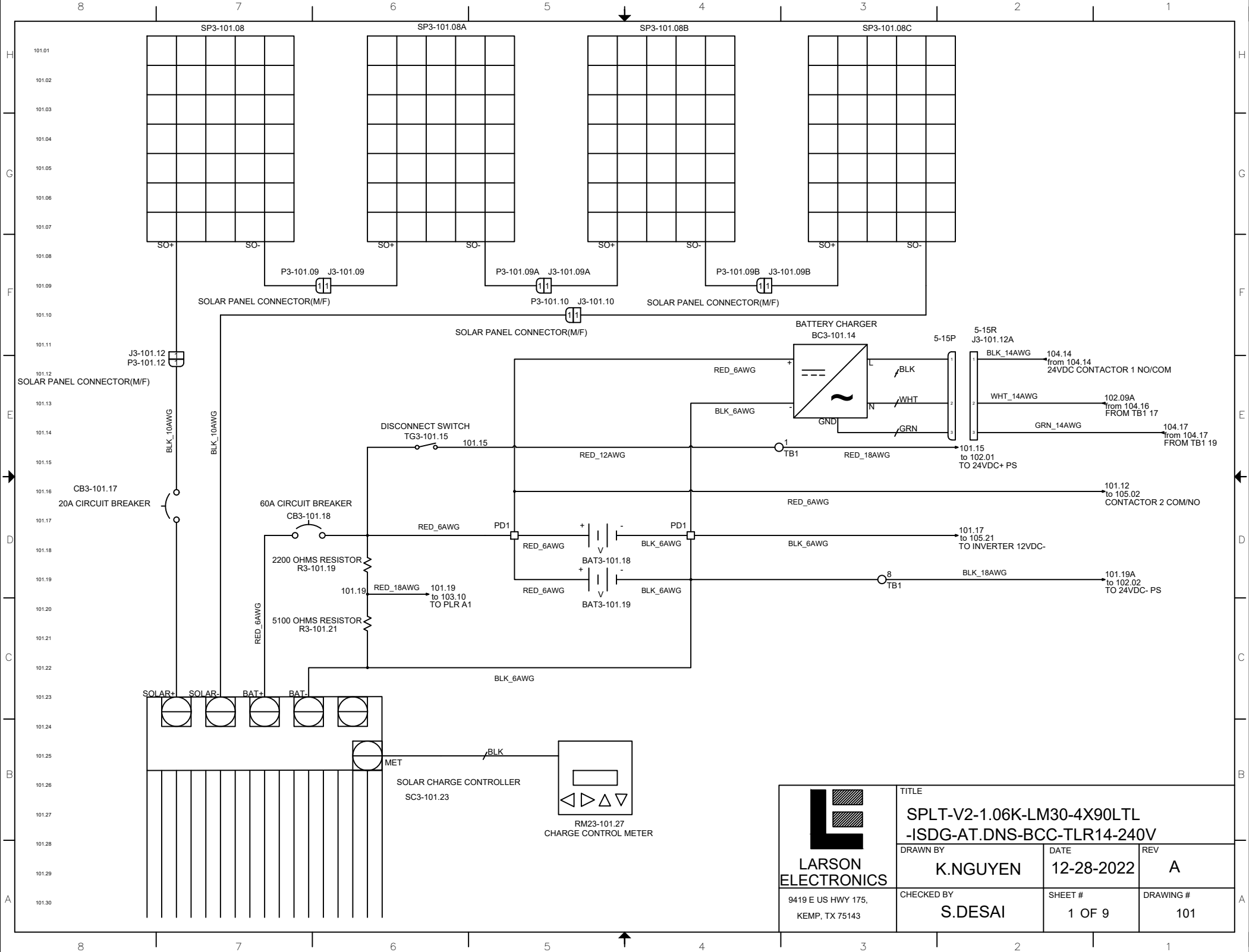
REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	12/22/2022

SPLT-V2-1.06K-LM30-4X90LTL-ISDG-AT.DNS-BCC-TLR14-240V

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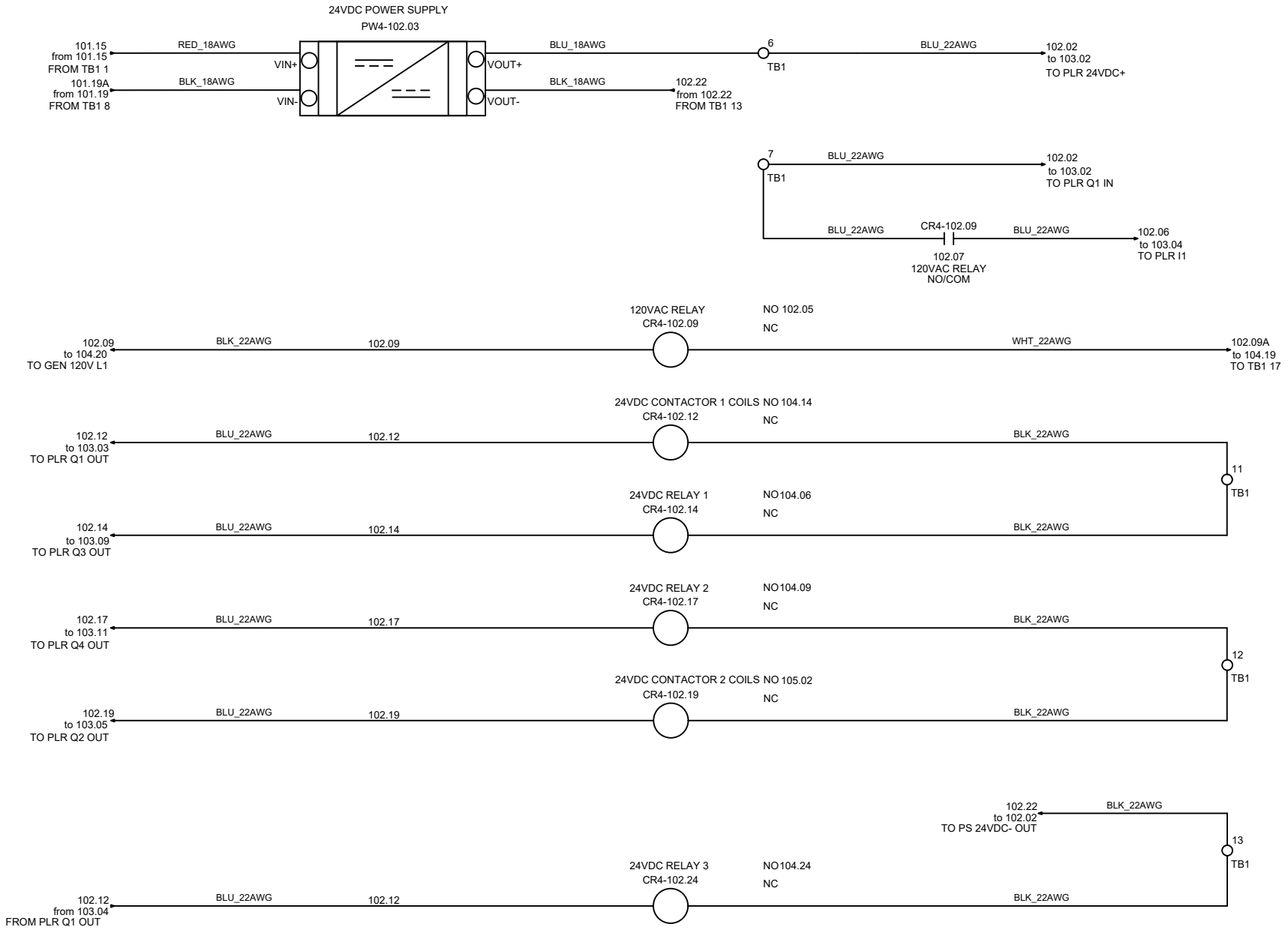
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9419 E US HWY 175,
KEMP, TX 75143

TITLE

SPLT-V2-1.06K-LM30-4X90LTL
-ISDG-AT.DNS-BCC-TLR14-240V

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K.NGUYEN	12-28-2022	A
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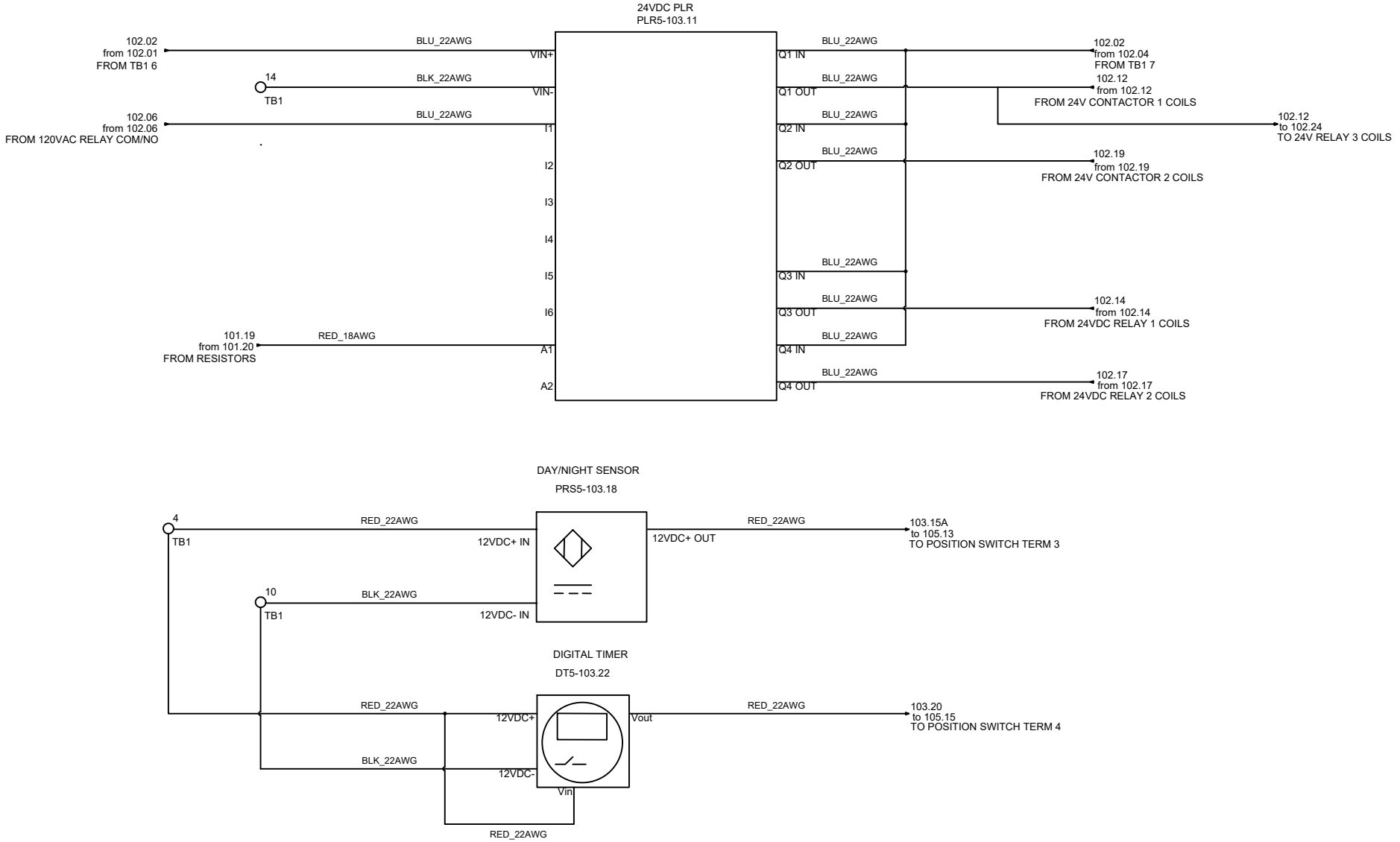
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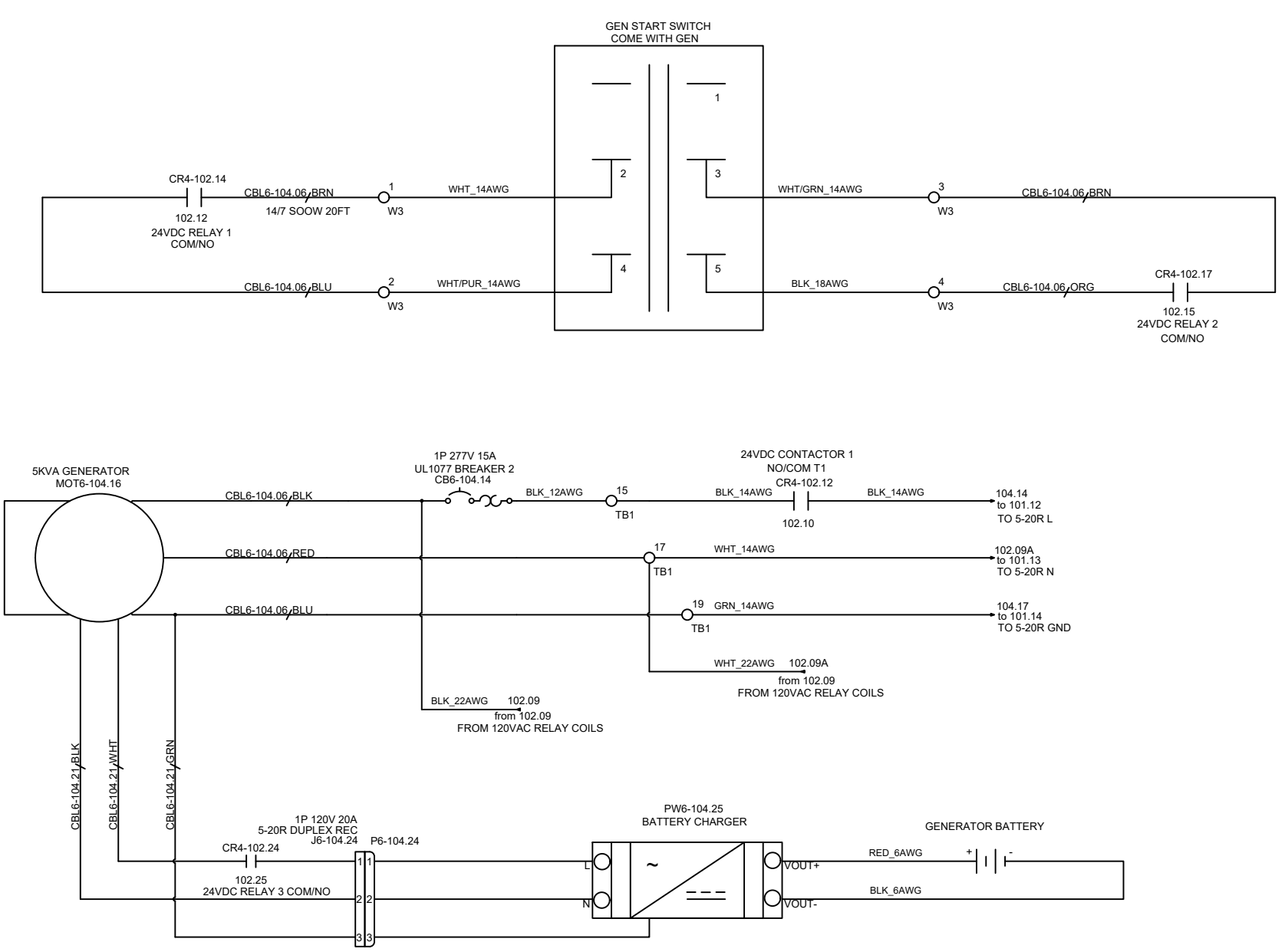
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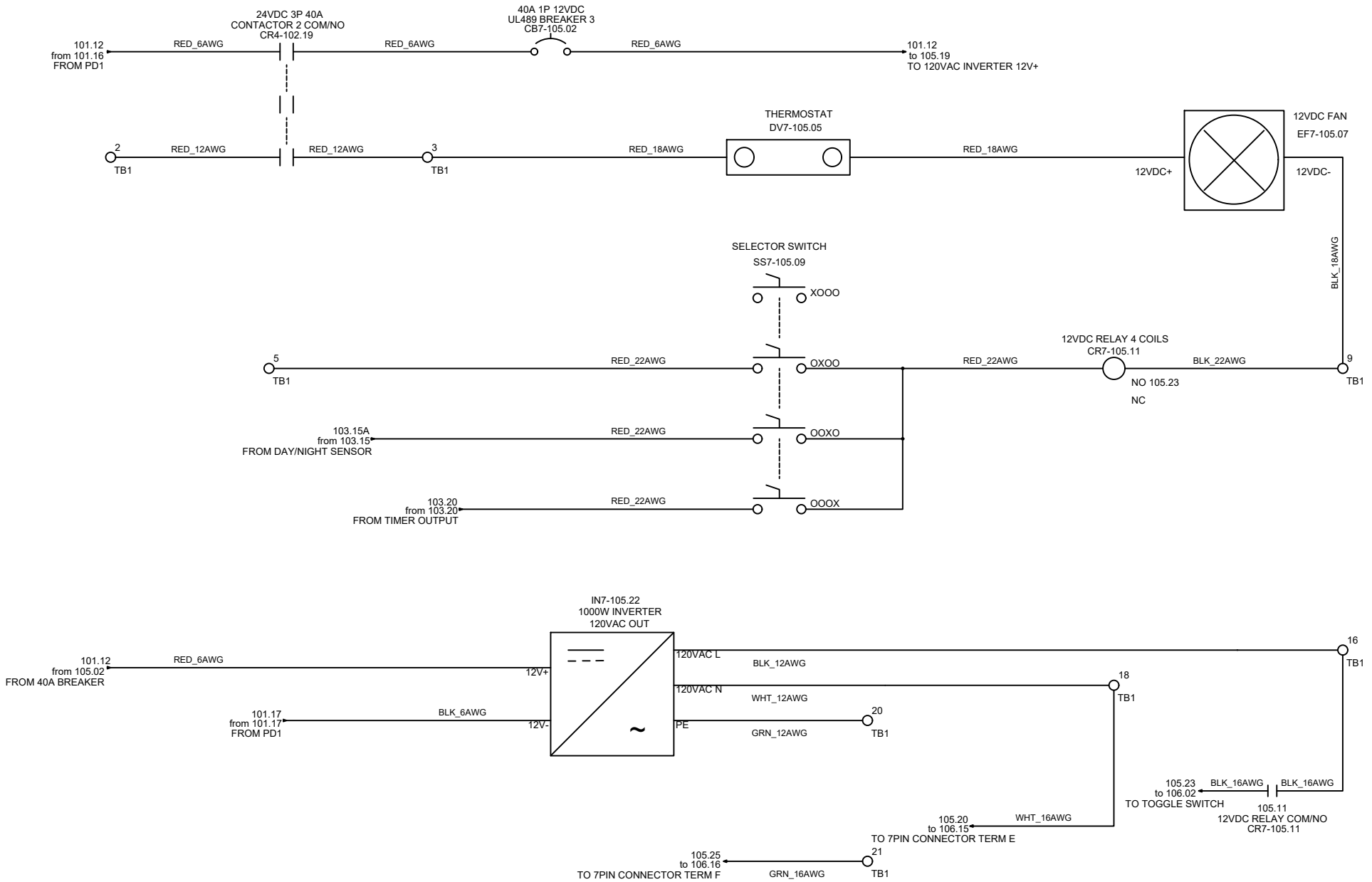
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TITLE			
SPLT-V2-1.06K-LM30-4X90LTL -ISDG-AT.DNS-BCC-TLR14-240V			
