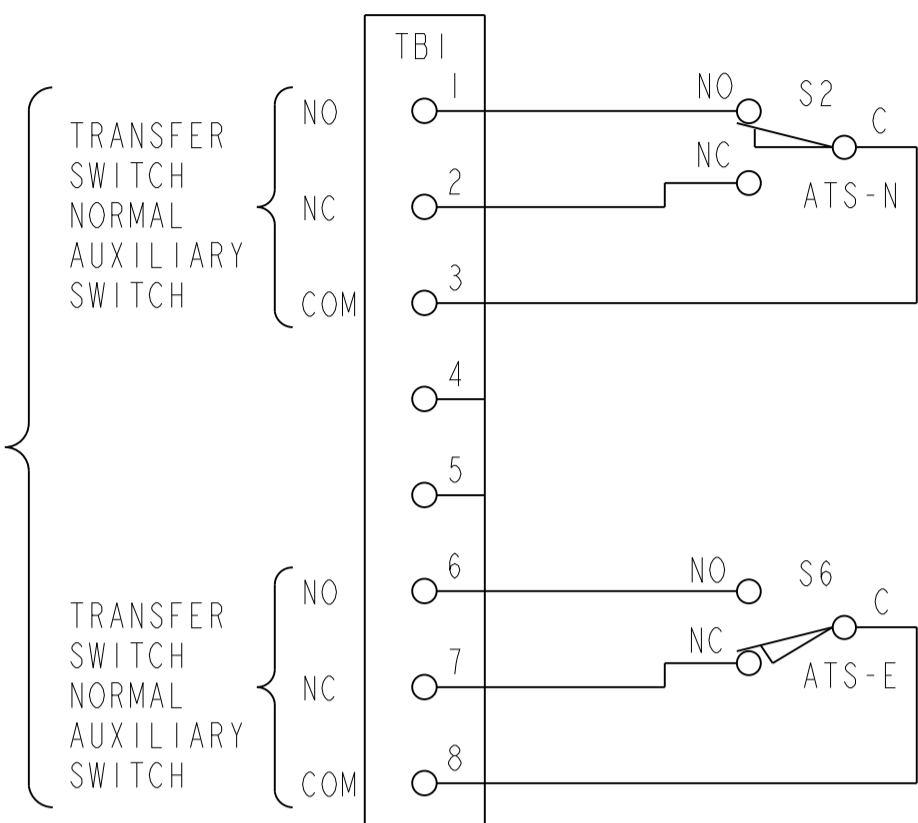


CUSTOMER CONNECTIONS

STANDARD CONNECTIONS

MOUNTED ON FRONT OF TRANSFER SWITCH, AVAILABLE ON ALL UNITS.



FOR CUSTOMER USE

TRANSFER SWITCH AUXILIARY CONTACTS RATED: 10 AMPS, 250 VAC

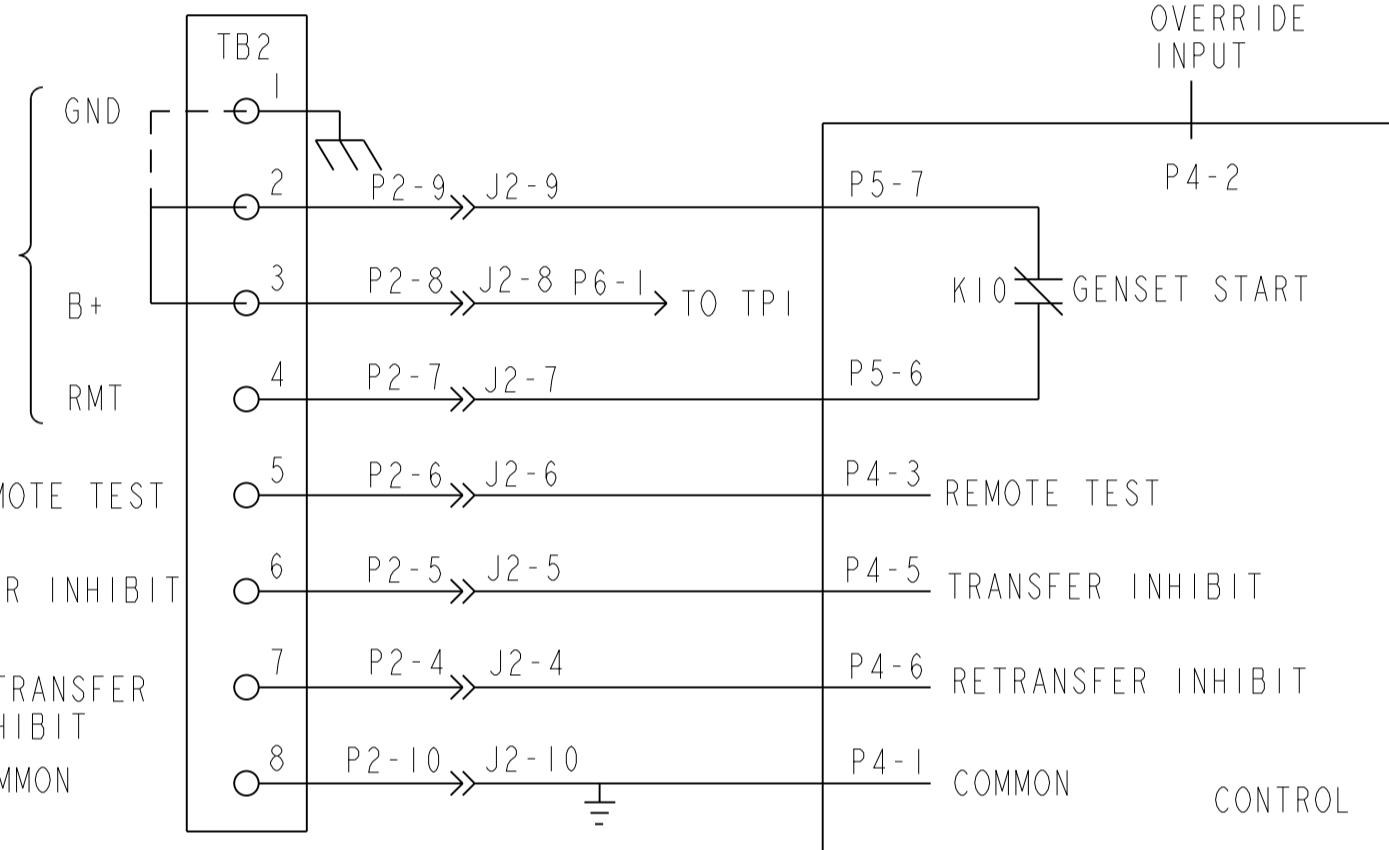
TO ENGINE GENERATOR CONTROL

REFER TO THE INTERCONNECTION DRAWING FOR PROPER INSTALLATION OF WIRING AND IF NEEDED, JUMPER LOCATION, BETWEEN THE GENSET CONTROL AND TRANSFER SWITCH.

