

WIRE LEGEND AND NOTES

CONTROL WIRE GAUGE:
(ALL WIRE MUST BE UL AND VW-1 RATING)

SYMBOL – WIRE GAUGE, VOLTAGE, TYPE

A- #24 AWG, 300V, 105C, 7/32 STRANDING, UL1569
B- #22 AWG, 300V, 105C, 7/30 STRANDING, UL1569
C- #20 AWG, 600V, 105C, 10/30 STRANDING, UL1015
D- #14 AWG 600V, 105C, 41/30 STRANDING, UL1015
E- #10 AWG 600V, 105C, 105/30 STRANDING, UL1015
F- #24 AWG, 300V 80C, 4 CONDUCTOR CABLE, UL2464,
7x32 STRANDING, BLK/WHT/RED/GRN
G- #24 AWG, 600V, 105C, TWISTED PAIR, RED/WHT, 105C, UL1015
H- #16 AWG, 300V, 105C, 26/30 STRANDING, UL1569
I- #14 AWG, 300V, 105C, 41/30 STRANDING, 0.110 NOM ID, UL1569
J- #20 AWG, 300V, 105C, 10/30 STRANDING, UL1569

WIRE REFERENCE NUMBER PREFIX

N - CONTROL/SIGNAL WIRE
H - 10 AWG WIRE
F - FIBER CABLE
C - MULTI-CONDUCTOR CABLE
R - RIBBON CABLE
P - POWER WIRE (#2 AND UP)
FB – FLEXIBUS
HB – HARD BUS

WIRE COLORS, CONTROL WIRE:

1.BRN 2.RED 3.ORN 4.YEL
5.GRN 6.BLU 7.VIO 8.GRY
9.WHT 10.BLK

WIRE COLORS POWER - ALL VOLTAGES

A-BRN B-ORN C- YEL

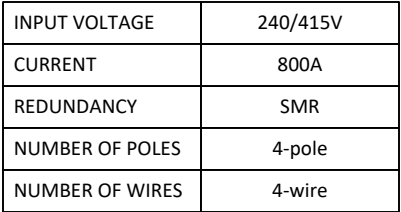
MTA PLUG COLORS

WHITE FOR A WIRE
RED FOR B WIRE
YELLOW FOR J WIRE



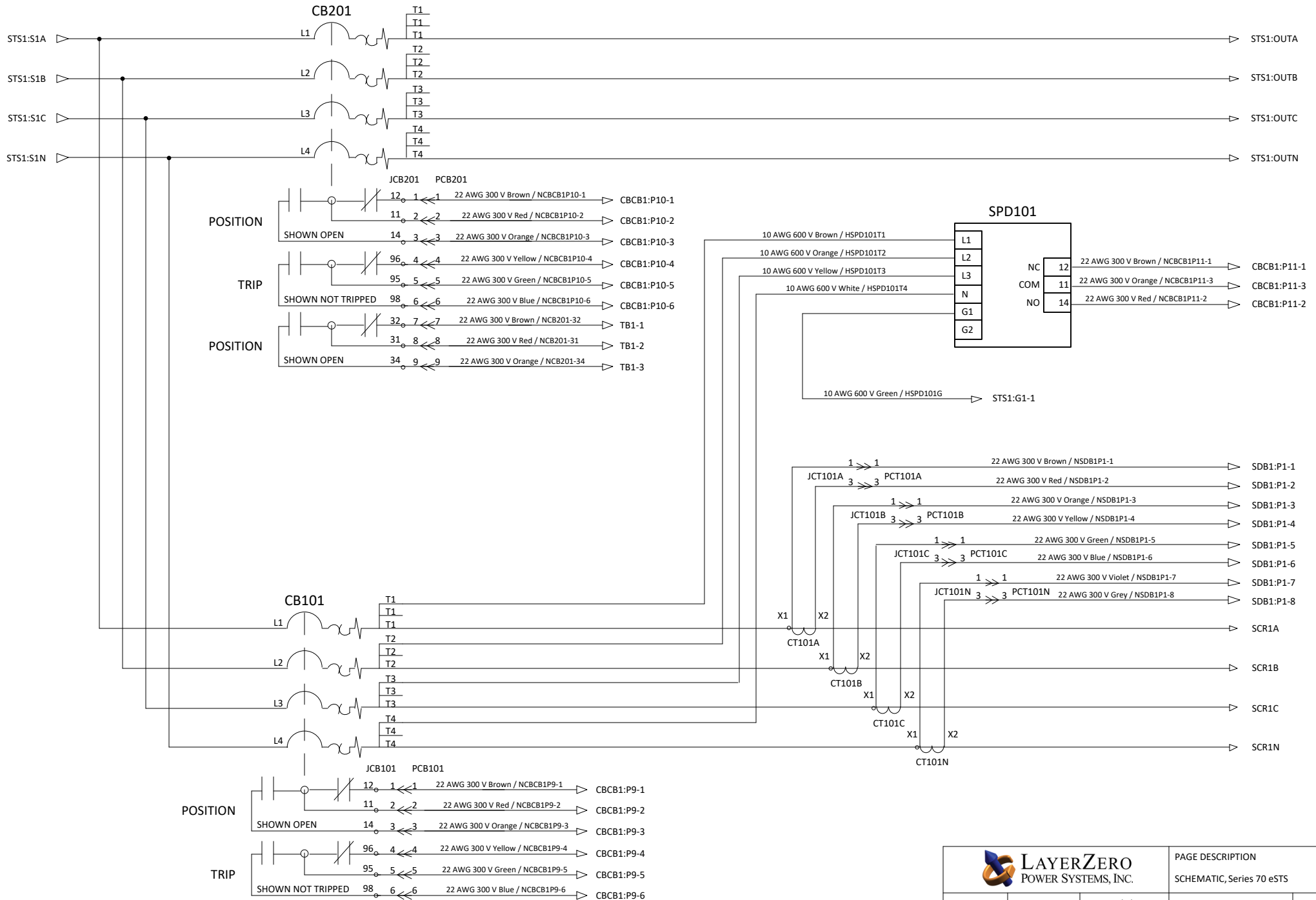
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	CHK	DATE		
	APPR	DATE	SHEET 1 OF 33	



 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
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	APPR	DATE	SHEET 2 OF 33	

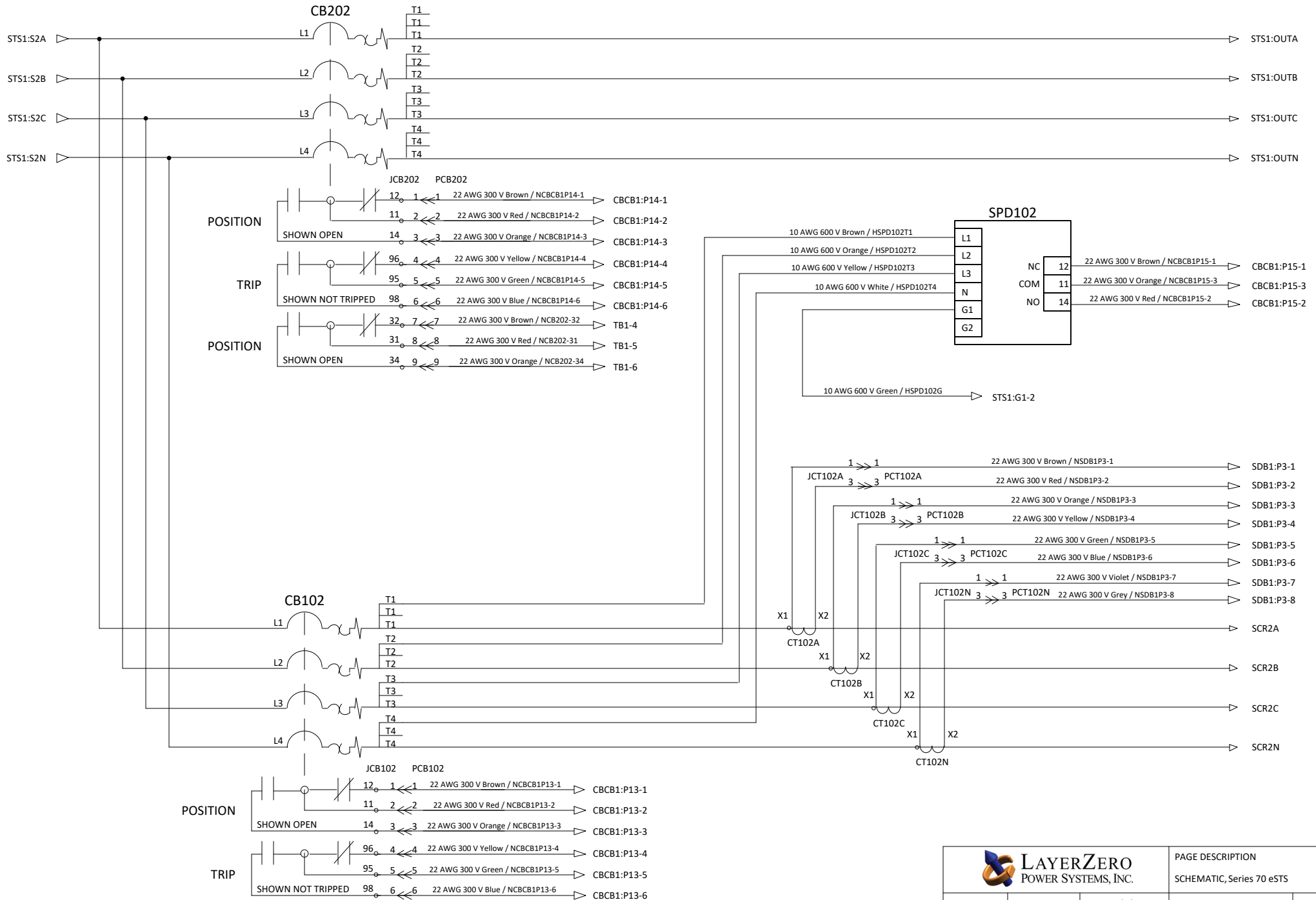
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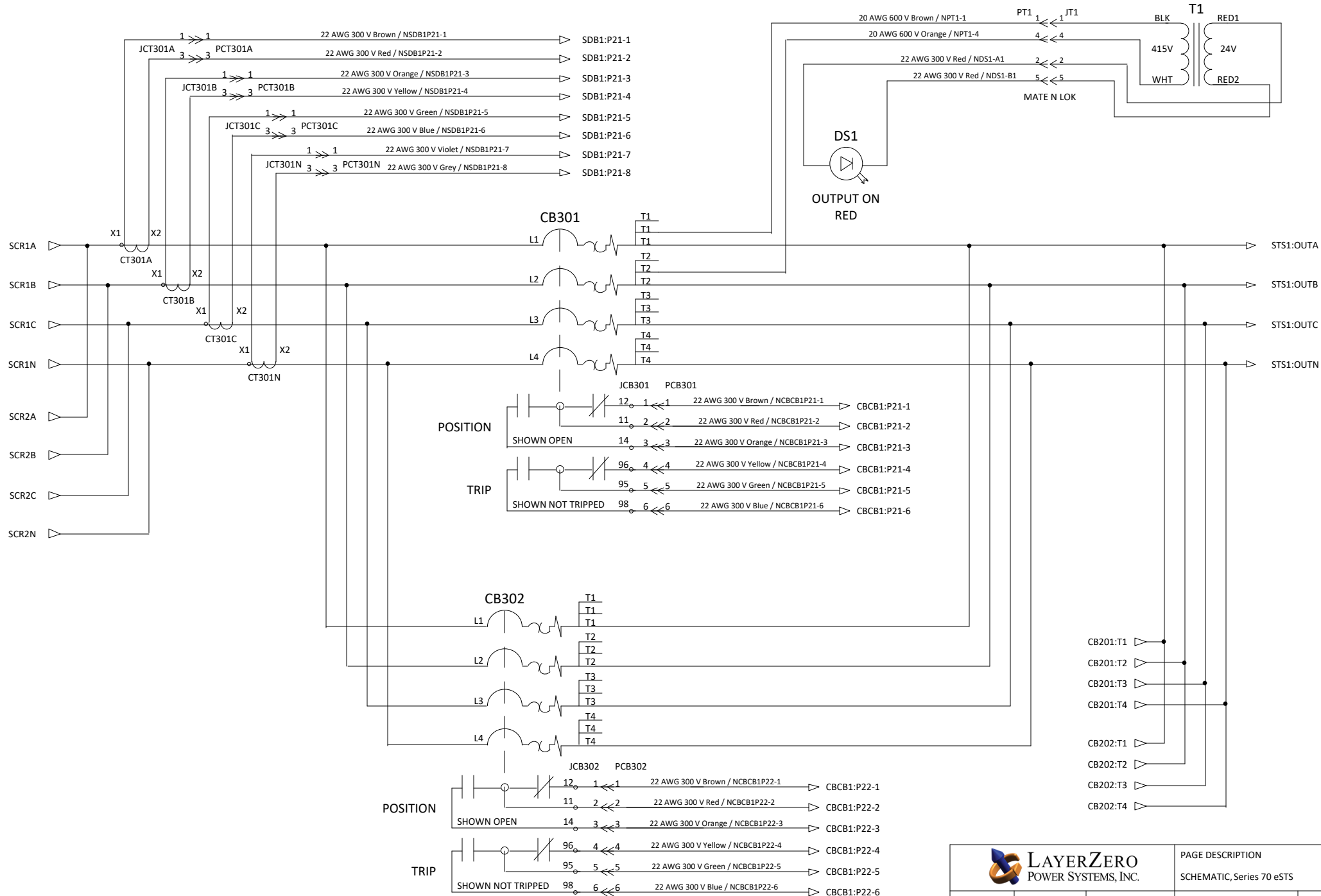
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LZ-11217	CHK	DATE	94-ES-11217-2	A
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SHEET 3 OF 33				

