YORK®	AIR-COOLED SCROLL CHILLERS	
WIRING DIAGRAM	New Release	Form 150.62-W3 (802)

YCAL0014E_ – 0124E_
R-22 & HFC-407C
STYLE B

* See Nomenclature on Page 3

29224(R)A

YCAL0014E_ – YCAL0124E_
10 – 125 TON
35 – 440 kW
60 Hz

200-3-60
230-3-60
380-3-60
460-3-60
575-3-60
MODELS ONLY

TABLE OF CONTENTS

WARNING

HIGH VOLTAGE
is used in the operation of this equipment.
DEATH OR SERIOUS INJURY
may result if personnel fail to observe safety precautions.

Work on electronic equipment should not be undertaken unless the individual(s) have been trained in the proper maintenance of equipment and is (are) familiar with its potential hazards.

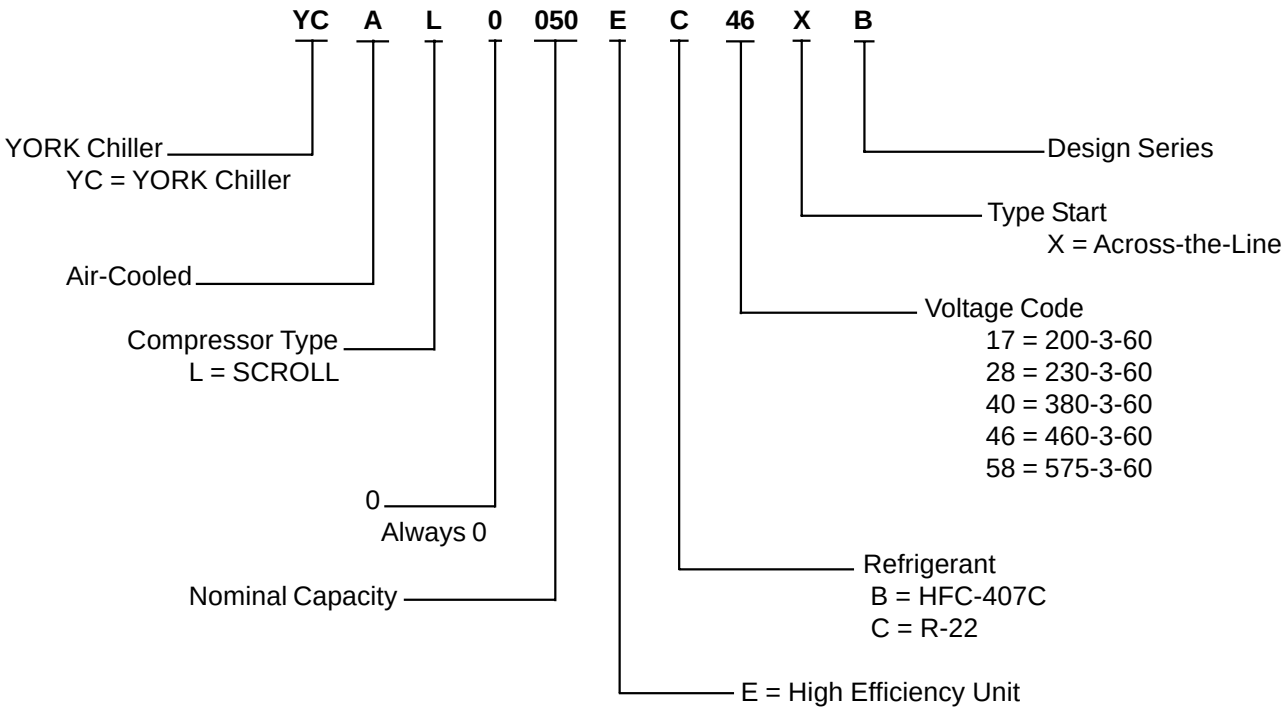
Shut off power supply to equipment before beginning work and follow lockout procedures. When working inside equipment with power off, take care to discharge every capacitor likely to hold dangerous potential.

Be careful not to contact high voltage connections when installing or operating this equipment.

LOW VOLTAGE

DO NOT be misled by the term “low voltage”.
Voltages as low as 50 volts may cause death.

TYPICAL NOMENCLATURE



THE SPACE AFTER THE "E" IN OUR UNIT NOMENCLATURE IS FOR THE TYPE OF REFRIGERANT. THIS ELECTRICAL DATA APPLIES TO BOTH THE B (HFC-407C) AND C (R-22) UNITS.

NOTES:

1. Minimum Circuit Ampacity (MCA) is based on 125% of the rated load amps for the largest motor plus 100% of the rated load amps for all other loads included in the circuit, per N.E.C. Article 430-24. If the Factory-mounted Control Transformer is provided, add the following to the system MCA values in the electrical tables: -17, add 2.5 amps; -28, add 2.3 amps; -40, add 1.5 amps, -46, add 1.3 amps; -58, add 1 amps.
2. Minimum fuse size is based upon 150% of the rated load amps for the largest motor plus 100% of the rated load amps for all other loads included in the circuit to avoid nuisance trips at start-up due to lock rotor amps. It is not recommended in applications where brown outs, frequent starting and stopping of the unit, and/or operation at ambient temperatures in excess of 95°F is anticipated.
3. Maximum fuse size is based upon 225% of the rated load amps for the largest motor plus 100% of the rated load amps for all other loads included in the circuit, per N.E.C. Article 440-22.
4. The minimum recommended disconnect switch is based on 115% of the rated load amps for all loads included in the circuit, per N.E.C. Article 440.
5. Circuit breakers must be U.L. listed and CSA certified and maximum size is based on 225% of the rated load amps for the largest motor plus 100% of the rated load amps for all other loads included in the circuit. Exception: YCA0014E_ and YCAL0020E_ must have the optional factory overloads installed to use a standard circuit breaker. Otherwise, an HACR-type circuit breakers must be used. Maximum HACR circuit breaker rating is based on 225% of the rated load amps for the largest motor plus 100% of the rated load amps for all other loads included in the circuit.
6. The "INCOMING WIRE RANGE" is the minimum and maximum wire size that can be accommodated by the unit wiring lugs. The (2) preceding the wire range indicates the number of termination points available per phase of the wire range specified. Actual wire size and number of wires per phase must be determined based on the National Electrical Code, using copper connectors only. Field wiring must also comply with local codes.
7. A ground lug is provided for each compressor system to accommodate a field grounding conductor per N.E.C. Table 250-95. A control circuit grounding lug is also supplied.
8. The supplied disconnect is a "Disconnecting Means" as defined in the N.E.C. 100, and is intended for isolating the unit for the available power supply to perform maintenance and troubleshooting. This disconnect is not intended to be a Load Break Device.
9. Optional Field Micro Panel Power Supply Note: Power can be supplied from the incoming power wiring to feed the optional control transformer.
10. Field Wiring by others which complies to the National Electrical Code & Local Codes.

LEGEND

ACR-LINE	ACROSS-THE-LINE START
C.B.	CIRCUIT BREAKER
D.E.	DUAL ELEMENT FUSE
DISC SW	DISCONNECT SWITCH
FACT MOUNT CB	FACTORY-MOUNTED CIRCUIT BREAKER
FLA	FULL LOAD AMPS
HZ	HERTZ
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MIN NF	MINIMUM NON-FUSED
RLA	RATED LOAD AMPS
S.P. WIRE	SINGLE-POINT WIRING
UNIT MTD SERV SW	UNIT MOUNTED SERVICE FUSED (NON-DISCONNECT SWITCH)
LRA	LOCKED ROTOR AMPS

ELECTRICAL DATA – STANDARD POWER CONNECTIONS
YCAL0014E_ – YCAL0034E_

STANDARD SINGLE-POINT POWER CONNECTIONS

SINGLE-POINT FIELD SUPPLIED WIRING										SYSTEM #1 COMPRESSOR & FAN							
MODEL YCAL	VOLT	HZ	MCA[1]	MIN NF DISC SW[2]	D.E. FUSE		CKT. BKR.[5]		INCOMING (LUGS) WIRE	COMPR. #1		COMPR. #2		COMPR. #3		FANS	
					MIN[3]	MAX[4]	MIN	MAX	RANGE[6]	RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA (EA)
0014E_	200	60	75	100	90	100	90	100	# 18 - # 2	26.0	195	26.0	195	—	—	2	8.2
	230	60	70	100	80	90	80	90	# 18 - # 2	24.1	195	24.1	195	—	—	2	7.8
	380	60	42	60	45	50	45	50	# 20 - # 6	14.0	113	14.0	113	—	—	2	4.8
	460	60	34	60	40	40	40	40	# 20 - # 6	11.5	98	11.5	98	—	—	2	3.8
	575	60	27	30	30	35	30	35	# 20 - # 6	9.2	80	9.2	80	—	—	2	3.1
0020E_	200	60	100	150	110	125	110	125	# 6 - 1/0	37.0	237	37.0	237	—	—	2	8.2
	230	60	93	100	110	125	110	125	# 6 - 1/0	34.3	237	34.3	237	—	—	2	7.8
	380	60	52	60	60	60	60	60	# 18 - # 2	18.5	154	18.5	154	—	—	2	4.8
	460	60	45	60	50	60	50	60	# 20 - # 6	16.3	130	16.3	130	—	—	2	3.8
	575	60	36	60	40	45	40	45	# 20 - # 6	13.1	85	13.1	85	—	—	2	3.1
0024E_	200	60	127	150	150	175	150	175	# 2 - 4/0	49.1	298	49.1	298	—	—	2	8.2
	230	60	118	150	150	150	150	150	# 2 - 4/0	45.5	298	45.5	298	—	—	2	7.8
	380	60	76	100	90	100	90	100	# 18 - # 2	29.5	235	29.5	235	—	—	2	4.8
	460	60	57	60	70	70	70	70	# 18 - # 2	21.7	170	21.7	170	—	—	2	3.8
	575	60	46	60	50	60	50	60	# 20 - # 6	17.3	140	17.3	140	—	—	2	3.1
0030E_	200	60	140	150	175	175	175	175	# 2 - 4/0	54.7	420	54.7	420	—	—	2	8.2
	230	60	130	150	150	175	150	175	# 2 - 4/0	50.7	420	50.7	420	—	—	2	7.8
	380	60	75	100	90	100	90	100	# 18 - # 2	28.7	235	28.7	235	—	—	2	4.8
	460	60	62	100	70	80	70	80	# 18 - # 2	24.1	175	24.1	175	—	—	2	3.8
	575	60	50	60	60	60	60	60	# 18 - # 2	19.3	140	19.3	140	—	—	2	3.1
0034E_	200	60	183	200	200	225	200	225	1/0 - 300	51.2	298	51.2	298	51.2	298	2	8.2
	230	60	170	200	200	200	200	200	1/0 - 300	47.4	298	47.4	298	47.4	298	2	7.8
	380	60	103	150	110	125	110	125	# 6 - 1/0	28.7	235	28.7	235	28.7	235	2	4.8
	460	60	81	100	90	100	90	100	# 18 - # 2	22.6	175	22.6	175	22.6	175	2	3.8
	575	60	65	100	70	80	70	80	# 18 - # 2	18.0	140	18.0	140	18.0	140	2	3.1

UNIT VOLTAGE	UNIT VOLTAGE	CONTROL POWER	MCA	OVER CURRENT PROTECTION, SEE NOTE B		NF DISC SW
			NOTE A	MIN	MAX	
MODELS w/o CONTROL TRANS		115-1-60/50	15A	10A	15A	30 A / 240V
MODELS w/ CONTROL TRANS	-17	200-1-60	15A	10A	15A	30 A / 240V
	-28	230-1-60	15A	10A	15A	30 A / 240V
	-40	380-1-60	15A	10A	15A	30 A / 480V
	-46	460-1-60	15A	10A	15A	30 A / 480V
	-58	575-1-60	15A	10A	15A	30 A / 600V