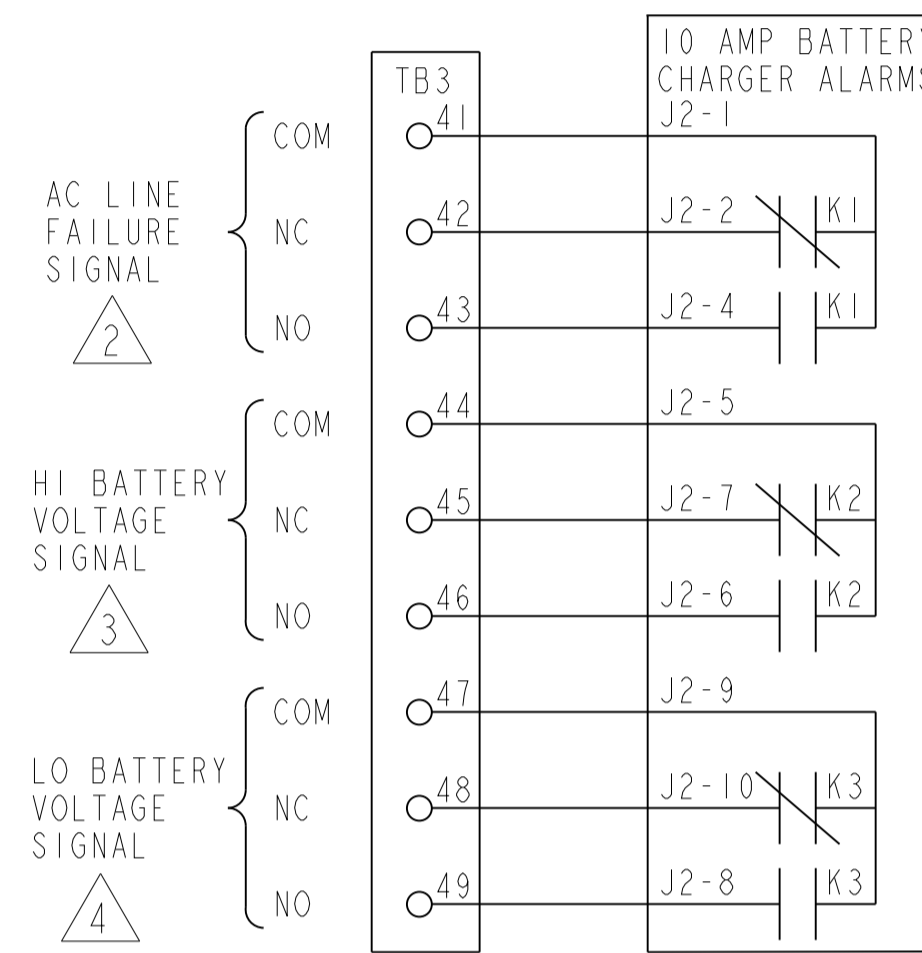
ON PARALLELING SYSTEMS, REFER TO SYSTEM INTERCONNECTION DRAWING FOR CORRECT WIRING.

FOR CUSTOMER USE

TO USE REMOTE TEST, TRANSFER INHIBIT AND RETRANSFER INHIBIT CONNECT AN OPEN CONTACT BETWEEN THE APPLICABLE TERMINAL AND COMMON (TB2-8). CLOSE THE CONTACT TO ACTIVATE THE FUNCTION.



OPTIONAL:
10 AMP BATTERY CHARGER ALARMS
CONTACTS RATED:
4 AMPS AT 30 VDC OR
120VAC MAX



NOTES:

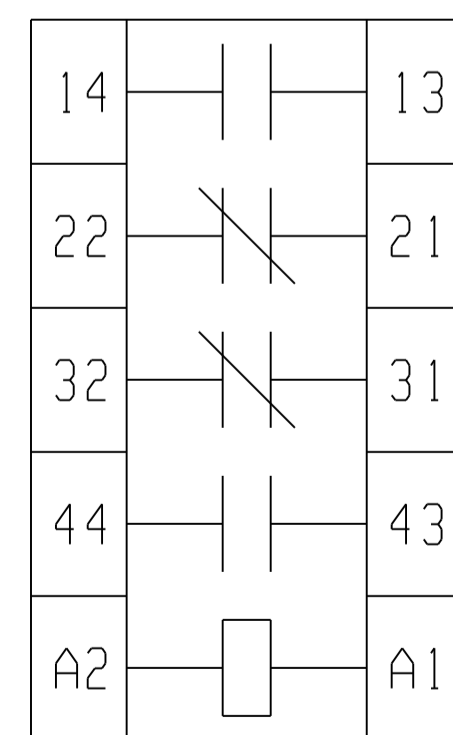
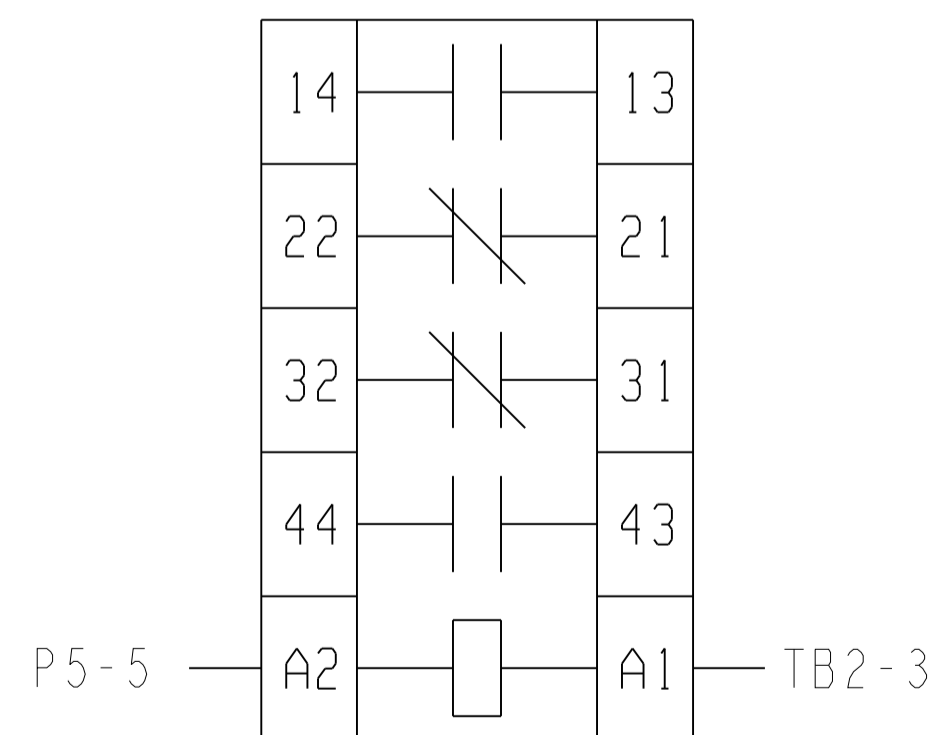
- TB1 AND TB2 ARE MOUNTED ON THE FRONT OF THE TRANSFER SWITCH. TB3 IS MOUNTED ON THE LEFT INSIDE PANEL OF THE ENCLOSURE.
- SHOWN WITH SOURCE NOT CONNECTED.
- SHOWN UNDER NORMAL BATTERY VOLTAGE CONDITION. CONTACTS TRANSFER UNDER A HIGH BATTERY VOLTAGE CONDITION.
- SHOWN UNDER A LOW BATTERY VOLTAGE CONDITION.
- SEE SHEET 2
- SEE SHEET 2
- SEE SHEET 3.
- SEE SHEET 4.
- SEE SHEET 4.
- REMOTE OVERRIDE INPUT CONNECT AN OPEN CONTACT BETWEEN P4-2 & TB2-8.
- THE FOLLOWING WILL CAUSE A BATTERY CHARGER ALARM OUTPUT.
LOW BATTERY VOLTAGE
HIGH BATTERY VOLTAGE
LOW AC INPUT VOLTAGE
HIGH AC INPUT VOLTAGE
OVERCURRENT
HIGH CHARGER TEMPERATURE
BATTERY FAILURE
HIGH BATTERY TEMPERATURE:
NOT AVAILABLE ON 2 AMP CHARGER
- USE THE INVERTER REMOTE TEMPERATURE PROBE. (PART NO. 0193-0530)
- SEE SHEET 2.
- ELEVATOR SIGNAL RELAY SHOWN DE-ENERGIZED. RELAY CHANGES STATE WHEN THE ELEVATOR TRANSFER TIME DELAY (TDEL) STARTS.
- KGS PROVIDED UNWIRED FOR ADDITIONAL GENSET START WIRING LOGIC TO MEET ANY LOCAL CODE OR INSTALLATION REQUIREMENTS. REFER TO THE INTERCONNECTION DRAWING FOR PROPER INSTALLATION OF WIRING.

