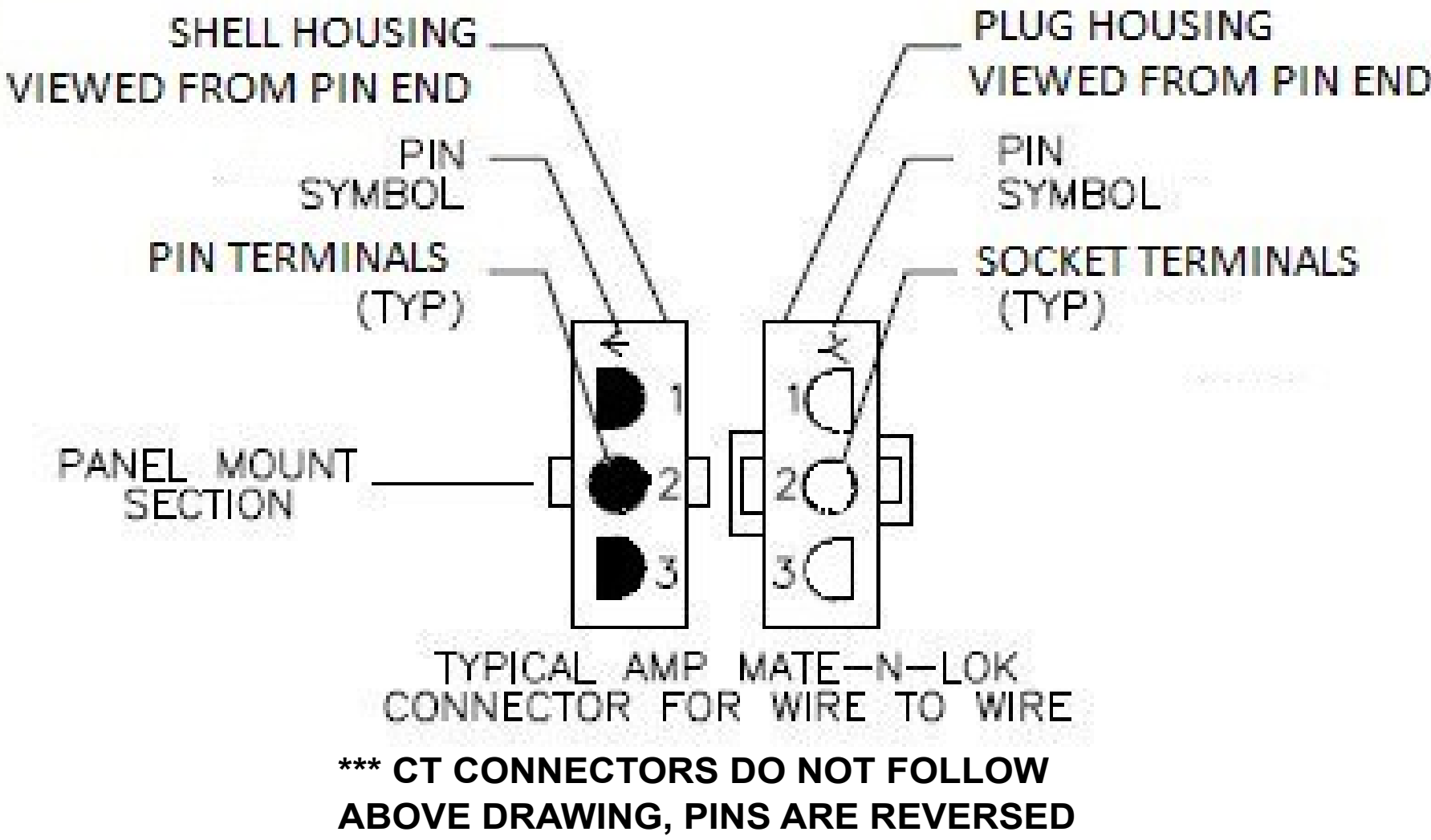
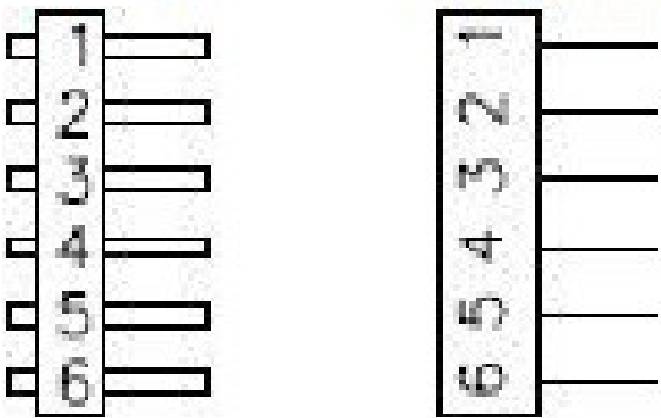


