.8K-1000A-30-4X16K-LED-AT -BC-2in.Ball-240V-L6.20			
DRAWN BY	J.Maldonado	DATE	01-16-2025	REV	A
CHECKED BY		SHEET #	2 OF 5	DRAWING #	102

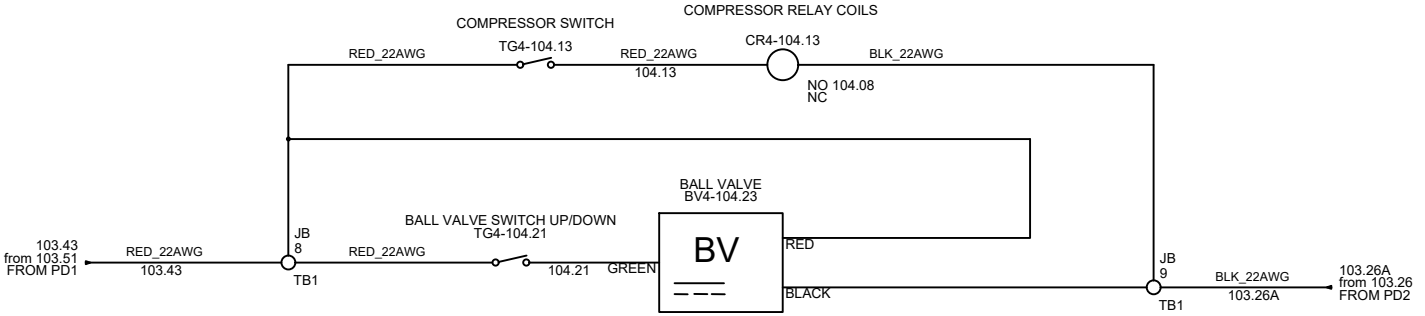


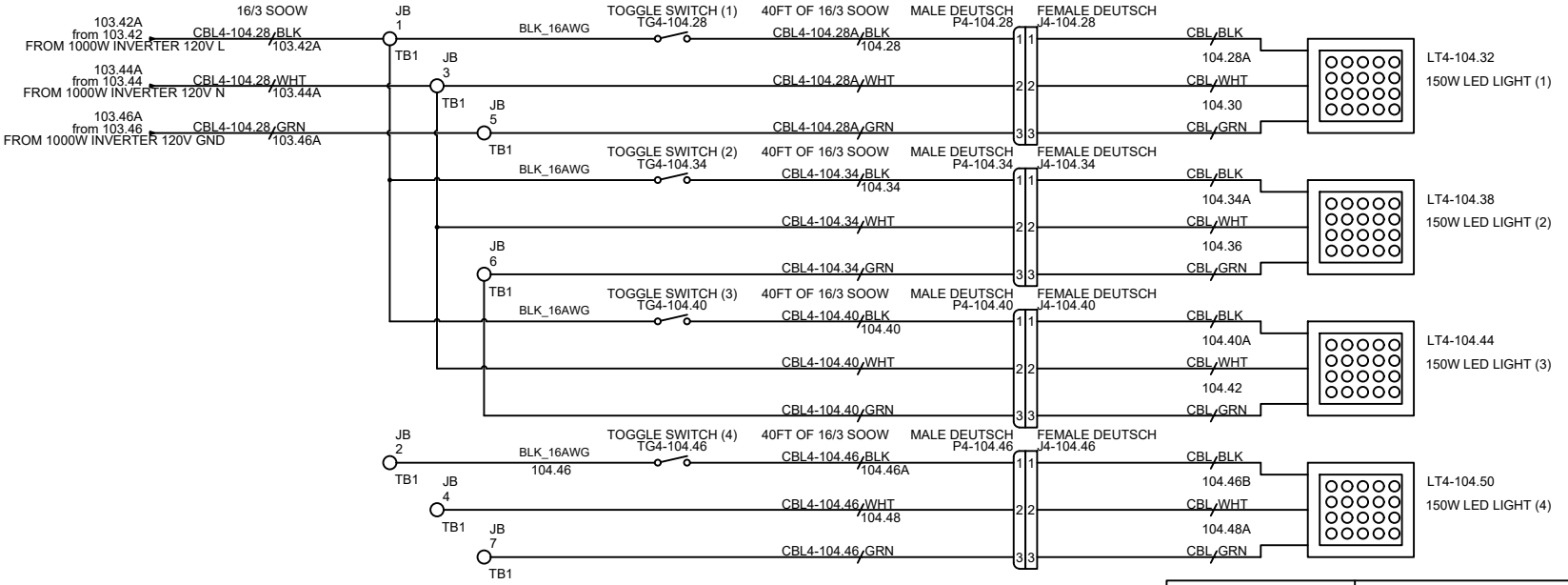
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9419 E US HWY 175,
KEMP, TX 75143

