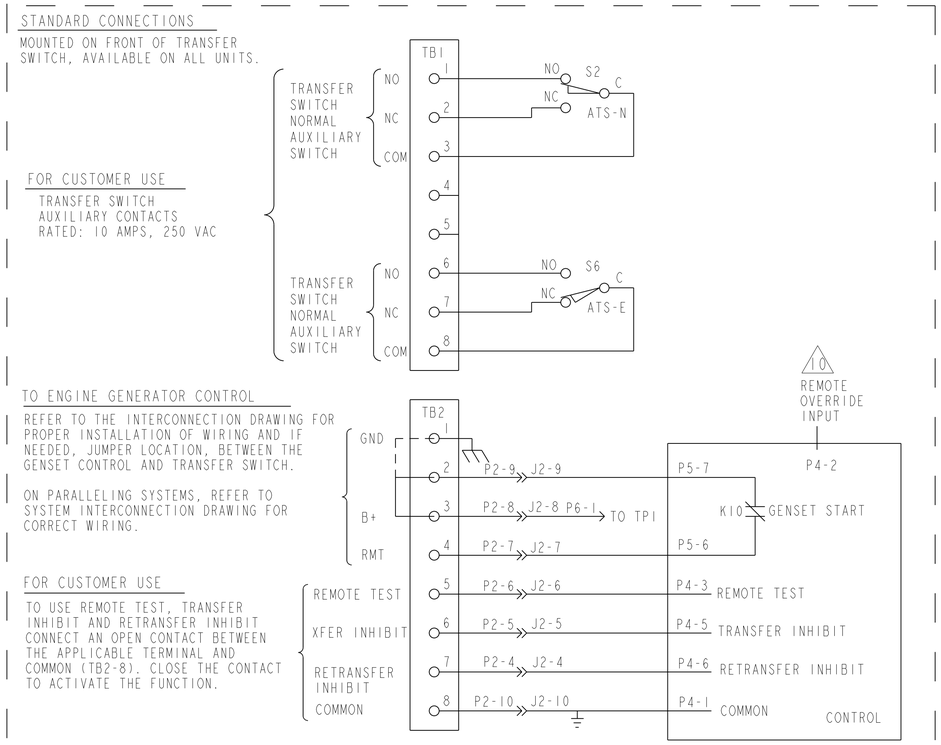
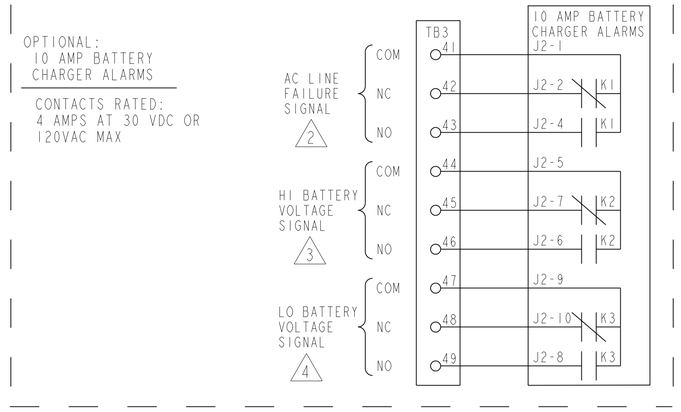
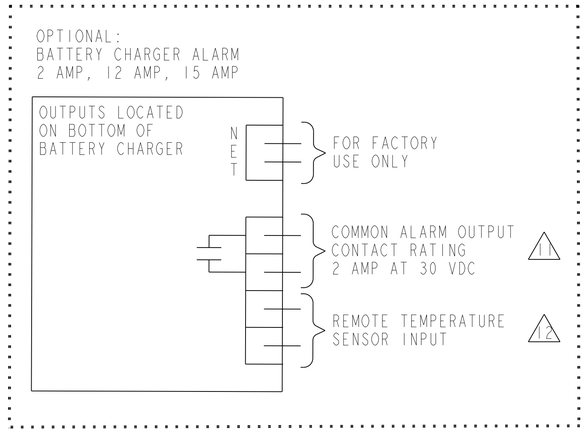
CUSTOMER CONNECTIONS