A. Minimum #14 AWG, 75° C, Copper Recommended

B. Minimum and Maximum Over Current Protection, Dual Element Fuse or Circuit Breaker

ELECTRICAL DATA – OPTIONAL SINGLE-POINT POWER
YCAL0014E_ – YCAL0034E_

OPTIONAL SINGLE-POINT POWER CONNECTIONS
(DISCONNECT SWITCH OR CIRCUIT BREAKER)

SINGLE-POINT FIELD SUPPLIED WIRING										
MODEL YCAL	VOLT	HZ	MCA[1]	MIN N/F DISC SW[2]	D.E. FUSE		CKT. BKR.[5]		INCOMING (LUGS) WIRE RANGE[6]	
					MIN[3]	MAX[4]	MIN	MAX	DISC SW	CIRCUIT BKR
0014E_	200	60	75	100	90	100	90	100	# 14 - 1/0	# 14 - 1/0
	230	60	70	100	80	90	80	90	# 14 - 1/0	# 14 - 1/0
	380	60	42	60	45	50	45	50	# 14 - # 2	# 14 - # 2
	460	60	34	60	40	40	40	40	# 14 - # 2	# 14 - # 2
	575	60	27	30	30	35	30	35	# 14 - # 2	# 14 - # 2
0020E_	200	60	100	150	110	125	110	125	# 2 - 4/0	# 2 - 4/0
	230	60	93	100	110	125	110	125	# 14 - 1/0	# 2 - 4/0
	380	60	52	60	60	60	60	60	# 14 - # 2	# 14 - # 2
	460	60	45	60	50	60	50	60	# 14 - # 2	# 14 - # 2
	575	60	36	60	40	45	40	45	# 14 - # 2	# 14 - # 2
0024E_	200	60	127	150	150	175	150	175	# 4 - 300	# 2 - 4/0
	230	60	118	150	150	150	150	150	# 4 - 300	# 2 - 4/0
	380	60	76	100	90	100	90	100	# 14 - 1/0	# 14 - 1/0
	460	60	57	60	70	70	70	70	# 14 - # 2	# 14 - 1/0
	575	60	46	60	50	60	50	60	# 14 - # 2	# 14 - # 2
0030E_	200	60	140	150	175	175	175	175	# 4 - 300	# 4 - 300
	230	60	130	150	150	175	150	175	# 4 - 300	# 2 - 4/0
	380	60	75	100	90	100	90	100	# 14 - 1/0	# 14 - 1/0
	460	60	62	100	70	80	70	80	# 14 - 1/0	# 14 - 1/0
	575	60	50	60	60	60	60	60	# 14 - # 2	# 14 - # 2
0034E_	200	60	183	200	200	225	200	225	# 4 - 300	# 4 - 300
	230	60	170	200	200	200	200	200	# 4 - 300	# 4 - 300
	380	60	103	150	110	125	110	125	# 2 - 4/0	# 2 - 4/0
	460	60	81	100	90	100	90	100	# 14 - 1/0	# 14 - 1/0
	575	60	65	100	70	80	70	80	# 14 - 1/0	# 14 - 1/0

See Notes on page 4.

ELECTRICAL DATA – OPTIONAL SINGLE-POINT POWER
YCAL0014E_ – YCAL0034E_

OPTIONAL SINGLE-POINT POWER CONNECTIONS
(DISCONNECT SWITCH OR CIRCUIT BREAKER)

SYSTEM #1 COMPRESSOR & FAN							
COMPR. #1		COMPR. #2		COMPR. #3		FANS	
RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA (EA)
26.0	195	26.0	195	—	—	2	8.2
24.1	195	24.1	195	—	—	2	7.8
14.0	113	14.0	113	—	—	2	4.8
11.5	98	11.5	98	—	—	2	3.8
9.2	80	9.2	80	—	—	2	3.1
37.0	237	37.0	237	—	—	2	8.2
34.3	237	34.3	237	—	—	2	7.8
18.5	154	18.5	154	—	—	2	4.8
16.3	130	16.3	130	—	—	2	3.8
13.1	85	13.1	85	—	—	2	3.1
49.1	298	49.1	298	—	—	2	8.2
45.5	298	45.5	298	—	—	2	7.8
29.5	235	29.5	235	—	—	2	4.8
21.7	170	21.7	170	—	—	2	3.8
17.3	140	17.3	140	—	—	2	3.1
54.7	420	54.7	420	—	—	2	8.2
50.7	420	50.7	420	—	—	2	7.8
28.7	235	28.7	235	—	—	2	4.8
24.1	175	24.1	175	—	—	2	3.8
19.3	140	19.3	140	—	—	2	3.1
51.2	298	51.2	298	51.2	298	2	8.2
47.4	298	47.4	298	47.4	298	2	7.8
28.7	235	28.7	235	28.7	235	2	4.8
22.6	175	22.6	175	22.6	175	2	3.8
18.0	140	18.0	140	18.0	140	2	3.1

ELECTRICAL DATA – STANDARD DUAL POINT POWER
YCAL0040E_ – YCAL0080E_

STANDARD DUAL POINT POWER CONNECTIONS

SYSTEM #1 FIELD SUPPLIED WIRING										SYSTEM #1 COMPRESSOR & FAN							
MODEL YCAL	VOLT	HZ	MCA[1]	MIN NF DISC SW[2]	D.E. FUSE		CKT. BKR.[5]		INCOMING (LUGS) WIRE RANGE[6]	COMPR. #1		COMPR. #2		COMPR. #3		FANS	
					MIN[3]	MAX[4]	MIN	MAX		RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA (EA)
0040E_	200	60	91	100	100	110	100	110	# 6 - 1/0	32.9	265	32.9	265	—	—	2	8.2
	230	60	85	100	100	110	100	110	# 18 - # 2	30.5	265	30.5	265	—	—	2	7.8
	380	60	54	60	60	70	60	70	# 18 - # 2	19.4	155	19.4	155	—	—	2	4.8
	460	60	41	60	45	50	45	50	# 20 - # 6	14.5	120	14.5	120	—	—	2	3.8
	575	60	33	60	40	40	40	40	# 20 - # 6	11.6	80	11.6	80	—	—	2	3.1
0042E_	200	60	130	150	150	175	150	175	# 6 - 1/0	50.2	298	50.2	298	—	—	2	8.2
	230	60	121	150	150	150	150	150	# 6 - 1/0	46.5	298	46.5	298	—	—	2	7.8
	380	60	73	100	80	100	80	100	# 18 - # 2	28.1	235	28.1	235	—	—	2	4.8
	460	60	58	60	70	70	70	70	# 18 - # 2	22.1	170	22.1	170	—	—	2	3.8
	575	60	47	60	60	60	60	60	# 20 - # 6	17.7	140	17.7	140	—	—	2	3.1
0044E_	200	60	130	150	150	175	150	175	# 2 - 4/0	50.2	298	50.2	298	—	—	2	8.2
	230	60	121	150	150	150	150	150	# 2 - 4/0	46.5	298	46.5	298	—	—	2	7.8
	380	60	73	100	80	100	80	100	# 18 - # 2	28.1	235	28.1	235	—	—	2	4.8
	460	60	58	60	70	70	70	70	# 18 - # 2	22.1	170	22.1	170	—	—	2	3.8
	575	60	47	60	60	60	60	60	# 18 - # 2	17.7	140	17.7	140	—	—	2	3.1
0050E_	200	60	146	200	175	200	175	200	# 2 - 4/0	57.4	420	57.4	420	—	—	2	8.2
	230	60	136	150	150	175	150	175	# 2 - 4/0	53.1	420	53.1	420	—	—	2	7.8
	380	60	79	100	90	100	90	100	# 18 - # 2	30.8	235	30.8	235	—	—	2	4.8
	460	60	65	100	80	80	80	80	# 18 - # 2	25.3	175	25.3	175	—	—	2	3.8
	575	60	52	60	60	70	60	70	# 18 - # 2	20.2	140	20.2	140	—	—	2	3.1
0060E_	200	60	141	150	175	175	175	175	# 2 - 4/0	55.0	420	55.0	420	—	—	2	8.2
	230	60	131	150	150	175	150	175	# 2 - 4/0	50.9	420	50.9	420	—	—	2	7.8
	380	60	77	100	90	100	90	100	# 18 - # 2	29.6	235	29.6	235	—	—	2	4.8
	460	60	63	100	70	80	70	80	# 18 - # 2	24.2	175	24.2	175	—	—	2	3.8
	575	60	50	60	60	60	60	60	# 18 - # 2	19.4	140	19.4	140	—	—	2	3.1
0064E_	200	60	187	200	200	225	200	225	# 6 - 400	52.4	298	52.4	298	52.4	298	2	8.2
	230	60	174	200	200	200	200	200	# 6 - 400	48.6	298	48.6	298	48.6	298	2	7.8
	380	60	105	150	125	125	125	125	# 6 - 1/0	29.3	235	29.3	235	29.3	235	2	4.8
	460	60	83	100	90	100	90	100	# 18 - # 2	23.1	170	23.1	170	23.1	170	2	3.8
	575	60	67	100	80	80	80	80	# 18 - # 2	18.5	140	18.5	140	18.5	140	2	3.1
0070E_	200	60	185	200	200	225	200	225	# 6 - 400	51.8	298	51.8	298	51.8	298	2	8.2
	230	60	172	200	200	200	200	200	# 6 - 400	48.0	298	48.0	298	48.0	298	2	7.8
	380	60	104	150	125	125	125	125	# 6 - 1/0	29.0	235	29.0	235	29.0	235	2	4.8
	460	60	82	100	90	100	90	100	# 18 - # 2	22.9	170	22.9	170	22.9	170	2	3.8
	575	60	66	100	80	80	80	80	# 18 - # 2	18.3	140	18.3	140	18.3	140	2	3.1
0074E_	200	60	208	250	225	250	225	250	# 6 - 400	58.9	420	58.9	420	58.9	420	2	8.2
	230	60	193	250	225	225	225	225	# 6 - 400	54.5	420	54.5	420	54.5	420	2	7.8
	380	60	113	150	125	125	125	125	# 6 - 1/0	31.6	235	31.6	235	31.6	235	2	4.8
	460	60	92	100	100	110	100	110	# 6 - 1/0	26.0	175	26.0	175	26.0	175	2	3.8
	575	60	74	100	80	90	80	90	# 18 - # 2	20.8	140	20.8	140	20.8	140	2	3.1
0080E_	200	60	207	250	225	250	225	250	# 6 - 400	58.6	420	58.6	420	58.6	420	2	8.2
	230	60	192	250	225	225	225	225	# 6 - 400	54.2	420	54.2	420	54.2	420	2	7.8
	380	60	112	150	125	125	125	125	# 6 - 1/0	31.5	235	31.5	235	31.5	235	2	4.8
	460	60	92	100	100	110	100	110	# 6 - 1/0	25.8	175	25.8	175	25.8	175	2	3.8
	575	60	74	100	80	90	80	90	# 18 - # 2	20.7	140	20.7	140	20.7	140	2	3.1

See Notes on page 4.