CUSTOMER CONNECTIONS

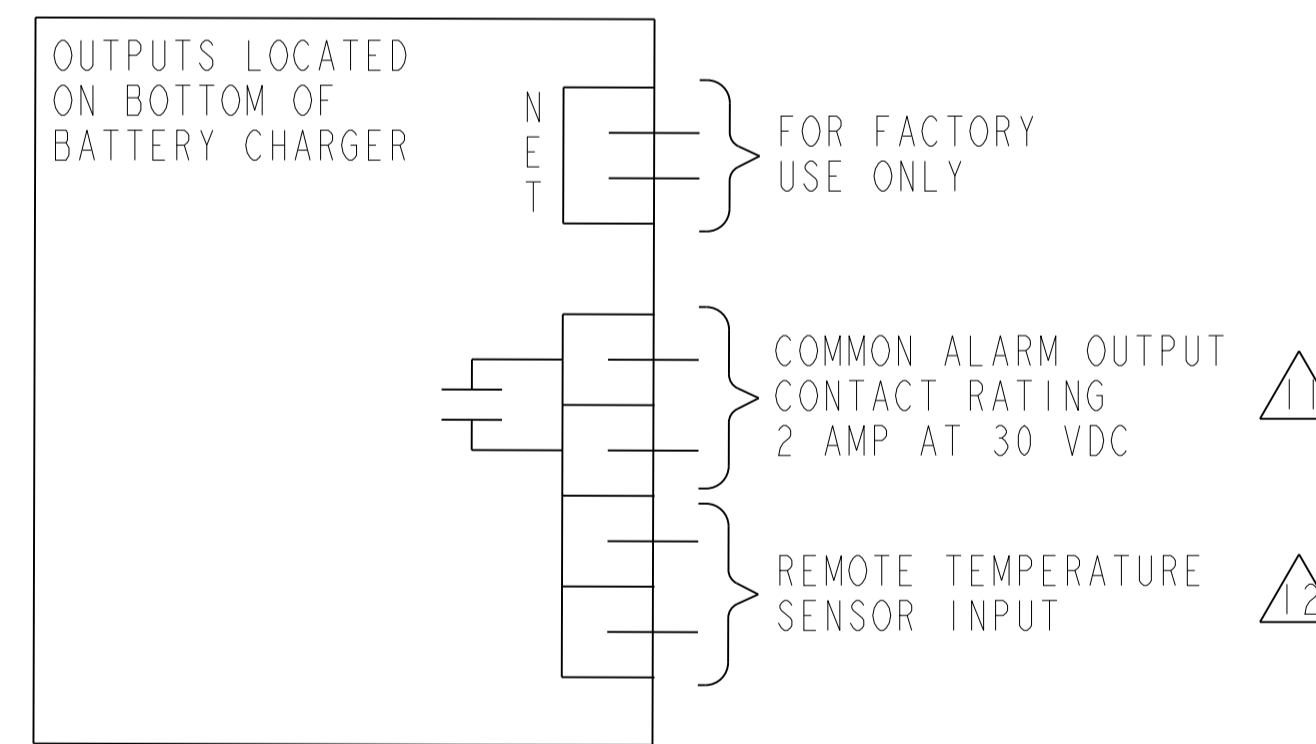
LEFT SIDE WALL

ELEVATOR SIGNAL RELAY

GENSET START AUX RELAY KGS



OPTIONAL:
BATTERY CHARGER ALARM
2 AMP, 12 AMP, 15 AMP

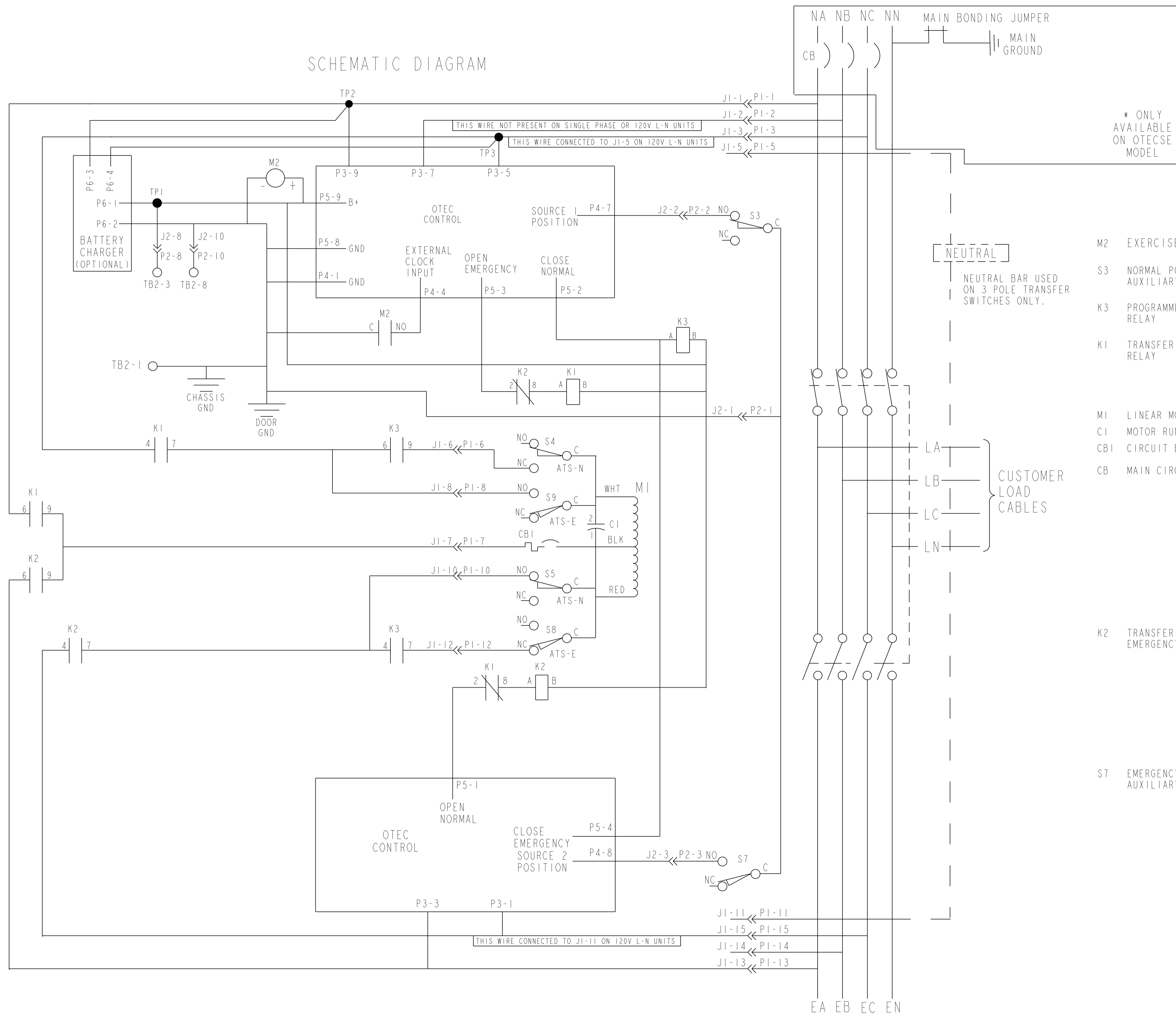


- UTILITY TO GENSET
3 AND 4 POLE
OTEC 40-600 AMP & OTECSE 40-125 AMP
120 VOLT 1 PHASE L-N
240 VOLT 1 PHASE
190 VOLT 3 PHASE
208 VOLT 3 PHASE
220 VOLT 3 PHASE
240 VOLT 3 PHASE
380 VOLT 3 PHASE
415 VOLT 3 PHASE
440 VOLT 3 PHASE
480 VOLT 3 PHASE

