

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

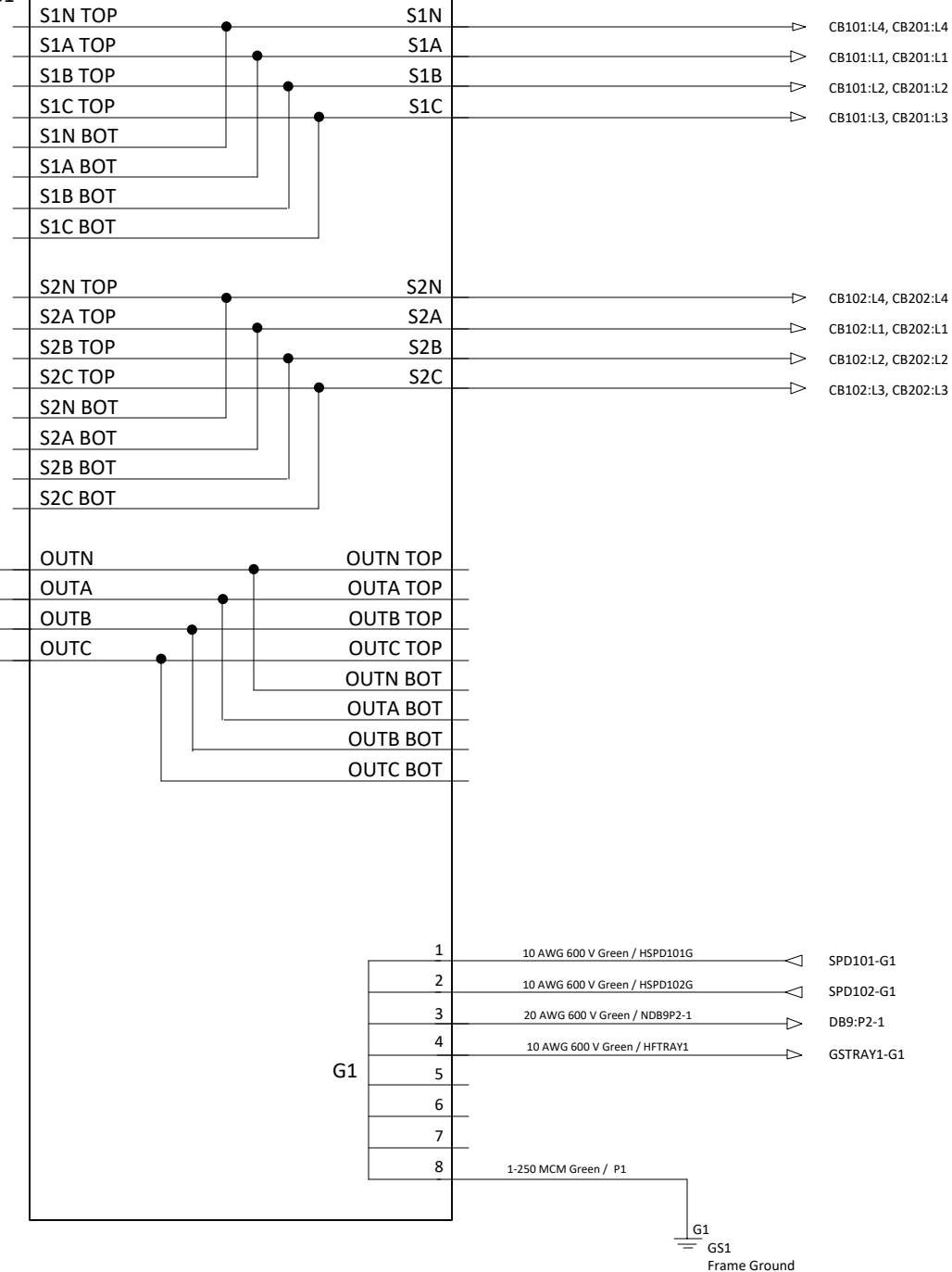
WHITE FOR A WIRE
RED FOR B WIRE
YELLOW FOR J WIRE



PAGE DESCRIPTION
SCHEMATIC, Series 70 eSTS

JOB LZ-11135	DRAWN	DATE 8/9/2023	DWG NO 94-ES-11135-2	REV A
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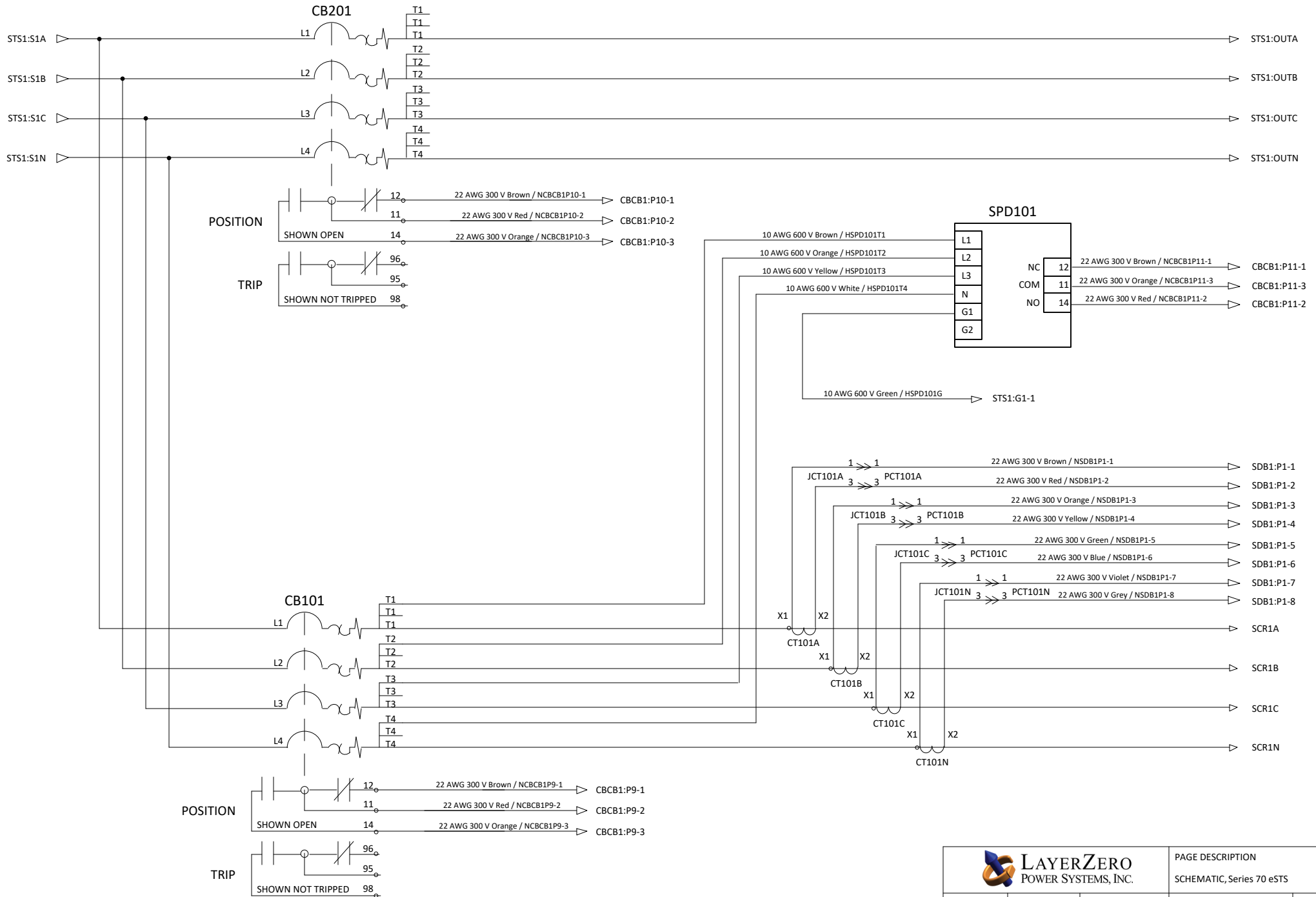
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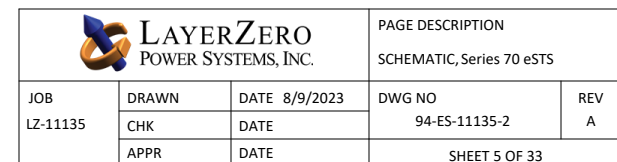
INPUT VOLTAGE	277/480V
CURRENT	3000A
REDUNDANCY	SMR
NUMBER OF POLES	4-pole
NUMBER OF WIRES	4-wire