ELECTRICAL DATA – STANDARD DUAL POINT POWER
YCA0040E_ – YCAL0080E_

STANDARD DUAL POINT POWER CONNECTIONS

SYSTEM #2 FIELD SUPPLIED WIRING							SYSTEM #2 COMPRESSOR & FAN							
MCA[1]	MIN NF DISC SW[2]	D.E. FUSE		CKT. BRK.[5]		INCOMING (LUGS) WIRE	COMPR. #1		COMPR. #2		COMPR. #3		FANS	
		MIN[3]	MAX[4]	MIN	MAX	RANGE[6]	RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA (EA)
91	100	100	110	100	110	# 6 - 1/0	32.9	265	32.9	265	—	—	2	8.2
85	100	100	110	100	110	# 18 - # 2	30.5	265	30.5	265	—	—	2	7.8
54	60	60	70	60	70	# 18 - # 2	19.4	155	19.4	155	—	—	2	4.8
41	60	45	50	45	50	# 20 - # 6	14.5	120	14.5	120	—	—	2	3.8
33	60	40	40	40	40	# 20 - # 6	11.6	80	11.6	80	—	—	2	3.1
91	100	100	110	100	110	# 18 - # 2	32.9	265	32.9	265	—	—	2	8.2
85	100	100	110	100	110	# 18 - # 2	30.5	265	30.5	265	—	—	2	7.8
54	60	60	70	60	70	# 20 - # 6	19.4	155	19.4	155	—	—	2	4.8
41	60	45	50	45	50	# 20 - # 6	14.5	120	14.5	120	—	—	2	3.8
33	60	40	40	40	40	# 20 - # 6	11.6	80	11.6	80	—	—	2	3.1
130	150	150	175	150	175	# 2 - 4/0	50.2	298	50.2	298	—	—	2	8.2
121	150	150	150	150	150	# 2 - 4/0	46.5	298	46.5	298	—	—	2	7.8
73	100	80	100	80	100	# 18 - # 2	28.1	235	28.1	235	—	—	2	4.8
58	60	70	70	70	70	# 18 - # 2	22.1	170	22.1	170	—	—	2	3.8
47	60	60	60	60	60	# 18 - # 2	17.7	140	17.7	140	—	—	2	3.1
130	150	150	175	150	175	# 2 - 4/0	49.5	298	49.5	298	—	—	2	8.2
121	150	150	150	150	150	# 2 - 4/0	45.9	298	45.9	298	—	—	2	7.8
73	100	80	100	80	100	# 18 - # 2	27.8	235	27.8	235	—	—	2	4.8
58	60	70	70	70	70	# 18 - # 2	21.8	170	21.8	170	—	—	2	3.8
47	60	60	60	60	60	# 18 - # 2	17.5	140	17.5	140	—	—	2	3.1
141	150	175	175	175	175	# 2 - 4/0	55.0	420	55.0	420	—	—	2	8.2
131	150	150	175	150	175	# 2 - 4/0	50.9	420	50.9	420	—	—	2	7.8
77	100	90	100	90	100	# 18 - # 2	29.6	235	29.6	235	—	—	2	4.8
63	100	70	80	70	80	# 18 - # 2	24.2	175	24.2	175	—	—	2	3.8
50	60	60	60	60	60	# 18 - # 2	19.4	140	19.4	140	—	—	2	3.1
128	150	150	150	150	150	# 6 - 400	34.2	265	34.2	265	34.2	265	2	8.2
119	150	150	150	150	150	# 6 - 400	31.6	265	31.6	265	31.6	265	2	7.8
76	100	90	90	90	90	# 18 - # 2	20.2	155	20.2	155	20.2	155	2	4.8
57	100	70	70	70	70	# 18 - # 2	15.1	120	15.1	120	15.1	120	2	3.8
46	60	50	50	50	50	# 18 - # 2	12.0	80	12.0	80	12.0	80	2	3.1
185	200	200	225	200	225	# 6 - 400	51.8	298	51.8	298	51.8	298	2	8.2
172	200	200	200	200	200	# 6 - 400	48.0	298	48.0	298	48.0	298	2	7.8
104	150	125	125	125	125	# 6 - 1/0	29.0	235	29.0	235	29.0	235	2	4.8
82	100	90	100	90	100	# 18 - # 2	22.9	170	22.9	170	22.9	170	2	3.8
66	100	80	80	80	80	# 18 - # 2	18.3	140	18.3	140	18.3	140	2	3.1
181	200	200	225	200	225	# 6 - 400	50.5	298	50.5	298	50.5	298	2	8.2
168	200	200	200	200	200	# 6 - 400	46.8	298	46.8	298	46.8	298	2	7.8
102	150	110	125	110	125	# 6 - 1/0	28.3	235	28.3	235	28.3	235	2	4.8
80	100	90	100	90	100	# 18 - # 2	22.3	170	22.3	170	22.3	170	2	3.8
65	100	70	80	70	80	# 18 - # 2	17.8	140	17.8	140	17.8	140	2	3.1
207	250	225	250	225	250	# 6 - 400	58.6	420	58.6	420	58.6	420	2	8.2
192	250	225	225	225	225	# 6 - 400	54.2	420	54.2	420	54.2	420	2	7.8
112	150	125	125	125	125	# 6 - 1/0	31.5	235	31.5	235	31.5	235	2	4.8
92	100	100	110	100	110	# 6 - 1/0	25.8	175	25.8	175	25.8	175	2	3.8
74	100	80	90	80	90	# 18 - # 2	20.7	140	20.7	140	20.7	140	2	3.1

ELECTRICAL DATA – OPTIONAL SINGLE-POINT POWER
YCAL0040E_ – YCAL0060E_

OPTIONAL SINGLE-POINT POWER CONNECTION
(TERMINAL BLOCK, DISCONNECT SWITCH OR CIRCUIT BREAKER)

SINGLE-POINT FIELD SUPPLIED WIRING

MODEL YCAL	VOLT	HZ	MCA[1]	MIN N/F DISC SW[2]	D.E. FUSE		CKT. BKR.[5]		INCOMING (LUGS) WIRE RANGE[6] FACTORY SUPPLIED OPTIONAL		
					MIN[3]	MAX[4]	MIN	MAX	SINGLE-POINT	DISCONNECT	BREAKER
	200	60	173	200	200	200	200	200	#2 - 4/0	#4 - 300	#4 - 300
	230	60	161	200	175	175	175	175	#2 - 4/0	#4 - 300	#4 - 300
0040E_	380	60	102	150	110	110	110	110	# 6 - 1/0	# 2 - 4/0	# 2 - 4/0
	460	60	77	100	90	90	90	90	# 18 - # 2	# 14 - 1/0	# 14 - 1/0
	575	60	62	100	70	70	70	70	# 18 - # 2	# 14 - 1/0	# 14 - 1/0
	200	60	212	250	225	250	225	250	# 4 - 500	# 6 - 350	#4 - 300
	230	60	197	250	225	225	225	225	# 4 - 500	# 6 - 350	#4 - 300
0042E_	380	60	122	150	150	150	150	150	# 6 - 1/0	# 2 - 4/0	# 2 - 4/0
	460	60	95	150	100	110	100	110	# 6 - 1/0	# 2 - 4/0	# 14 - 1/0
	575	60	76	100	80	90	80	90	# 18 - # 2	# 14 - 1/0	# 14 - 1/0
	200	60	247	400	300	300	300	300	# 4 - 500	250 - 500	250 - 500
	230	60	229	250	250	250	250	250	# 4 - 500	# 6 - 350	# 6 - 350
0044E_	380	60	139	200	150	150	150	150	#2 - 4/0	# 4 - 300	# 2 - 4/0
	460	60	110	150	125	125	125	125	# 6 - 1/0	# 2 - 4/0	# 2 - 4/0
	575	60	88	100	100	100	100	100	# 6 - 1/0	# 14 - 1/0	# 14 - 1/0
	200	60	261	400	300	300	300	300	# 4 - 500	250 - 500	250 - 500
	230	60	243	400	300	300	300	300	# 4 - 500	250 - 500	250 - 500
0050E_	380	60	145	200	175	175	175	175	#2 - 300	# 4 - 300	# 4 - 300
	460	60	116	150	125	125	125	125	# 2 - 4/0	# 2 - 4/0	# 2 - 4/0
	575	60	93	150	100	110	100	110	# 6 - 4/0	# 2 - 4/0	# 14 - 1/0
	200	60	267	400	300	300	300	300	# 4 - 500	250 - 500	250 - 500
	230	60	248	400	300	300	300	300	# 4 - 500	250 - 500	250 - 500
0060E_	380	60	145	200	175	175	175	175	# 2 - 4/0	# 4 - 300	# 4 - 300
	460	60	119	150	125	125	125	125	# 6 - 1/0	# 2 - 4/0	# 2 - 4/0
	575	60	95	150	100	110	100	110	# 6 - 1/0	# 2 - 4/0	# 14 - 1/0

See Notes on page 4.

ELECTRICAL DATA – OPTIONAL SINGLE-POINT POWER
YCAL0040E_ – YCAL0060E_

OPTIONAL SINGLE-POINT POWER CONNECTION
(TERMINAL BLOCK, DISCONNECT SWITCH OR CIRCUIT BREAKER)

SYSTEM #1 COMPRESSOR & FAN								SYSTEM #2 COMPRESSOR & FAN							
COMPR. #1		COMPR. #2		COMPR. #3		FANS		COMPR. #1		COMPR. #2		COMPR. #3		FANS	
RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA (EA)	RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA (EA)
32.9	265	32.9	265	—	—	2	8.2	32.9	265	32.9	265	—	—	2	8.2
30.5	265	30.5	265	—	—	2	7.8	30.5	265	30.5	265	—	—	2	7.8
19.4	155	19.4	155	—	—	2	4.8	19.4	155	19.4	155	—	—	2	4.8
14.5	120	14.5	120	—	—	2	3.8	14.5	120	14.5	120	—	—	2	3.8
11.6	80	11.6	80	—	—	2	3.1	11.6	80	11.6	80	—	—	2	3.1
50.2	298	50.2	298	—	—	2	8.2	32.9	265	32.9	265	—	—	2	8.2
46.5	298	46.5	298	—	—	2	7.8	30.5	265	30.5	265	—	—	2	7.8
28.1	235	28.1	235	—	—	2	4.8	19.4	155	19.4	155	—	—	2	4.8
22.1	170	22.1	170	—	—	2	3.8	14.5	120	14.5	120	—	—	2	3.8
17.7	140	17.7	140	—	—	2	3.1	11.6	80	11.6	80	—	—	2	3.1
50.2	298	50.2	298	—	—	2	8.2	50.2	298	50.2	298	—	—	2	8.2
46.5	298	46.5	298	—	—	2	7.8	46.5	298	46.5	298	—	—	2	7.8
28.1	235	28.1	235	—	—	2	4.8	28.1	235	28.1	235	—	—	2	4.8
22.1	170	22.1	170	—	—	2	3.8	22.1	170	22.1	170	—	—	2	3.8
17.7	140	17.7	140	—	—	2	3.1	17.7	140	17.7	140	—	—	2	3.1
57.4	420	57.4	420	—	—	2	8.2	49.5	298	49.5	298	—	—	2	8.2
53.1	420	53.1	420	—	—	2	7.8	45.9	298	45.9	298	—	—	2	7.8
30.8	235	30.8	235	—	—	2	4.8	27.8	235	27.8	235	—	—	2	4.8
25.3	175	25.3	175	—	—	2	3.8	21.8	170	21.8	170	—	—	2	3.8
20.2	140	20.2	140	—	—	2	3.1	17.5	140	17.5	140	—	—	2	3.1
55.0	420	55.0	420	—	—	2	8.2	55.0	420	55.0	420	—	—	2	8.2
50.9	420	50.9	420	—	—	2	7.8	50.9	420	50.9	420	—	—	2	7.8
29.6	235	29.6	235	—	—	2	4.8	29.6	235	29.6	235	—	—	2	4.8
24.2	175	24.2	175	—	—	2	3.8	24.2	175	24.2	175	—	—	2	3.8
19.4	140	19.4	140	—	—	2	3.1	19.4	140	19.4	140	—	—	2	3.1