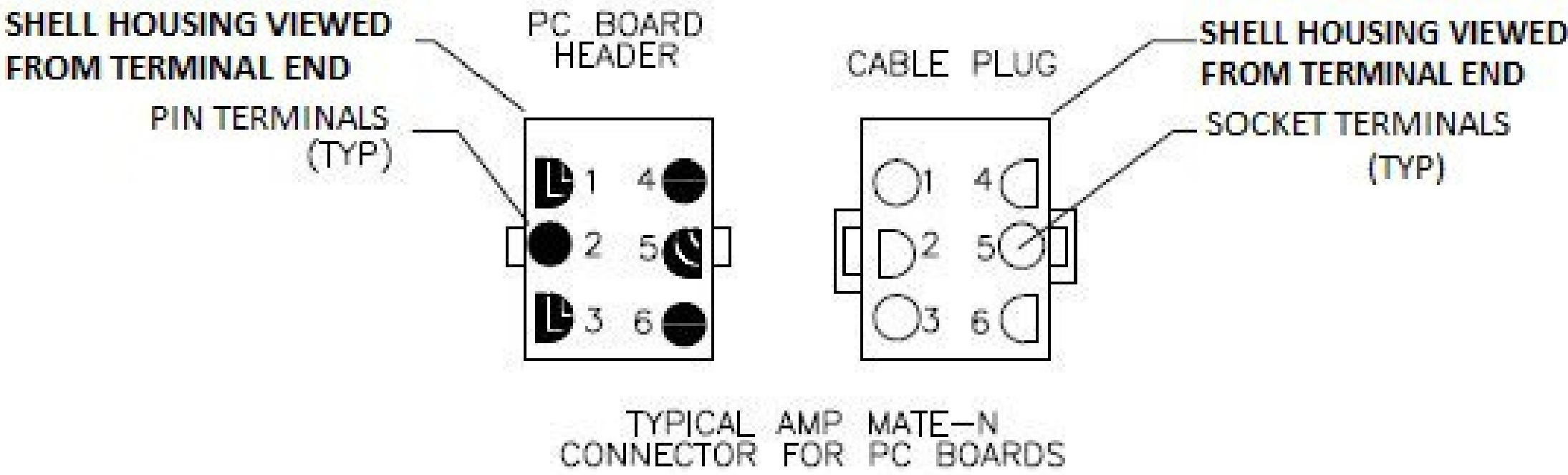


PC BOARD
HEADER
PIN TERMINALS

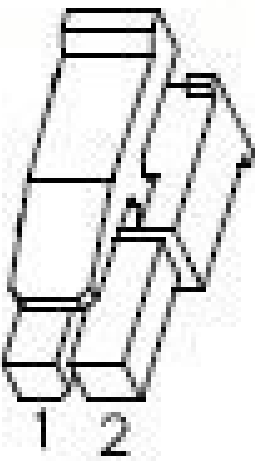
CABLE PLUG
SOCKET TERMINALS



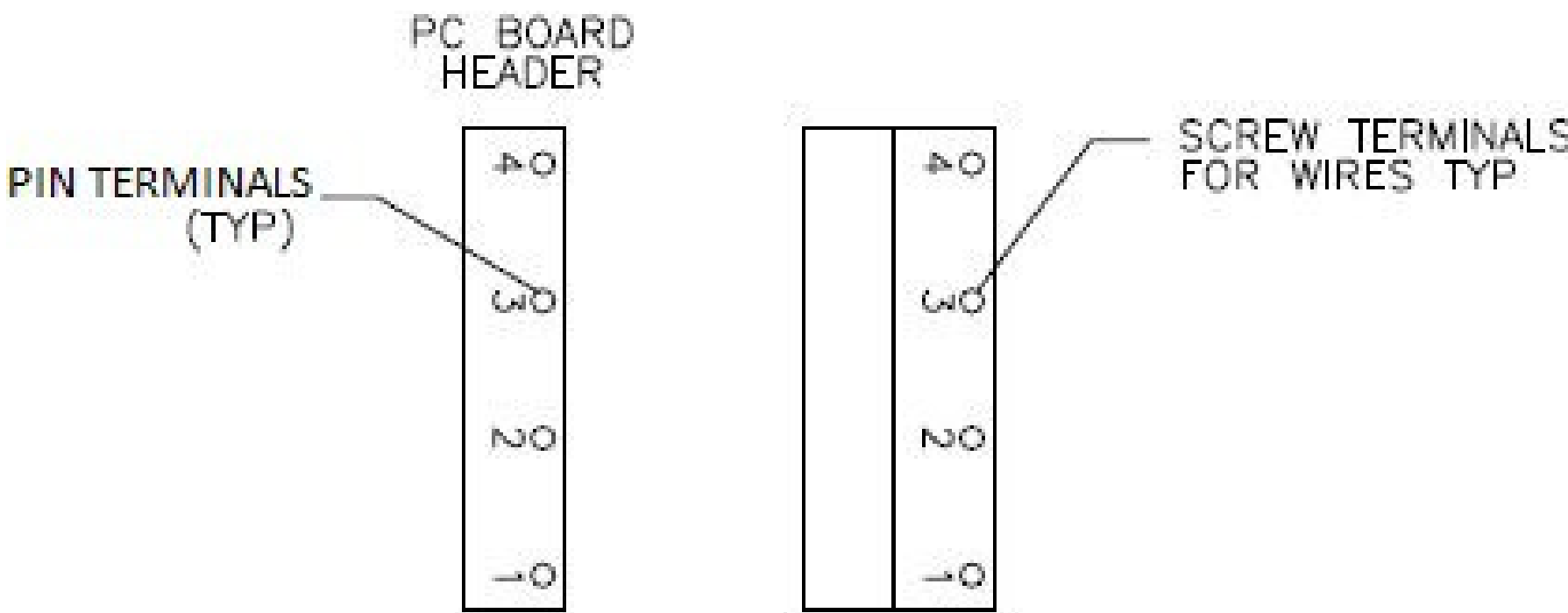