SOURCE 2



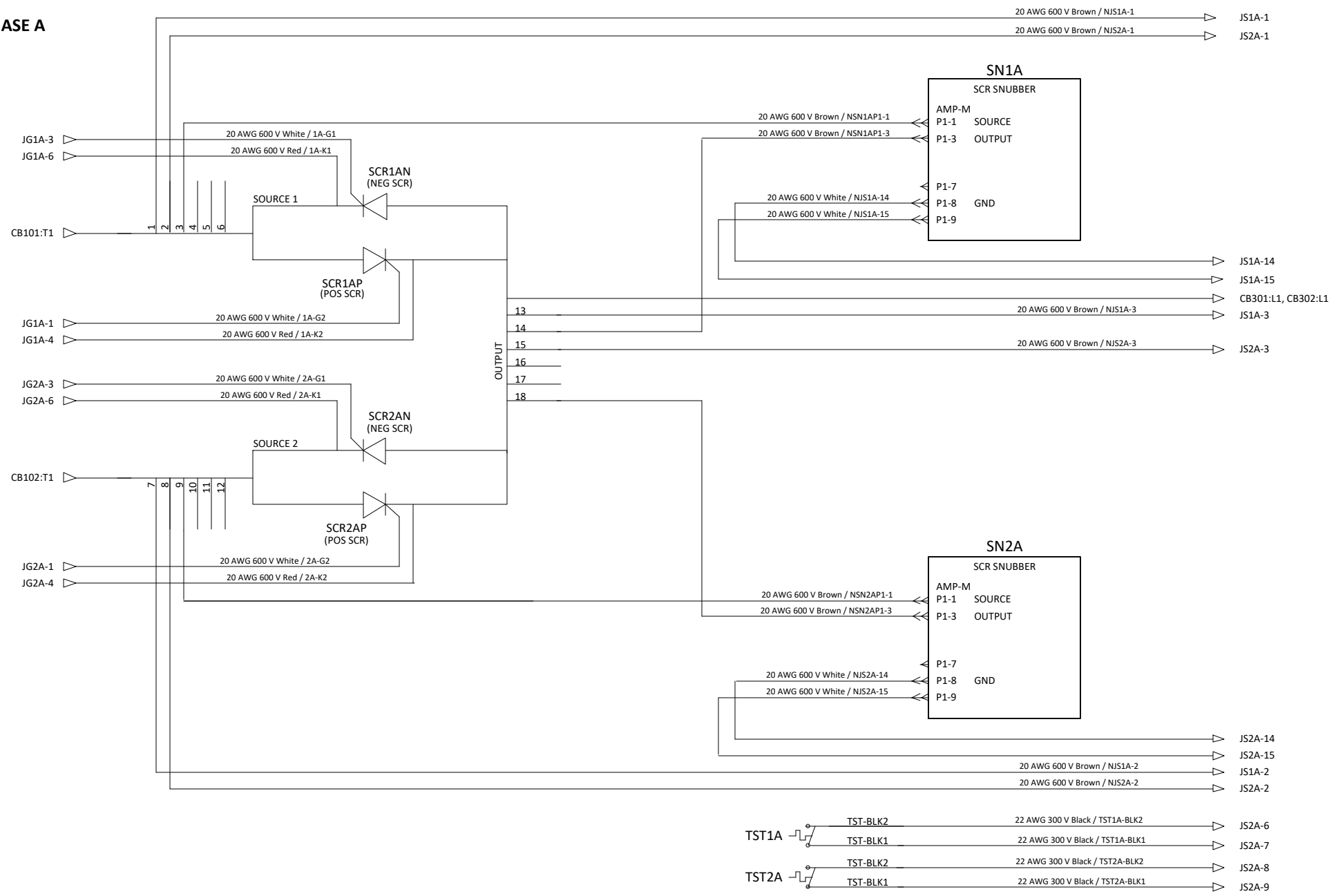
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LZ-11217	CHK	DATE	94-ES-11217-2	A
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SHEET 4 OF 33				



