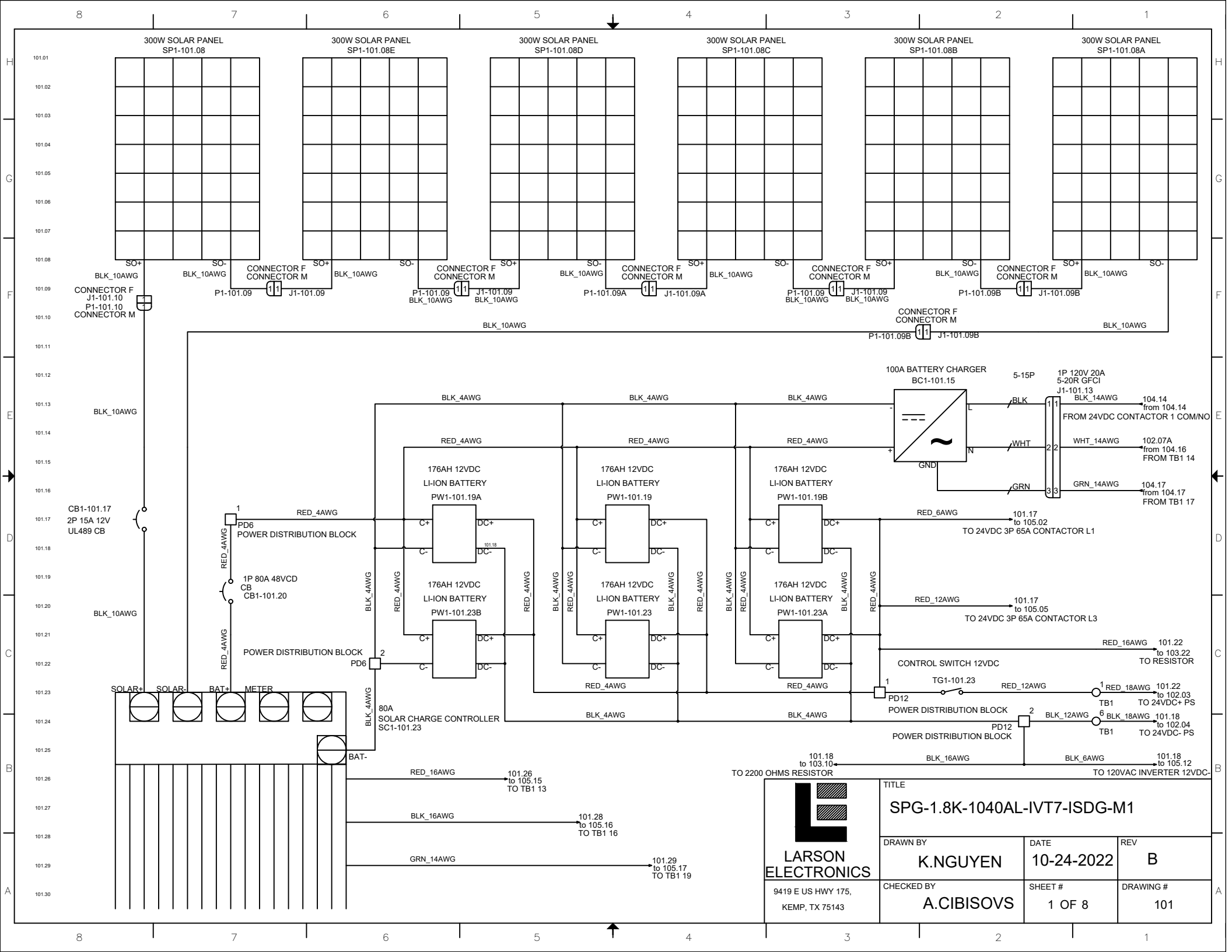
REV	DESCRIPTION	DATE
B	REMOVED 24V RELAY 4, WIRING CHANGED	10-24-2022

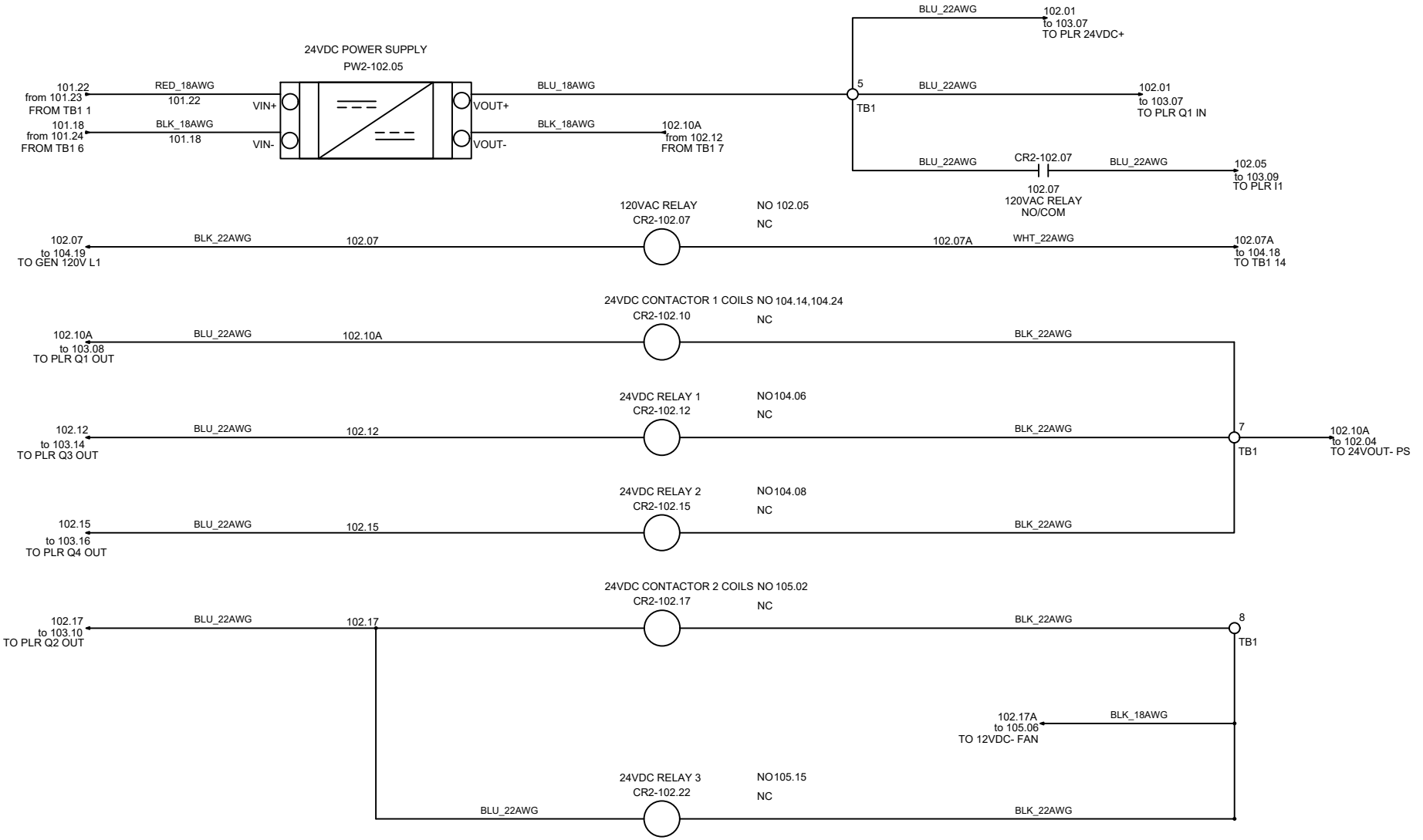
SPG-1.8K-1040AL-IVT7-ISDG-M1

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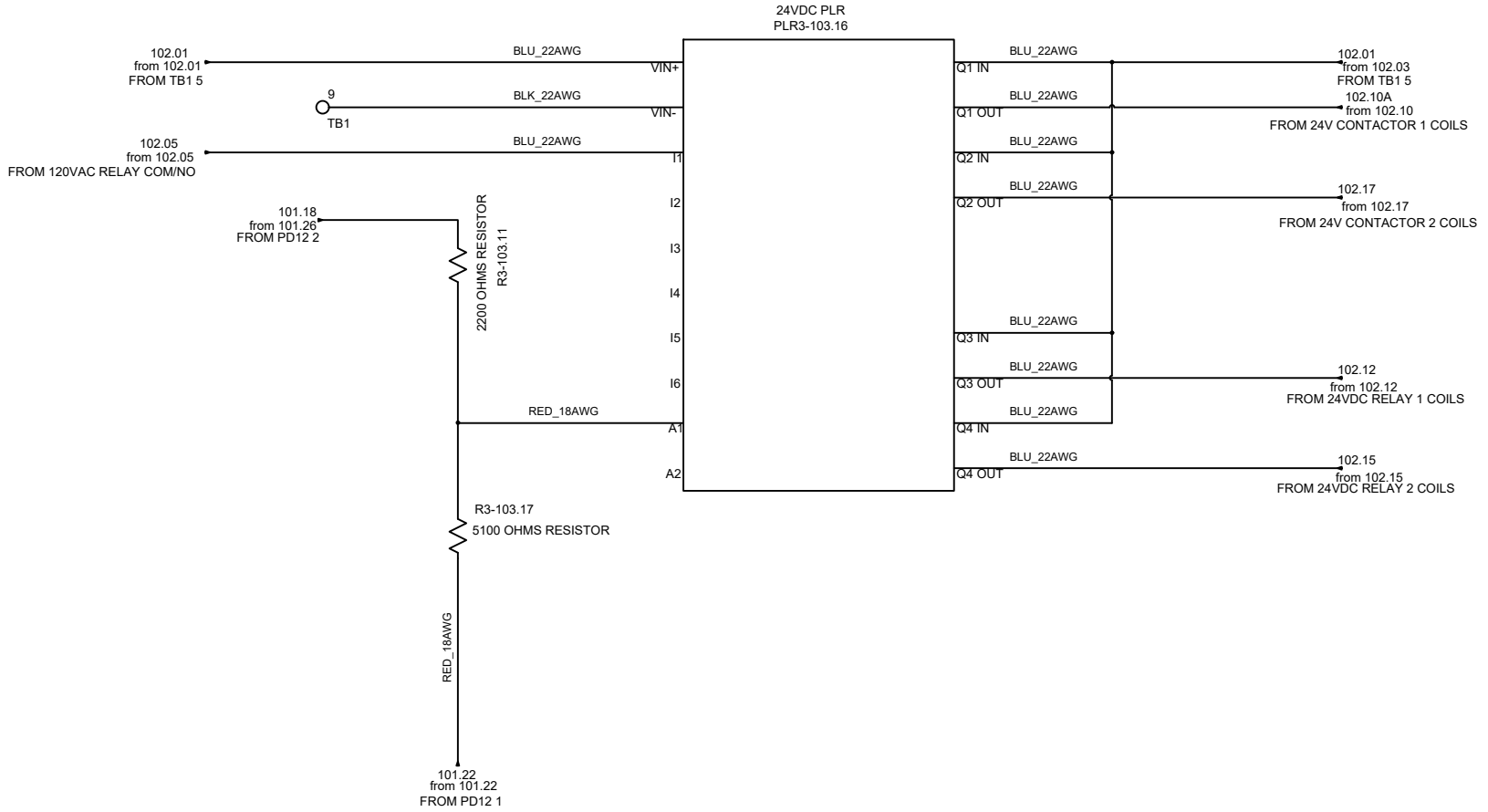
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SPG-1.8K-1040AL-IVT7-ISDG-M1			
DRAWN BY	DATE	REV	
K.NGUYEN	10-24-2022	B	
CHECKED BY	SHEET #	DRAWING #	
A.CIBISOVS	1 OF 8	101	



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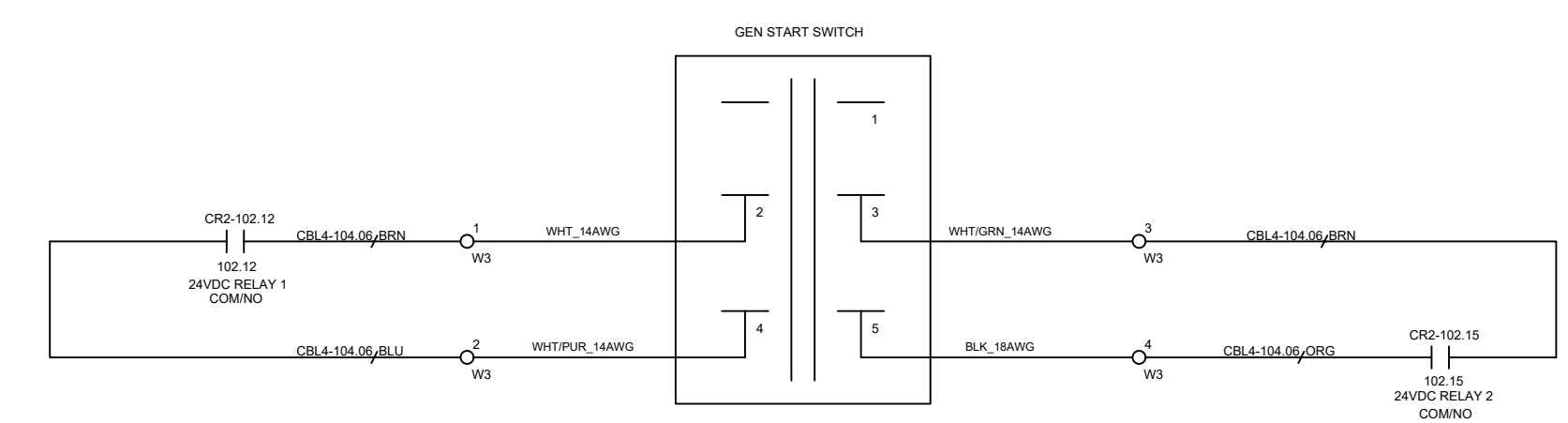
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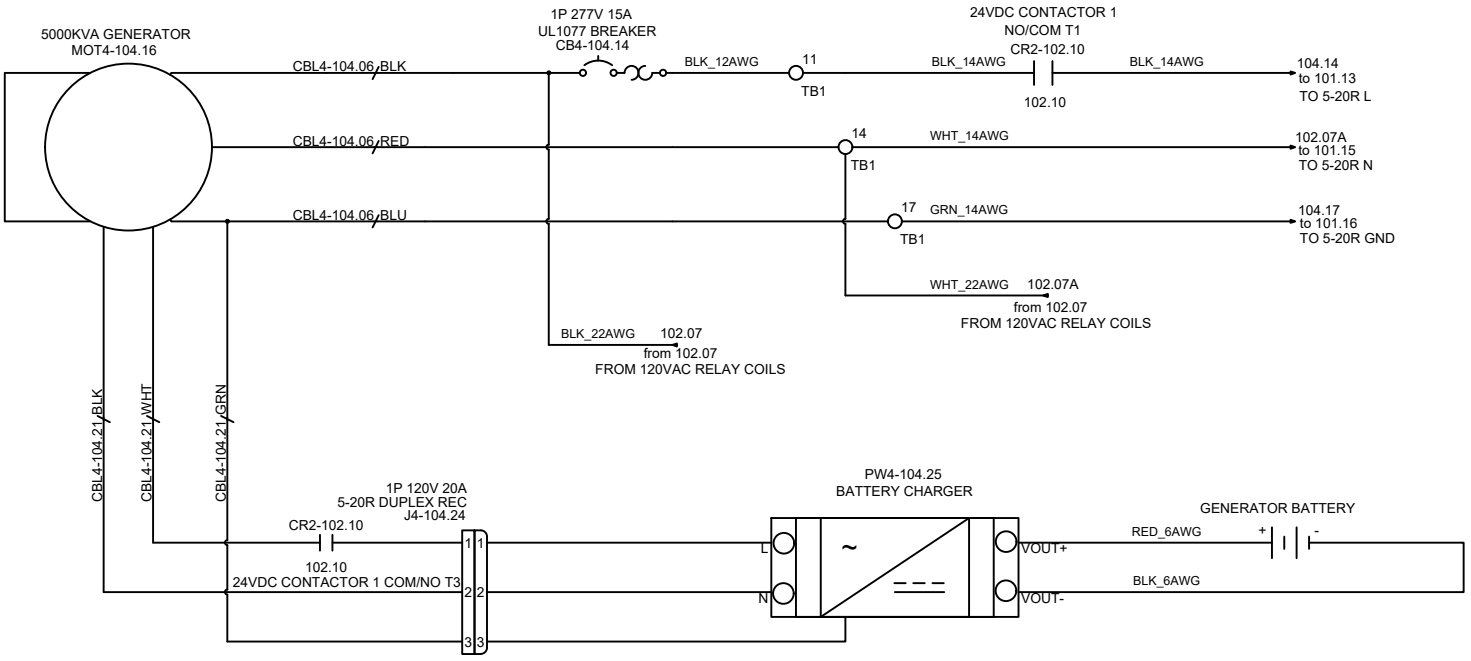
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CHECKED BY	SHEET #	DRAWING #	
A.CIBISOVS	2 OF 3	102	