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	DRAWN BY: K.NGUYEN	DATE: 12-28-2022	REV: A
	CHECKED BY: S.DESAI	SHEET #: 4 OF 9	DRAWING #: 104



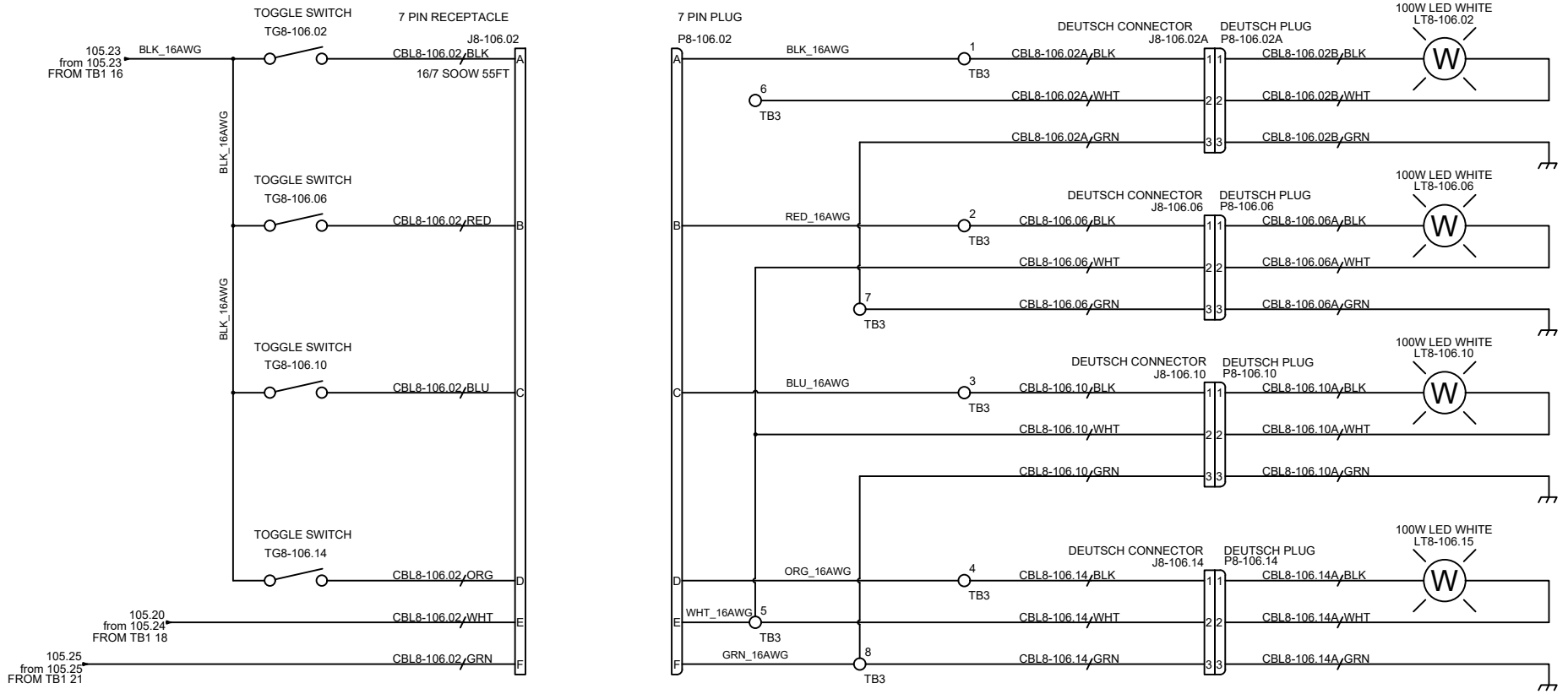
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TITLE

SPLT-V2-1.06K-LM30-4X90LTL
-ISDG-AT.DNS-BCC-TLR14-240V

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	DRAWN BY: K.NGUYEN	DATE: 12-28-2022	REV: A
	CHECKED BY: S.DESAI	SHEET #: 6 OF 9	DRAWING #: 106

TB1													
Device1	Pin1	Wire1	Type1	T1	Number	Location	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Jumper
TG1-101.15			RED_12AWG		1	1	PHOENIX CONTACT	UNV00013971	RED_18AWG				
CR			RED_12AWG		2	5	PHOENIX CONTACT	UNV00013974					
CR			RED_12AWG		3	5	PHOENIX CONTACT	UNV00013974	RED_12AWG			DV7-105.05	
PRS5-103.18	12VDC+ IN		RED_20AWG		4	3	PHOENIX CONTACT	UNV00013971	RED_20AWG		12VDC+	DT5-103.22	