			PAGE DESCRIPTION	
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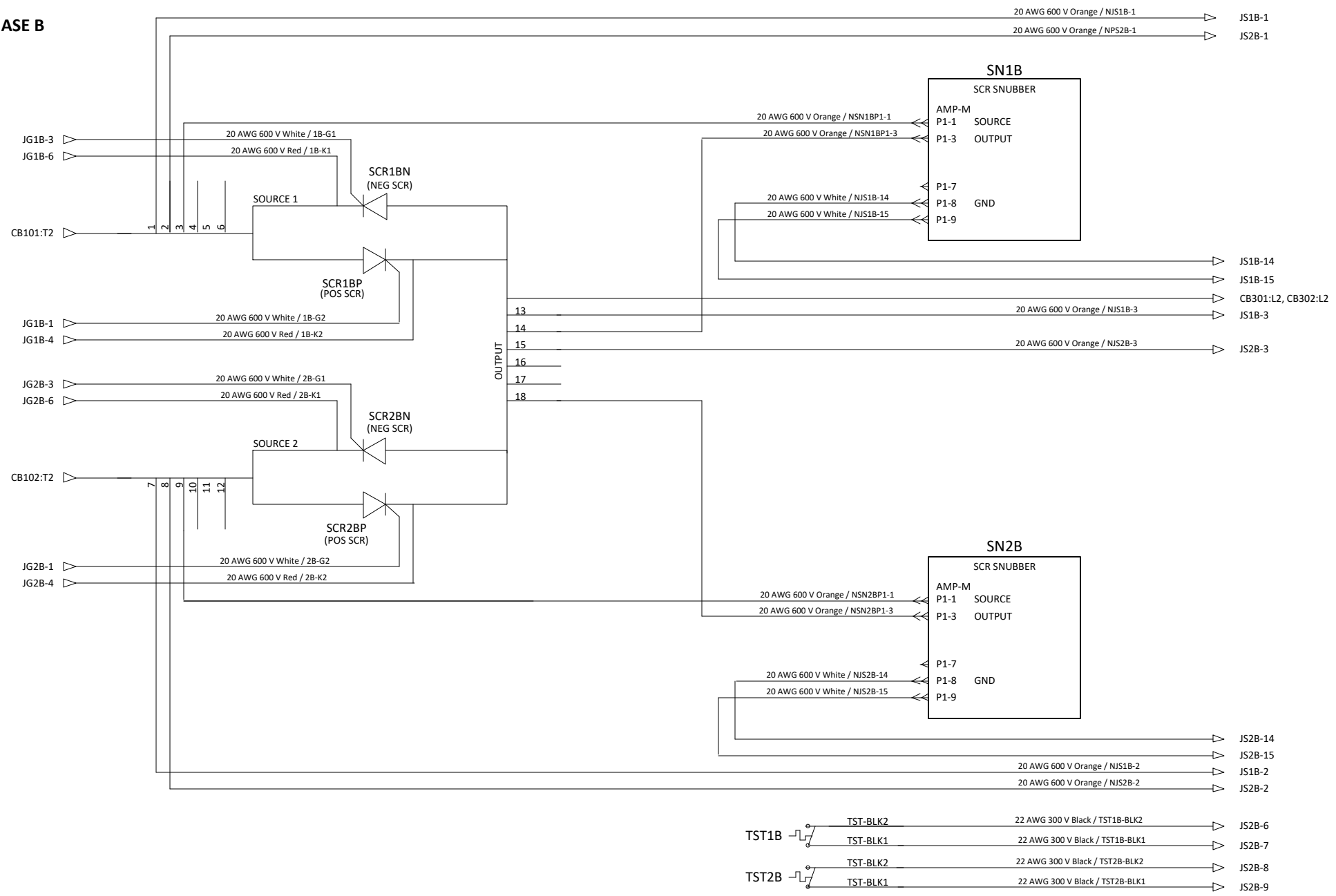
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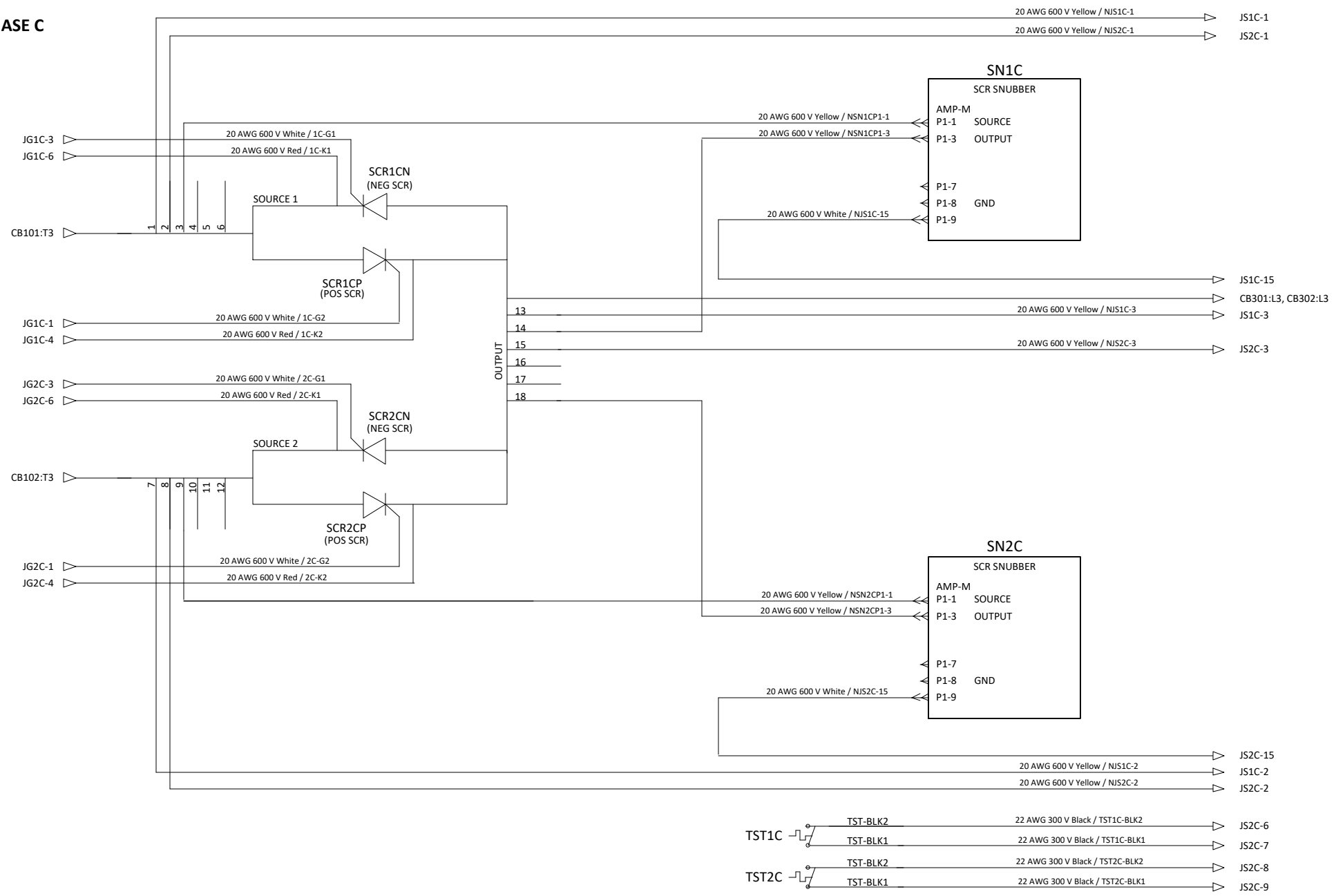
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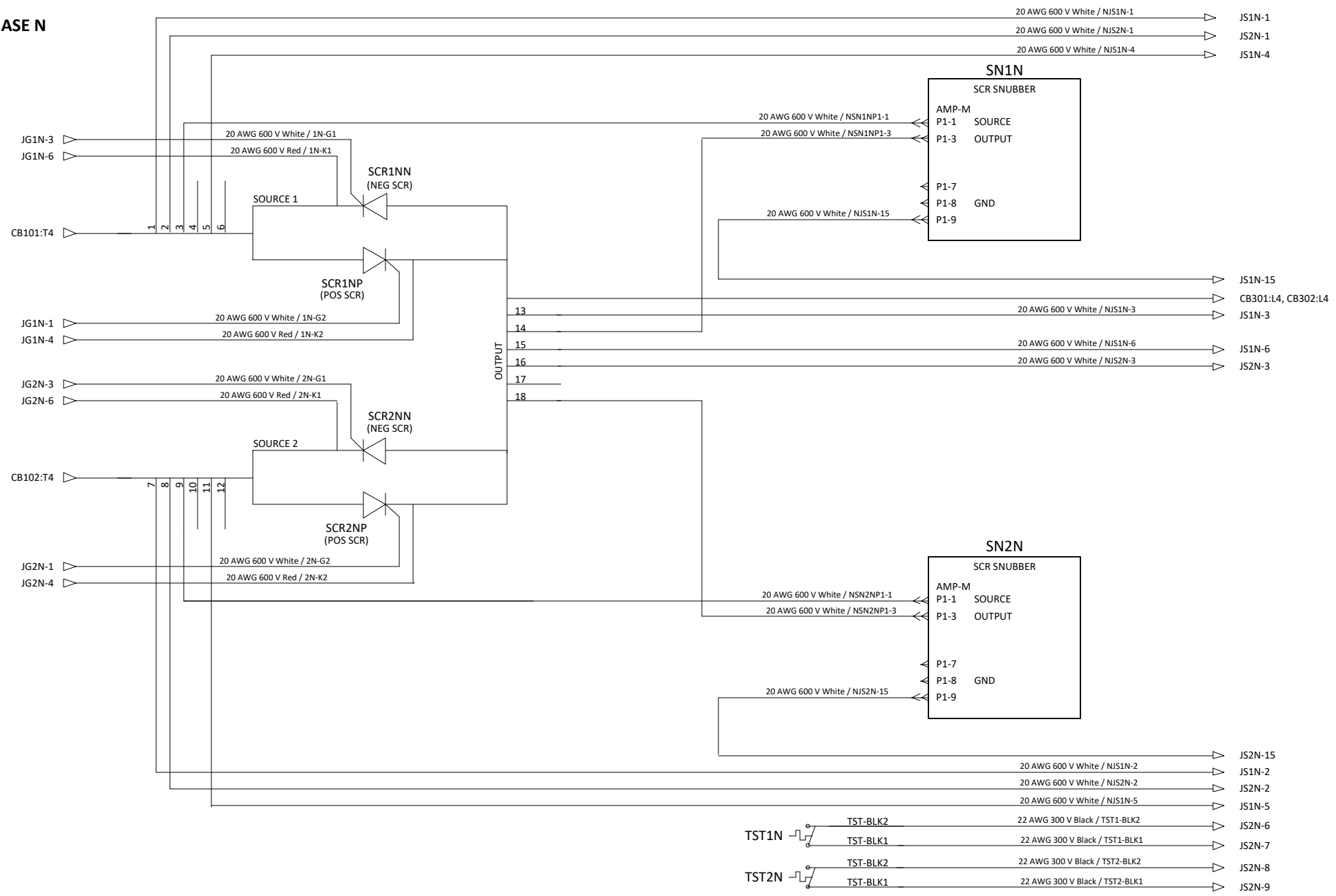
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	CHK	DATE		
	APPR	DATE	SHEET 7 OF 33	

PHASE C



 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
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	APPR	DATE	SHEET 8 OF 33	

PHASE N



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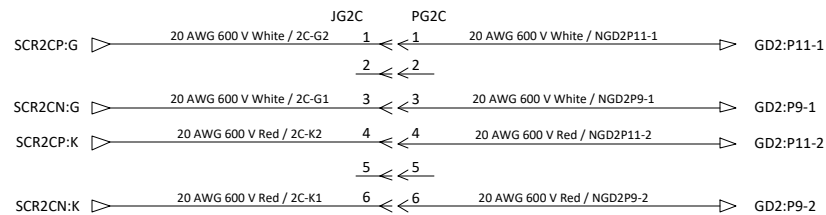
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SOCKET TERMINALS

SHELL HOUSING
PIN TERMINALS



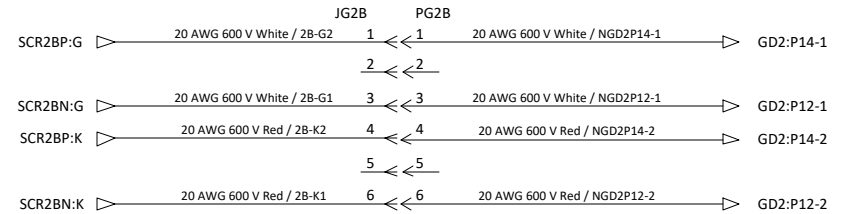
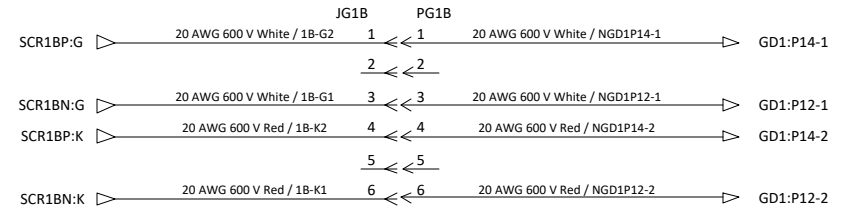
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SHELL HOUSING
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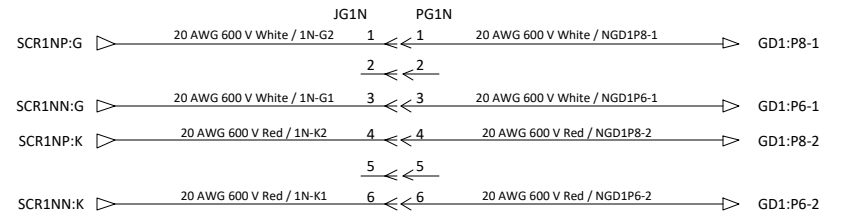
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SOCKET TERMINALS