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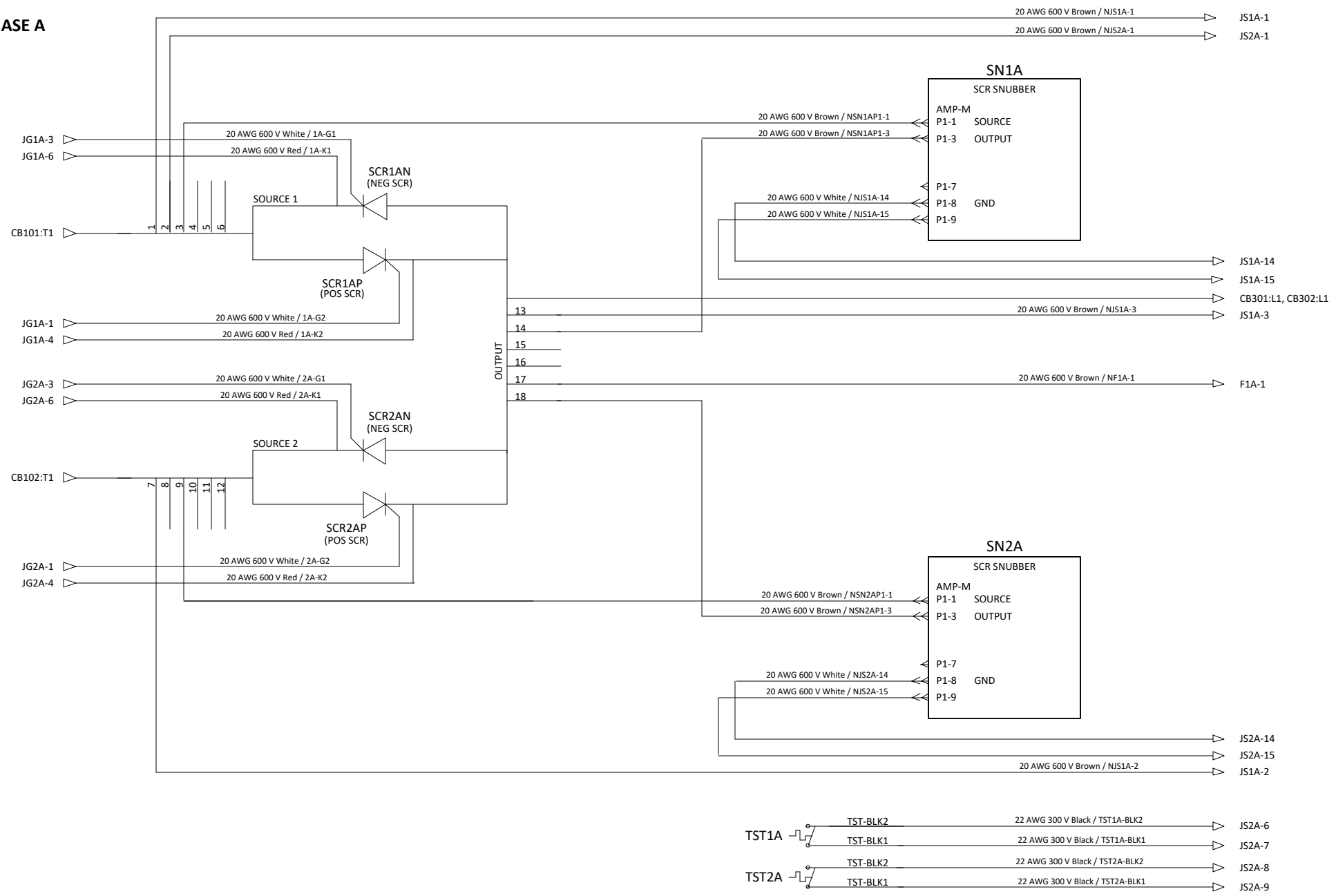
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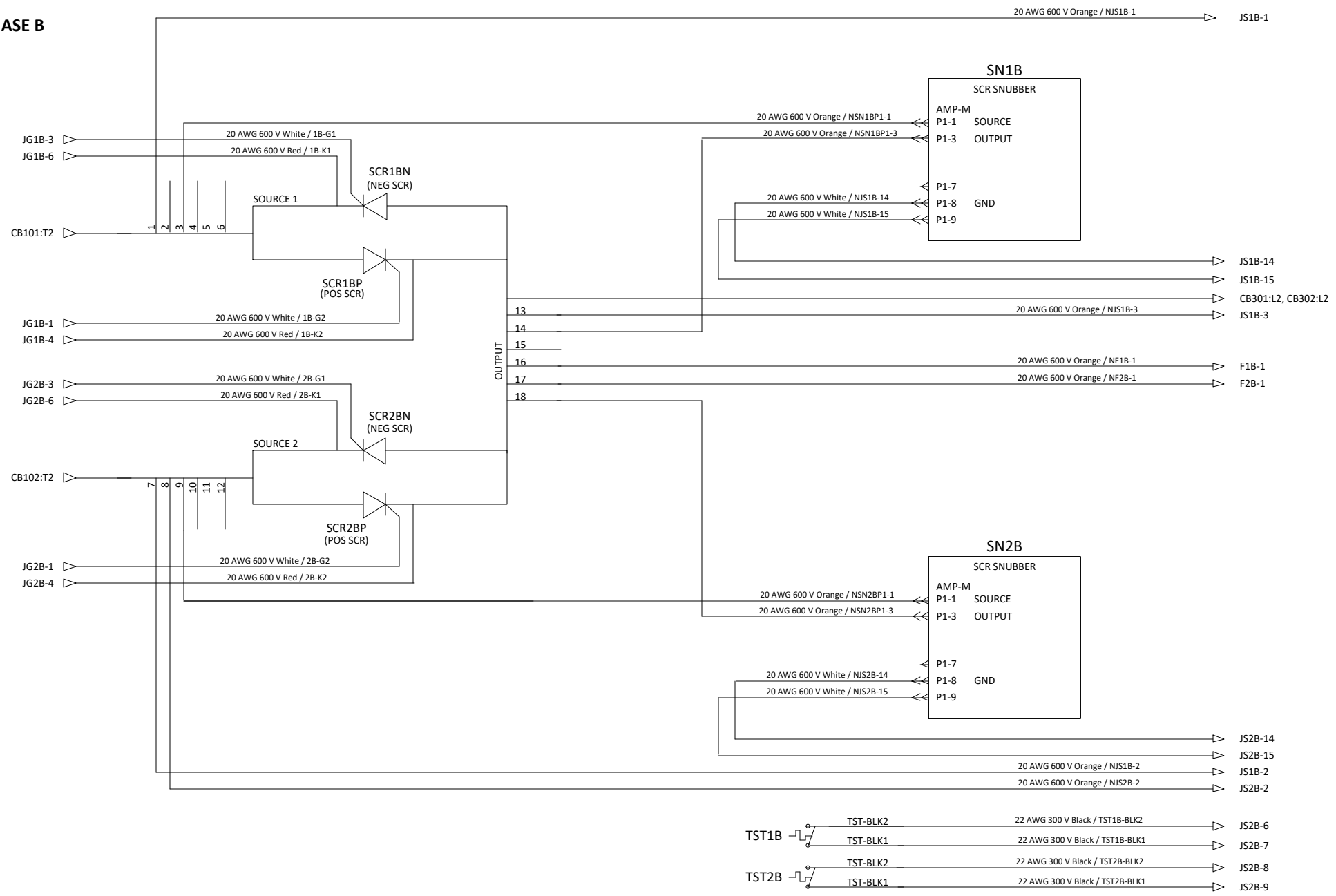
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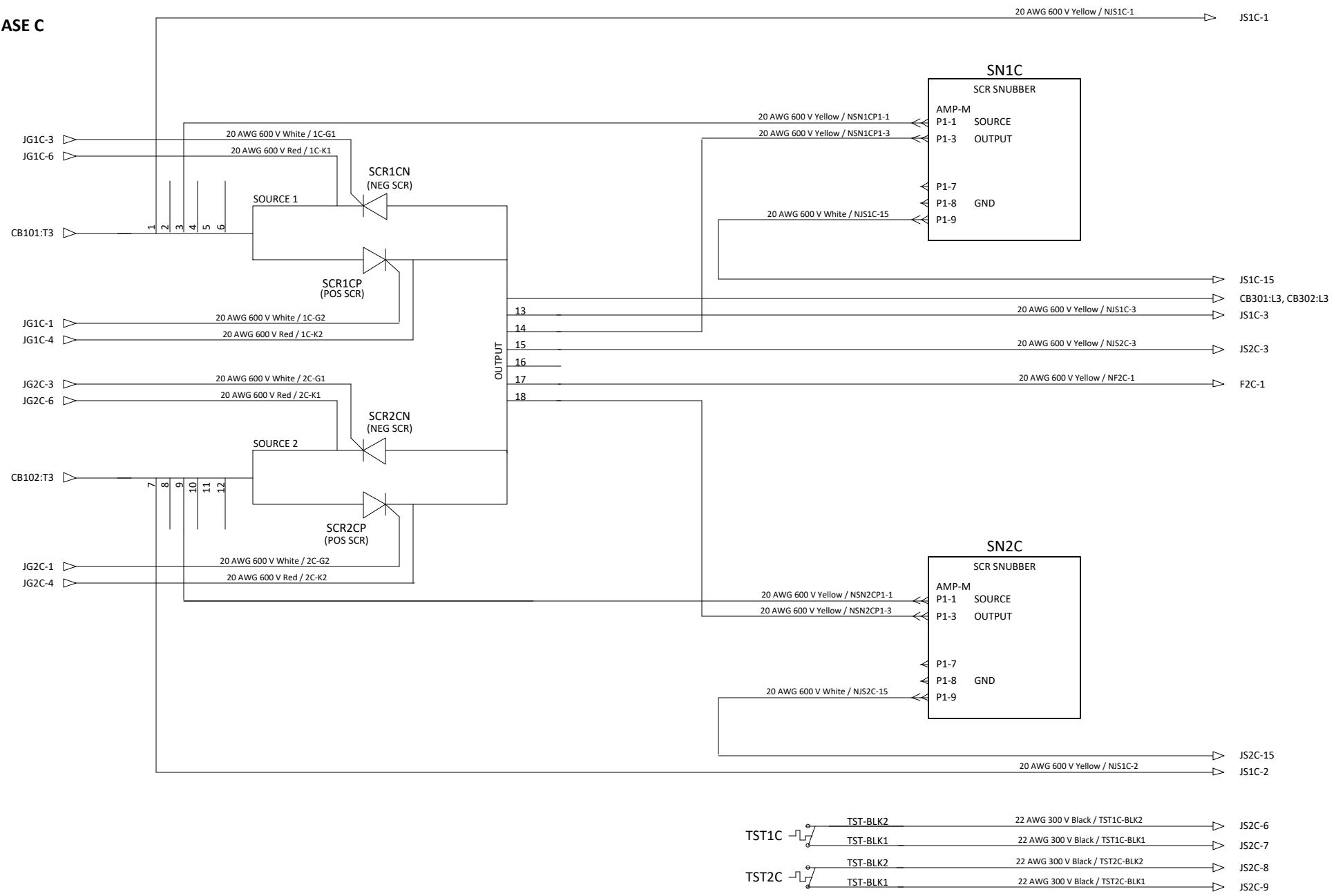
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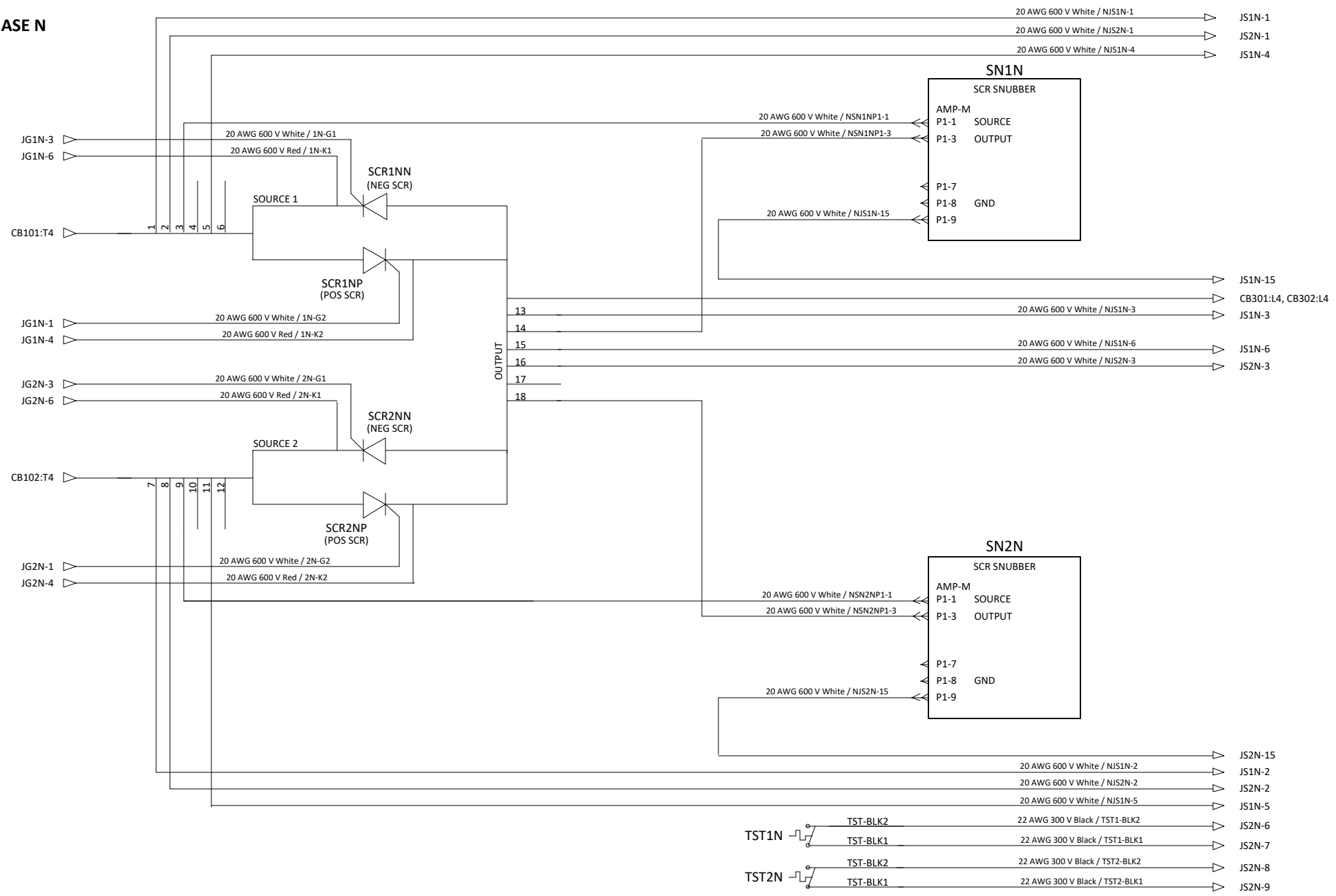