			RED_20AWG		5	5	PHOENIX CONTACT	UNV00013971					
			BLU_20AWG		6	2	PHOENIX CONTACT	UNV00013974	BLU_20AWG		VIN+	PLR5-103.15	
PLR5-103.15	Q1 IN		BLU_20AWG		7	2	PHOENIX CONTACT	UNV00013974	BLU_20AWG			CR4-102.07	
R1-101.21			BLK_6AWG		8	1	PHOENIX CONTACT	UNV00013970	BLK_6AWG		-	BAT1-101.19	
			BLK_18AWG										
			BLK_18AWG		9	5	PHOENIX CONTACT	UNV00013975	BLK_20AWG			CR7-105.11	
PRS5-103.18	12VDC+ OUT		BLK_20AWG		10	3	PHOENIX CONTACT	UNV00013970	BLK_20AWG		12VDC-	DT5-103.22	
CR4-102.09			BLK_20AWG		11	2	PHOENIX CONTACT	UNV00013975	BLK_20AWG			CR4-102.12	
CR4-102.14			BLK_20AWG		12	2	PHOENIX CONTACT	UNV00013975	BLK_20AWG			CR4-102.17	
			BLK_18AWG		13	2	PHOENIX CONTACT	UNV00013975	WIRES			CR4-102.24	
PLR5-103.15	VIN-		WIRES		14	3	PHOENIX CONTACT	UNV00013975					
CB6-104.14			BLK_12AWG		15	4	PHOENIX CONTACT	UNV00013974	BLK_14AWG			CR4-102.09	