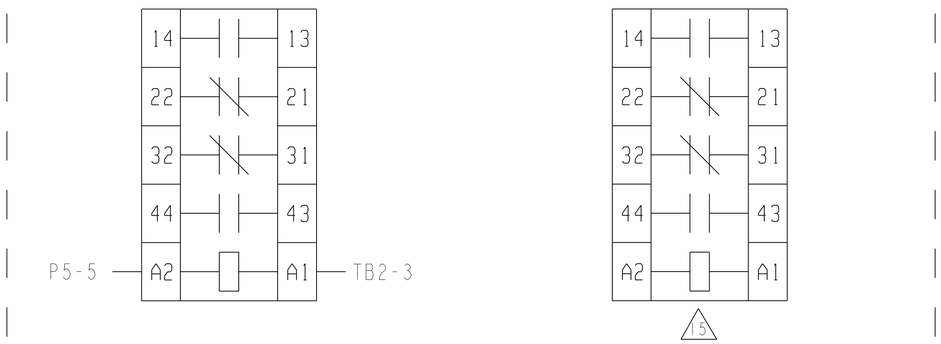






CUSTOMER CONNECTIONS

LEFT SIDE WALL



NOTES:

1. TB1 AND TB2 ARE MOUNTED ON THE FRONT OF THE TRANSFER SWITCH. TB3 IS MOUNTED ON THE LEFT INSIDE PANEL OF THE ENCLOSURE.
2. SHOWN WITH SOURCE NOT CONNECTED.
3. SHOWN UNDER NORMAL BATTERY VOLTAGE CONDITION. CONTACTS TRANSFER UNDER A HIGH BATTERY VOLTAGE CONDITION.
4. SHOWN UNDER A LOW BATTERY VOLTAGE CONDITION.
5. SEE SHEET 2
6. SEE SHEET 2
7. SEE SHEET 3.
8. SEE SHEET 4.
9. SEE SHEET 4.
10. REMOTE OVERRIDE INPUT CONNECT AN OPEN CONTACT BETWEEN P4-2 & TB2-8.
11. 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
12. USE THE INVERTER REMOTE TEMPERATURE PROBE. (PART NO. 0193-0530)
13. SEE SHEET 2.
14. ELEVATOR SIGNAL RELAY SHOWN DE-ENERGIZED. RELAY CHANGES STATE WHEN THE ELEVATOR TRANSFER TIME DELAY (TDEL) STARTS.
15. 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.

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:	
UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY			ANG. TOL.: ± 1°
DIMENSIONAL TOLERANCES:	X ± 1	.X ± 0.8	.XX ± 0.38
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

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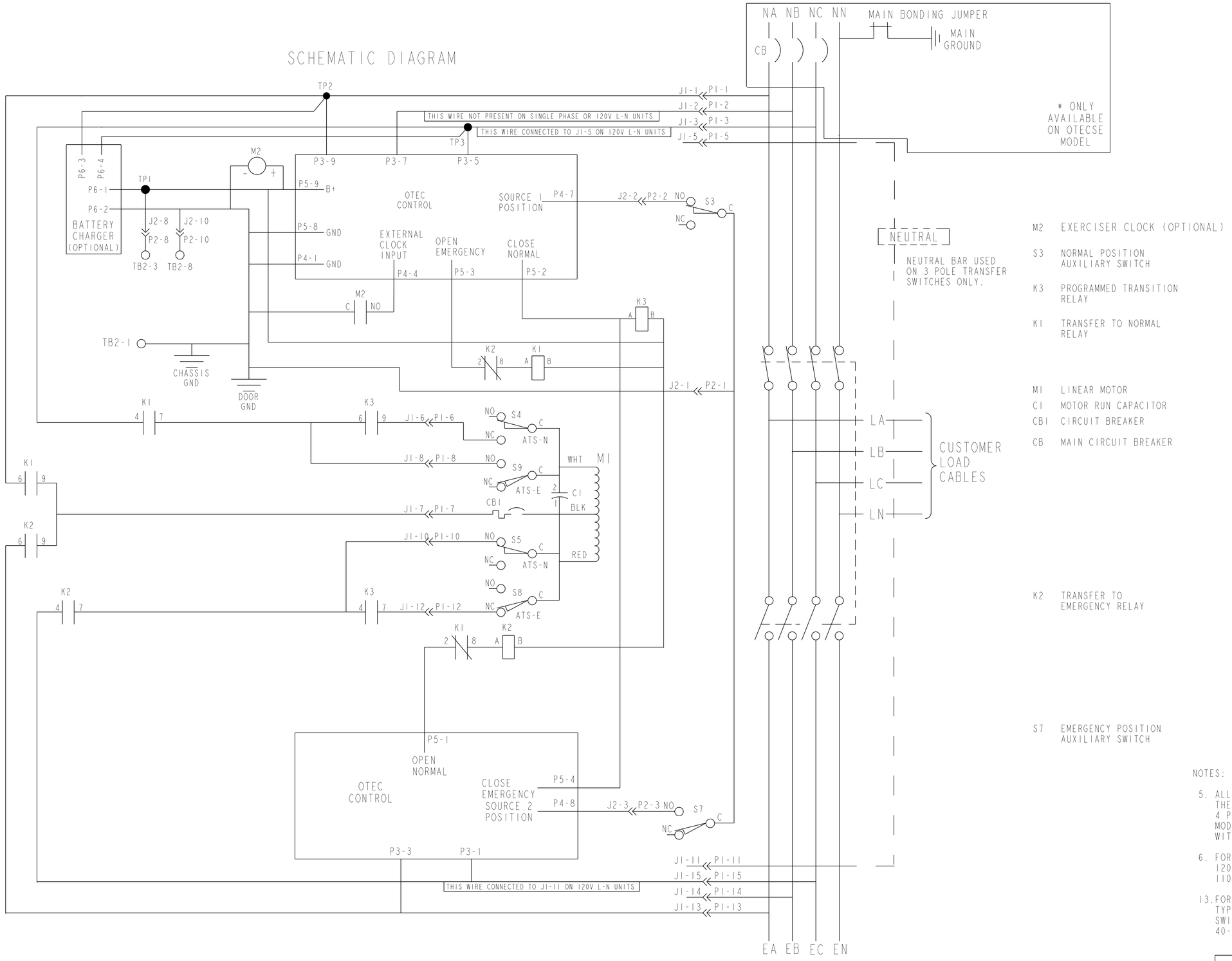
SCHEMATIC DIAGRAM