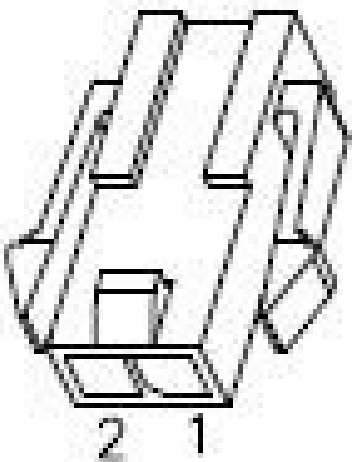
TYPICAL MTA CONNECTOR
FOR PC BOARDS



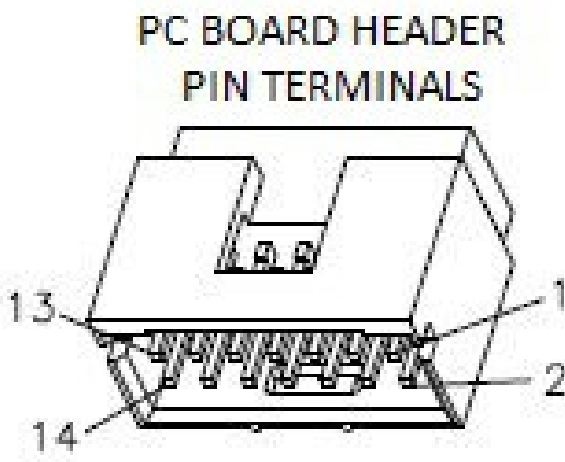
CT SECTION PLUG
HOUSING SOCKET
TERMINALS