ELECTRICAL DATA – OPTIONAL SINGLE-POINT POWER
YCAL0064E_ – YCAL0080E_

OPTIONAL SINGLE-POINT POWER CONNECTION
(TERMINAL BLOCK, DISCONNECT SWITCH OR CIRCUIT BREAKER)

SINGLE-POINT FIELD SUPPLIED WIRING

MODEL YCAL	VOLT	HZ	MCA[1]	MIN NF DISC SW[2]	D.E. FUSE		CKT. BKR.[5]		INCOMING (LUGS) WIRE RANGE[6] FACTORY SUPPLIED OPTIONAL		
					MIN[3]	MAX[4]	MIN	MAX	SINGLE-POINT	DISCONNECT	BREAKER
	200	60	306	400	350	350	350	350	# 4 - 500	250 - 500	250 - 500
	230	60	284	400	300	300	300	300	# 4 - 500	250 - 500	250 - 500
0064E_	380	60	175	200	200	200	200	200	# 2 - 4/0	# 4 - 300	# 4 - 300
	460	60	136	150	150	150	150	150	# 2 - 4/0	# 2 - 4/0	# 2 - 4/0
	575	60	109	150	125	125	125	125	# 6 - 1/0	# 2 - 4/0	# 2 - 4/0
	200	60	357	400	400	400	400	400	500 - (2) 4/0	250 - 500	250 - 500
	230	60	332	400	350	350	350	350	# 4 - 500	250 - 500	250 - 500
0070E_	380	60	201	250	225	225	225	225	1/0 - 300	# 4 - 300	# 4 - 300
	460	60	159	200	175	175	175	175	# 2 - 4/0	# 4 - 300	# 4 - 300
	575	60	127	150	150	150	150	150	# 2 - 4/0	# 2 - 4/0	# 2 - 4/0
	200	60	376	600	400	400	400	400	(2) # 4 - (2) 500	(2) 250 - (2) 500	250 - 500
	230	60	349	400	400	400	400	400	500 - (2) 4/0	250 - 500	250 - 500
0074E_	380	60	207	250	225	225	225	225	1/0 - 300	# 6 - 350	# 4 - 300
	460	60	167	200	175	175	175	175	# 2 - 4/0	# 4 - 300	# 4 - 300
	575	60	134	150	150	150	150	150	# 2 - 4/0	# 2 - 4/0	# 2 - 4/0
	200	60	399	600	450	450	450	450	(2) # 4 - (2) 500	(2)250 - (2) 500	(2) 250 - (2) 500
	230	60	371	600	400	400	400	400	(2) # 4 - (2) 500	250 - 500	250 - 500
0080E_	380	60	216	250	225	225	225	225	1/0 - 300	# 6 - 350	#4 - 300
	460	60	177	200	200	200	200	200	# 2 - 4/0	#4 - 300	#4 - 300
	575	60	142	200	150	150	150	150	# 2 - 4/0	# 6 - 350	# 2 - 4/0

See Notes on page 4.

ELECTRICAL DATA – OPTIONAL SINGLE-POINT POWER
YCAL0064E_ – YCAL0080E_

OPTIONAL SINGLE-POINT POWER CONNECTION
(TERMINAL BLOCK, DISCONNECT SWITCH OR CIRCUIT BREAKER)

SYSTEM #1 COMPRESSOR & FAN								SYSTEM #2 COMPRESSOR & FAN							
COMPR. #1		COMPR. #2		COMPR. #3		FANS		COMPR. #1		COMPR. #2		COMPR. #3		FANS	
RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA (EA)	RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA (EA)
52.4	298	52.4	298	52.4	298	2	8.2	34.2	265	34.2	265	34.2	265	2	8.2
48.6	298	48.6	298	48.6	298	2	7.8	31.6	265	31.6	265	31.6	265	2	7.8
29.3	235	29.3	235	29.3	235	2	4.8	20.2	155	20.2	155	20.2	155	2	4.8
23.1	170	23.1	170	23.1	170	2	3.8	15.1	120	15.1	120	15.1	120	2	3.8
18.5	140	18.5	140	18.5	140	2	3.1	12.0	80	12.0	80	12.0	80	2	3.1
51.8	298	51.8	298	51.8	298	2	8.2	51.8	298	51.8	298	51.8	298	2	8.2
48.0	298	48.0	298	48.0	298	2	7.8	48.0	298	48.0	298	48.0	298	2	7.8
29.0	235	29.0	235	29.0	235	2	4.8	29.0	235	29.0	235	29.0	235	2	4.8
22.9	170	22.9	170	22.9	170	2	3.8	22.9	170	22.9	170	22.9	170	2	3.8
18.3	140	18.3	140	18.3	140	2	3.1	18.3	140	18.3	140	18.3	140	2	3.1
58.9	420	58.9	420	58.9	420	2	8.2	50.5	298	50.5	298	50.5	298	2	8.2
54.5	420	54.5	420	54.5	420	2	7.8	46.8	298	46.8	298	46.8	298	2	7.8
31.6	235	31.6	235	31.6	235	2	4.8	28.3	235	28.3	235	28.3	235	2	4.8
26.0	175	26.0	175	26.0	175	2	3.8	22.3	170	22.3	170	22.3	170	2	3.8
20.8	140	20.8	140	20.8	140	2	3.1	17.8	140	17.8	140	17.8	140	2	3.1
58.6	420	58.6	420	58.6	420	2	8.2	58.6	420	58.6	420	58.6	420	2	8.2
54.2	420	54.2	420	54.2	420	2	7.8	54.2	420	54.2	420	54.2	420	2	7.8
31.5	235	31.5	235	31.5	235	2	4.8	31.5	235	31.5	235	31.5	235	2	4.8
25.8	175	25.8	175	25.8	175	2	3.8	25.8	175	25.8	175	25.8	175	2	3.8
20.7	140	20.7	140	20.7	140	2	3.1	20.7	140	20.7	140	20.7	140	2	3.1

ELECTRICAL DATA – MULTIPLE POINT POWER SUPPLY
YCAL0090_ – YCAL0124_
MULTIPLE POINT POWER SUPPLY CONNECTIONS

(Two Field Provided Power Supply Circuits to the chiller. Field connections to Factory Provided Terminal Blocks (standard), Non-Fused Disconnect Switches (optional), or Individual System Circuit Breakers (optional) per electrical system)

		SYSTEM #1 FIELD SUPPLIED WIRING								
								INCOMING (LUGS) WIRE RANGE[6]		
MODEL YCAL	VOLT	MCA[1]	MIN N/F DISC SW[2]	D.E. FUSE MIN[3]	D.E. FUSE MAX[4]	CKT. BKR.[5] MIN	CKT. BKR.[5] MAX	TERMINAL BLOCK (std)	NF DISC. SWITCHES (opt)	CIR BREAKERS (opt)
0090	200	251	400	300	350	300	350	# 6 - 400	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	230	233	250	300	300	300	300	# 6 - 400	(1) # 6 - 350	(1 or 2) 3/0 - 500
	380	135	150	150	175	150	175	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	460	111	150	125	150	125	150	# 14 - 2/0	(1) # 6 - 350	(1) # 3 - 3/0
	575	89	100	100	110	100	110	# 14 - 2/0	(1) # 6 - 350	(1) # 10 - 1/0
0094	200	251	400	300	350	300	350	# 6 - 400	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	230	233	250	300	300	300	300	# 6 - 400	(1) # 6 - 350	(1 or 2) 3/0 - 500
	380	135	150	150	175	150	175	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	460	111	150	125	150	125	150	# 14 - 2/0	(1) # 6 - 350	(1) # 3 - 3/0
	575	89	100	100	110	100	110	# 14 - 2/0	(1) # 6 - 350	(1) # 10 - 1/0
0104	200	274	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	230	254	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	380	148	200	175	175	175	175	# 14 - 2/0	(1) # 6 - 350	(1) # 3 - 3/0
	460	122	150	150	150	150	150	# 14 - 2/0	(1) # 6 - 350	(1) # 10 - 1/0
	575	98	150	110	110	110	110	# 14 - 2/0	(1) # 10 - 1/0	(1) # 10 - 1/0
0114	200	274	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	230	254	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	380	148	200	175	175	175	175	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	460	122	150	150	150	150	150	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	575	98	150	110	110	110	110	# 14 - 2/0	(1) # 6 - 350	(1) # 3 - 3/0
0124	200	359	400	400	450	400	450	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	230	333	400	400	400	400	400	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	380	194	250	225	225	225	225	# 6 - 400	(1) # 6 - 350	(1) # 6 - 350
	460	159	200	175	200	175	200	# 6 - 400	(1) # 6 - 350	(1) # 6 - 350
	575	128	150	150	150	150	150	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350

		SYSTEM #2 FIELD SUPPLIED WIRING								
								INCOMING (LUGS) WIRE RANGE[6]		
MODEL YCAL	VOLT	MCA[1]	MIN N/F DISC SW[2]	D.E. FUSE MIN[3]	D.E. FUSE MAX[4]	CKT. BKR.[5] MIN	CKT. BKR.[5] MAX	TERMINAL BLOCK (std)	NF DISC. SWITCHES (opt)	CIR BREAKERS (opt)
0090	200	191	200	225	250	225	250	# 6 - 400	(1) # 6 - 350	(1) # 6 - 350
	230	178	200	200	225	200	225	# 6 - 400	(1) # 6 - 350	(1) # 6 - 350
	380	104	150	125	125	125	125	# 14 - 2/0	(1) # 6 - 350	(1) # 3 - 3/0
	460	85	100	100	110	100	110	# 14 - 2/0	(1) # 10 - 1/0	(1) # 10 - 1/0
	575	68	100	80	90	80	90	# 14 - 2/0	(1) # 10 - 1/0	(1) # 10 - 1/0
0094	200	251	400	300	350	300	350	# 6 - 400	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	230	233	250	300	300	300	300	# 6 - 400	(1) # 6 - 350	(1 or 2) 3/0 - 500
	380	135	150	150	175	150	175	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	460	111	150	125	150	125	150	# 14 - 2/0	(1) # 6 - 350	(1) # 3 - 3/0
	575	89	100	100	110	100	110	# 14 - 2/0	(1) # 6 - 350	(1) # 10 - 1/0
0104	200	259	400	300	350	300	350	# 6 - 400	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	230	241	250	300	300	300	300	# 6 - 400	(1) # 6 - 350	(1 or 2) 3/0 - 500
	380	140	150	175	175	175	175	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	460	115	150	150	150	150	150	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	575	92	100	110	125	110	125	# 14 - 2/0	(1) # 6 - 350	(1) # 3 - 3/0
0114	200	274	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	230	254	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	380	148	200	175	175	175	175	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	460	122	150	150	150	150	150	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	575	98	150	110	110	110	110	# 14 - 2/0	(1) # 6 - 350	(1) # 3 - 3/0
0124	200	374	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	230	354	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500	(1 or 2) 3/0 - 500
	380	148	200	175	175	175	175	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	460	122	150	150	150	150	150	# 14 - 2/0	(1) # 6 - 350	(1) # 6 - 350
	575	98	150	110	110	110	110	# 14 - 2/0	(1) # 6 - 350	(1) # 3 - 3/0

See Notes on page 4.