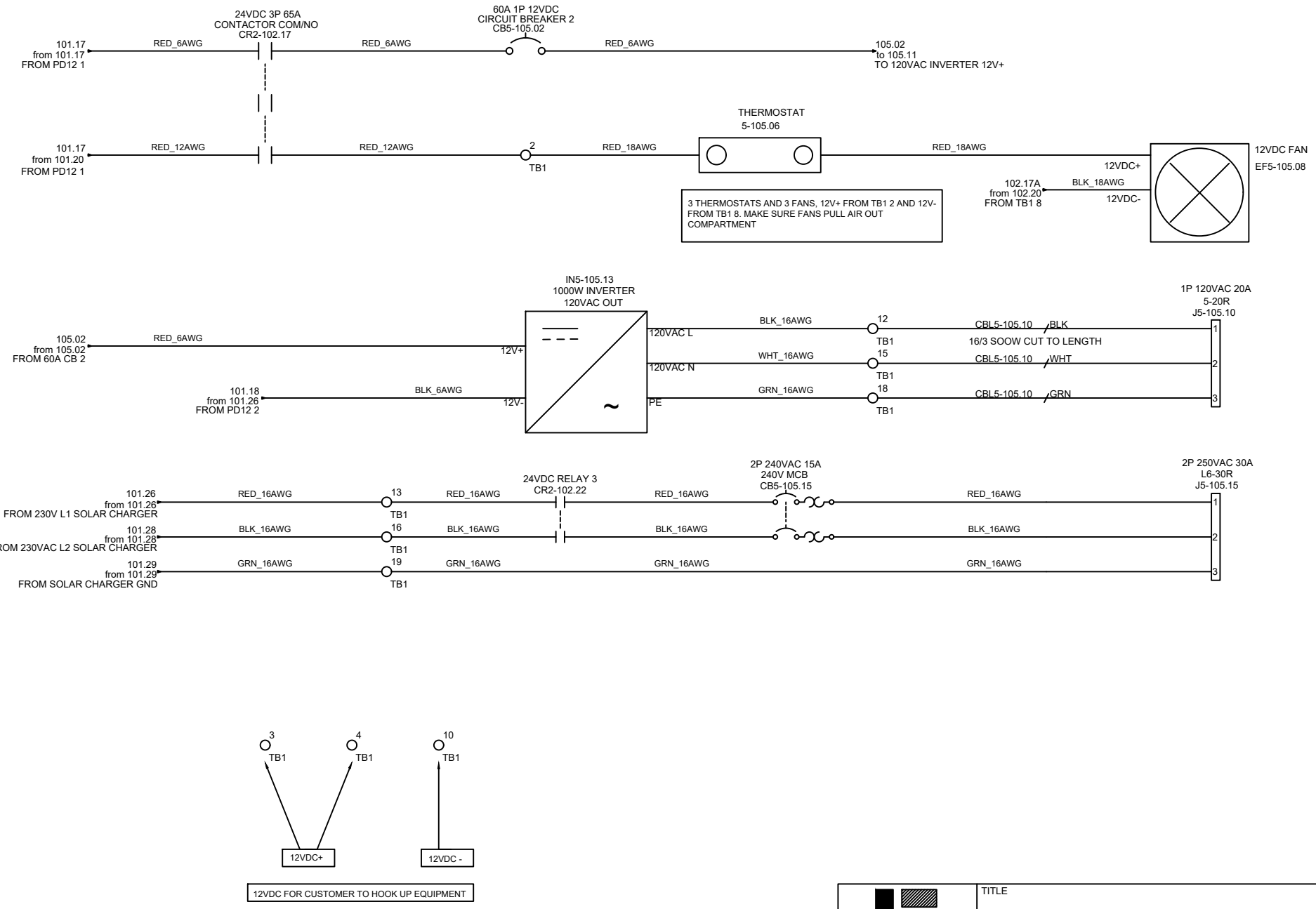
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TITLE			
SPG-1.8K-1040AL-IVT7-ISDG-M1			
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K.NGUYEN	10-24-2022	B	
CHECKED BY	SHEET #	DRAWING #	
A.CIBISOVS	3 OF 7	103	





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	DRAWN BY: K.NGUYEN	DATE: 10-24-2022	REV: B
	CHECKED BY: A.CIBISOVS	SHEET #: 4 OF 7	DRAWING #: 104



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	DRAWN BY: K.NGUYEN	DATE: 10-24-2022	REV: B
	CHECKED BY: A.CIBISOVS	SHEET #: 5 OF 7	DRAWING #: 105

TB1													
Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Jumper
R3-103.17			RED_18AWG		1		PHOENIX CONTACT	UNV0001397 4	RED_12AWG			TG1-101.23	
			RED_18AWG										