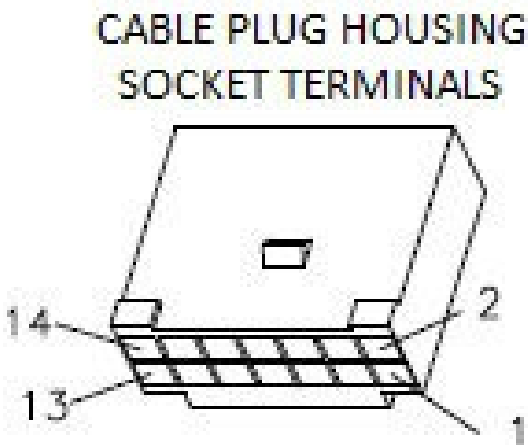
PANEL MOUNT SECTION
SHELL HOUSING PIN
TERMINALS



TYPICAL BLOCKMASTER
CONNECTOR FOR PC BOARDS



TYPICAL AMP AMPMODU
CONNECTOR FOR PC BOARDS



WIRE LEDGEND 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
F - FIBER CABLE
C - MULTI-CONDUCTOR CABLE
R - RIBBON CABLE
P - POWER WIRE (#2 AND UP)
FB - FLEXIBUS

WIRE COLORS, CONTROL WIRE:
1.BRN 2.RED 3.ORN 4.YEL
5.GRN 6.BLU 7.VIO 8.GRY
9.WHT 10.BLK 11.BRN 12 RED
13.ORN 14.YEL 15.GRN16.BLU
17.VIO 18.GRY 19.WHT