IN7-105.22	120VAC L		BLK_12AWG		16	5	PHOENIX CONTACT	UNV00013974	BLK_16AWG			CR7-105.11	
CR4-102.07		102.07A	WHT_20AWG		17	4	PHOENIX CONTACT	UNV00013975	WHT_12AWG			MOT6-104.16	
			WHT_14AWG										
IN7-105.22	120VAC N		WHT_12AWG		18	5	PHOENIX CONTACT	UNV00013974	WIRES		E	J8-106.02	
J6-104.24	3		WIRES		19	4	PHOENIX CONTACT	UNV00013989	GRN_12AWG			MOT6-104.16	
			GRN_14AWG										
IN7-105.22	PE		GRN_12AWG		20	5	PHOENIX CONTACT	UNV00013989					
J8-106.02	F		WIRES		21	5	PHOENIX CONTACT	UNV00013989					

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TB3													
Device1	Pin1	Wire1	Type1	T1	Number	Location	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Jumper
P8-106.02	A		BLK_16AWG		1	6	PHOENIX CONTACT	UNV0001397 4	BLK_6AWG		1	J8-106.02A	
P8-106.02	B		RED_16AWG		2	6	PHOENIX CONTACT	UNV0001397 4	BLK_6AWG		1	J8-106.06	
P8-106.02	C		BLU_16AWG		3	6	PHOENIX CONTACT	UNV0001397 4	BLK_6AWG		1	J8-106.10	