ELECTRICAL DATA – MULTIPLE POINT POWER SUPPLY
YCAL0090_ – YCAL0124_

MULTIPLE POINT POWER SUPPLY CONNECTIONS

(Two Field Provided Power Supply Circuits to the chiller. Field connections to Factory Provided Terminal Blocks (standard), Non-Fused Disconnect Switches (optional), or Individual System Circuit Breakers (optional) per electrical system)

SYSTEM #1 COMPRESSOR & FAN

COMPR. #1		COMPR. #2		COMPR. #3		FANS	
RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA(EA)
100.2	550	100.2	550	—	—	3	8.2
92.8	550	92.8	550	—	—	3	7.8
53.5	305	53.5	305	—	—	3	4.8
44.2	270	44.2	270	—	—	3	3.8
35.4	210	35.4	210	—	—	3	3.1
100.2	550	100.2	550	—	—	3	8.2
92.8	550	92.8	550	—	—	3	7.8
53.5	305	53.5	305	—	—	3	4.8
44.2	270	44.2	270	—	—	3	3.8
35.4	210	35.4	210	—	—	3	3.1
73.9	450	73.9	450	73.9	450	4	8.2
68.5	450	68.5	450	68.5	450	4	7.8
39.5	260	39.5	260	39.5	260	4	4.8
32.6	215	32.6	215	32.6	215	4	3.8
26.1	180	26.1	180	26.1	180	4	3.1
73.9	450	73.9	450	73.9	450	4	8.2
68.5	450	68.5	450	68.5	450	4	7.8
39.5	260	39.5	260	39.5	260	4	4.8
32.6	215	32.6	215	32.6	215	4	3.8
26.1	180	26.1	180	26.1	180	4	3.1
100.2	550	100.2	550	100.2	550	4	8.2
92.8	550	92.8	550	92.8	550	4	7.8
53.5	305	53.5	305	53.5	305	4	4.8
44.2	270	44.2	270	44.2	270	4	3.8
35.4	210	35.4	210	35.4	210	4	3.1

SYSTEM #2 COMPRESSOR & FAN

COMPR. #1		COMPR. #2		COMPR. #3		FANS	
RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA(EA)
73.9	450	73.9	450	—	—	3	8.2
68.5	450	68.5	450	—	—	3	7.8
39.5	260	39.5	260	—	—	3	4.8
32.6	215	32.6	215	—	—	3	3.8
26.1	180	26.1	180	—	—	3	3.1
100.2	550	100.2	550	—	—	3	8.2
92.8	550	92.8	550	—	—	3	7.8
53.5	305	53.5	305	—	—	3	4.8
44.2	270	44.2	270	—	—	3	3.8
35.4	210	35.4	210	—	—	3	3.1
100.2	550	100.2	550	—	—	4	8.2
92.8	550	92.8	550	—	—	4	7.8
53.5	305	53.5	305	—	—	4	4.8
44.2	270	44.2	270	—	—	4	3.8
35.4	210	35.4	210	—	—	4	3.1
73.9	450	73.9	450	73.9	450	4	8.2
68.5	450	68.5	450	68.5	450	4	7.8
39.5	260	39.5	260	39.5	260	4	4.8
32.6	215	32.6	215	32.6	215	4	3.8
26.1	180	26.1	180	26.1	180	4	3.1
73.9	450	73.9	450	73.9	450	4	8.2
68.5	450	68.5	450	68.5	450	4	7.8
39.5	260	39.5	260	39.5	260	4	4.8
32.6	215	32.6	215	32.6	215	4	3.8
26.1	180	26.1	180	26.1	180	4	3.1

ELECTRICAL DATA – SINGLE POINT POWER SUPPLY
YCAL0090_ – YCAL0124_

SINGLE POINT POWER SUPPLY CONNECTIONS WITH INDIVIDUAL SYSTEM CIRCUIT BREAKERS

(One Field Provided Power Supply Circuit to the chiller. Field connections to Factory Provided Teminal Block (optional) or Non-Fused Disconnect Switch (optional). Includes Individual Branch Circuit Protection (Breakers) per electrical system)

MODEL YCAL	VOLT	HZ	SINGLE POINT FIELD SUPPLIED WIRING							
									INCOMING (LUGS) WIRE RANGE[6]	
				MIN N/F	D.E. FUSE		CKT. BKR.[5]		TERMINAL	NF DISC. SWITCH
			MCA[1]	DISC SW[2]	MIN[3]	MAX[4]	MIN	MAX	BLOCK (opt)	(opt)
0090	200	60	423	600	450	500	450	500	(2) # 4 - 500	(1 or 2) 3/0 - 500
	230	60	393	600	450	450	450	450	(2) # 4 - 500	(1 or 2) 3/0 - 500
	380	60	229	250	250	250	250	250	(2) # 4 - 500	(1) # 6 - 350
	460	60	188	250	250	200	250	200	# 6 - 400	(1) # 6 - 350
	575	60	151	200	200	175	200	175	# 14 - 2/0	(1) # 6 - 350
0094	200	60	476	600	600	600	600	600	(2) # 4 - 500	(1 or 2) 3/0 - 500
	230	60	442	600	500	500	500	500	(2) # 4 - 500	(1 or 2) 3/0 - 500
	380	60	257	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500
	460	60	211	250	225	250	225	250	# 6 - 400	(1) # 6 - 350
	575	60	169	200	200	200	200	200	# 6 - 400	(1) # 6 - 350
0104	200	60	513	600	600	600	600	600	(2) # 4 - 500	(1 or 2) 3/0 - 500
	230	60	477	600	500	500	500	500	(2) # 4 - 500	(1 or 2) 3/0 - 500
	380	60	278	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500
	460	60	228	250	250	250	250	250	# 6 - 400	(1) # 6 - 350
	575	60	183	200	200	200	200	200	# 6 - 400	(1) # 6 - 350
0114	200	60	528	600	600	600	600	600	(2) # 4 - 500	(1 or 2) 3/0 - 500
	230	60	491	600	600	600	600	600	(2) # 4 - 500	(1 or 2) 3/0 - 500
	380	60	286	400	300	300	300	300	(2) # 4 - 500	(1 or 2) 3/0 - 500
	460	60	235	400	250	250	250	250	# 6 - 400	(1 or 2) 3/0 - 500
	575	60	188	250	200	200	200	200	# 6 - 400	(1) # 6 - 350
0124	200	60	607	800	700	700	700	700	(2) # 4 - 500	(1 or 2) 3/0 - 500
	230	60	564	800	600	600	600	600	(2) # 4 - 500	(1 or 2) 3/0 - 500
	380	60	328	400	350	350	350	350	(2) # 4 - 500	(1 or 2) 3/0 - 500
	460	60	269	400	300	300	300	300	# 6 - 400	(1 or 2) 3/0 - 500
	575	60	216	250	250	250	250	250	# 6 - 400	(1) # 6 - 350

See Notes on page 4.

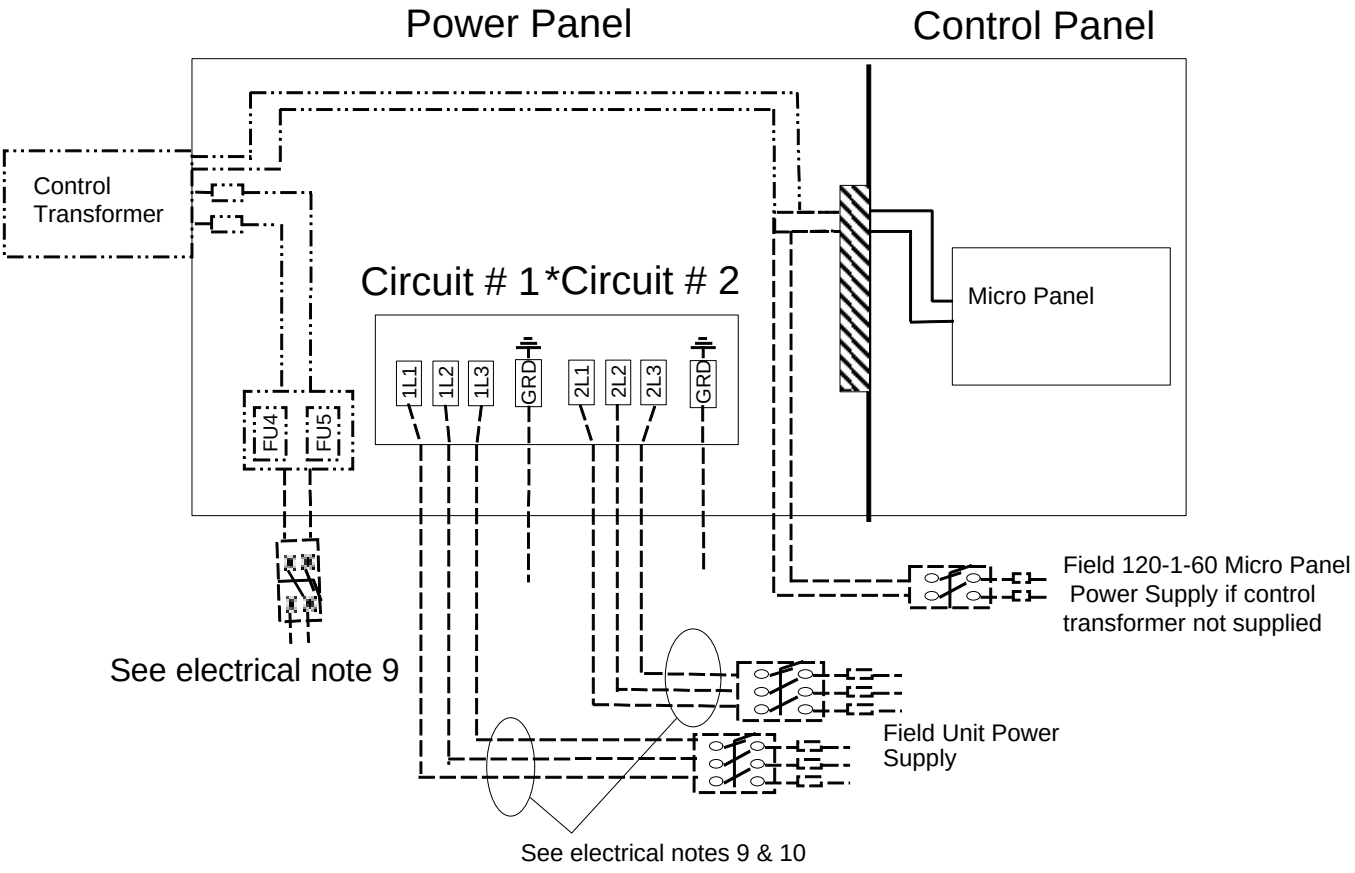
ELECTRICAL DATA – SINGLE POINT POWER SUPPLY
YCAL0090_ – YCAL0124_

SINGLE POINT POWER SUPPLY CONNECTIONS WITH INDIVIDUAL SYSTEM CIRCUIT BREAKERS

(One Field Provided Power Supply Circuit to the chiller. Field connections to Factory Provided Teminal Block (optional) or Non-Fused Disconnect Switch (optional). Includes Individual Branch Circuit Protection (Breakers) per electrical system)