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PHASE C



PHASE N



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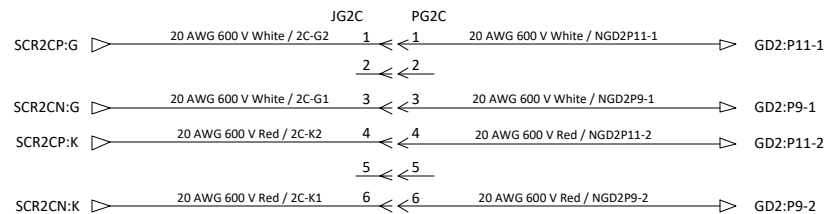
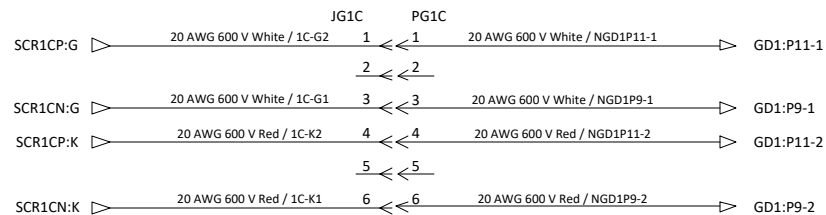
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SOCKET TERMINALS

SHELL HOUSING
PIN TERMINALS



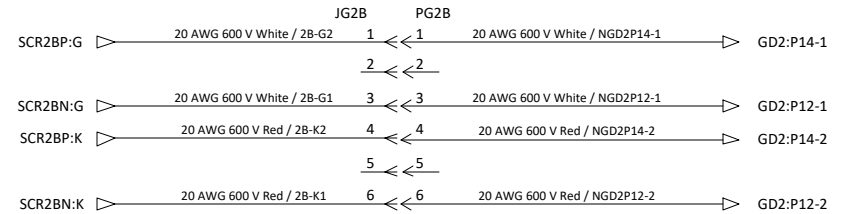
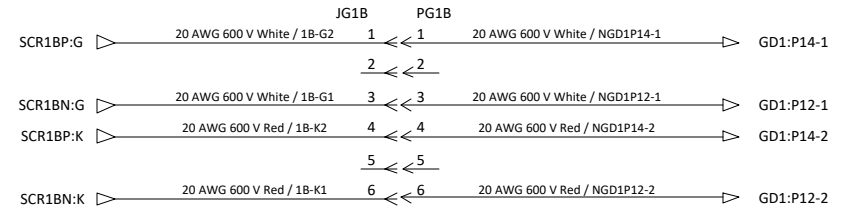
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SOCKET TERMINALS