M2 EXERCISER CLOCK (OPTIONAL)

S3 NORMAL POSITION AUXILIARY SWITCH

K3 PROGRAMMED TRANSITION RELAY

K1 TRANSFER TO NORMAL RELAY

MI LINEAR MOTOR

C1 MOTOR RUN CAPACITOR

CBI 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'

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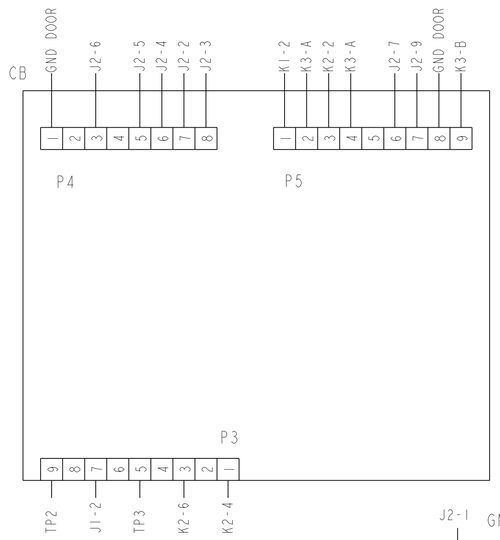
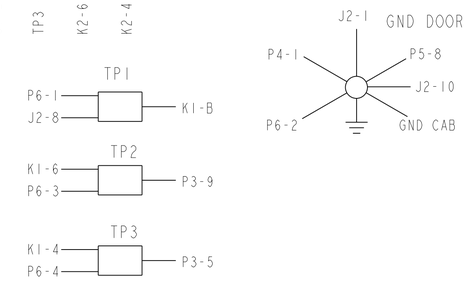
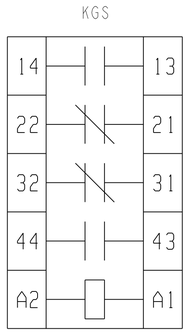
STANDARD WIRING