CR			RED_12AWG		2		PHOENIX CONTACT	UNV0001397 4	RED_18AWG			5-105.06	
					3		PHOENIX CONTACT	UNV0001397 4					
					4		PHOENIX CONTACT	UNV0001397 4					
PLR3-103.16	VIN+		BLU_20AWG		5		PHOENIX CONTACT	UNV0001397 4	BLU_18AWG				
PLR3-103.16	Q1 IN		BLU_20AWG						BLU_20AWG			CR2-102.07	
PD12	2		BLK_12AWG		6		PHOENIX CONTACT	UNV0001397 4	BLK_18AWG				
			BLK_18AWG		7		PHOENIX CONTACT	UNV0001397 5	BLK_20AWG			CR2-102.10	
CR2-102.12			BLK_20AWG						BLK_20AWG			CR2-102.15	
CR2-102.17			BLK_20AWG		8		PHOENIX CONTACT	UNV0001397 5	BLK_18AWG		12VDC-	EF5-105.08	
PLR3-103.16	VIN-		WIRES		9		PHOENIX CONTACT	UNV0001397 5	WIRES			R3-103.11	
					10		PHOENIX CONTACT	UNV0001397 4					
CB4-104.14			BLK_12AWG		11		PHOENIX CONTACT	UNV0001397 4	BLK_14AWG			CR2-102.10	
IN5-105.11	120VAC L		BLK_16AWG		12		PHOENIX CONTACT	UNV0001397 4	WIRES		1	J5-105.10	