- OPTIONS:
BATTERY CHARGER
BATTERY CHARGER ALARMS
EXERCISER CLOCK
ELEVATOR RELAY

MODEL/PLATFORM: OTEC	THIS PART IS SIMILAR TO:	DIMENSIONS ARE IN: MILLIMETERS	SIZE: A1	SCALE: 1	
UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY		[] ARE IN: -			
ANG. TOL.: ± 1°					
DIMENSIONAL TOLERANCES:					
HOLE SIZE 0.00-4.99 TOL. +0.15/-0.08	HOLE SIZE 5.00-9.99 TOL. +0.20/-0.10	HOLE SIZE 10.00-17.49 TOL. +0.25/-0.13	HOLE SIZE 17.50-24.99 TOL. +0.30/-0.13	DIMENSIONING AND TOLERANCING PER: ASME Y14.5-2009	CAD SYSTEM PTC® Creo® Parametric

SCHMATIC DIAGRAM



* ONLY AVAILABLE ON OTECSE MODEL

- M2 EXERCISER CLOCK (OPTIONAL)
- S3 NORMAL POSITION AUXILIARY SWITCH
- K3 PROGRAMMED TRANSITION RELAY
- K1 TRANSFER TO NORMAL RELAY
- M1 LINEAR MOTOR
- C1 MOTOR RUN CAPACITOR
- CB1 CIRCUIT BREAKER
- CB MAIN CIRCUIT BREAKER