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PIN TERMINALS



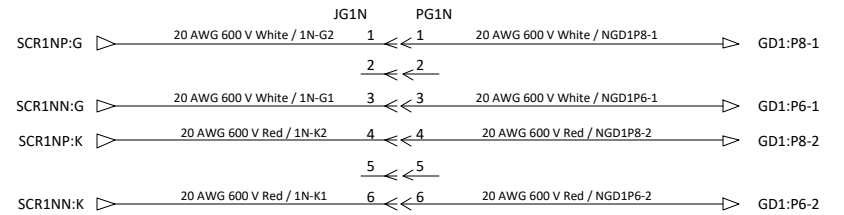
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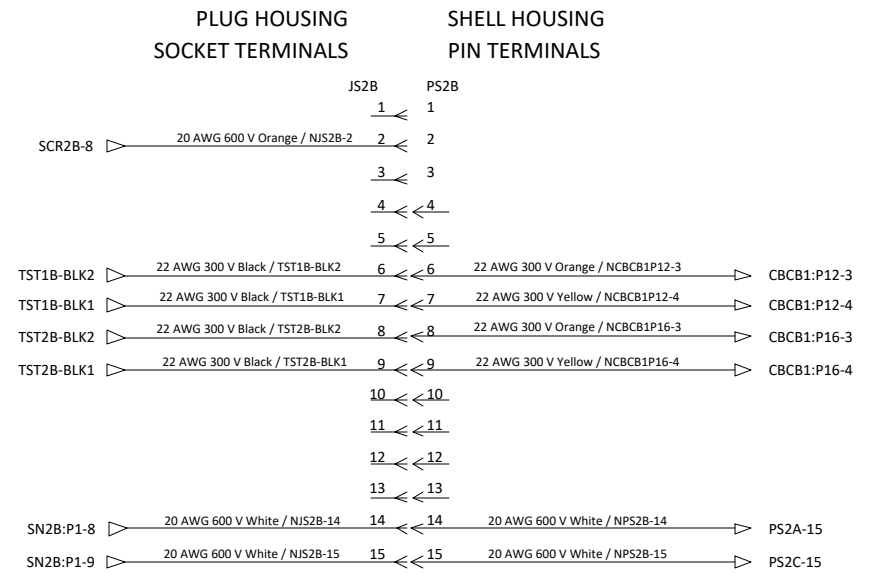
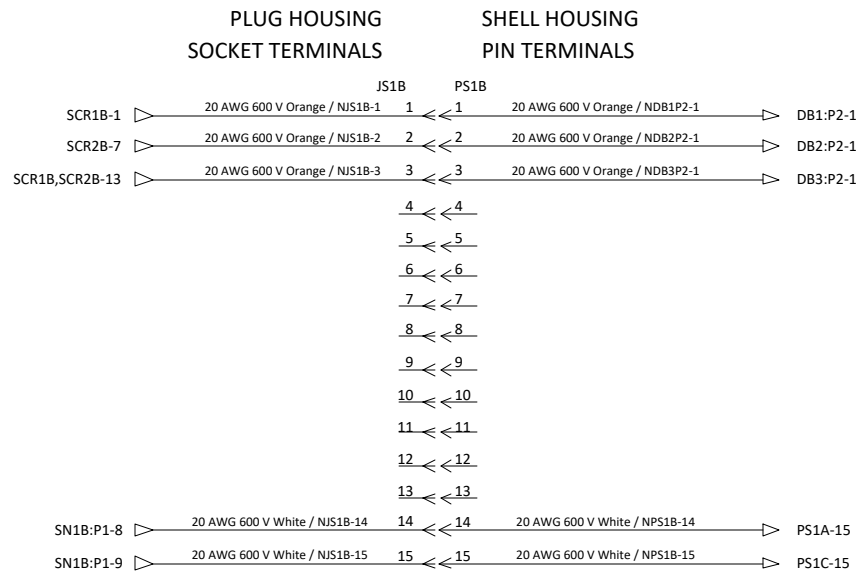
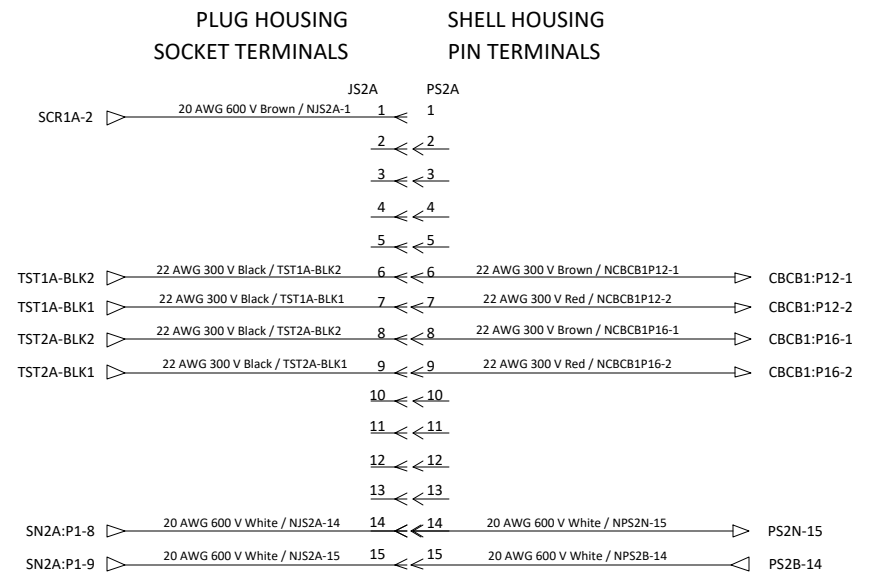
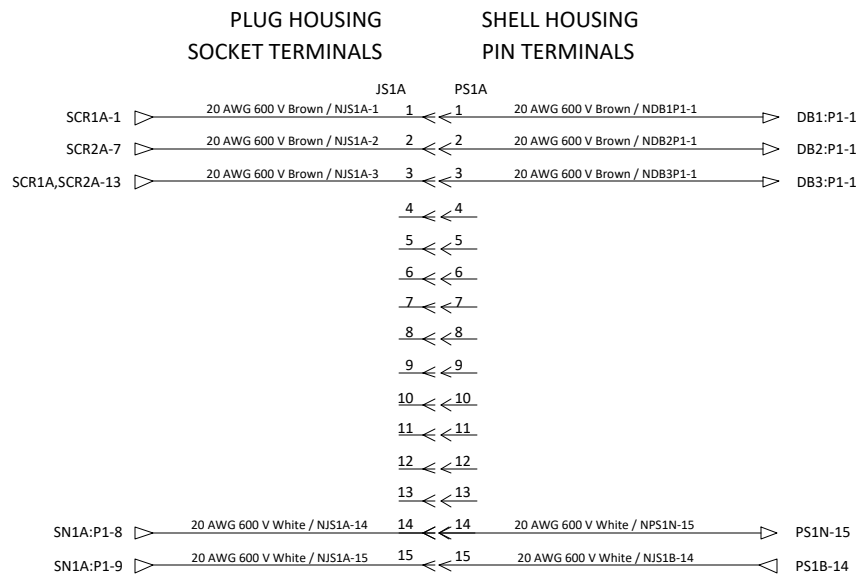