IN5-105.16	240VAC L1		RED_16AWG		13		PHOENIX CONTACT	UNV0001397 4	WIRES		1	J5-105.15	
J1-101.13	2		WHT_14AWG		14		PHOENIX CONTACT	UNV0001397 5	WHT_20AWG	102.07A		CR2-102.07	
MOT4-104.16			WHT_12AWG										
IN5-105.11	120VAC N		WHT_16AWG		15		PHOENIX CONTACT	UNV0001397 4	WIRES		2	J5-105.10	
IN5-105.16	240VAC L2		BLK_16AWG		16		PHOENIX CONTACT	UNV0001397 4	WIRES		2	J5-105.15	
J1-101.13	3		GRN_14AWG		17		PHOENIX CONTACT	UNV0001398 9	GRN_12AWG			MOT4-104.16	
IN5-105.11	PE		GRN_16AWG		18		PHOENIX CONTACT	UNV0001398 9	WIRES		3	J5-105.10	
IN5-105.16	PE		GRN_16AWG		19		PHOENIX CONTACT	UNV0001398 9	WIRES		3	J5-105.15	

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TAGS	QTY	CATALOG	DESCRIPTION
J1-101.13	1	UNV00002760	5-20R DUPLEX RECEPTACLE 125V 20A GFCI