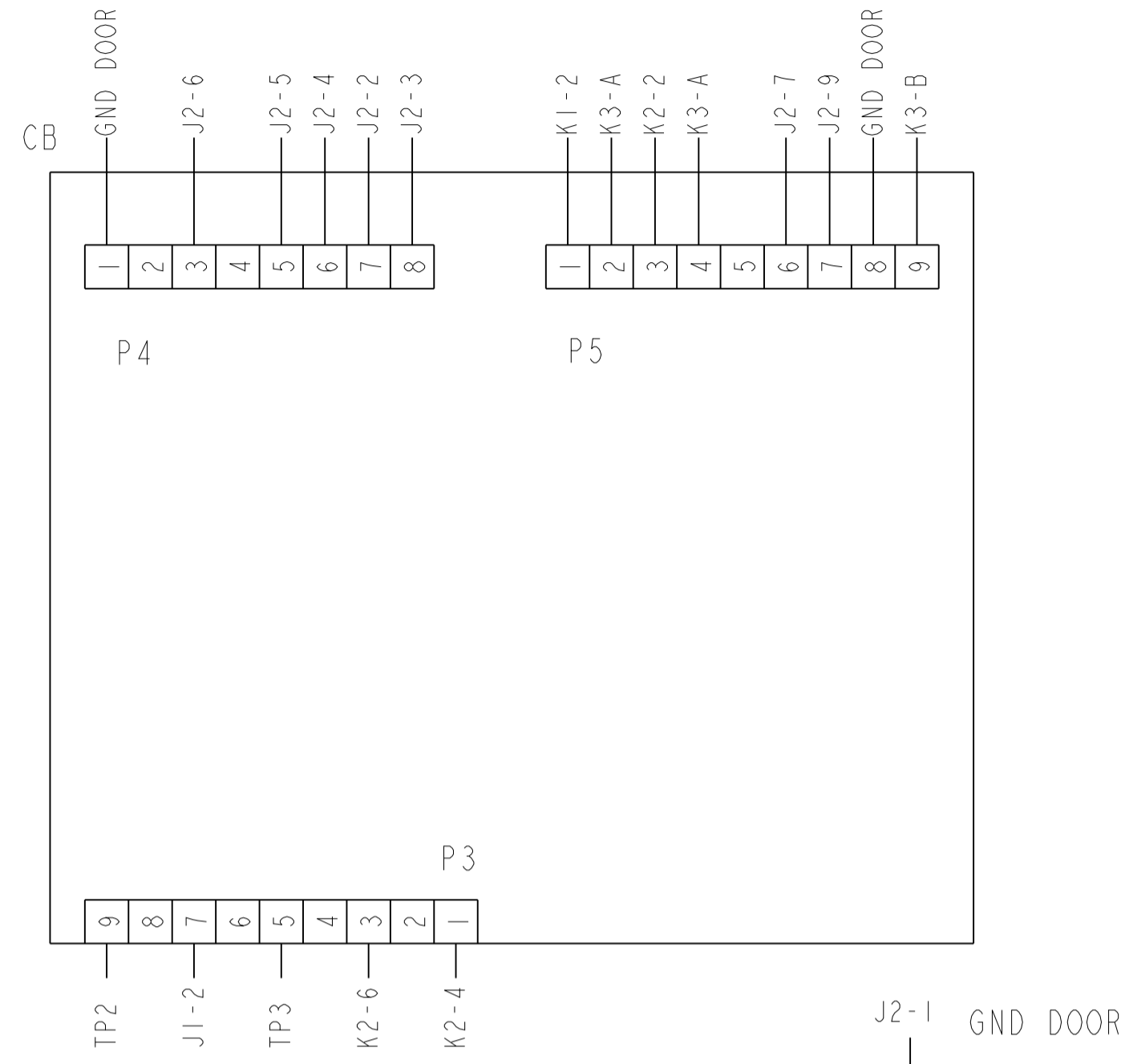
K2 TRANSFER TO EMERGENCY RELAY

S7 EMERGENCY POSITION AUXILIARY SWITCH

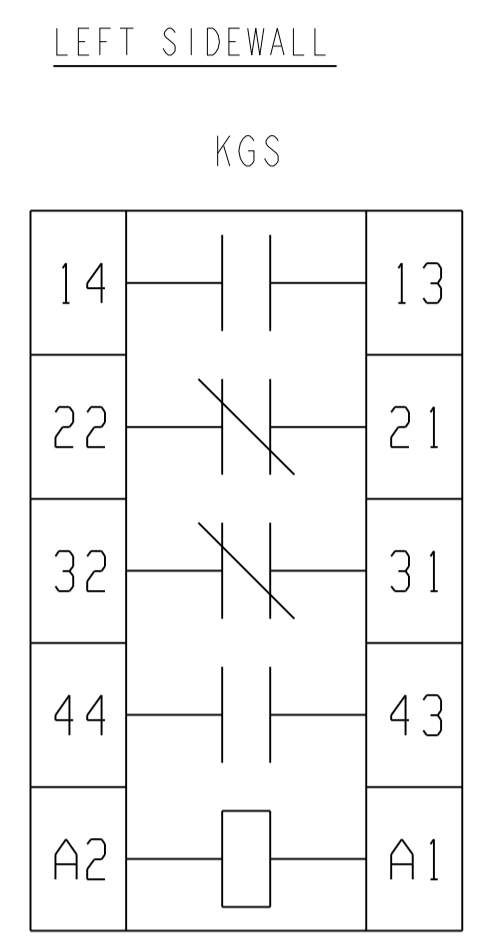
- NOTES:
5. ALL DEVICES ARE SHOWN DE-ENERGIZED, WITH THE TRANSFER SWITCH CLOSED TO NORMAL. 4 POLE TRANSFER SWITCH SHOWN. ON 3 POLE MODELS THE SWITCHED NEUTRAL POLE IS REPLACED WITH A SOLID NEUTRAL BAR.
 6. FOR SINGLE PHASE UNITS: 120/240, 3 WIRE - CONNECT POWER CABLES TO A AND C 110 L-N, 2 WIRE - CONNECT POWER CABLES TO A AND NEUTRAL
 13. FOR OTECSE MODEL, LIST OF MAIN CIRCUIT BREAKER TYPE SHOWN BELOW:
 SWITCH RATING MAIN CIRCUIT BREAKER TYPE
 40-125A SQUARE D, TYPE 'HG'

Cummins Inc.			
DIMENSIONS ARE IN: MILLIMETERS () ARE IN: -	SIZE: A1	SCALE: 1	
DIMENSIONING AND TOLERANCING PER: ASME Y14.5-2009		THIRD ANGLE PROJECTION	CAD SYSTEM PTC® Creo® Parametric