SYSTEM #1 COMPRESSOR & FAN								SYSTEM #2 FIELD SUPPLIED WIRING							
COMPR. #1		COMPR. #2		COMPR. #3		FANS		COMPR. #1		COMPR. #2		COMPR. #3		FANS	
RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA(EA)	RLA	LRA	RLA	LRA	RLA	LRA	QTY	FLA(EA)
100.2	550	100.2	550	—	—	3	8.2	73.9	450	73.9	450	—	—	3	8.2
92.8	550	92.8	550	—	—	3	7.8	68.5	450	68.5	450	—	—	3	7.8
53.5	305	53.5	305	—	—	3	4.8	39.5	260	39.5	260	—	—	3	4.8
44.2	270	44.2	270	—	—	3	3.8	32.6	215	32.6	215	—	—	3	3.8
35.4	210	35.4	210	—	—	3	3.1	26.1	180	26.1	180	—	—	3	3.1
100.2	550	100.2	550	—	—	3	8.2	100.2	550	100.2	550	—	—	3	8.2
92.8	550	92.8	550	—	—	3	7.8	92.8	550	92.8	550	—	—	3	7.8
53.5	305	53.5	305	—	—	3	4.8	53.5	305	53.5	305	—	—	3	4.8
44.2	270	44.2	270	—	—	3	3.8	44.2	270	44.2	270	—	—	3	3.8
35.4	210	35.4	210	—	—	3	3.1	35.4	210	35.4	210	—	—	3	3.1
73.9	450	73.9	450	73.9	450	4	8.2	100.2	550	100.2	550	—	—	4	8.2
68.5	450	68.5	450	68.5	450	4	7.8	92.8	550	92.8	550	—	—	4	7.8
39.5	260	39.5	260	39.5	260	4	4.8	53.5	305	53.5	305	—	—	4	4.8
32.6	215	32.6	215	32.6	215	4	3.8	44.2	270	44.2	270	—	—	4	3.8
26.1	180	26.1	180	26.1	180	4	3.1	35.4	210	35.4	210	—	—	4	3.1
73.9	450	73.9	450	73.9	450	4	8.2	73.9	450	73.9	450	73.9	450	4	8.2
68.5	450	68.5	450	68.5	450	4	7.8	68.5	450	68.5	450	68.5	450	4	7.8
39.5	260	39.5	260	39.5	260	4	4.8	39.5	260	39.5	260	39.5	260	4	4.8
32.6	215	32.6	215	32.6	215	4	3.8	32.6	215	32.6	215	32.6	215	4	3.8
26.1	180	26.1	180	26.1	180	4	3.1	26.1	180	26.1	180	26.1	180	4	3.1
100.2	550	100.2	550	100.2	550	4	8.2	73.9	450	73.9	450	73.9	450	4	8.2
92.8	550	92.8	550	92.8	550	4	7.8	68.5	450	68.5	450	68.5	450	4	7.8
53.5	305	53.5	305	53.5	305	4	4.8	39.5	260	39.5	260	39.5	260	4	4.8
44.2	270	44.2	270	44.2	270	4	3.8	32.6	215	32.6	215	32.6	215	4	3.8
35.4	210	35.4	210	35.4	210	4	3.1	26.1	180	26.1	180	26.1	180	4	3.1

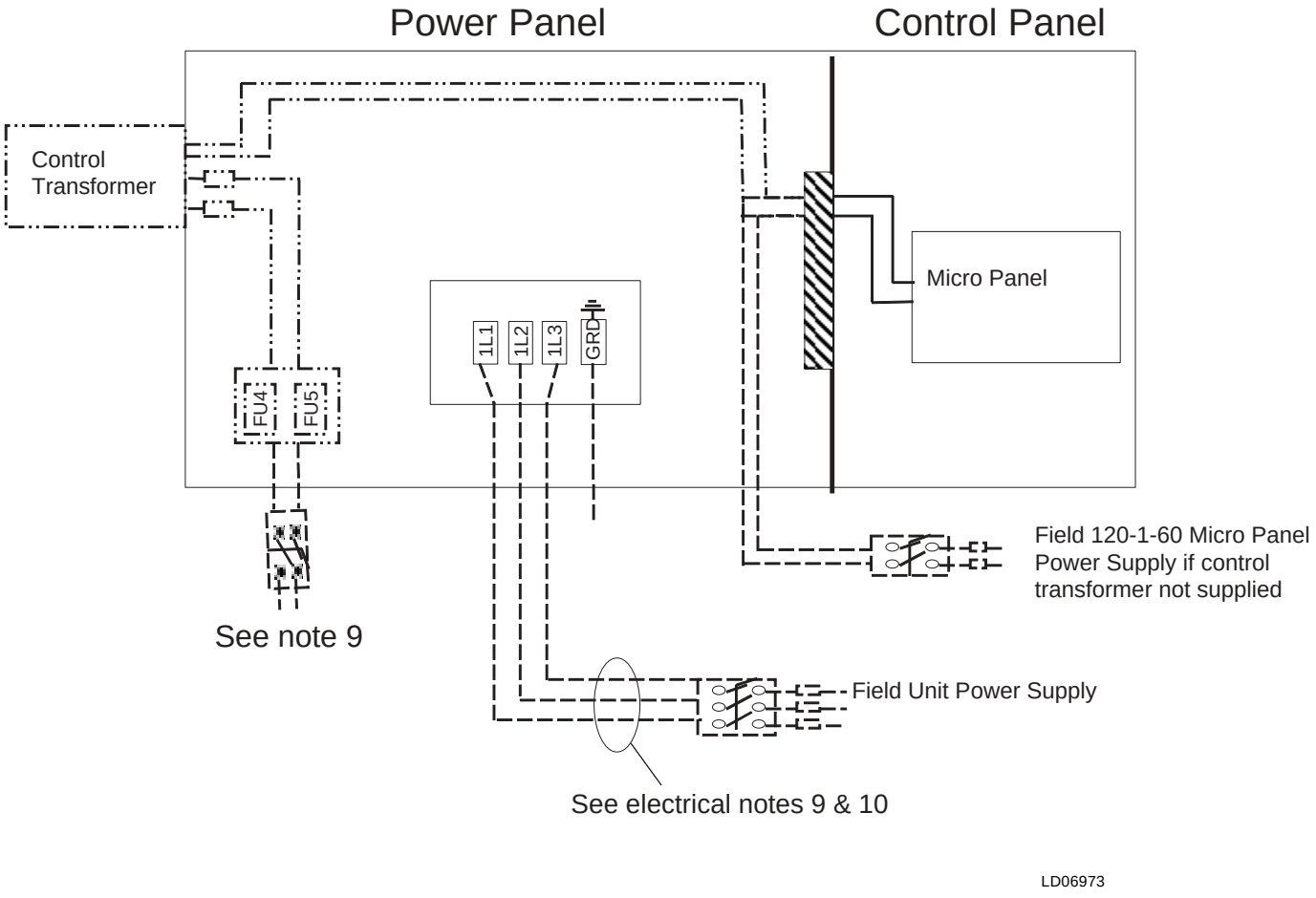
MULTI POINT POWER SUPPLY WIRING
STANDARD UNIT (0014E_ - 0080E_)



See Notes on page 4.

FIG. 1 – POWER WIRING

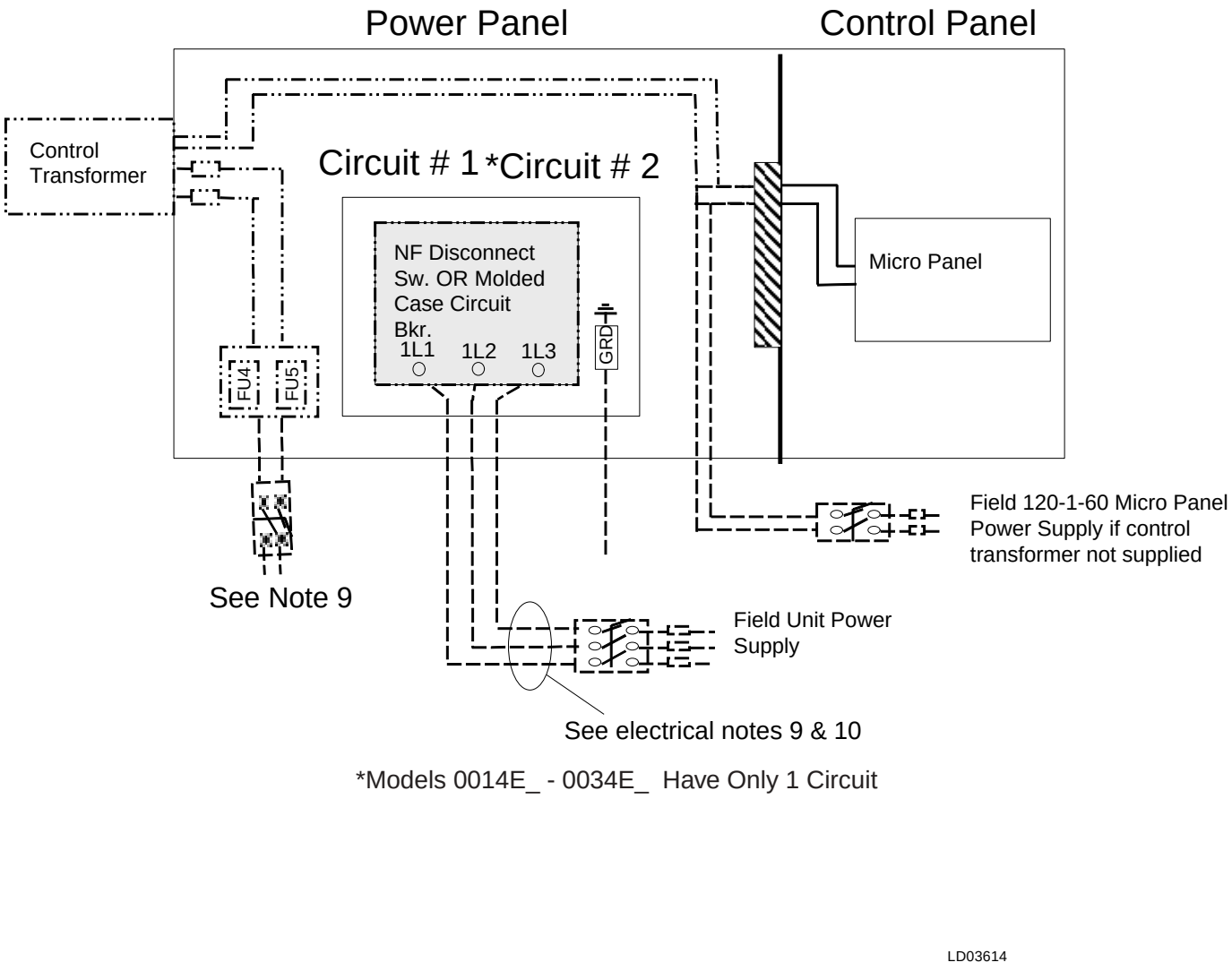
OPTIONAL SINGLE POWER SUPPLY WIRING (0040E_ - 0080E_)



See Notes on page 4.

FIG. 2 – POWER WIRING (Cont'd)

OPTIONAL SINGLE-POINT POWER WIRING
NF DISC SW OR CIR BKR
(0014E_ - 0080E_)



See Notes on page 4.