J4-104.24	1	UNV00014533	5-20R GFCI 125/250V 20A
J1-101.09 J1-101.09A J1-101.09B J1-101.10	7	UNV00001349	SOLAR CONNECTOR MALE
P1-101.09 P1-101.09A P1-101.09B P1-101.10	7	UNV00001350	SOLAR CONNECTOR FEMALE
J5-105.15	1	UNV00007127	250V 30A TWIST LOCK RECEPTACLE L6-30R
J5-105.10	1	UNV00012694	20A 120V DUPLEX RECEPTACLE
CB5-105.02	1	UNV00001791	60AMP 12-48VDC BREAKER
CB1-101.20	1	187080F-03-1	48VDC CIRCUIT BREAKER 80A
CB4-104.14	1	UNV00015143	15A 1P 277 UL 1077 BREAKER
CB5-105.15	1	UNV00015147	15A 2P 480V CIRCUIT BREAKER
CB1-101.17	1	UNV00015148	BREAKER 15A 2P 480V 489
CR2-102.17	1	SC-E3G-24VDC	24VDC @ COILS 3P 65A CONTACTOR
CR2-102.07	1	UNV00010791	GENERAL PURPOSE RELAYS9A MINI POWER SPDT-NO, 30A
CR2-102.12 CR2-102.15 CR2-102.22 CR2-102.25	4	UNV00009121	24VDC GENERAL PURPOSE RELAY SPDT
CR2-102.10	1	WDP30-1L-24	24VAC @ COILS CONTACTOR 32A SHUNT TRIP
EF5-105.08	1	UNV00015879	12VDC ELECTRIC COOLING FAN 1400CFM

TAGS	QTY	CATALOG	DESCRIPTION
SP1-101.08E			
BC1-101.15	1	PM4 100A	100A 110VAC TO 12VDC POWER CONVERTER WITH BUILT IN SMART BATTERY CHARGER
IN5-105.13	1	UNV00015869	1000W 12VDC - 120VAC POWER INVERTER
PLR3-103.16	1	UNV00007648	24VDC PLR W/ ANALOG INPUT
SC1-101.23	1	B09NDBKL6W	12VDC SOLAR INVERTER, 230VAC OUTPUT 1500W, BUILT IN 80A MPPT SOLAR CHARGE CONTROLLER
5-105.06	1	UNV00009886	THERMOSTAT
MOT4-104.16	1	UNV00014160	5000KVA DIESEL POWERED GENERATOR
PW2-102.05	1	UNV00014102	CONVERTER 12-24VDC 8A
PW4-104.25	1	UNV00012456	BATTERY CHARGER 12V 26A