P8-106.02	D		BLK_16AWG		4	6	PHOENIX CONTACT	UNV0001397 4	BLK_6AWG		1	J8-106.14	
J8-106.10	2		WHT_16AWG		5	6	PHOENIX CONTACT	UNV0001397 5	WHT_16AWG		E	P8-106.02	
J8-106.14	2		WHT_16AWG										
J8-106.02A	2		WHT_16AWG		6	6	PHOENIX CONTACT	UNV0001397 5					
J8-106.02A	3		BLK_6AWG		7	6	PHOENIX CONTACT	UNV0001398 9	BLK_6AWG		3	J8-106.06	
J8-106.10	3		BLK_6AWG		8	6	PHOENIX CONTACT	UNV0001398 9	GRN_16AWG		F	P8-106.02	
J8-106.14	3		BLK_6AWG										

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TAGS	QTY	CATALOG	DESCRIPTION
BAT3-101.18 BAT3-101.19	2	UNV00009854	80 BATTERIES 12V 250AH
J8-106.02	1	UNV00002324	7 PIN CONNECTOR- RECEPTACLE
P8-106.02	1	UNV00002338	7 PIN CONNECTOR PLUG
J6-104.24	1	UNV00014533	5-20R GFCI 125/250V 20A
P3-101.09 P3-101.09A P3-101.09B P3-101.10 P3-101.12	5	UNV00001349	SOLAR CONNECTOR MALE