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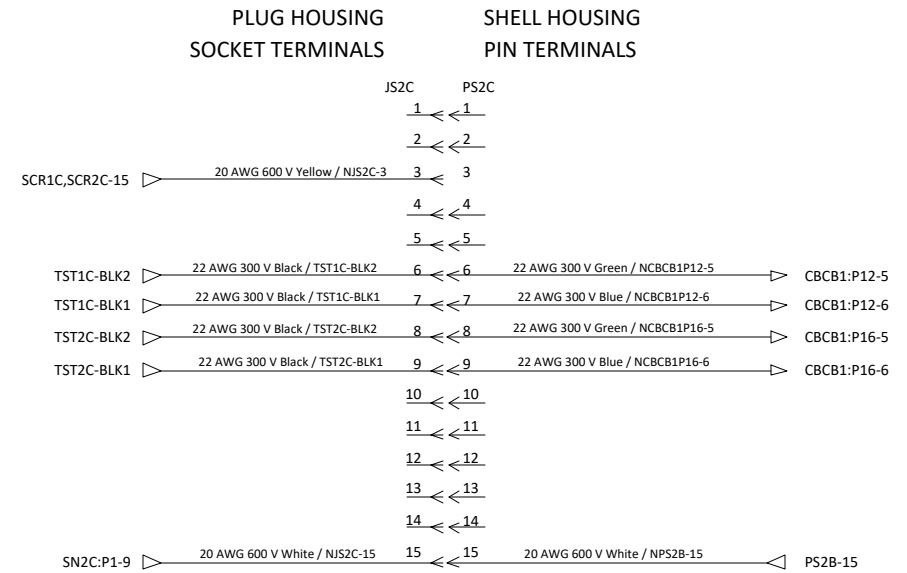
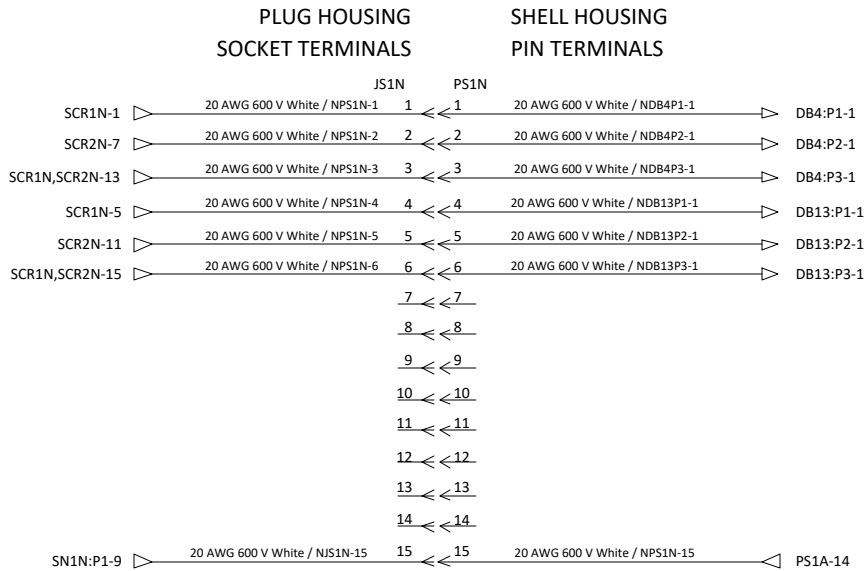
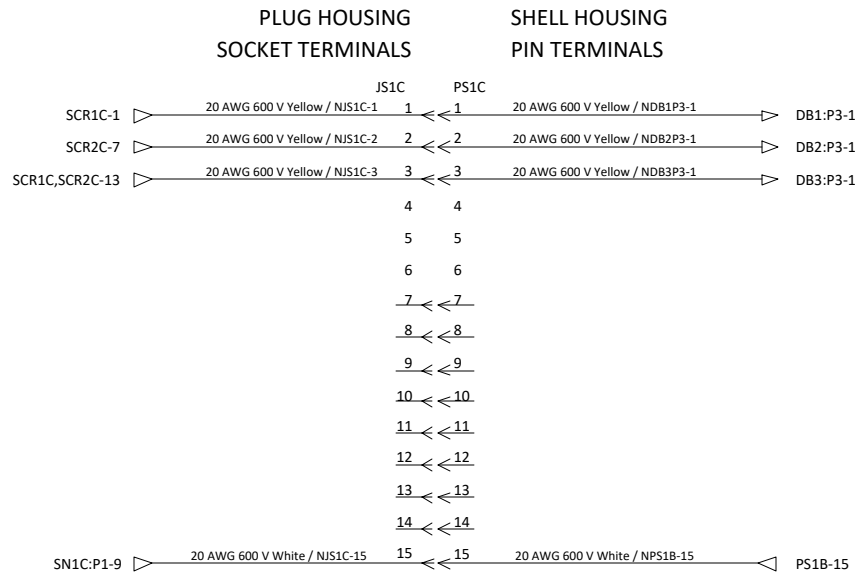
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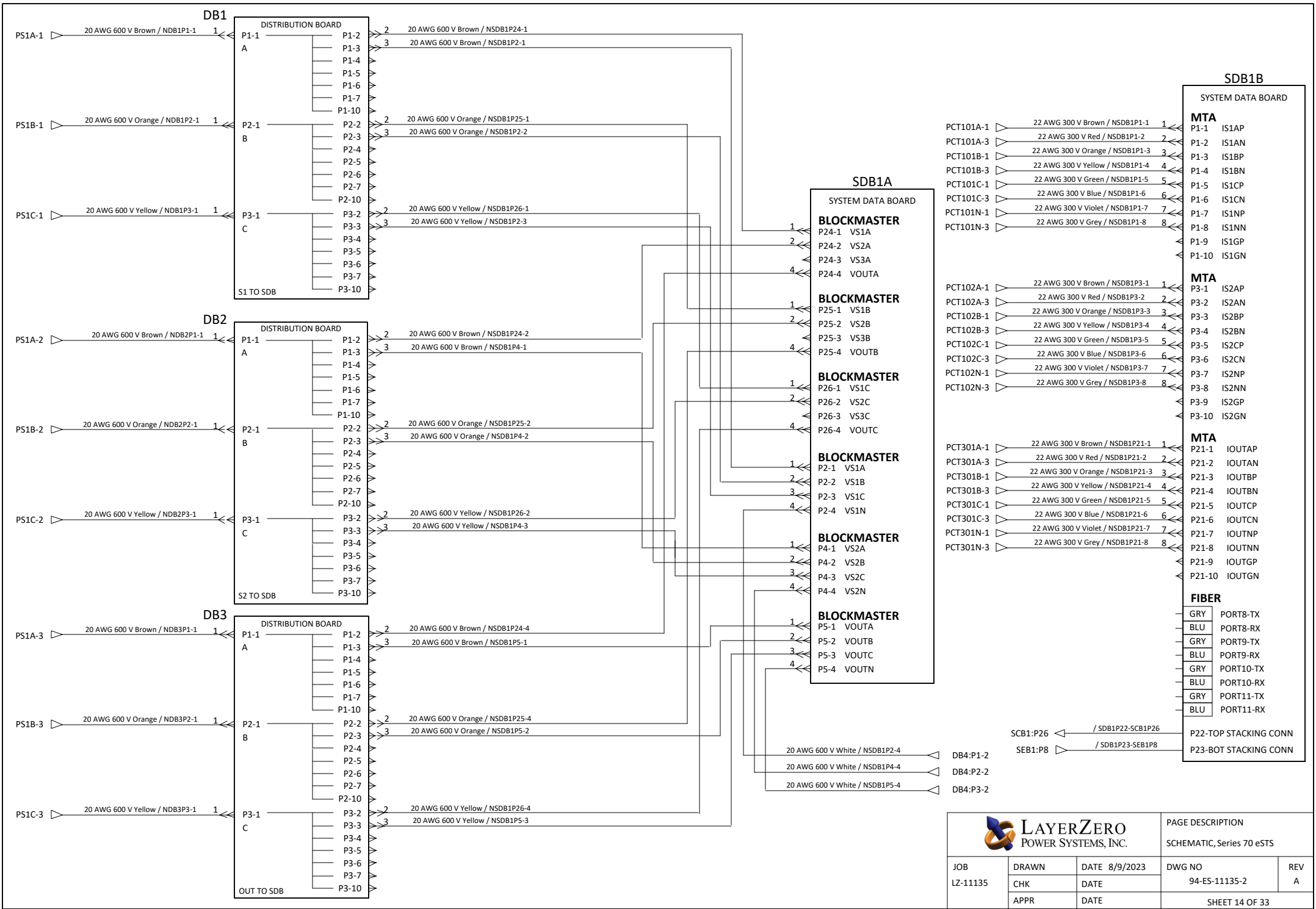
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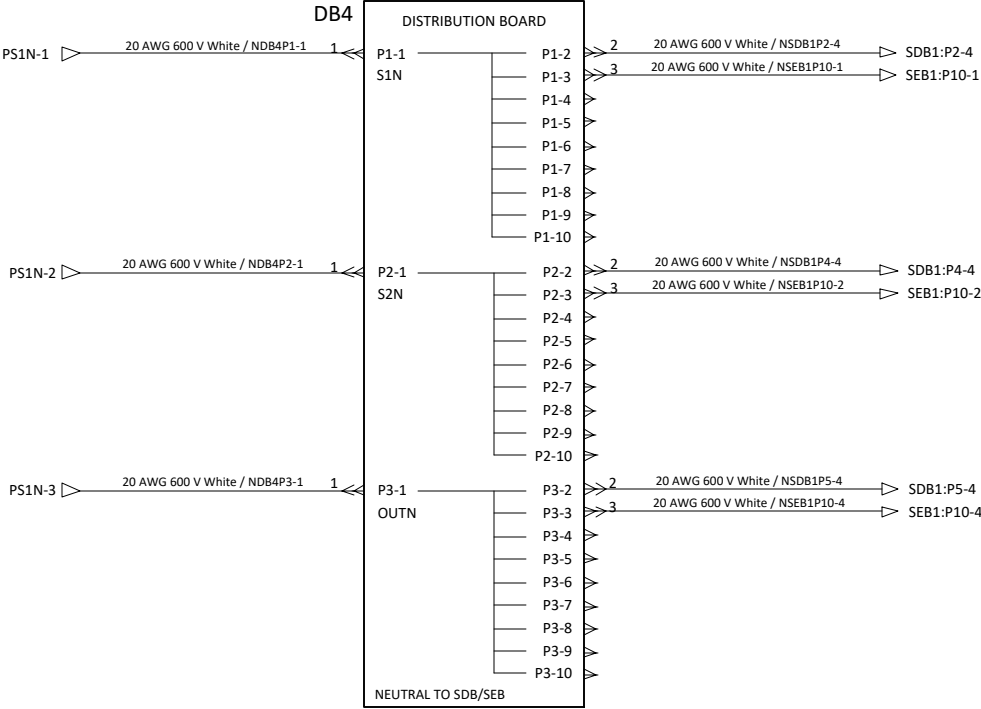