SHELL HOUSING
PIN TERMINALS



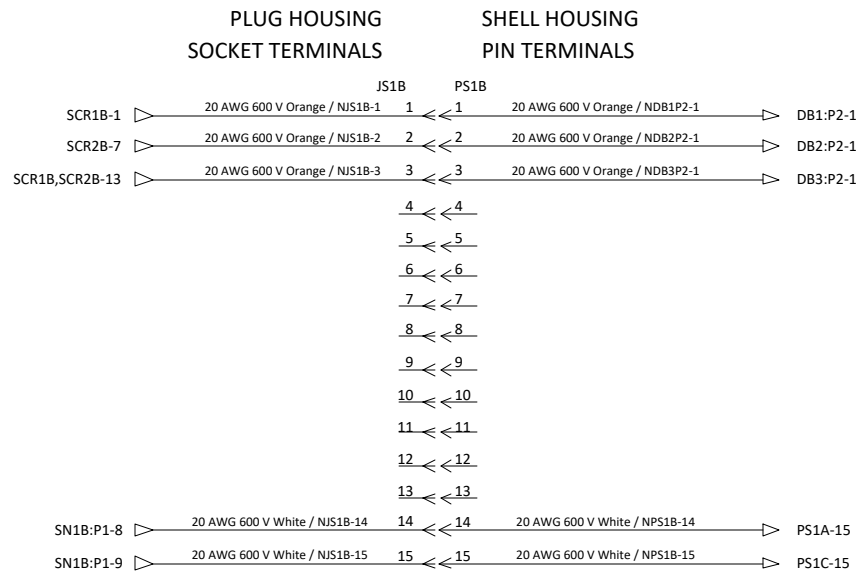
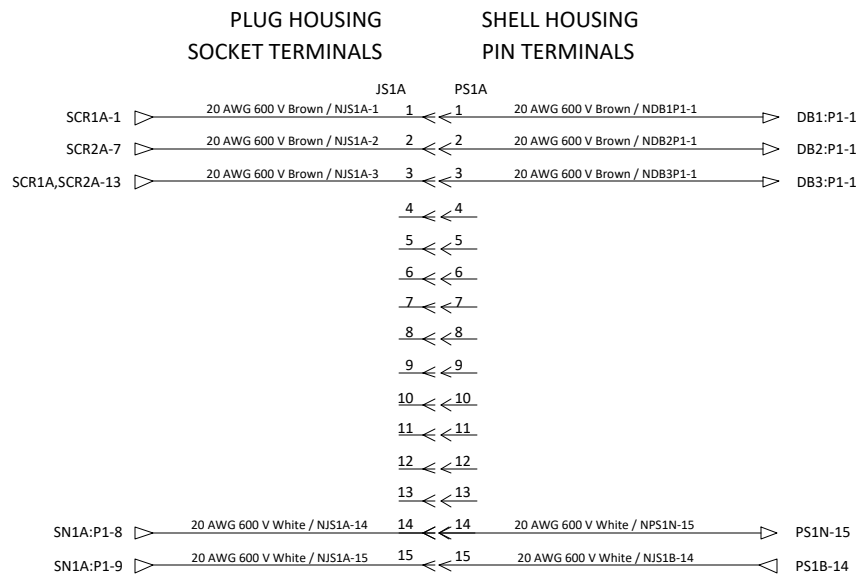
PLUG HOUSING
SOCKET TERMINALS

SHELL HOUSING
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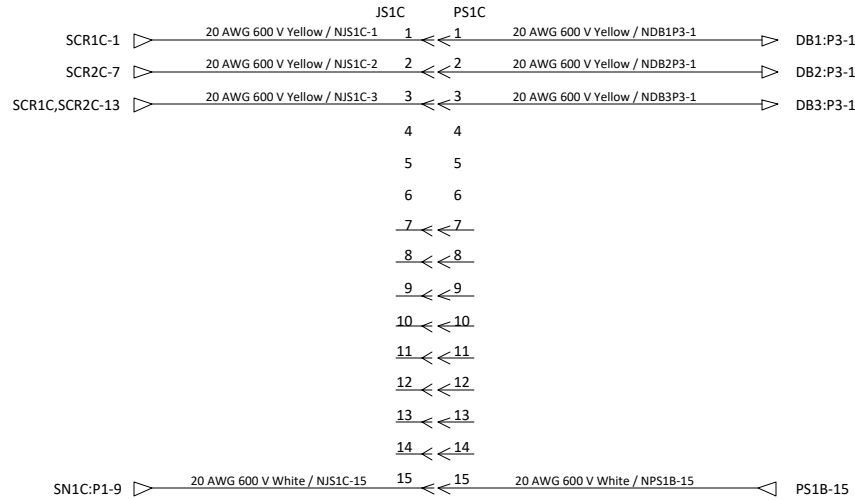


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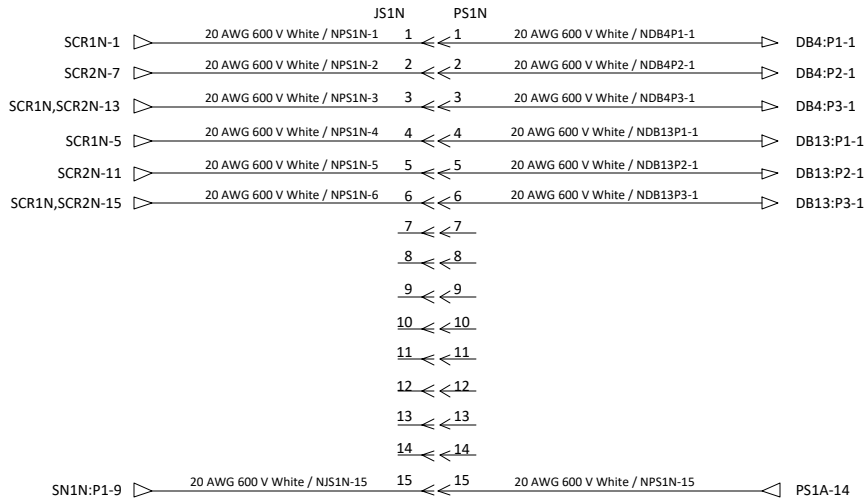
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SOCKET TERMINALS

SHELL HOUSING
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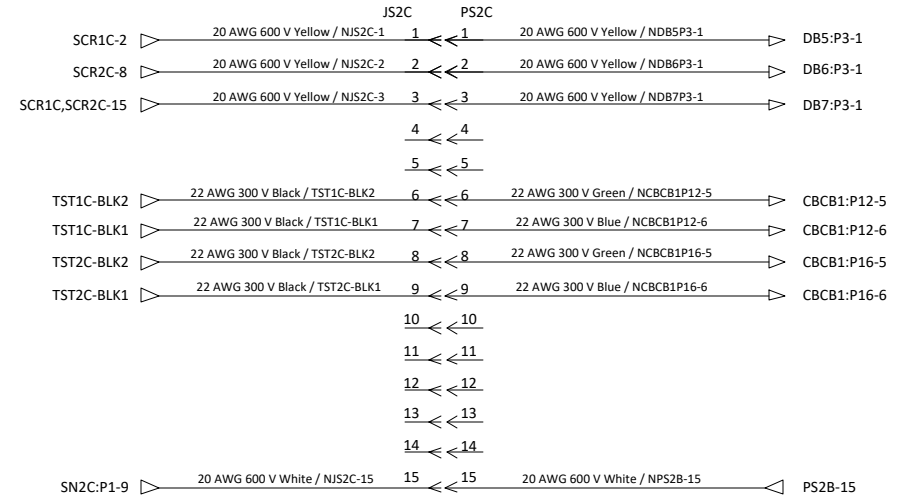
PLUG HOUSING
SOCKET TERMINALS

SHELL HOUSING
PIN TERMINALS



PLUG HOUSING
SOCKET TERMINALS

SHELL HOUSING
PIN TERMINALS



PLUG HOUSING
SOCKET TERMINALS

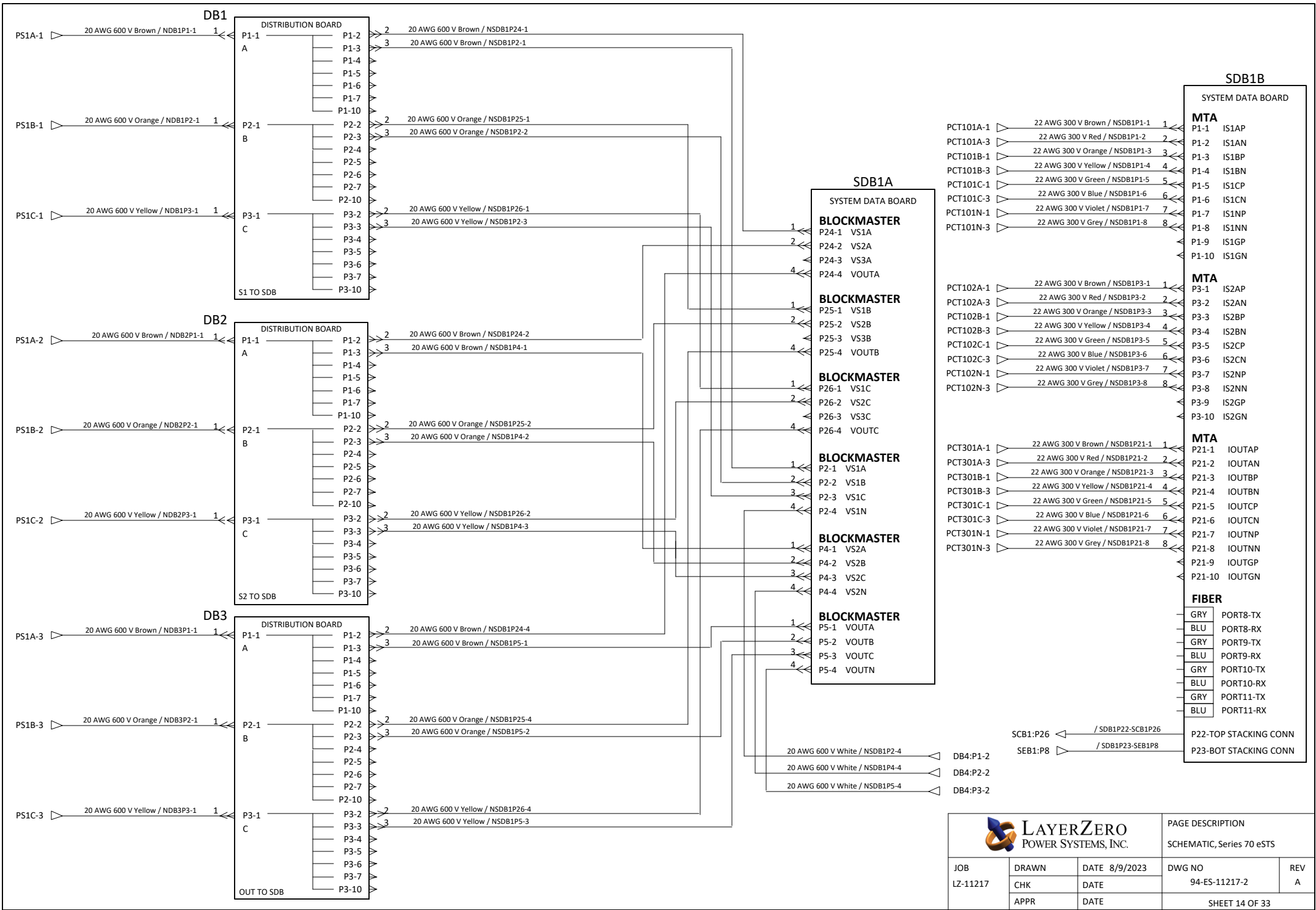
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	CHK	DATE		
	APPR	DATE		
SHEET 12 OF 33				