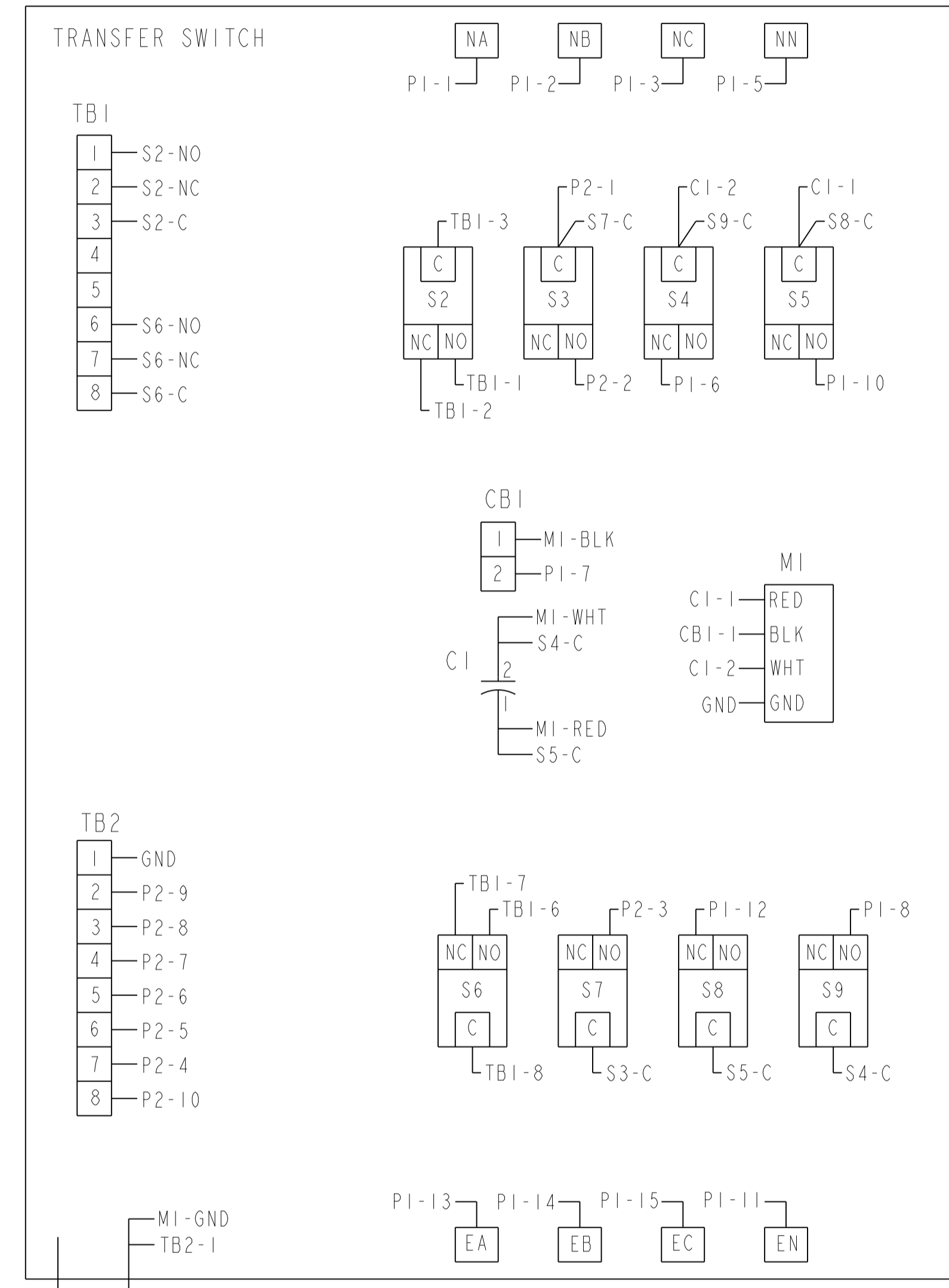
REAR VIEW OF DOOR



STANDARD WIRING

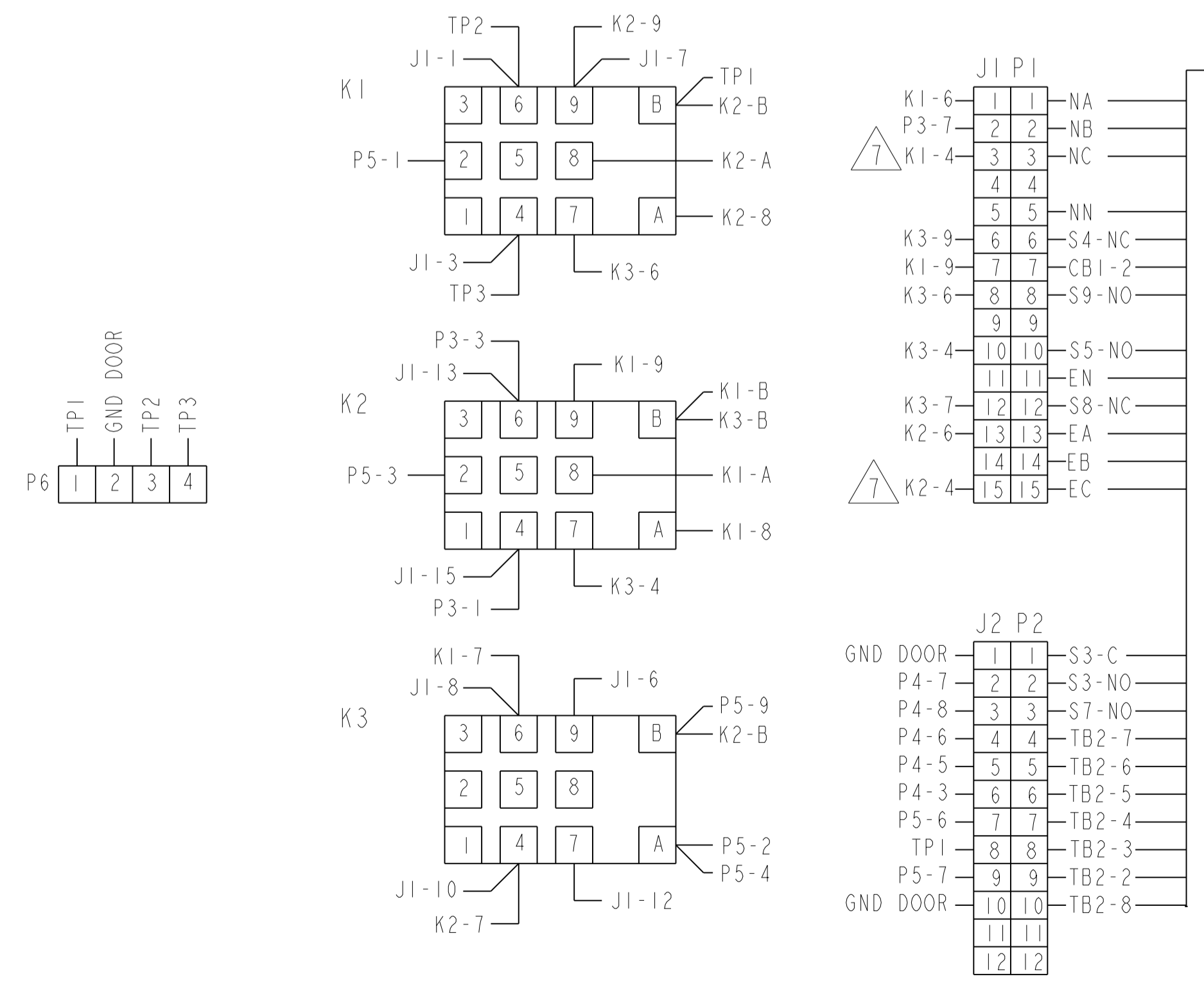


REAR WALL OF CABINET



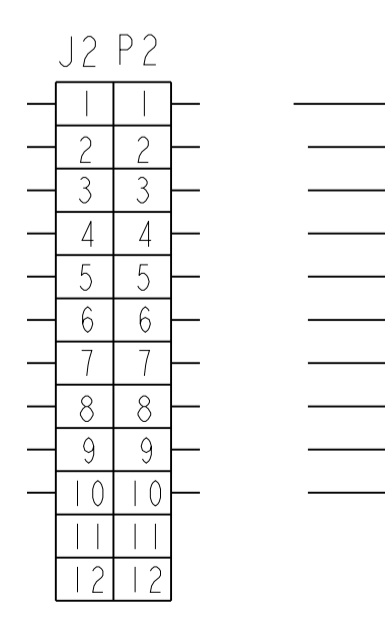
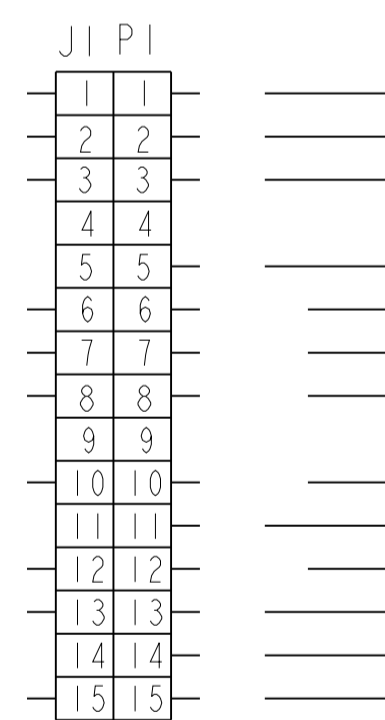
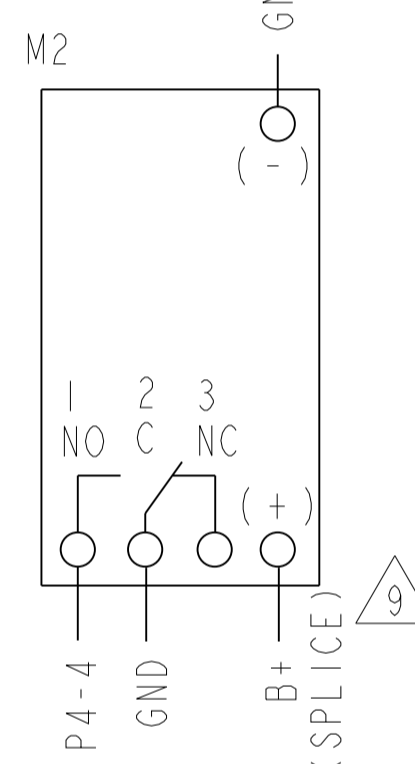
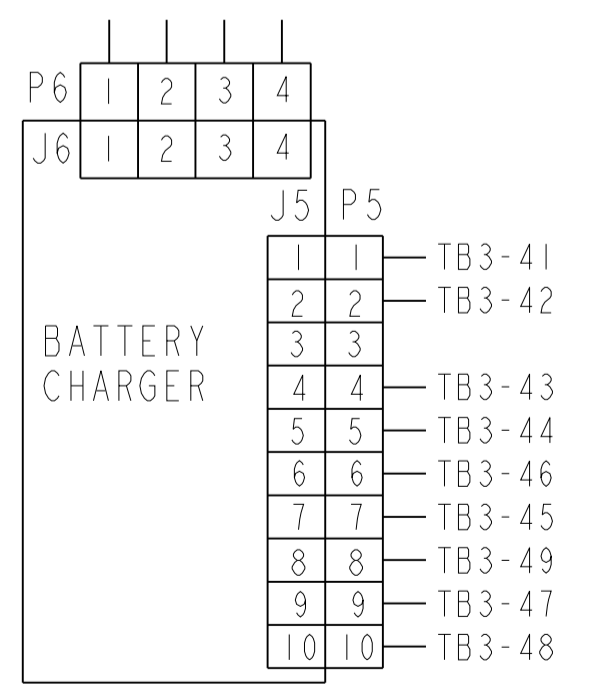
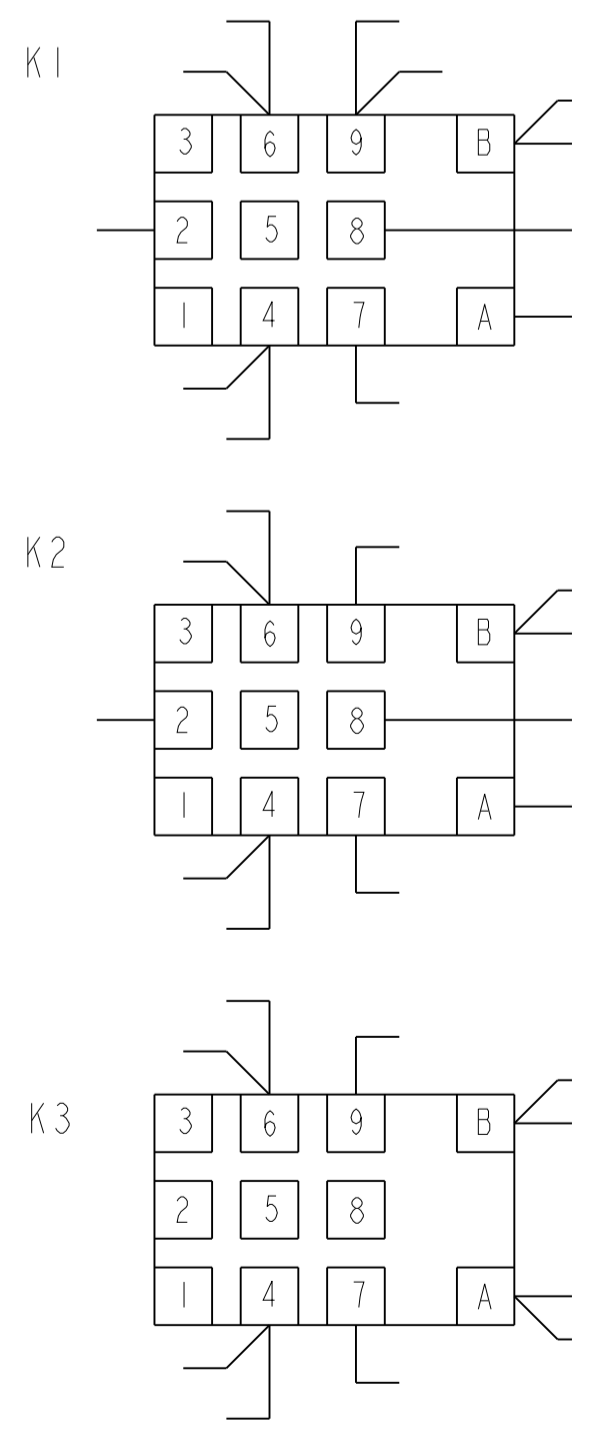
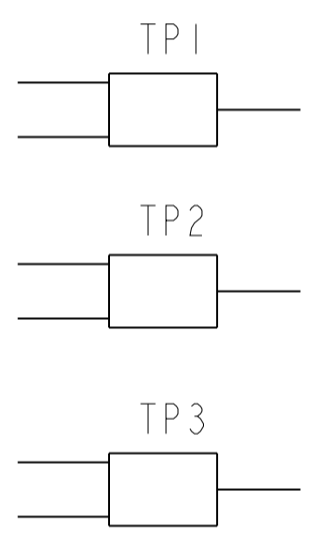