REAR VIEW OF DOOR

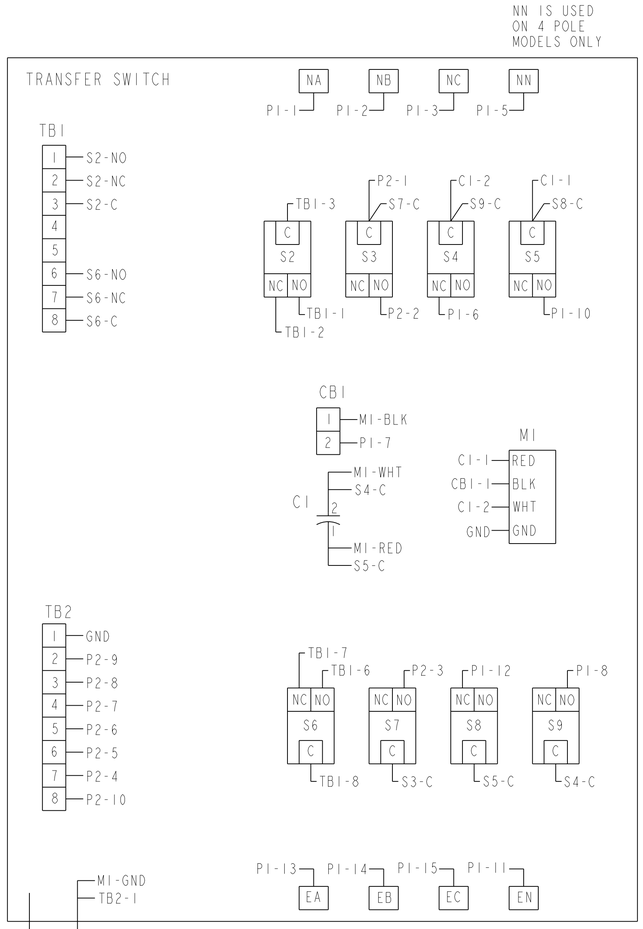


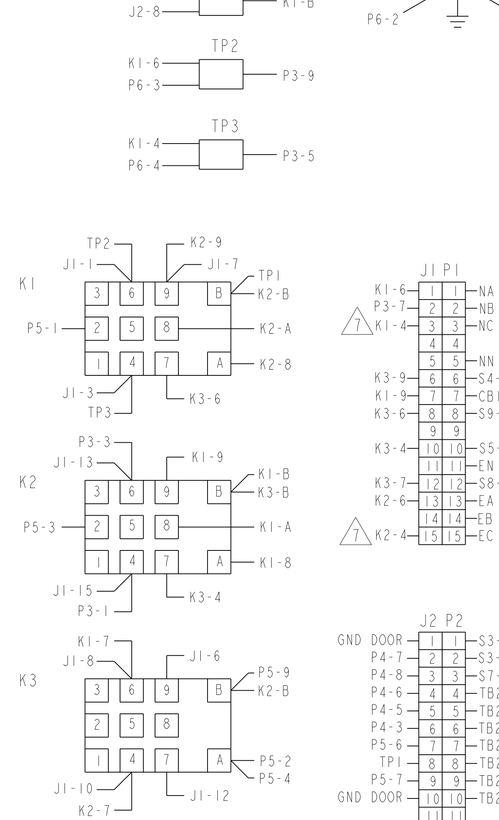


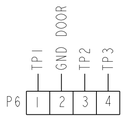
LEFT SIDEWALL

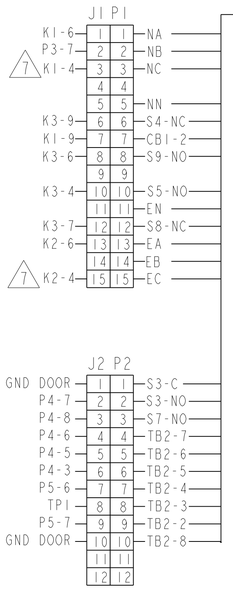


REAR WALL OF CABINET









NOTES:

7. ON ALL SINGLE PHASE, 2 OR 3 WIRE UNITS: THE WIRE CONNECTED FROM J1-2 TO P3-7 IS NOT PRESENT.

   IN ADDITION, ON 120 VOLT L-N, 2 WIRE UNITS: THE WIRE CONNECTED FROM K1-4 TO J1-3 WILL BE CONNECTED FROM K1-4 TO J1-5 AND THE WIRE CONNECTED FROM K2-4 TO J1-15 WILL BE CONNECTED FROM K2-4 TO J1-11.

