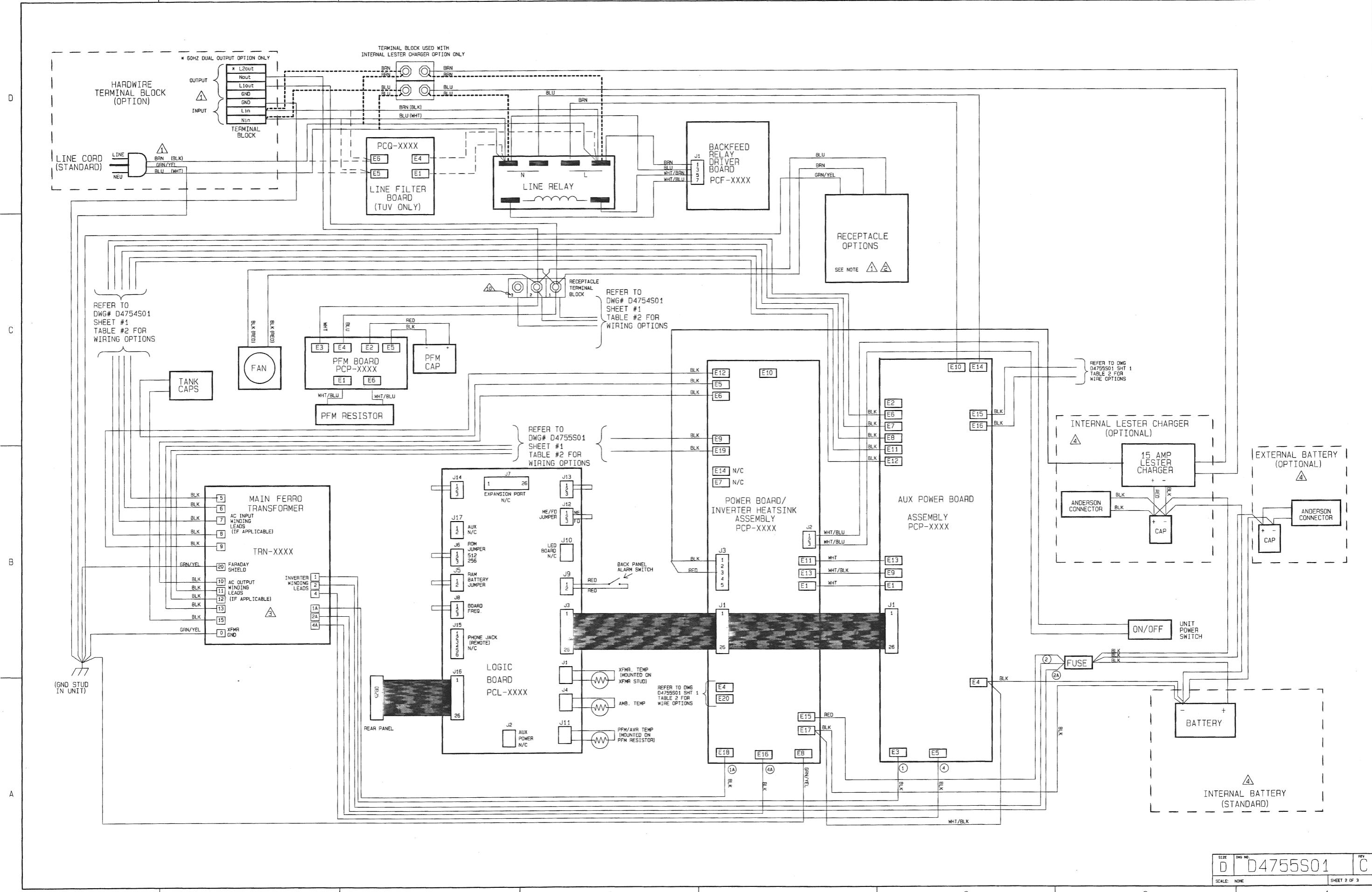


TABLE #2

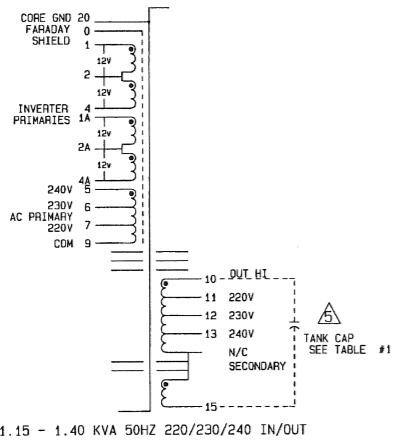
120/208/240V IN/OUT 50HZ TRANSFORMERS

200V 60HZ 110/220V 50HZ INPUT CONNECTIONS	
AUX. POWER BOARD	GND MOV
E2	GND MOV (60HZ ONLY)
E6	TRANSFORMER LEAD #7
E7	TRANSFORMER LEAD #5
E8	TRANSFORMER LEAD #6
E15	N.C.
MAIN POWER BOARD	
E12	TRANSFORMER LEAD #9
E14	N.C.
210V 60HZ 115/230V 50HZ INPUT CONNECTIONS	
AUX. POWER BOARD	GND MOV
E2	GND MOV (60HZ ONLY)
E6	TRANSFORMER LEAD #6
E7	TRANSFORMER LEAD #5
E8	TRANSFORMER LEAD #7
E15	N.C.
MAIN POWER BOARD	
E12	TRANSFORMER LEAD #9
E14	N.C.
220V 60HZ 120/240V 50HZ INPUT CONNECTIONS	
AUX. POWER BOARD	GND MOV
E2	GND MOV (60HZ ONLY)
E6	TRANSFORMER LEAD #5
E7	TRANSFORMER LEAD #6
E8	TRANSFORMER LEAD #7
E15	N.C.
MAIN POWER BOARD	
E12	TRANSFORMER LEAD #9
E14	N.C.
200V 60HZ 110/220V 50HZ OUTPUT CONNECTIONS	
AUX. POWER BOARD	
E11	TRANSFORMER LEAD #12
E12	TRANSFORMER LEAD #13
E16	N.C.
MAIN POWER BOARD	
E4	BROWN JUMPER WIRE TO E20 OF MAIN POWER BOARD
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	WHT (NEUTRAL) WIRE TO RECEPTACLE TERMINAL BLOCK
E19	BLK (HOT) WIRE TO RECEPTACLE TERMINAL BLOCK
E20	BROWN JUMPER WIRE TO E4 OF MAIN POWER BOARD
210V 60HZ 115/230V 50HZ OUTPUT CONNECTIONS	
AUX. POWER BOARD	
E11	TRANSFORMER LEAD #11
E12	TRANSFORMER LEAD #13
E16	N.C.
MAIN POWER BOARD	
E4	BROWN JUMPER WIRE TO E20 OF MAIN POWER BOARD
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #12
E10	WHT (NEUTRAL) WIRE TO RECEPTACLE TERMINAL BLOCK
E19	BLK (HOT) WIRE TO RECEPTACLE TERMINAL BLOCK
E20	BROWN JUMPER WIRE TO E4 OF MAIN POWER BOARD
220V 60HZ 120/240 OUTPUT CONNECTIONS	
AUX. POWER BOARD	
E11	TRANSFORMER LEAD #11
E12	TRANSFORMER LEAD #12
E16	N.C.
MAIN POWER BOARD	
E4	BROWN JUMPER WIRE TO E20 OF MAIN POWER BOARD
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #13
E10	WHT (NEUTRAL) WIRE TO RECEPTACLE TERMINAL BLOCK
E19	BLK (HOT) WIRE TO RECEPTACLE TERMINAL BLOCK
E20	BROWN JUMPER WIRE TO E4 OF MAIN POWER BOARD
120V INPUT CONNECTIONS	
AUX. POWER BOARD	
E2	GND MOV (60HZ ONLY)
E6	TRANSFORMER LEADS #5 AND #8 (USE CNF-005B)
E7	TRANSFORMER LEAD #6
E11	N.C.
E15	N.C.
MAIN POWER BOARD	
E12	TRANSFORMER LEADS #7 AND #9 (USE CNF-005B)
E14	N.C.
208V INPUT CONNECTIONS	
AUX. POWER BOARD	
E2	GND MOV (60HZ ONLY)
E6	TRANSFORMER LEAD #6
E7	TRANSFORMER LEAD #5
E11	TRANSFORMER LEAD #7
E15	TRANSFORMER LEAD #8
MAIN POWER BOARD	
E12	TRANSFORMER LEAD #9
E14	N.C.