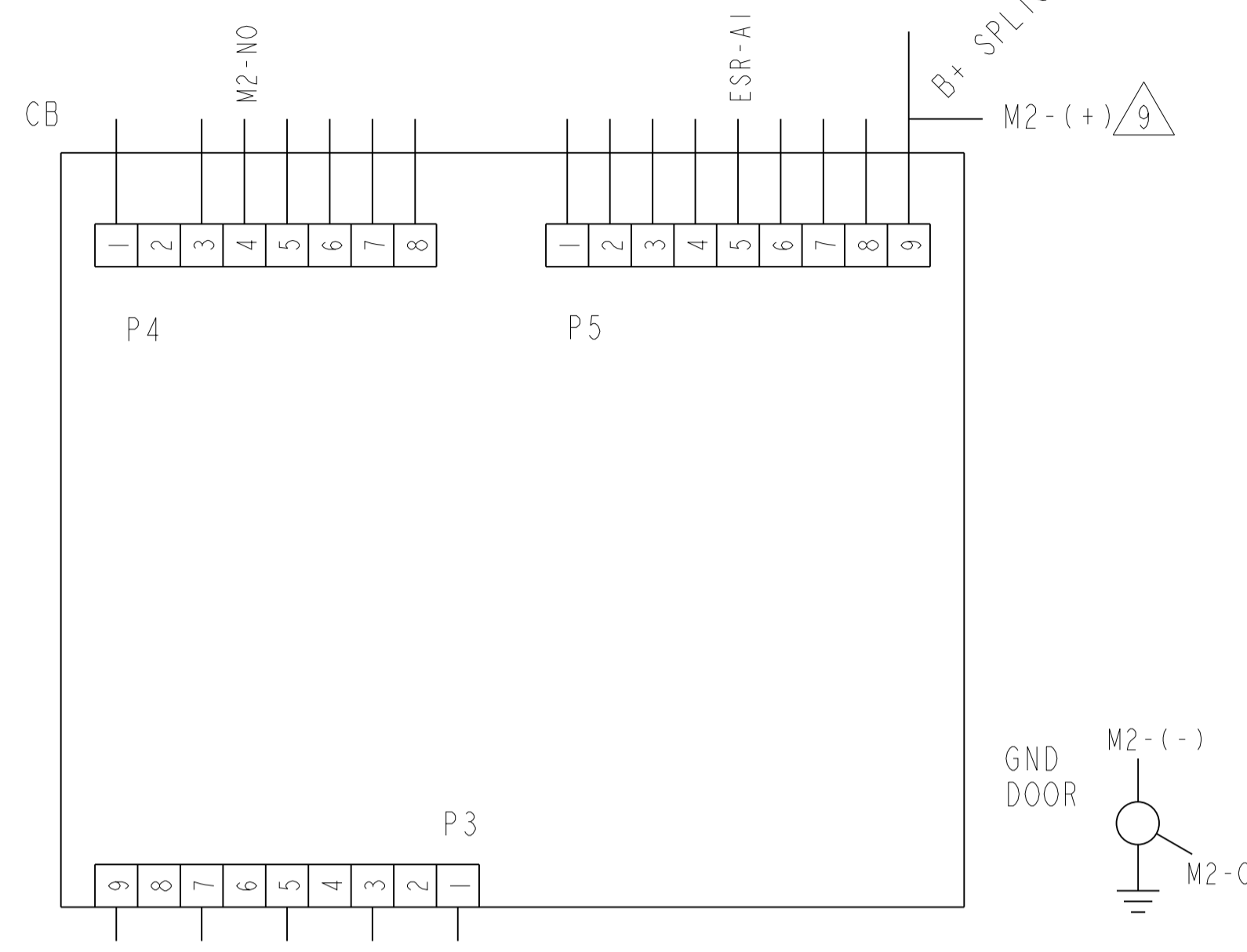
PI-5
PI-11
NEUTRAL BAR
NEUTRAL BAR IS USED ON 3 POLE MODELS ONLY.

NOTES:
 ⚠ ON ALL SINGLE PHASE, 2 OR 3 WIRE UNITS: THE WIRE CONNECTED FROM JI-2 TO P3-7 IS NOT PRESENT.
 IN ADDITION, ON 120 VOLT L-N, 2 WIRE UNITS: THE WIRE CONNECTED FROM K1-4 TO JI-3 WILL BE CONNECTED FROM K1-4 TO JI-5 AND THE WIRE CONNECTED FROM K2-4 TO JI-15 WILL BE CONNECTED FROM K2-4 TO JI-11.