PW1-101.19 PW1-101.19A PW1-101.19B PW1-101.23 PW1-101.23A PW1-101.23B	6	UNV00011978	LITHIUM BATTERY 12V 176AH
R3-103.17	1	RESISTOR	3000 OHMS RESISTOR 1/4W
R3-103.11	1	RESISTOR	2800 OHMS RESISTOR 1/4W 1
TG1-101.23	1	UNV00014267	CONTROL SWITCH 300A 24VDC
PD6	2	UNV00016633	1 LINE 6 LOAD POWER DITRIBUTION BLOCK 380A
PD12	2	UNV00015085	POWER DISTRIBUTION BLOCK 570A
TB1	12	UNV00013974	4 HOLE GREY TB
TB1	4	UNV00013975	4 HOLE BLUE TB
TB1	2	UNV00013976	RED JUMPER FOR 2 HOLE TERM BLOCK
TB1	3	UNV00013989	2 HOLE GREEN TB
W3	4	UNV00011954	3 HOLE WAGO
CBL2-102.25	1	UNV00002075	16/2 SOOW - Price per Foot
CBL4-104.21	1	UNV00007524	16/3 SOOW CABLE- BLACK
CBL4-104.06	1	UNV00013941	14/7 SOOW CABLE
CBL5-105.10	1	UNV00007524	CORD 16/3 SOOW UL 90C BLK CABLE

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A.CIBISOVS	7 OF 7	107