J3-101.09 J3-101.09A J3-101.09B J3-101.10 J3-101.12	5	UNV00001350	SOLAR CONNECTOR FEMALE
J3-101.12A	1	UNV00012694	20A 120V DUPLEX RECEPTACLE
CB3-101.17	1	UNV00001347	CIRCUIT BREAKER, 20A 150VDC, 1-POLE, DIN MOUNT,
CB3-101.18	1	UNV00001791	60AMP 12-48VDC BREAKER
CB6-104.14	1	UNV00015143	15A 1P 277 UL 1077 BREAKER
CB7-105.02	1	UNV00018427	UL489 1P 120/240V 40A DINRAIL CIRCUIT
CR4-102.19	1	UNV00016564	24VDC COILS CONTACTOR 3P 40A
CR4-102.14 CR4-102.17 CR4-102.24	3	UNV00013952	General Purpose Relays 24VDC FLNGMT DPST-NO RoHS Compliant
CR4-102.09	1	UNV00018363	120V COILS RELAY 30A DPST DIN RAIL MOUNT
CR7-105.11	1	RPF2BJD	12VDC @ COILS 30A DPDT RELAY
CR4-102.12	1	WDP30-1L-24	24VAC @ COILS CONTACTOR 32A SHUNT TRIP
EF7-105.07	1	UNV00015879	12VDC ELECTRIC COOLING FAN 1400CFM
DT5-103.22	1	UNV00015878	12VDC DIGITAL TIME SWITCH
RM23-101.27	1	UNV00001332	CHARGE CONTROL REMOTE DIGITAL METER