 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
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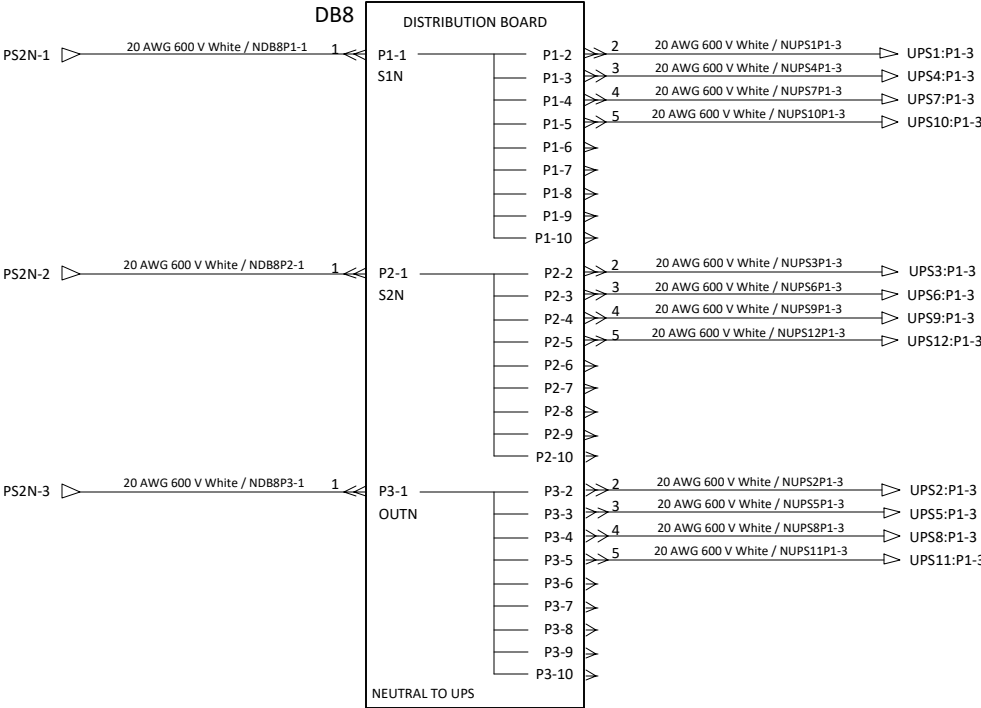
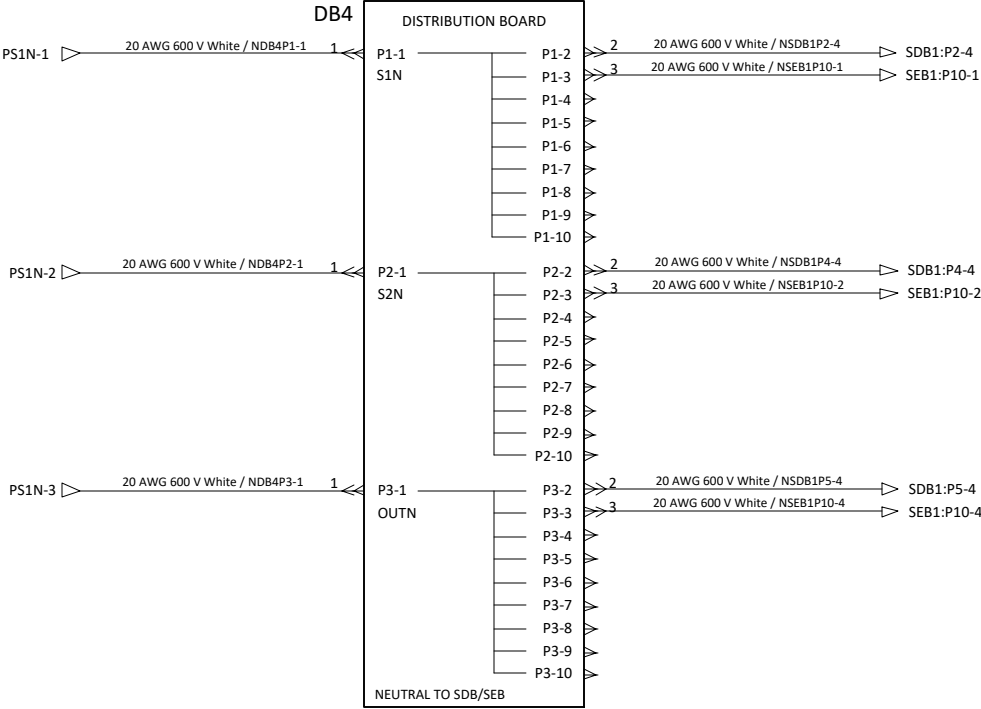
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POWER SYSTEMS, INC.

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	APPR	DATE	SHEET 14 OF 33	

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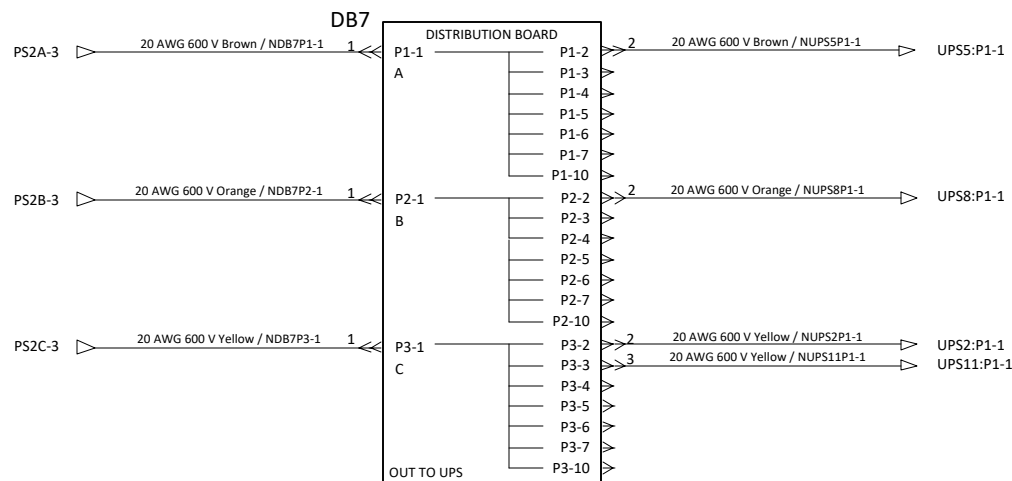
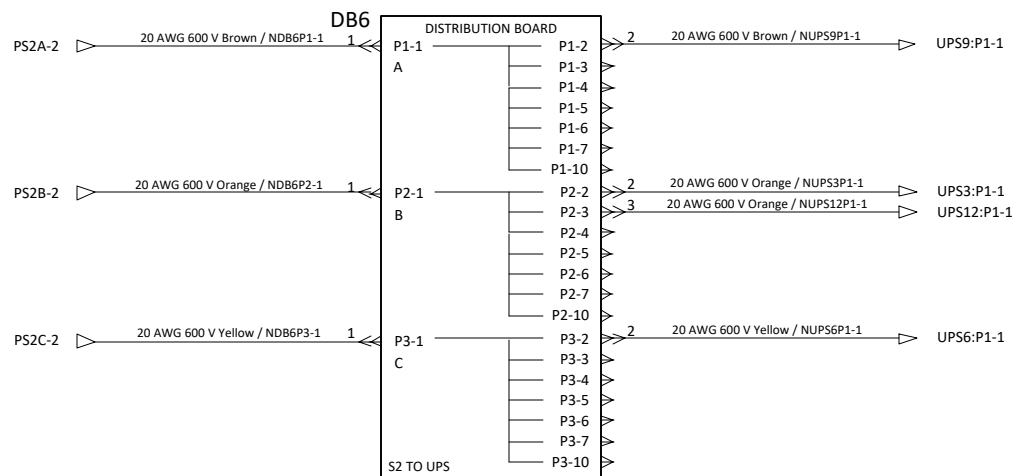
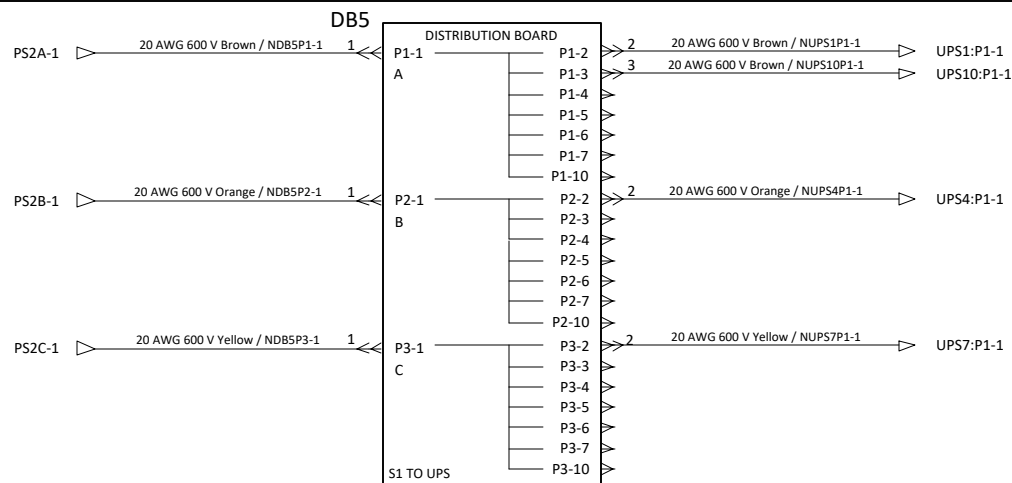
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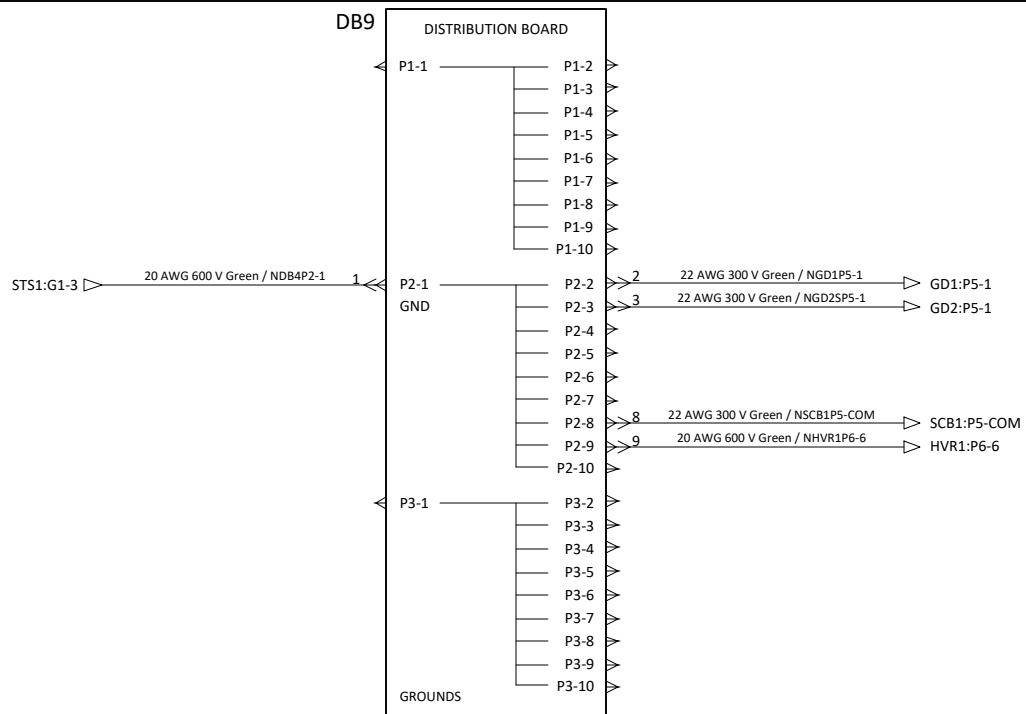
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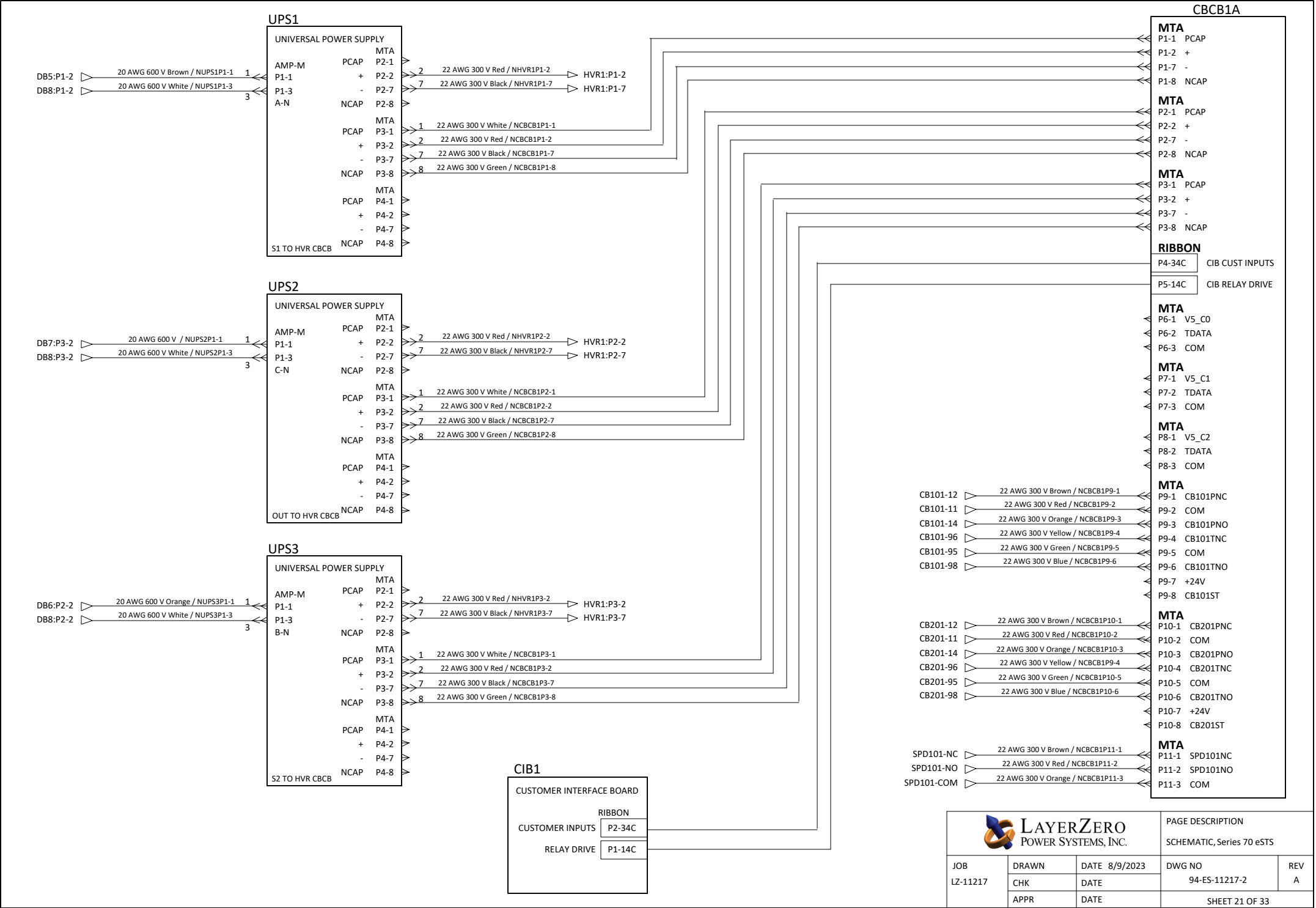