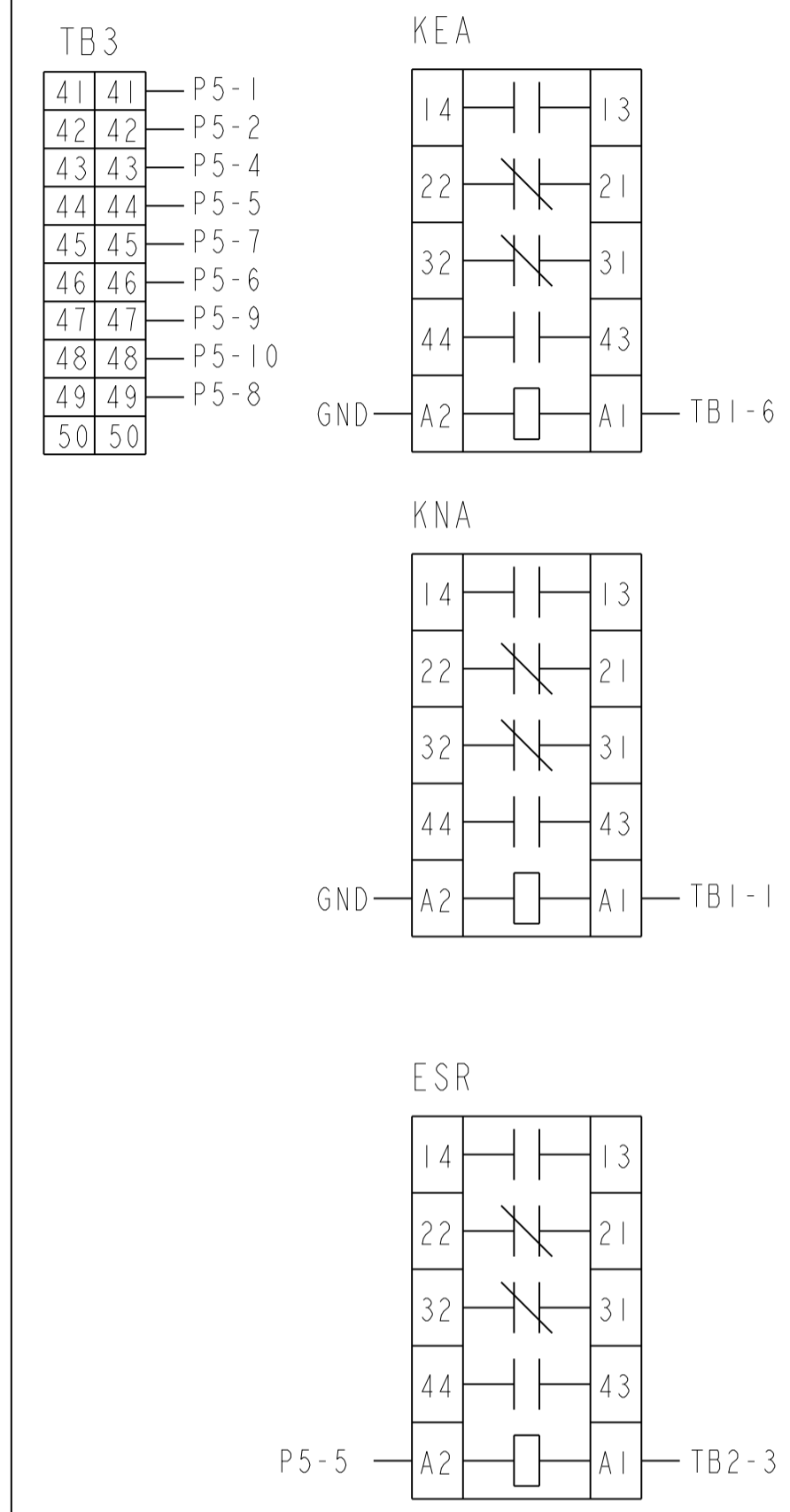
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

REAR VIEW OF DOOR

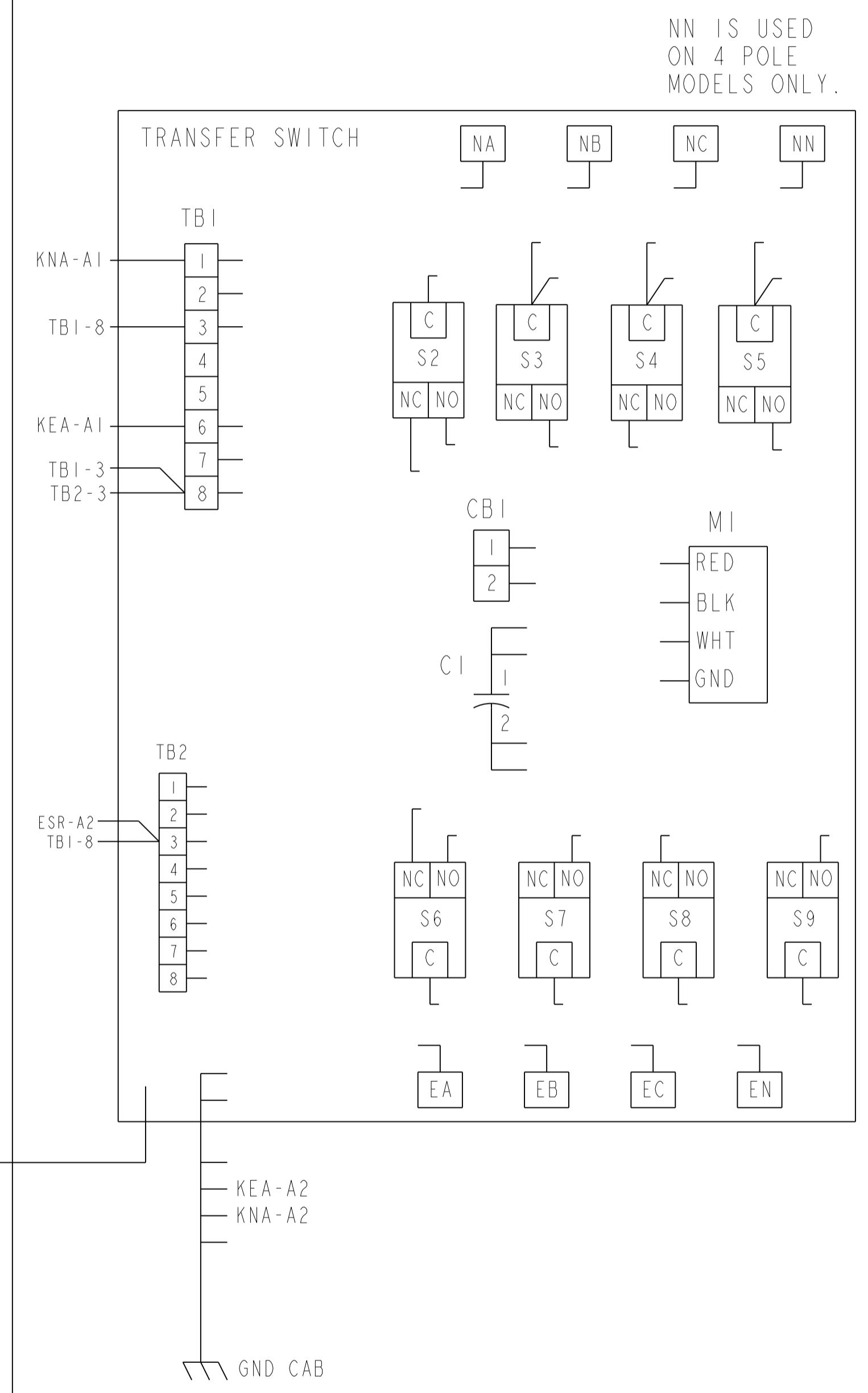


OPTION WIRING

LEFT SIDEWALL



REAR WALL OF CABINET



NEUTRAL BAR
NEUTRAL BAR IS USED ON 3 POLE MODELS ONLY.

NN IS USED ON 4 POLE MODELS ONLY.

NOTES:
8. WIRING FOR RELAYS KNA AND KEA IS TYPICAL. POWER CONNECTIONS MAY VARY SLIGHTLY IF MORE OR LESS RELAYS ARE USED.
9. THE WIRE FROM M2-(+) IS CONNECTED TO THE WIRE GOING TO P5-9.

Cummins Inc.		
DIMENSIONS ARE IN: MILLIMETERS [] ARE IN: -	SIZE: A1 SCALE: 1	
DIMENSIONING AND TOLERANCING PER: ASME Y14.5-2009		CAD SYSTEM PTC® Creo® Parametric

16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1