240V INPUT CONNECTIONS	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E2	GND MOV (60HZ ONLY)
E6	N.C.
E15	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E11	TRANSFORMER LEAD #7
E15	TRANSFORMER LEAD #8
MAIN POWER BOARD	
E12	TRANSFORMER LEAD #9
E14	N.C.
208V OUTPUT CONNECTIONS W/120 V IN	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E2	GND MOV (60HZ ONLY)
E6	N.C.
E15	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	N.C.
E19	TRANSFORMER LEAD #12
E20	RED WIRE FROM RECEPTACLE TERMINAL BLOCK
240V INPUT CONNECTIONS	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E2	GND MOV (60HZ ONLY)
E6	N.C.
E15	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	N.C.
E19	TRANSFORMER LEAD #12
E20	RED WIRE FROM RECEPTACLE TERMINAL BLOCK
120/240V OUTPUT CONNECTIONS	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #12
E2	GND MOV (60HZ ONLY)
E6	N.C.
E16	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	N.C.
E19	TRANSFORMER LEAD #13
E20	RED WIRE TO RECEPTACLE TERMINAL BLOCK
208V OUTPUT CONNECTIONS W/120 V IN	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #12
E2	GND MOV (60HZ ONLY)
E6	N.C.
E16	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	N.C.
E19	TRANSFORMER LEAD #12
E20	RED WIRE FROM RECEPTACLE TERMINAL BLOCK
208V OUTPUT CONNECTIONS	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E2	GND MOV (60HZ ONLY)
E6	N.C.
E16	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	N.C.
E19	TRANSFORMER LEAD #12
E20	RED WIRE TO RECEPTACLE TERMINAL BLOCK
240V OUTPUT CONNECTIONS W/208 V IN	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E2	GND MOV (60HZ ONLY)
E6	N.C.
E16	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	N.C.
E19	TRANSFORMER LEAD #12
E20	RED WIRE FROM RECEPTACLE TERMINAL BLOCK
240V OUTPUT CONNECTIONS	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E2	GND MOV (60HZ ONLY)
E6	N.C.
E16	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	N.C.
E19	TRANSFORMER LEAD #12
E20	RED WIRE TO RECEPTACLE TERMINAL BLOCK
120V INPUT ONLY CONNECTIONS	
AUX. POWER BOARD	
E2	GND MOV (60HZ ONLY)
E6	TRANSFORMER LEAD #5
E15	TRANSFORMER LEAD #11
MAIN POWER BOARD	
E4	BROWN JUMPER WIRE TO E20 OF MAIN POWER BOARD
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	WHT (NEUTRAL) WIRE TO RECEPTACLE TERMINAL BLOCK
E19	TRANSFORMER LEAD #13
E20	RED WIRE TO RECEPTACLE TERMINAL BLOCK
120V OUTPUT ONLY CONNECTIONS	
AUX. POWER BOARD	
E2	BLK (HOT) WIRE TO RECEPTACLE TERMINAL BLOCK