WIRE COLORS POWER VOLTAGE 480V
A-BRN B-ORN C- YEL

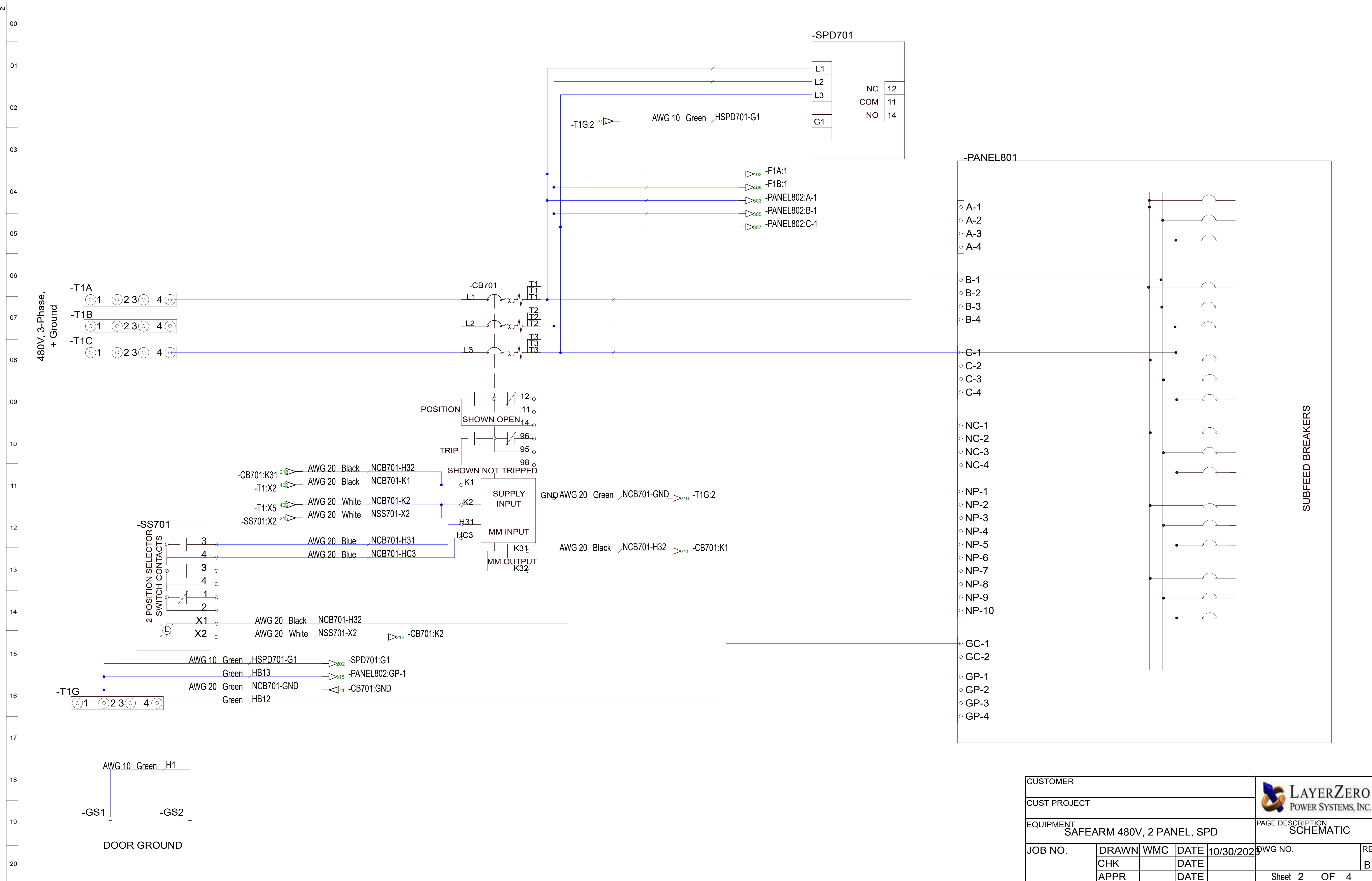
WIRE COLORS POWER VOLTAGE 120/208V
A-BLK B-RED C-BLU N-WHT G-GRN

IBM RESEARCH TRIANGLE PARK
WIRE COLORS POWER VOLTAGE 480V
A-BLK B-RED C-BLU N-WHT G-GRN
WIRE COLORS POWER VOLTAGE 120/208V
A-BLK B-BLU C-RED N-WHT G-GRN

CANADA COLORS – PHASE ID ONLY FOR ALL VOLTAGES
A-RED B-BLK C-BLU N-WHT G-GRN

MTA PLUG COLORS
WHITE FOR A WIRE
RED FOR B WIRE
YELLOW FOR J WIRE

CUSTOMER						
CUST PROJECT						
EQUIPMENT SAFEARM 480V, 2 PANEL, SPD					PAGE DESCRIPTION SCHEMATIC	
JOB NO.	DRAWN	WMC	DATE	10/30/2023	DWG NO.	REV B
	CHK		DATE			
	APPR		DATE			
					Sheet 1 OF 4	



CUSTOMER						
CUST PROJECT						
EQUIPMENT SAFEARM 480V, 2 PANEL, SPD					PAGE DESCRIPTION SCHEMATIC	
JOB NO.	DRAWN	WMC	DATE	10/30/2023	DWG NO.	REV B
	CHK		DATE			
	APPR		DATE			
Sheet 2 OF 4						