TITLE			
SPLT-1.8K-1000A-30-4X16K-LED-AT-BC-2in.Ball-240V-L6.20			
DRAWN BY	DATE	REV	
J.Maldonado	01-16-2025	A	
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	3 OF 5	103	







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9419 E US HWY 175,
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TITLE: SPLT-1.8K-1000A-30-4X16K-LED-AT-BC-2in.Ball-240V-L6.20

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J.Maldonado	01-16-2025	A
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	4 OF 5	104

TAGS	QTY	CATALOG	DESCRIPTION
BAT3-103.22 BAT3-103.22A BAT3-103.26 BAT3-103.26A BAT3-103.30 BAT3-103.30A BAT3-103.34 BAT3-103.34A	8	UNV00009854	250AH 12V SLA BATTERY
J4-104.28 J4-104.34 J4-104.40 J4-104.46	4	UNV00005477	DT 3WAY RECEPTACLE
P4-104.28 P4-104.34 P4-104.40 P4-104.46	4	UNV00005481	DT 3WAY PLUG
J1-101.21A J2-102.21A P1-101.19 P1-101.19A P1-101.21 P2-102.19 P2-102.19A P2-102.21	8	UNV00001349	SOLAR PANEL CONNECTOR -MALE
P3-103.05A	1	UNV00011428	250V 20A L6-20P LOCKING PLUG
P3-103.42	1	UNV00006731	PLUG , STRAIGHT BLADE 15A, 125V NEMA 5-15
J1-101.19 J1-101.19A J1-101.21 J2-102.19 J2-102.19A J2-102.21 P1-101.21A P2-102.21A	8	UNV00001350	SOLAR PANEL CONNECTOR- FEMALE
CB1-101.35 CB2-102.35	2	UNV00018054	Circuit Breaker 80A 48VDC IP67
CB1-101.29 CB2-102.29	2	UNV00021365	2P 240V 15A UL489 10KAIC DIN RAIL MOUNTED CIRCUIT BREAKER
CB3-103.43	1	UNV00015154	2P 240V 50A 10KAIC UL1077 DIN RAIL MOUNT BREAKER
CB4-104.08	1	UNV00017491	1P 120V/240V 20A 10KAIC UL489 DIN RAIL MOUNT CIRCUIT BREAKER
CB1-101.38 CB2-102.38	2	UNV00021370	63 Amp 150VDC 10KAIC Din Rail Mount DC Ground Fault Protector
CR4-104.13	1	UNV00021369	POWER RELAY, TYPE RPF, COIL 24VDC, 2 FORM C , SWITCH CAPACITY MIN. 100mA, MAX. 7200VA
EF3-103.59	1	UNV00011964	12" 24V Reversible Electric Fan
RM21-101.46	1	UNV00001332	DIGITAL CHARGE CONTROL METER
ARC4-104.06	1	UNV00015898	ARC SUPPRESION RC EMI FILTER - 250VAC/DC 47OHM / 0.1uF
SP1-101.15 SP1-101.15A SP1-101.15B SP2-102.15 SP2-102.15A SP2-102.15B	6	UNV00005453	300W Solar Panel
SC1-101.45 SC2-102.45	2	UNV00006003	SOLAR CHARGE CONTROLLER 60 AMP UP TO 150 VDC INPUT, 12-48 VOLTS. 12V-800 WATTS
DV3-103.57	1	UNV00009886	10A 120V VENTAMATIC REPLACEMENT THERMOSTAT
IN3-103.48	1	RBP100024VCRT	Pure Sine Wave Inverter 1000Watt 24V DC to 120V AC Power Converter
LT4-104.32 LT4-104.38 LT4-104.44 LT4-104.50	4	UNV00008018	150W STADIUM LIGHT 120-277V 5K
MOT4-104.08	1	UNV00009888	24V DC 13A 450C ELECTRIC AIR COMPRESSOR
PW1-101.48	1		METER HUB FOR MORNING STAR TriStar MPPT
PW3-103.08	1		40A 24V (110~220Vac) Power Supply Converter
TG4-104.13 TG4-104.21	2	UNV00013983	Selector switch, 22mm, 2-position, maintained, (1) N.O. contact(s), metal base, metal bezel, Operator: black, knob, 30mm, round, plastic.
TG4-104.28 TG4-104.34 TG4-104.40 TG4-104.46	4	UNV00014856	TOGGLE SWITCH 10A
TG3-103.43	1	UNV00014267	300A CONTROL/DISCONNECT SWITCH
PD1 PD2	2	UNV00015084	POWER DISTRIBUTION BLOCK 175A 600V 1-4 OPENING
TB1	3	UNV00013974	FEED THROUGH 4 TERMINAL BLOCK-GREY-SCREWLESS
TB1	3	UNV00013975	FEED THROUGH 4 TERMINAL BLOCK-BLUE-SCREWLESS
TB1	3	UNV00013989	FEED THROUGH 2 POINT TERMINAL BLOCK-GREEN SCREWLESS
GROUND BAR	1	UNV00013942C	GROUND BAR KIT 14 AWG TO 4 AWG
BV4-104.23	1	UNV00014871	1/2" Brass 3 Way Electric Ball Valve -
CBL3-103.05	1	UNV00002908	12/3 SOOW CABLE
CBL3-103.42 CBL4-104.28 CBL4-104.28A CBL4-104.34 CBL4-104.40 CBL4-104.46	6	UNV00007524	16/3 SOOW CABLE