E12	GREEN GND WIRE
E15	TRANSFORMER LEAD #11
MAIN POWER BOARD	
E4	BROWN JUMPER WIRE TO E20 OF MAIN POWER BOARD
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	WHT (NEUTRAL) WIRE TO RECEPTACLE TERMINAL BLOCK
E19	TRANSFORMER LEAD #12
E20	RED WIRE TO RECEPTACLE TERMINAL BLOCK
100/220V OUTPUT CONNECTIONS	
AUX. POWER BOARD	
E9	TRANSFORMER LEAD #12
E12	N.C.
E16	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	WHT (NEUTRAL) WIRE TO RECEPTACLE TERMINAL BLOCK
E19	TRANSFORMER LEAD #13
E20	RED WIRE TO RECEPTACLE TERMINAL BLOCK
100/200V OUTPUT CONNECTIONS	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E12	N.C.
E16	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	WHT (NEUTRAL) WIRE TO RECEPTACLE TERMINAL BLOCK
E19	TRANSFORMER LEAD #12
E20	RED WIRE TO RECEPTACLE TERMINAL BLOCK
220V INPUT CONNECTIONS	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E12	N.C.
E16	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	WHT (NEUTRAL) WIRE TO RECEPTACLE TERMINAL BLOCK
E19	TRANSFORMER LEAD #12
E20	RED WIRE FROM RECEPTACLE TERMINAL BLOCK
220V OUTPUT CONNECTIONS W/100 V IN	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E12	N.C.
E16	N.C.
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	N.C.
E19	TRANSFORMER LEAD #12
E20	RED WIRE FROM RECEPTACLE TERMINAL BLOCK
220V OUTPUT CONNECTIONS W/200 V IN	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #13
E12	N.C.
E16	TRANSFORMER LEAD #11
MAIN POWER BOARD	
E4	BROWN JUMPER WIRE TO E20 OF MAIN POWER BOARD
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #12
E10	RED WIRE FROM RECEPTACLE TERMINAL BLOCK
E19	BLACK WIRE FROM RECEPTACLE TERMINAL BLOCK
E20	BROWN JUMPER WIRE TO E4 OF MAIN POWER BOARD
220V OUTPUT CONNECTIONS W/220 V IN	
AUX. POWER BOARD	
E8	TRANSFORMER LEAD #12
E12	N.C.
E16	TRANSFORMER LEAD #11
MAIN POWER BOARD	
E4	BLACK WIRE TO RECEPTACLE TERMINAL BLOCK
E7	N.C.
E8	GREEN GND WIRE
E9	TRANSFORMER LEAD #11
E10	WHT (NEUTRAL) WIRE TO RECEPTACLE TERMINAL BLOCK
E19	TRANSFORMER LEAD #13
E20	RED WIRE TO RECEPTACLE TERMINAL BLOCK
HOW TO USE THE VOLTAGE CHARTS	
NOTES:	
WIRE COLORS WILL VARY FOR INPUT AND OUTPUT WIRING.	
60 HZ USES BLK AND RED. WHT FOR NEUTRAL, AND GRN/YEL FOR GND.	
50 HZ USES BRN FOR HOTS, BLU FOR NEUTRAL, AND GRN/YEL FOR GND.	
BECAUSE OF THE NUMEROUS RECEPITAL OUTPUT WIRING OPTIONS OF THIS UNIT THEY WILL NOT BE SHOWN ON THIS SYSTEM SCHEMATIC. SEE THE TECHNICAL REFERENCE MANUAL.	