LAYERZERO
POWER SYSTEMS, INC.

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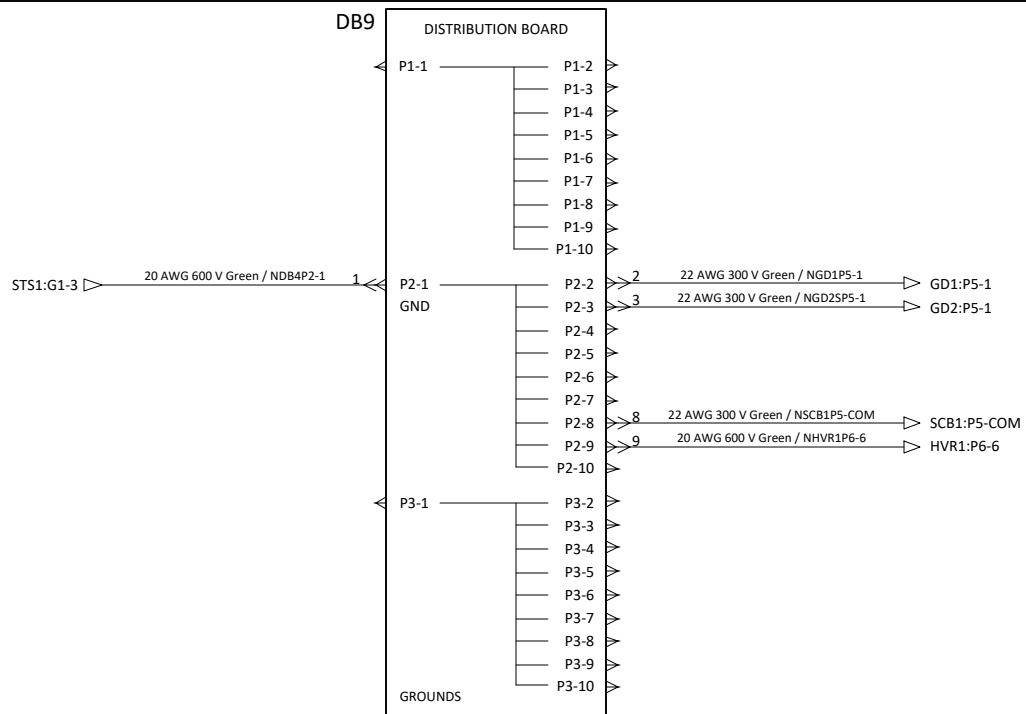
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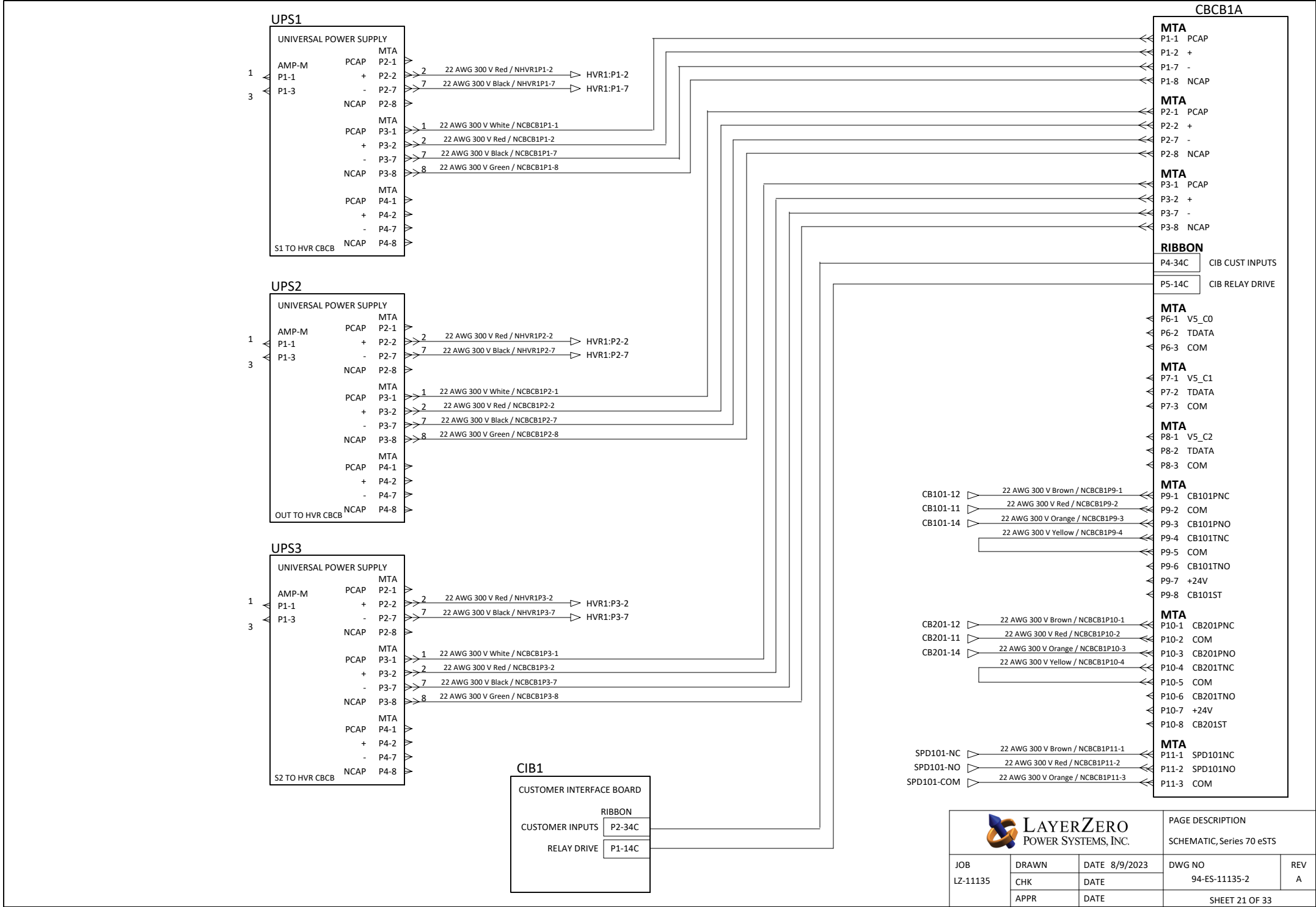
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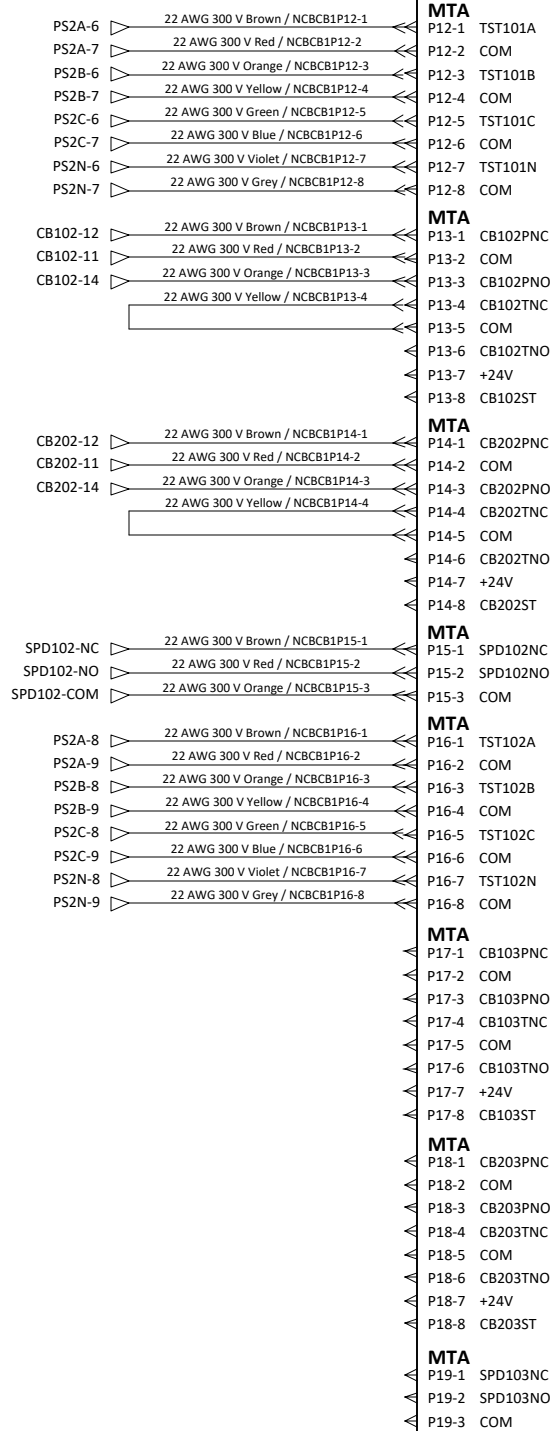
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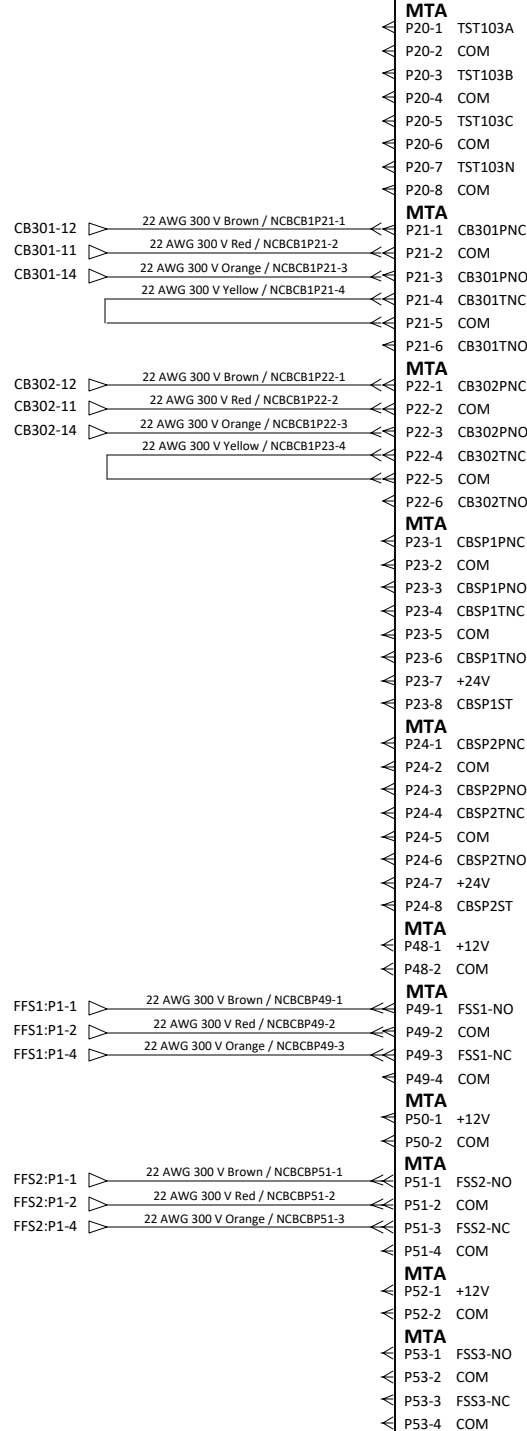
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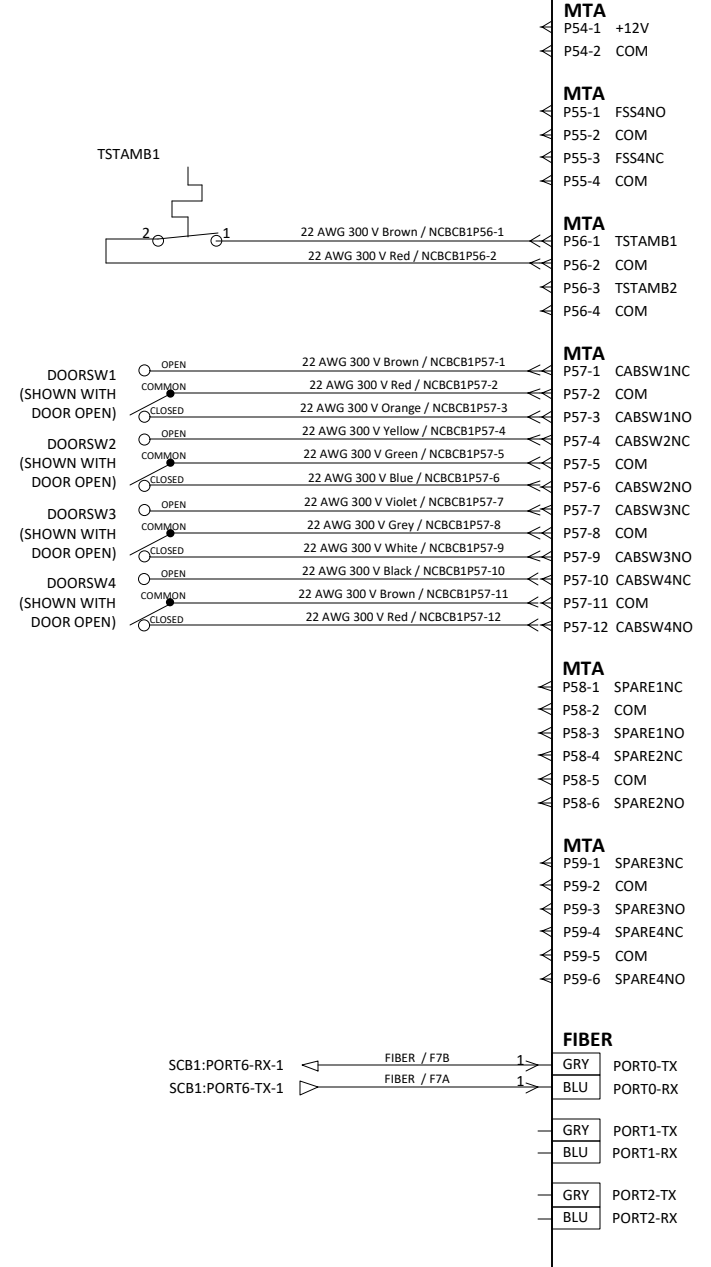
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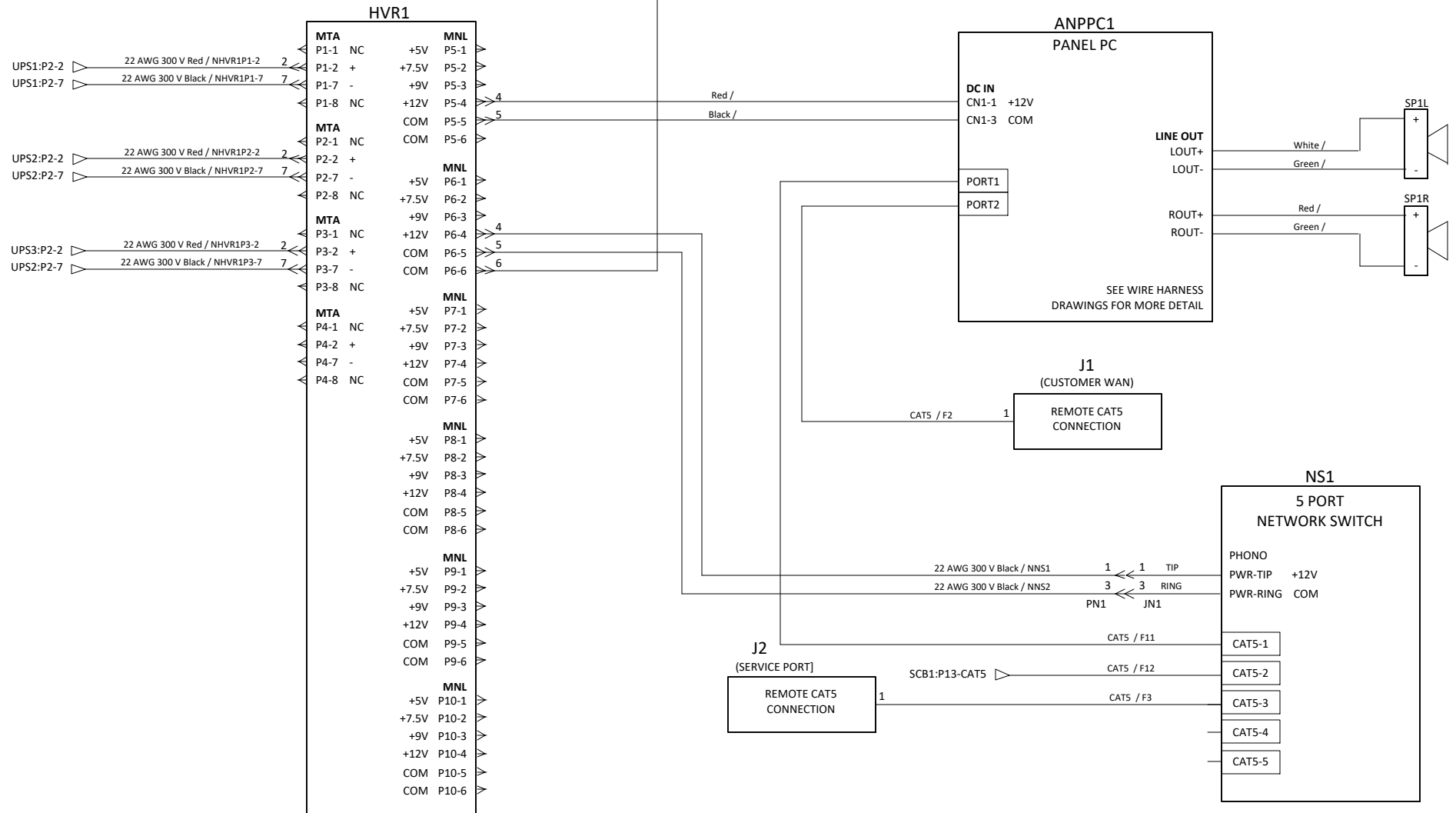