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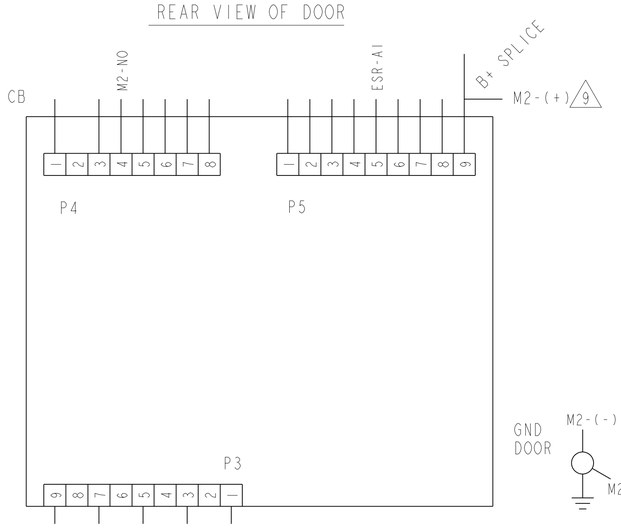
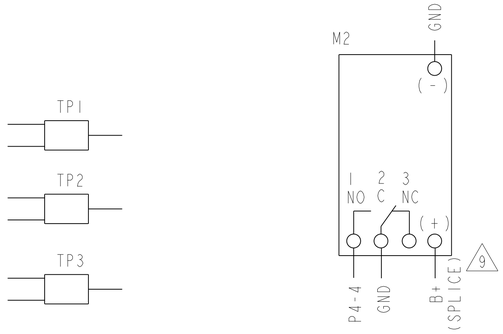
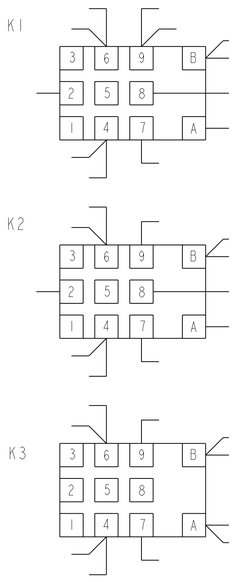
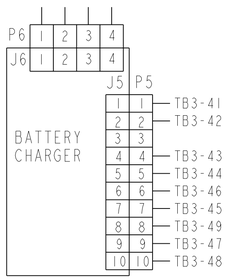
OPTION WIRING

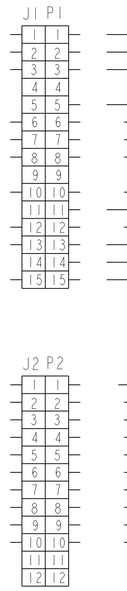
REAR VIEW OF DOOR



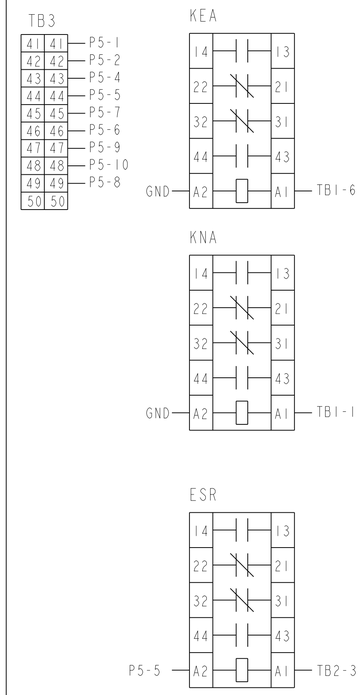




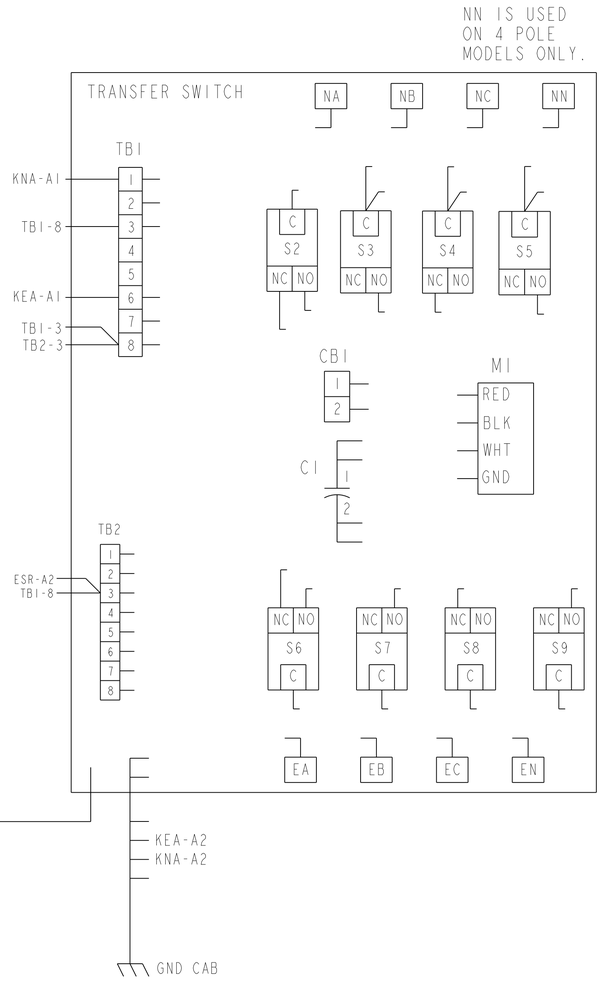


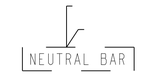


LEFT SIDEWALL



REAR WALL OF CABINET





NEUTRAL BAR IS USED ON 3 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.

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