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JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
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			SHEET 19 OF 33	

 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
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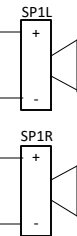
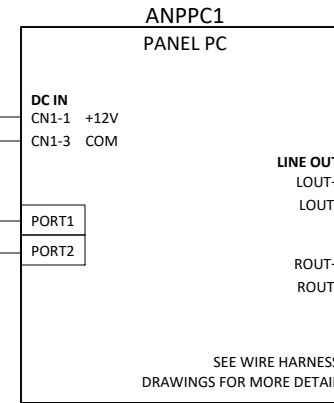
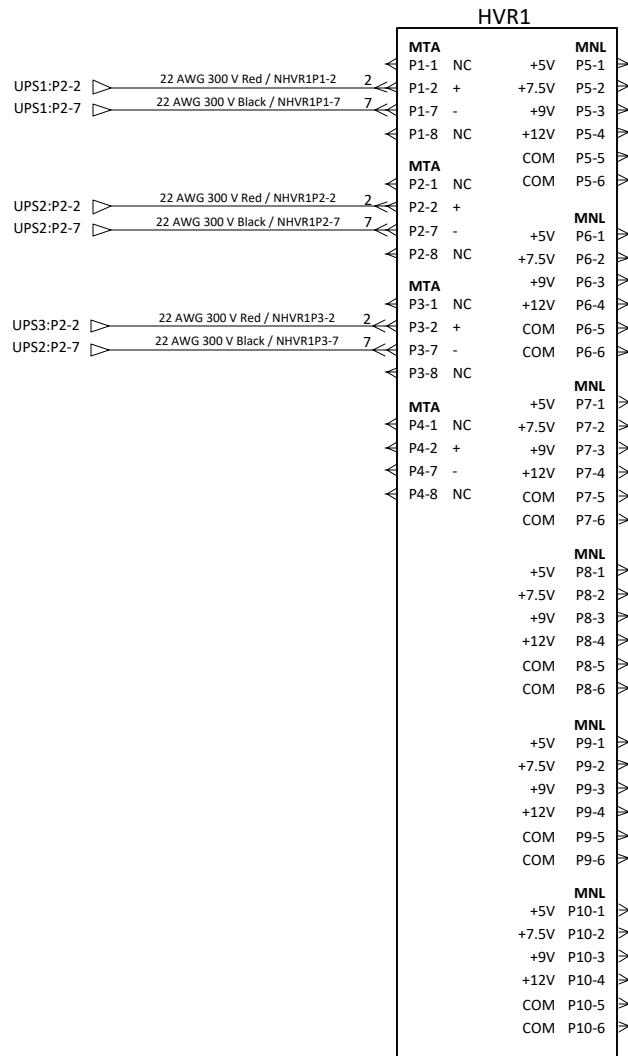
CBCB1B

PS2A-6	22 AWG 300 V Brown / NCBCB1P12-1	MTA P12-1	TST101A
PS2A-7	22 AWG 300 V Red / NCBCB1P12-2	P12-2	COM
PS2B-6	22 AWG 300 V Orange / NCBCB1P12-3	P12-3	TST101B
PS2B-7	22 AWG 300 V Yellow / NCBCB1P12-4	P12-4	COM
PS2C-6	22 AWG 300 V Green / NCBCB1P12-5	P12-5	TST101C
PS2C-7	22 AWG 300 V Blue / NCBCB1P12-6	P12-6	COM
PS2N-6	22 AWG 300 V Violet / NCBCB1P12-7	P12-7	TST101N
PS2N-7	22 AWG 300 V Grey / NCBCB1P12-8	P12-8	COM
CB102-12	22 AWG 300 V Brown / NCBCB1P13-1	MTA P13-1	CB102PNC
CB102-11	22 AWG 300 V Red / NCBCB1P13-2	P13-2	COM
CB102-14	22 AWG 300 V Orange / NCBCB1P13-3	P13-3	CB102PNO
CB102-96	22 AWG 300 V Yellow / NCBCB1P13-4	P13-4	CB102TNC
CB102-95	22 AWG 300 V Green / NCBCB1P13-5	P13-5	COM
CB102-98	22 AWG 300 V Blue / NCBCB1P13-6	P13-6	CB102TNO
		P13-7	+24V
		P13-8	CB102ST
CB202-12	22 AWG 300 V Brown / NCBCB1P14-1	MTA P14-1	CB202PNC
CB202-11	22 AWG 300 V Red / NCBCB1P14-2	P14-2	COM
CB202-14	22 AWG 300 V Orange / NCBCB1P14-3	P14-3	CB202PNO
CB202-96	22 AWG 300 V Yellow / NCBCB1P14-4	P14-4	CB202TNC
CB202-95	22 AWG 300 V Green / NCBCB1P14-5	P14-5	COM
CB202-98	22 AWG 300 V Blue / NCBCB1P14-6	P14-6	CB202TNO
		P14-7	+24V
		P14-8	CB202ST
SPD102-NC	22 AWG 300 V Brown / NCBCB1P15-1	MTA P15-1	SPD102NC
SPD102-NO	22 AWG 300 V Red / NCBCB1P15-2	P15-2	SPD102NO
SPD102-COM	22 AWG 300 V Orange / NCBCB1P15-3	P15-3	COM
PS2A-8	22 AWG 300 V Brown / NCBCB1P16-1	MTA P16-1	TST102A
PS2A-9	22 AWG 300 V Red / NCBCB1P16-2	P16-2	COM
PS2B-8	22 AWG 300 V Orange / NCBCB1P16-3	P16-3	TST102B
PS2B-9	22 AWG 300 V Yellow / NCBCB1P16-4	P16-4	COM
PS2C-8	22 AWG 300 V Green / NCBCB1P16-5	P16-5	TST102C
PS2C-9	22 AWG 300 V Blue / NCBCB1P16-6	P16-6	COM
PS2N-8	22 AWG 300 V Violet / NCBCB1P16-7	P16-7	TST102N
PS2N-9	22 AWG 300 V Grey / NCBCB1P16-8	P16-8	COM
CB103-12	22 AWG 300 V Brown / NCBCB1P17-1	MTA P17-1	CB103PNC
CB103-11	22 AWG 300 V Red / NCBCB1P17-2	P17-2	COM
CB103-14	22 AWG 300 V Orange / NCBCB1P17-3	P17-3	CB103PNO
CB103-96	22 AWG 300 V Yellow / NCBCB1P17-4	P17-4	CB103TNC
CB103-95	22 AWG 300 V Green / NCBCB1P17-5	P17-5	COM
CB103-98	22 AWG 300 V Blue / NCBCB1P17-6	P17-6	CB103TNO
		P17-7	+24V
		P17-8	CB103ST
CB203-12	22 AWG 300 V Brown / NCBCB1P18-1	MTA P18-1	CB203PNC
CB203-11	22 AWG 300 V Red / NCBCB1P18-2	P18-2	COM
CB203-14	22 AWG 300 V Orange / NCBCB1P18-3	P18-3	CB203PNO
CB203-96	22 AWG 300 V Yellow / NCBCB1P18-4	P18-4	CB203TNC
CB203-95	22 AWG 300 V Green / NCBCB1P18-5	P18-5	COM
CB203-98	22 AWG 300 V Blue / NCBCB1P18-6	P18-6	CB203TNO
		P18-7	+24V
		P18-8	CB203ST
SPD103-NC	22 AWG 300 V Brown / NCBCB1P19-1	MTA P19-1	SPD103NC
SPD103-NO	22 AWG 300 V Red / NCBCB1P19-2	P19-2	SPD103NO
SPD103-COM	22 AWG 300 V Orange / NCBCB1P19-3	P19-3	COM