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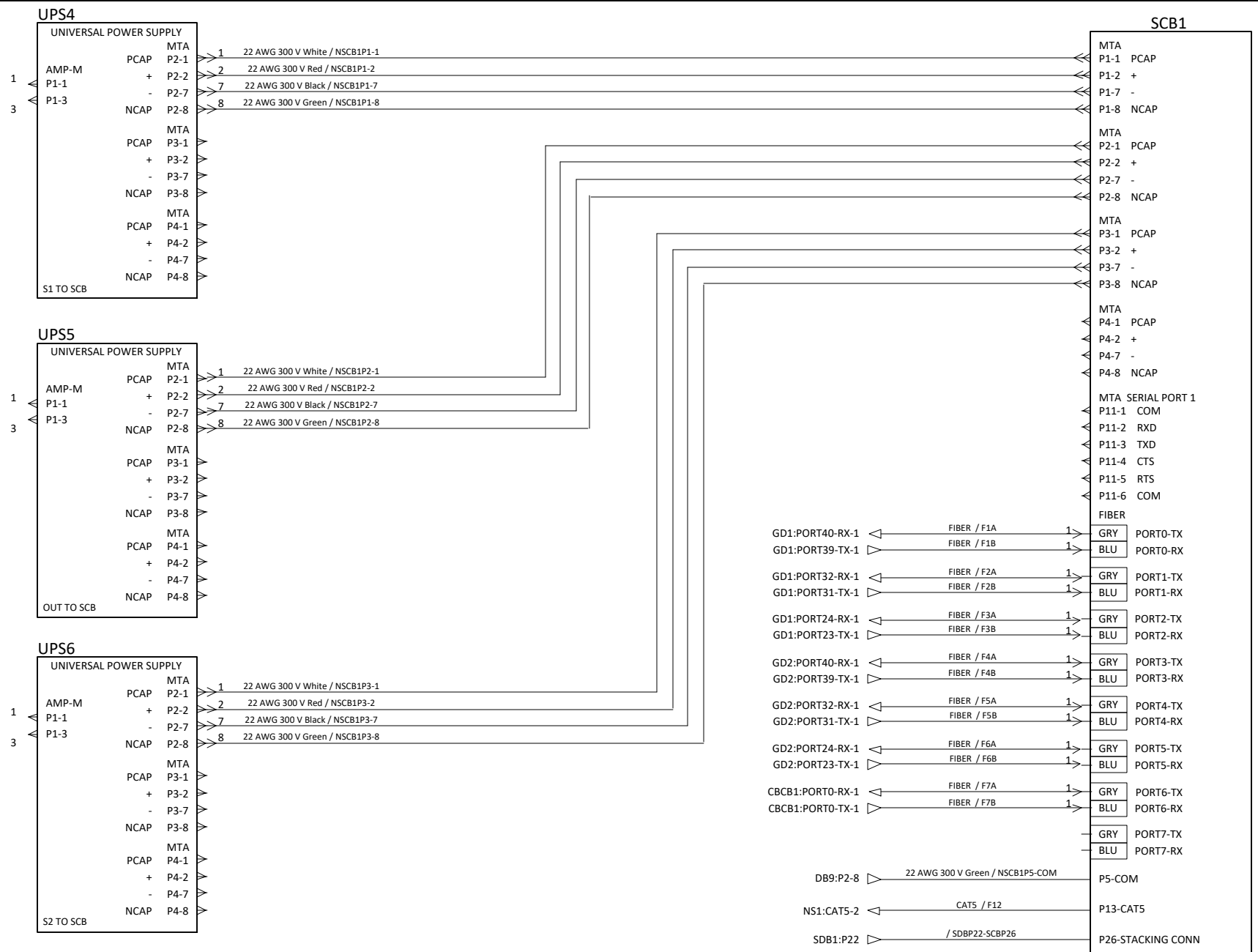
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DB9:P2-9 20 AWG 600 V Green / NHVR1P6-6



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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