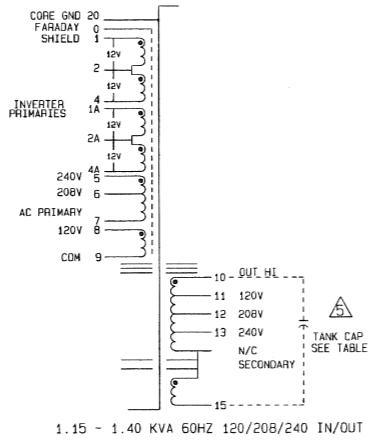


D

TRANSFORMER DRAWING #1



TRANSFORMER DRAWING #2



TRANSFORMER DRAWING #3

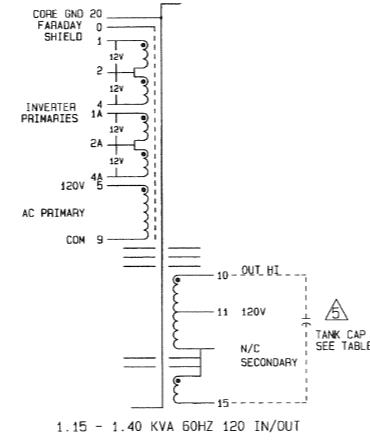


TABLE #1

UNIT SIZE	220/230/240 50Hz	120/208/240 60Hz	120 60Hz	100/200/220 60Hz	110/115/120 50Hz	200/210/220 60Hz
1.15 KVA	30 uF	25 uF	25 uF	N/A	30uF	25uF
1.40 KVA	40 uF	30 uF	35 uF	30uF	40uF	N/A

COMMON CONNECTIONS FOR ALL TRANSFORMERS

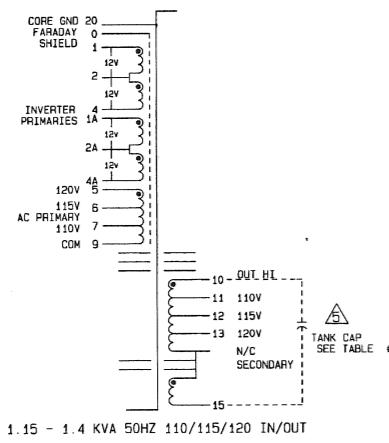
AUX POWER BOARD
E1 WHT JUMPER TO E1 OF MAIN POWER BOARD
E3 TRANSFORMER LEAD #1
E4 - BATTERY CONNECTION
E5 TRANSFORMER LEAD #4
E9 WHT/BLK JUMPER WIRE TO E13 OF MAIN POWER BOARD
E10 BROWN WIRE FROM BACK FEED RELAY
E13 WHT JUMPER WIRE TO E11 OF MAIN POWER BOARD
E14 BLUE WIRE FROM BACK FEED RELAY
MAIN POWER BOARD
E1 WHT JUMPER WIRE TO E1 OF AUX. POWER BOARD
E5 BLACK WIRE FROM TANK CAPACITOR
E6 TRANSFORMER LEAD #10
E11 WHT JUMPER WIRE TO E13 OF AUX. POWER BOARD
E13 WHT/BLK JUMPER WIRE TO E9 OF AUX. POWER BOARD
E15 RED WIRE FROM LEFT STUD OF FUSE HOLDER
E16 TRANSFORMER LEAD #4A
E17 - BATTERY CONNECTION
E18 TRANSFORMER LEAD #1A

C

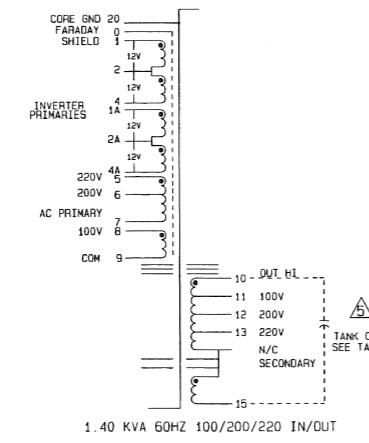
B

A

TRANSFORMER DRAWING #1



TRANSFORMER DRAWING #2



TRANSFORMER DRAWING #1