CBCB1C

			MTA	
			P20-1	TST103A
			P20-2	COM
			P20-3	TST103B
			P20-4	COM
			P20-5	TST103C
			P20-6	COM
			P20-7	TST103N
			P20-8	COM
			MTA	
CB301-12	22 AWG 300 V Brown / NCBCB1P21-1	P21-1	CB301PNC	
CB301-11	22 AWG 300 V Red / NCBCB1P21-2	P21-2	COM	
CB301-14	22 AWG 300 V Orange / NCBCB1P21-3	P21-3	CB301PNO	
CB301-96	22 AWG 300 V Yellow / NCBCB1P21-4	P21-4	CB301TNC	
CB301-95	22 AWG 300 V Green / NCBCB1P21-5	P21-5	COM	
CB301-98	22 AWG 300 V Blue / NCBCB1P21-6	P21-6	CB301TNO	
			MTA	
CB302-12	22 AWG 300 V Brown / NCBCB1P22-1	P22-1	CB302PNC	
CB302-11	22 AWG 300 V Red / NCBCB1P22-2	P22-2	COM	
CB302-14	22 AWG 300 V Orange / NCBCB1P22-3	P22-3	CB302PNO	
CB302-96	22 AWG 300 V Yellow / NCBCB1P22-4	P22-4	CB302TNC	
CB302-95	22 AWG 300 V Green / NCBCB1P22-5	P22-5	COM	
CB302-98	22 AWG 300 V Blue / NCBCB1P22-6	P22-6	CB302TNO	
			MTA	
			P23-1	CBSP1PNC
			P23-2	COM
			P23-3	CBSP1PNO
			P23-4	CBSP1TNC
			P23-5	COM
			P23-6	CBSP1TNO
			P23-7	+24V
			P23-8	CBSP1ST
			MTA	
			P24-1	CBSP2PNC
			P24-2	COM
			P24-3	CBSP2PNO
			P24-4	CBSP2TNC
			P24-5	COM
			P24-6	CBSP2TNO
			P24-7	+24V
			P24-8	CBSP2ST
			MTA	
			P48-1	+12V
			P48-2	COM
			MTA	
			P49-1	FSS1-NO
			P49-2	COM
			P49-3	FSS1-NC
			P49-4	COM
			MTA	
			P50-1	+12V
			P50-2	COM
			MTA	
			P51-1	FSS2-NO
			P51-2	COM
			P51-3	FSS2-NC
			P51-4	COM
			MTA	
			P52-1	+12V
			P52-2	COM
			MTA	
			P53-1	FSS3-NO
			P53-2	COM
			P53-3	FSS3-NC
			P53-4	COM

DB9:P2-9 20 AWG 600 V Green / NHVR1P6-6



J1
(CUSTOMER WAN)



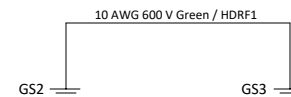
NS1

5 PORT
NETWORK SWITCH

PHONO
PWR-TIP +12V
PWR-RING COM

CAT5-1
CAT5-2
CAT5-3
CAT5-4
CAT5-5

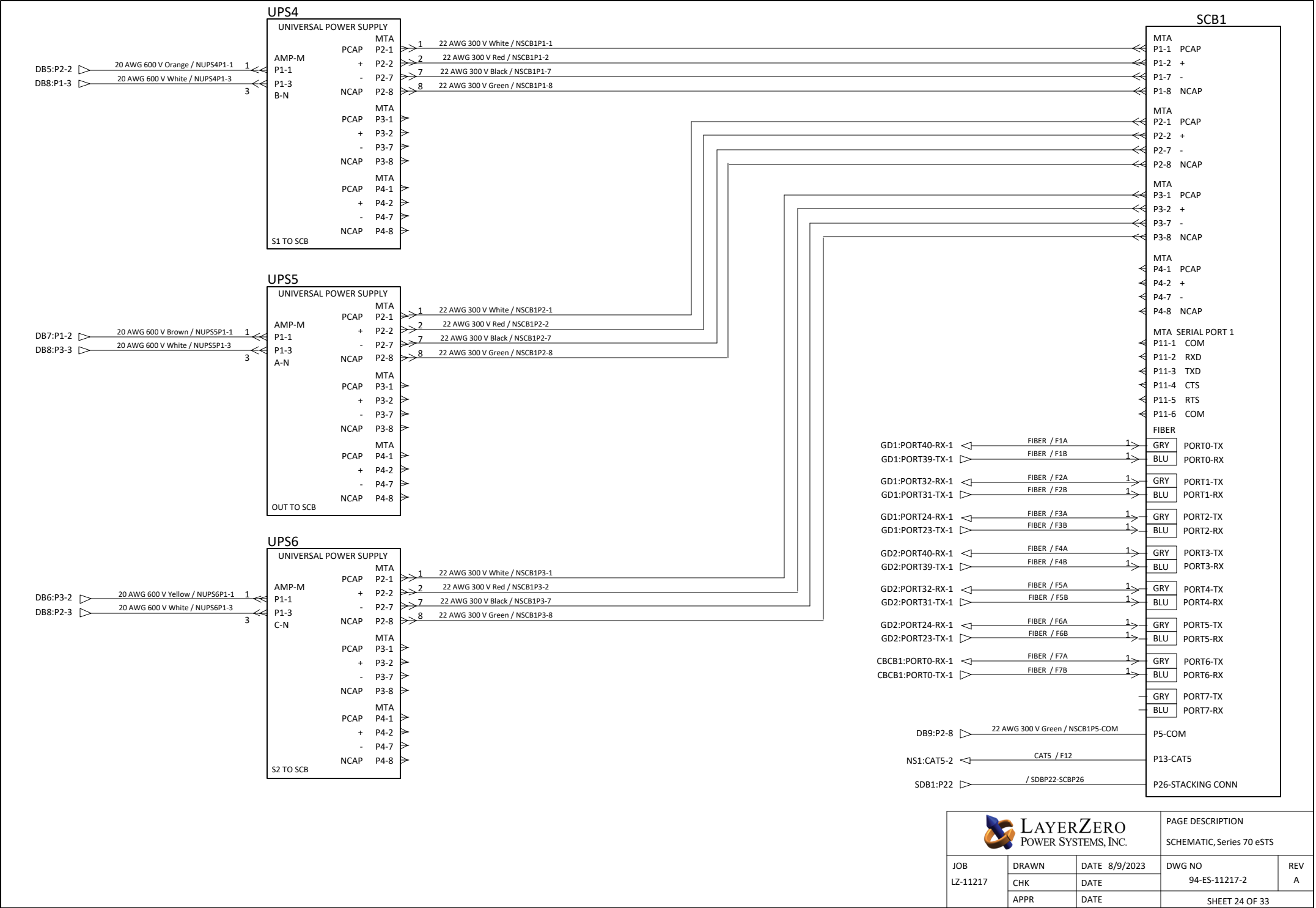
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LZ-11217		CHK		8/9/2023		94-ES-11217-2		A	
APPR		DATE							

PAGE DESCRIPTION
SCHEMATIC, Series 70 eSTS

SHEET 23 OF 33



UPS6

UNIVERSAL POWER SUPPLY

AMP-M

P1-1

P1-3

C-N

PCAP

+

-

NCAP

MTA

P2-1

P2-2

P2-7

P2-8

P3-1

P3-2

P3-7

P3-8

P4-1

P4-2

P4-7

P4-8

S2 TO SCB

DB9:P2-8

22 AWG 300 V Green / NSCB1P5-COM

NS1:CAT5-2

CATS / F12

SDB1:P22

/ SDBP22-SCBP26

SCB1

MTA

P1-1

P1-2

P1-7

P1-8

P2-1

P2-2

P2-7

P2-8

P3-1

P3-2

P3-7

P3-8

P4-1

P4-2

P4-7

P4-8

MTA SERIAL PORT 1

P11-1

P11-2

P11-3

P11-4

P11-5

P11-6

FIBER

GRY

BLU

GRY

BLU

GRY

BLU

GRY

BLU

GRY

BLU

GRY

BLU

GRY

BLU

GRY

BLU

P5-COM

P13-CAT5

P26-STACKING CONN

GD1:PORT40-RX-1

FIBER / F1A

1

GD1:PORT39-TX-1

FIBER / F1B

1

GD1:PORT32-RX-1

FIBER / F2A

1

GD1:PORT31-TX-1

FIBER / F2B

1

GD1:PORT24-RX-1

FIBER / F3A

1

GD1:PORT23-TX-1

FIBER / F3B

1

GD2:PORT40-RX-1

FIBER / F4A

1

GD2:PORT39-TX-1

FIBER / F4B

1

GD2:PORT32-RX-1

FIBER / F5A

1

GD2:PORT31-TX-1

FIBER / F5B

1

GD2:PORT24-RX-1

FIBER / F6A

1

GD2:PORT23-TX-1

FIBER / F6B

1

CBCB1:PORT0-RX-1

FIBER / F7A

1

CBCB1:PORT0-TX-1

FIBER / F7B

1

PORT0-TX

PORT0-RX

PORT1-TX

PORT1-RX

PORT2-TX

PORT2-RX

PORT3-TX

PORT3-RX

PORT4-TX

PORT4-RX

PORT5-TX

PORT5-RX

PORT6-TX

PORT6-RX

PORT7-TX

PORT7-RX

LAYERZERO

POWER SYSTEMS, INC.