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Brown HB4

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Orange HB5

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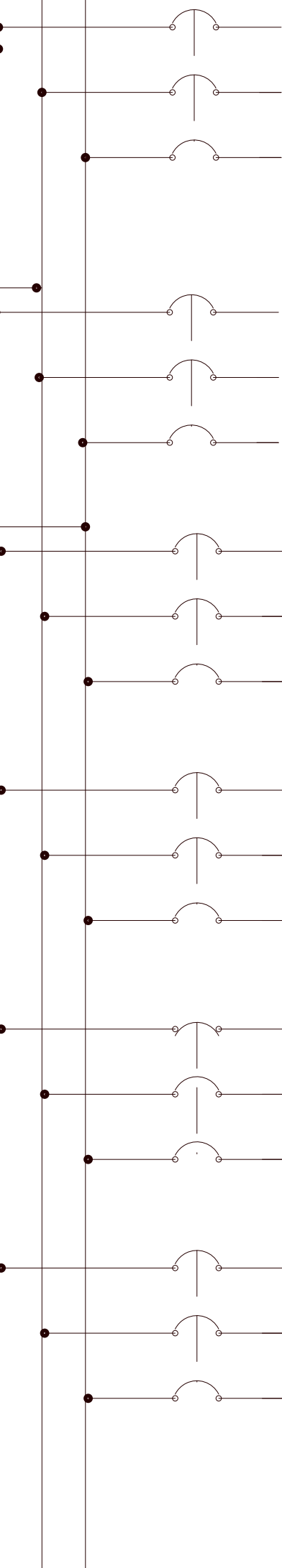
Yellow HB6

-T1G:2 20

Green HB13

-PANEL802

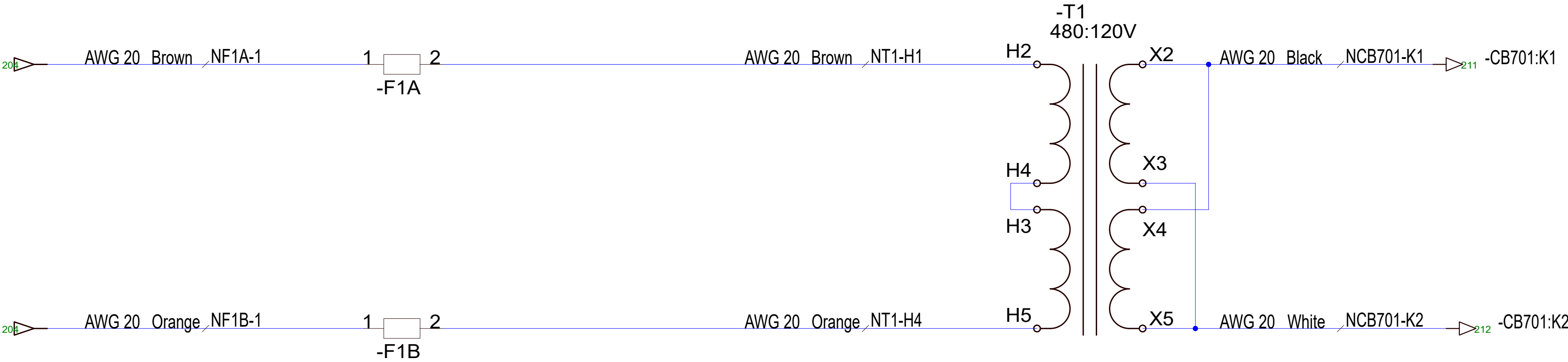
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- A-3
- A-4
- B-1
- B-2
- B-3
- B-4
- C-1
- C-2
- C-3
- C-4
- NC-1
- NC-2
- NC-3
- NC-4
- NP-1
- NP-2
- NP-3
- NP-4
- NP-5
- NP-6
- NP-7
- NP-8
- NP-9
- NP-10
- GC-1
- GC-2
- GP-1
- GP-2
- GP-3
- GP-4



SUBFEED BREAKERS

CUSTOMER						
CUST PROJECT						
EQUIPMENT SAFEARM 480V, 2 PANEL, SPD					PAGE DESCRIPTION SCHEMATIC	
JOB NO.	DRAWN	WMC	DATE	10/30/2023	DWG NO.	REV
	CHK		DATE			B
	APPR		DATE			
					Sheet 3 OF 4	

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CUSTOMER					 LAYERZERO POWER SYSTEMS, INC.	
CUST PROJECT						
EQUIPMENT SAFEARM 480V, 2 PANEL, SPD					PAGE DESCRIPTION SCHEMATIC	
JOB NO.	DRAWN	WMC	DATE	10/30/2023	DWG NO.	REV
	CHK		DATE			B
	APPR		DATE			
					Sheet 4 OF 4	