FIG. 3 – POWER WIRING (Cont'd)

MULTIPLE POINT POWER SUPPLY CONNECTION – TERMINAL BLOCK, NON-FUSED DISCONNECT SWITCHES OR CIRCUIT BREAKERS (0090_ - 0124_)

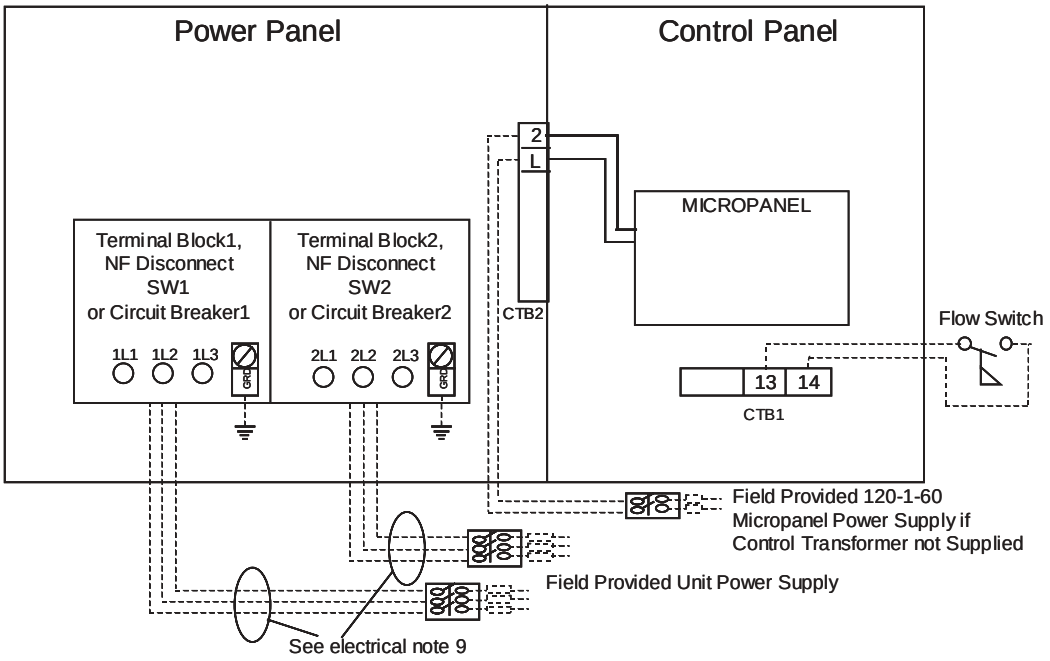


FIG. 4 – POWER WIRING (Cont'd)

SINGLE POINT SUPPLY CONNECTION – TERMINAL BLOCK OR NON-FUSED DISCONNECT SWITCH TO INDIVIDUAL SYSTEM CIRCUIT BREAKERS (0090_ - 0124_)

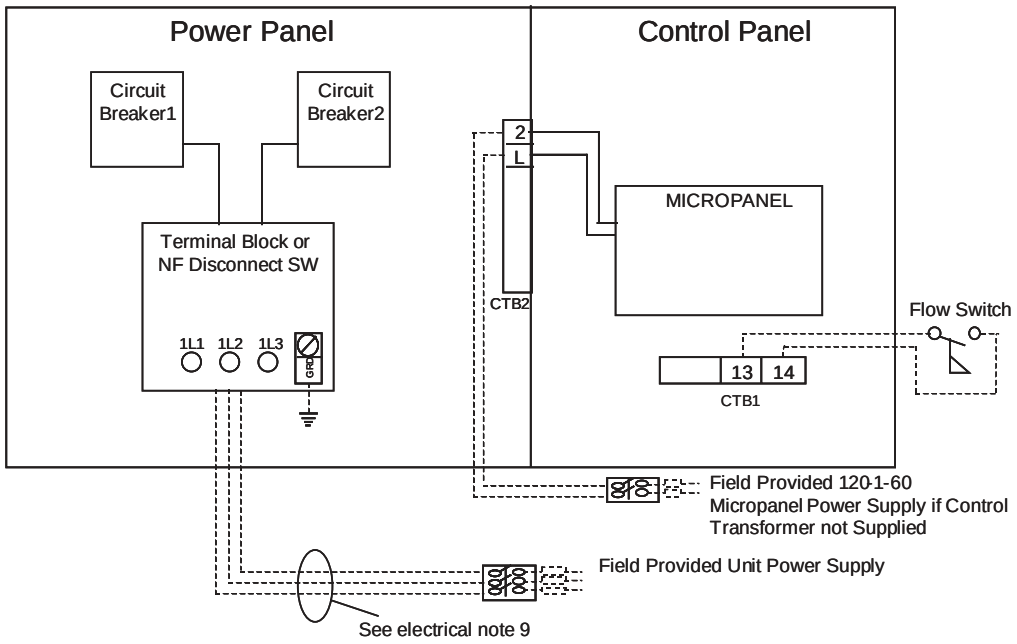
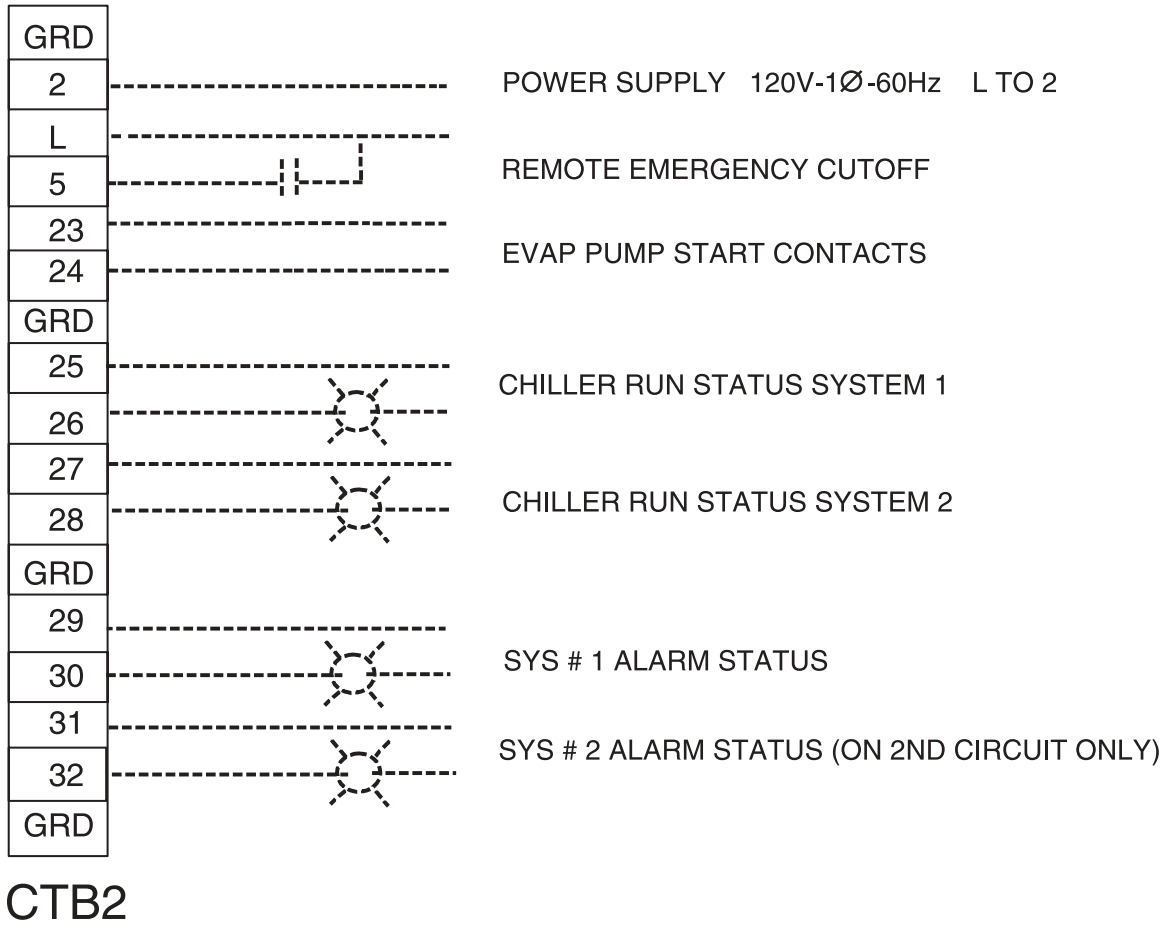


FIG. 5 – POWER WIRING (Cont'd)

CONTROL INTERFACE WIRING – TERMINAL STRIP



See Notes on page 4.

FIG. 6 – CONTROL WIRING

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ELEMENTARY DIAGRAM
YCAL0014E_ – YCAL0030E_