JOB

DRAWN

DATE

8/9/2023

CHK

DATE

APPR

DATE

PAGE DESCRIPTION

SCHEMATIC, Series 70 eSTS

DWG NO

94-ES-11217-2

REV

A

SHEET 24 OF 33

 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
	CHK	DATE		
	APPR	DATE	SHEET 25 OF 33	

SEB1

SYSTEM EXPANSION BOARD

MTA

- P1-1 IS3AP
- P1-2 IS3AN
- P1-3 IS3BP
- P1-4 IS3BN
- P1-5 IS3CP
- P1-6 IS3CN
- P1-7 IS3NP
- P1-8 IS3NN
- P1-9 IS3GP
- P1-10 IS3GN

BLOCKMASTER

- P2-1 VS3A
- P2-2 VS3B
- P2-3 VS3C
- P2-4 VS3N

BLOCKMASTER

- P10-1 VS1
- P10-2 VS2
- P10-3 VS3
- P10-4 VSOUT

FIBER

- GD1:PORT16-RX-1 FIBER / F8A 1 GRY PORT12-TX
- GD1:PORT15-TX-1 FIBER / F8B 1 BLU PORT12-RX
- GD2:PORT16-RX-1 FIBER / F9A 1 GRY PORT13-TX
- GD2:PORT15-TX-1 FIBER / F9B 1 BLU PORT13-RX
- GRY PORT14-TX
- BLU PORT14-RX
- GRY PORT15-TX
- BLU PORT15-RX

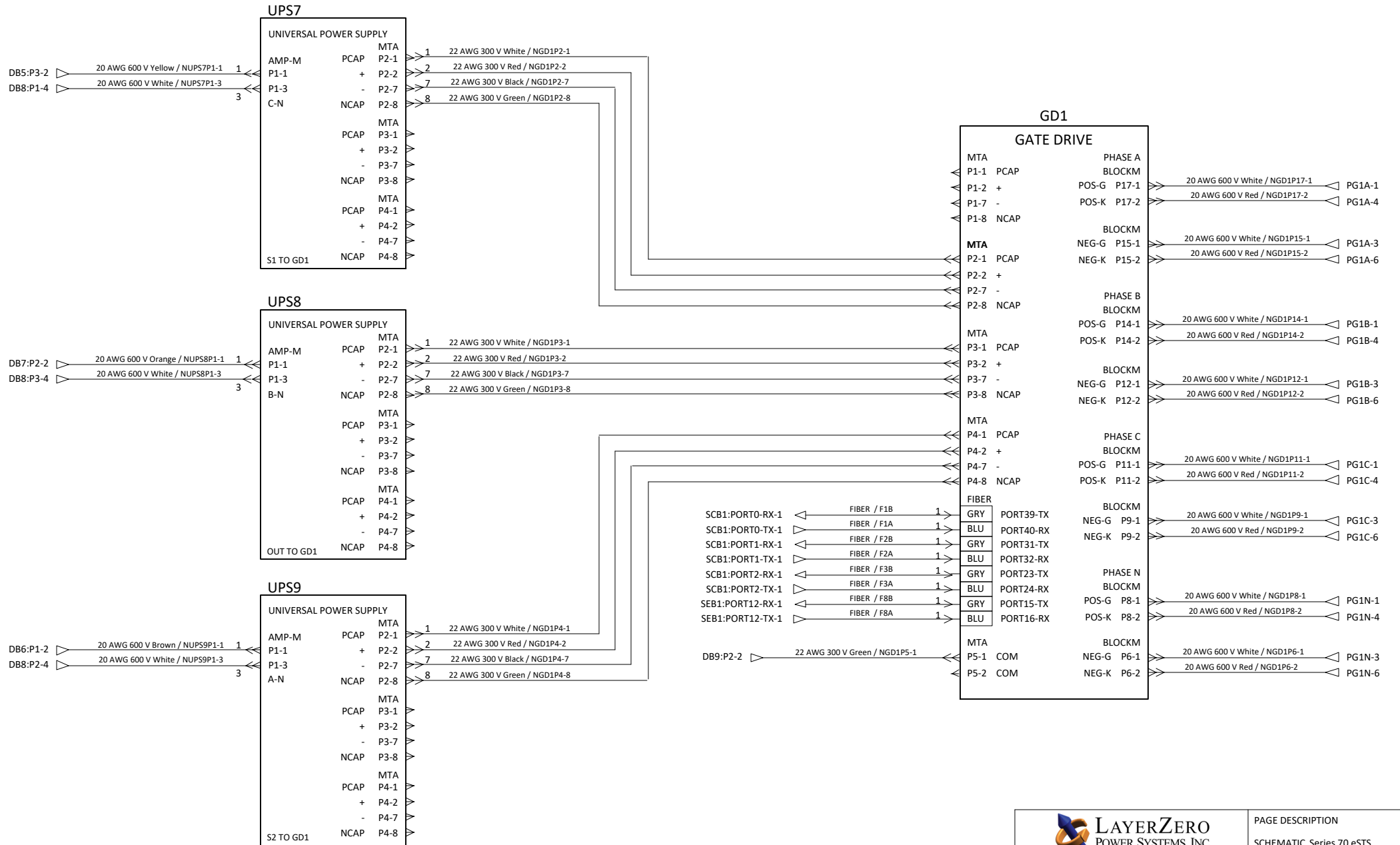
SDB1:P23 / SDB1P23-SEB1P8 P8-STACKING CONN

NEUT SCR STATUS

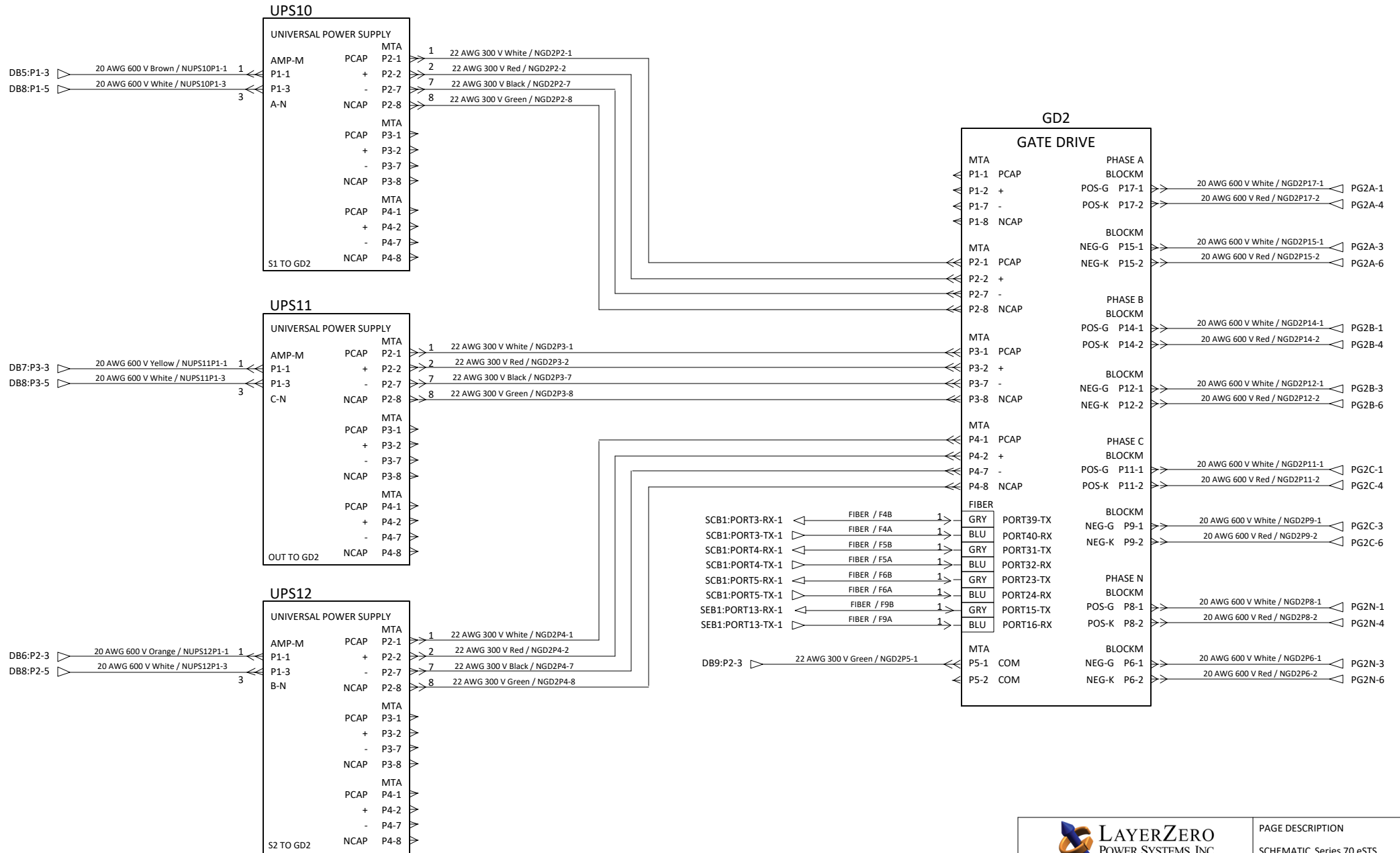


PAGE DESCRIPTION
SCHEMATIC, Series 70 eSTS

JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
	CHK	DATE		
	APPR	DATE	SHEET 26 OF 33	



 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
	CHK	DATE		
	APPR	DATE	SHEET 28 OF 33	



 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
	CHK	DATE		
	APPR	DATE	SHEET 30 OF 33	

 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
	CHK	DATE		
	APPR	DATE	SHEET 31 OF 33	

 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
	CHK	DATE		
	APPR	DATE	SHEET 32 OF 33	

 LAYERZERO POWER SYSTEMS, INC.			PAGE DESCRIPTION SCHEMATIC, Series 70 eSTS	
JOB LZ-11217	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11217-2	REV A
	CHK	DATE		
	APPR	DATE	SHEET 33 OF 33	