SP3-101.08 SP3-101.08A SP3-101.08B SP3-101.08C	4	UNV00005453	300W SOLAR PANEL
SC3-101.23	1	UNV00006003	TRISTAR MPPT SOLAR CHARGE CONTROLLER 60 AMP UP TO 150 VOC INPUT, 12-48 VOLTS. 12V-800 WATTS 24V-1600 WATTS 48V-3200 WATTS 11.4'X5.1'X5.6
BC3-101.14	1	UNV00014437	12V 55AMP CHARGER CONVERTER POWER SUPPLY
IN7-105.22	1	UNV00015869	1000W 12VDC - 120VAC POWER INVERTER
PLR5-103.11	1	UNV00007648	24VDC PLR W/ ANALOG INPUT
DV7-105.05	1	UNV00009886	THERMOSTAT

TAGS	QTY	CATALOG	DESCRIPTION
LT8-106.02 LT8-106.06 LT8-106.10 LT8-106.15	4	UNV00008017	100W STADIUM LIGHT 5000K 120-277VAC 18D
MOT6-104.16	1	UNV00014160	5000KVA DIESEL POWERED GENERATOR
PW4-102.03	1	DDR-30G-24	12VDC-24VDC POWER SUPPLY 30W
PW6-104.25	1	UNV00012456	BATTERY CHARGER 12V 26A
PRS5-103.18	1	UNV00006499	12VDC STEM MOUNT PHOTO CONTROL
R3-101.21	1	N/A	5000 OHMS RESISTOR 1/4W
R3-101.19	1	RESISTOR	2800 OHMS RESISTOR 1/4W 1