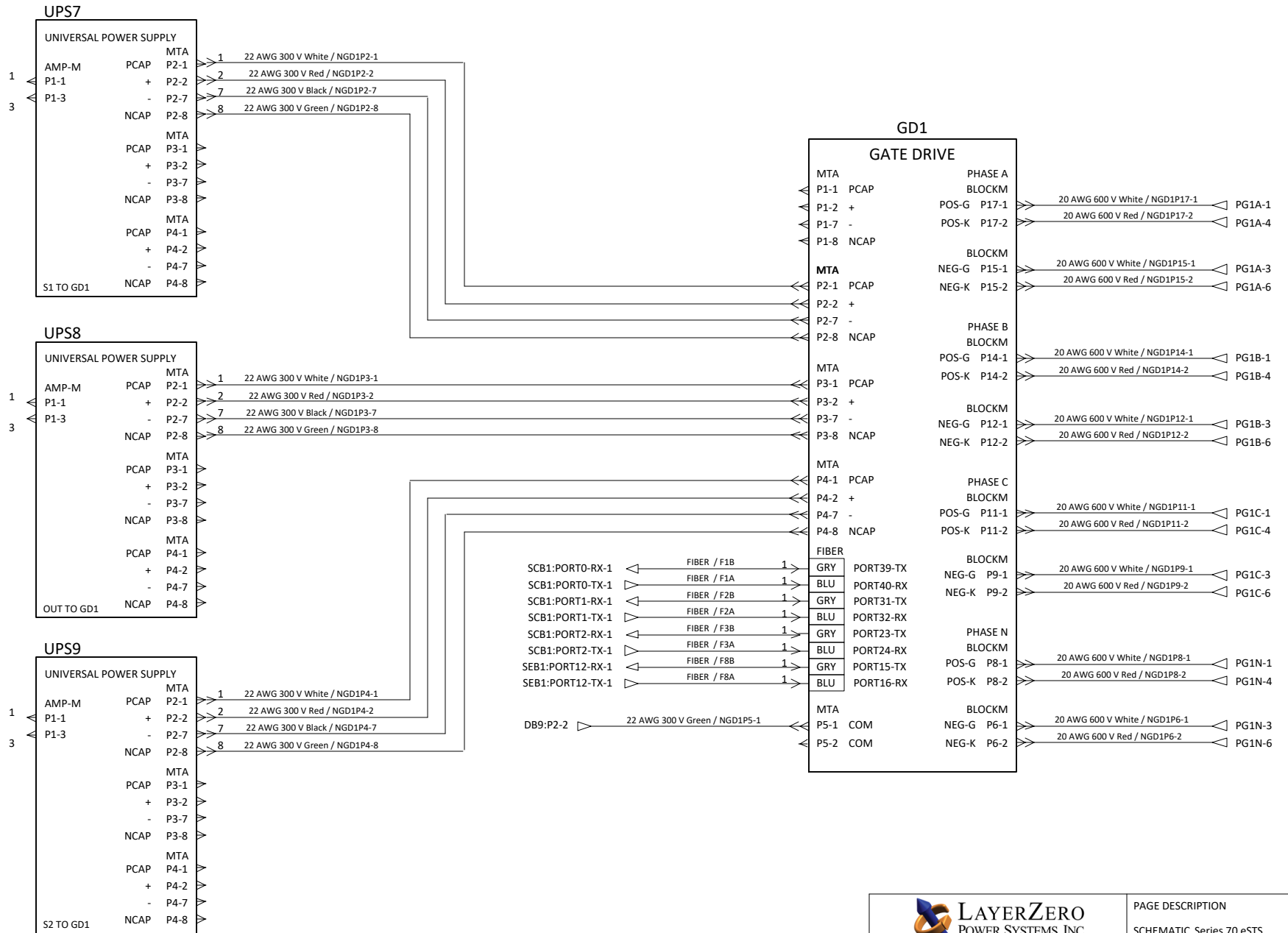
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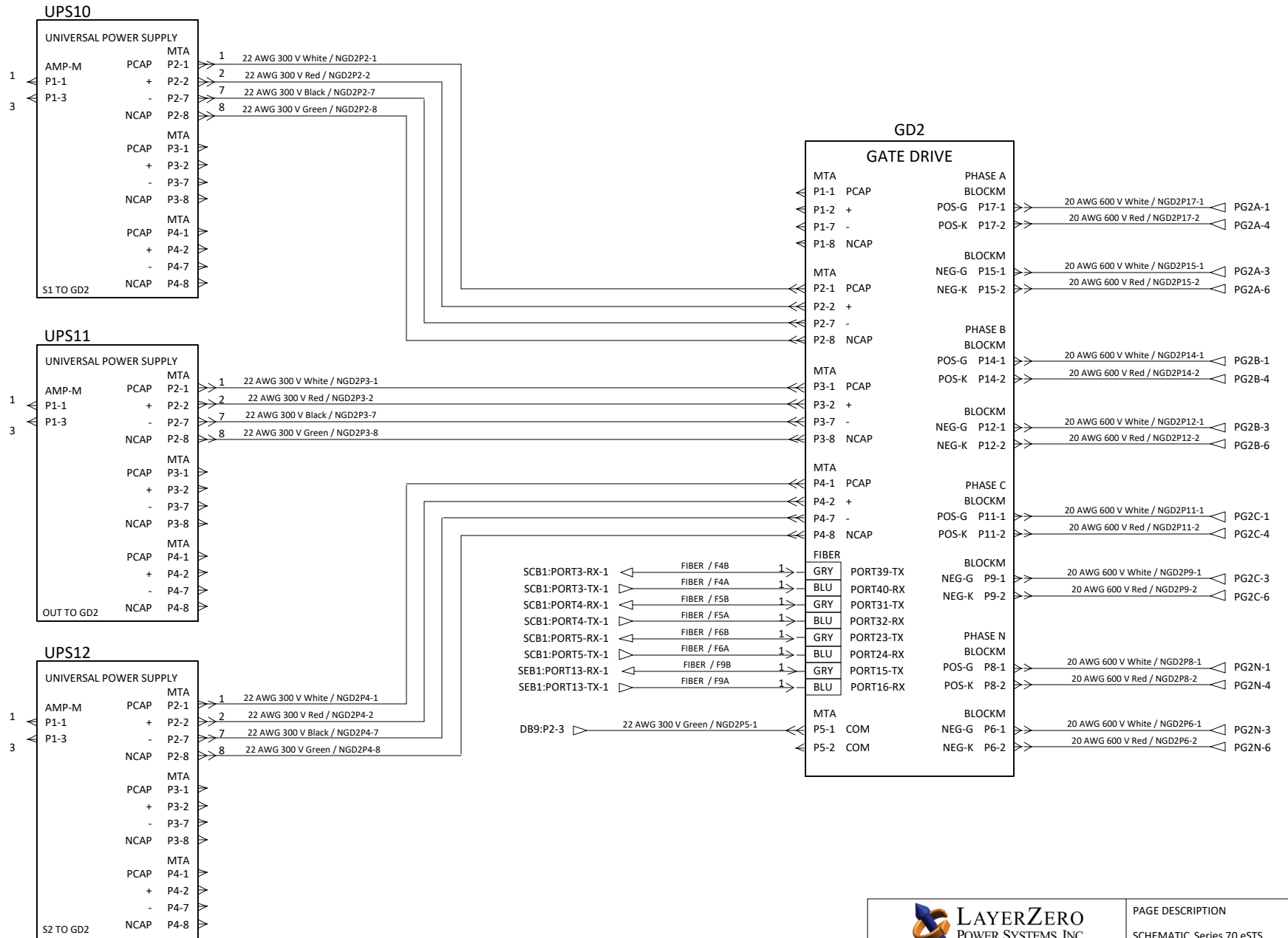
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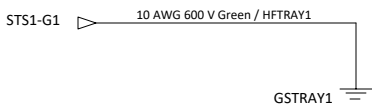
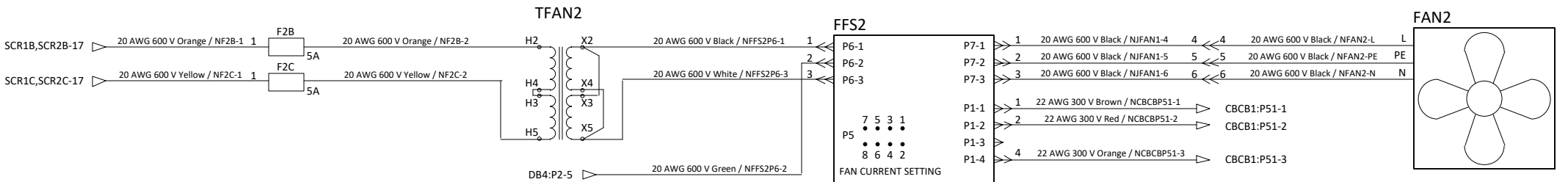
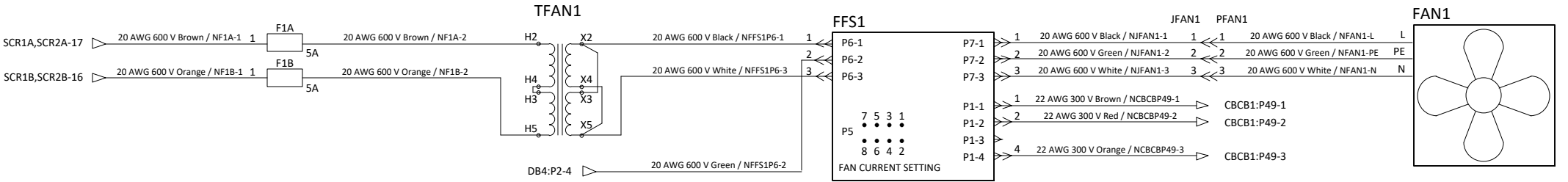


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