TB1 (JOB BOX)

Device1	Wire1	Type1	Number	Manufacturer	Catalog	Type2	Wire2	Device2	Jumper
P3-103.42	103.42A	BLK_16AWG	1	PHEONIX CONTACT	UNV00013974	BLK_16AWG	103.42A	TG4-104.28	
TG4-104.34	103.42A	BLK_16AWG							
TG4-104.46	104.46	BLK_16AWG	2	PHEONIX CONTACT	UNV00013974				
P3-103.42	103.44A	WHT_16AWG	3	PHEONIX CONTACT	UNV00013975	WHT_16AWG	103.44A	P4-104.28	
P4-104.34	103.44A	WHT_16AWG							
P4-104.46	104.48	WHT_16AWG	4	PHEONIX CONTACT	UNV00013975				
P3-103.42	103.46A	GRN_16AWG	5	PHEONIX CONTACT	UNV00013989	GRN_16AWG	103.46A	P4-104.28	
P4-104.34		GRN_16AWG	6	PHEONIX CONTACT	UNV00013989	GRN_16AWG		P4-104.40	
P4-104.46		GRN_16AWG	7	PHEONIX CONTACT	UNV00013989				
CB4-104.08	103.43	RED_12AWG	8	PHEONIX CONTACT	UNV00013974	RED_22AWG	103.43	DV3-103.57	
BV4-104.23	103.43	RED_22AWG				RED_22AWG	103.43	TG4-104.21	
MOT4-104.08	103.34B	BLK_12AWG	9	PHEONIX CONTACT	UNV00013975	BLK_22AWG	103.26A	BV4-104.23	
PD2	103.34B	BLK_22AWG				BLK_22AWG	103.26A	CR4-104.13	

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J.Maldonado	01-16-2025	A
CHECKED BY	SHEET #	DRAWING #
	5 OF 5	105