SS7-105.09	1	UNV00015512	SELECTOR SWITCH MAINTAINED 4P
TG3-101.15	1	UNV00014267	CONTROL SWITCH 300A 24VDC
TG8-106.02 TG8-106.06 TG8-106.10 TG8-106.14	4	UNV00014856	ON-OFF TOGGLE SWITCH
	2	UNV00016633	1 LINE 6 LOAD POWER DITRIBUTION BLOCK 380A
TB1	2	UNV00013970	2 HOLE BLUE TB
TB1	3	UNV00013971	2 HOLE GREY TB
TB1 TB3	11	UNV00013974	4 HOLE GREY TB
TB1 TB3	8	UNV00013975	4 HOLE BLUE TB
TB1 TB3	6	UNV00013976	RED JUMPER FOR 2 HOLE TERM BLOCK
TB1	3	UNV00013989	2 HOLE GREEN TB
TB3	2	UNV00013989	2 HOLE GREEN TB
W3	4	UNV00011954	3 HOLE WAGO
CBL6-104.21	1	UNV00007524	16/3 SOOW CABLE- BLACK
CBL8-106.02	1	UNV00002853	16/7 SOOW
CBL6-104.06	1	UNV00013941	14/7 SOOW CABLE
CBL8-106.02A CBL8-106.02B CBL8-106.06 CBL8-106.06A CBL8-106.10 CBL8-106.10A CBL8-106.14 CBL8-106.14A	8	UNV00007524	CORD 16/3 SOOW UL 90C BLK CABLE

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