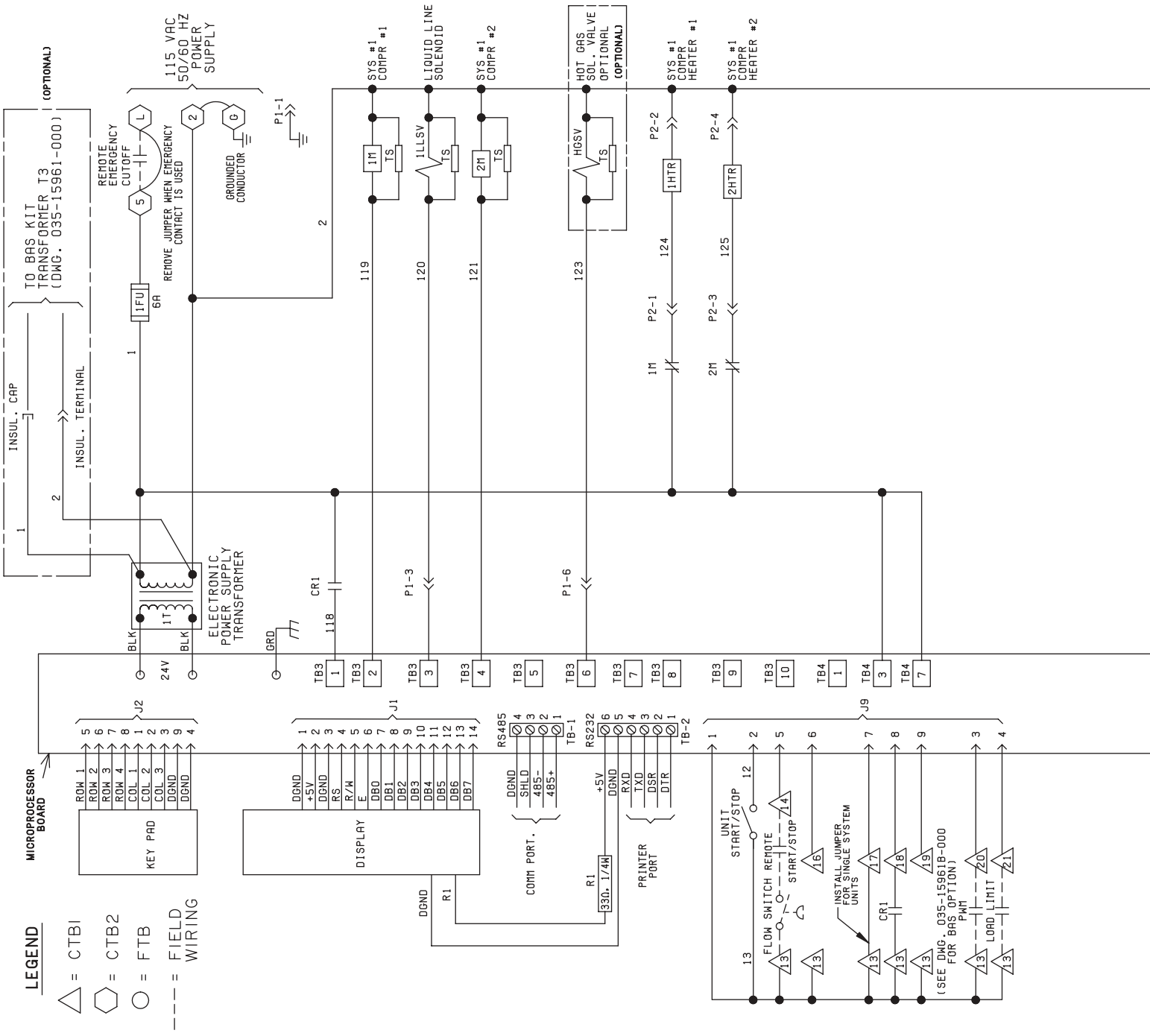


FIG. 7 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT

ELEMENTARY DIAGRAM
YCAL0014E_ – YCAL0030E_

LD07584

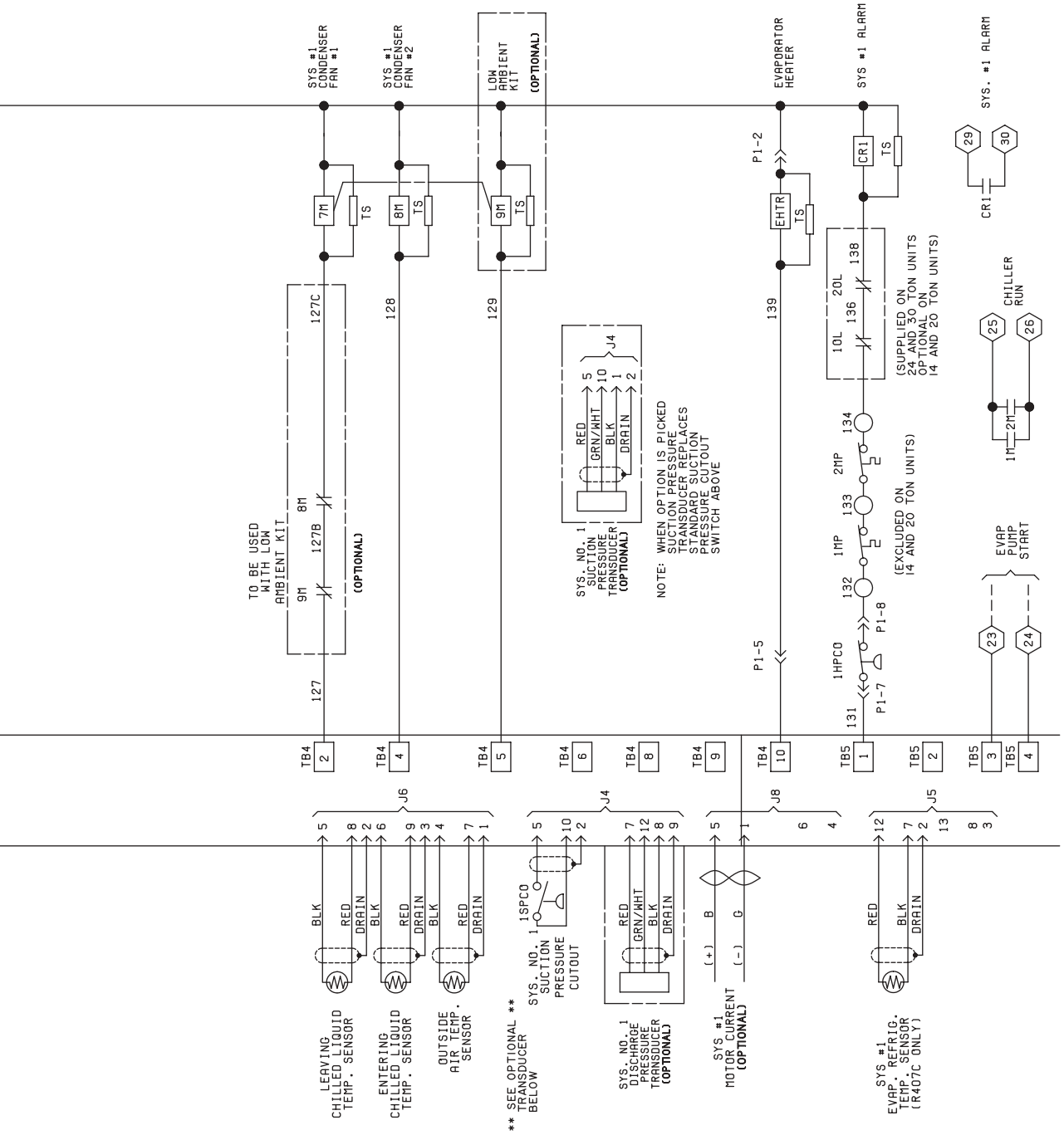


FIG. 7 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT (Cont'd)

ELEMENTARY DIAGRAM
YCAL0014E_ – YCAL0030E_

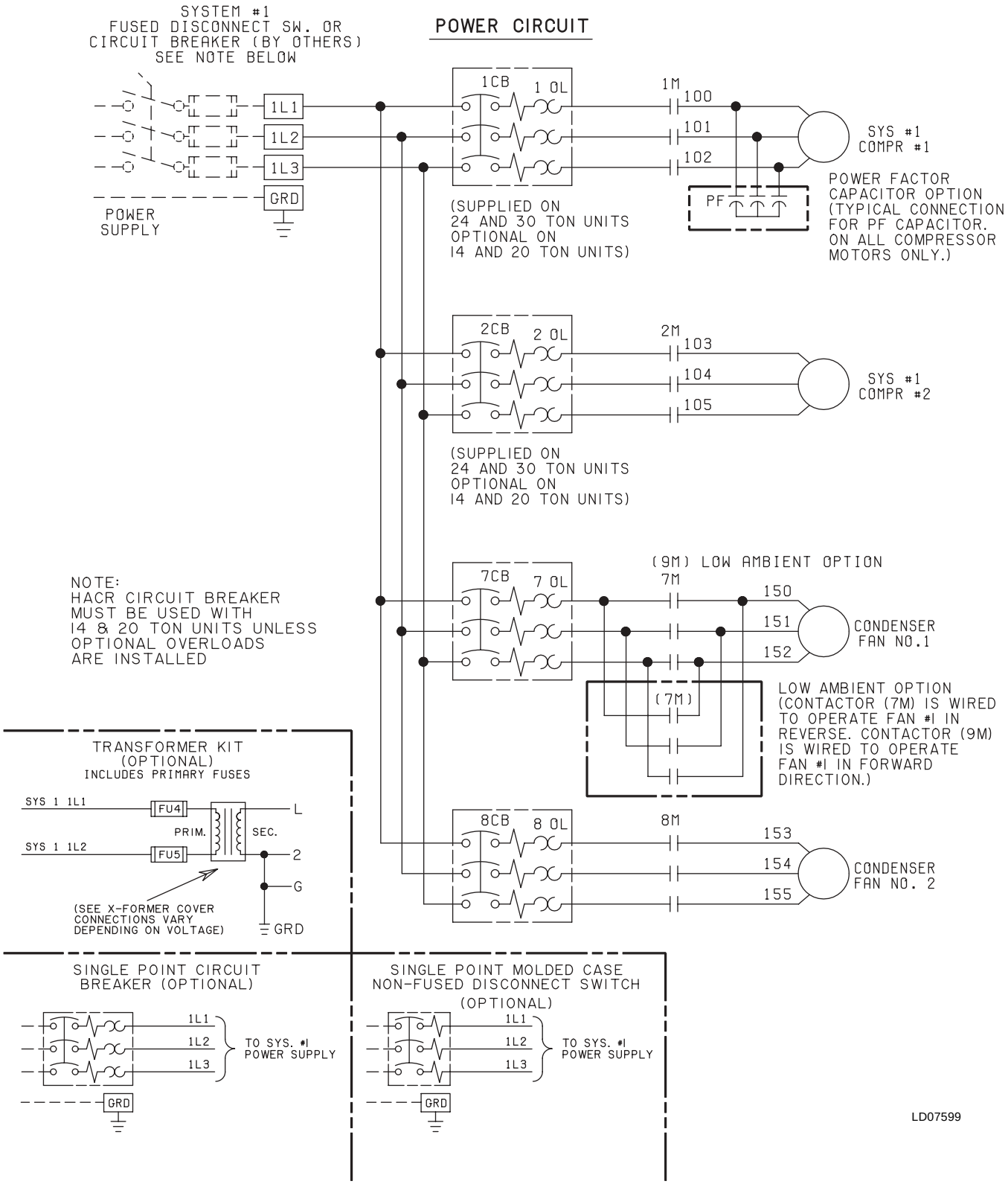
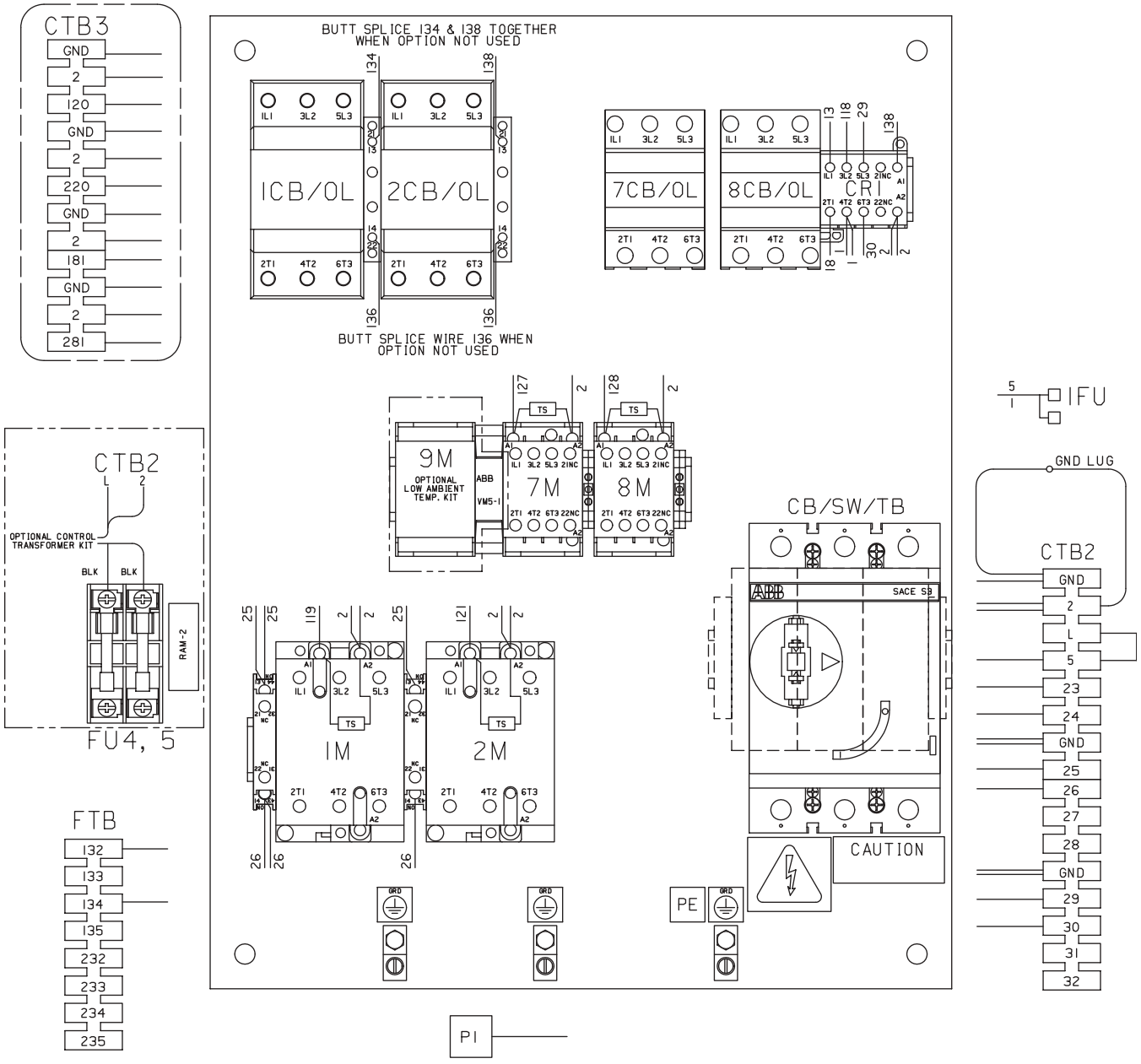


FIG. 8 – ELEMENTARY DIAGRAM, POWER CIRCUIT

COMPONENT DIAGRAM
YCAL0014E_ – YCAL0030E_



LD07889

FIG. 9 – COMPONENT DIAGRAM

ELEMENTARY DIAGRAM
YCAL0024E_ AND YCAL0034E_

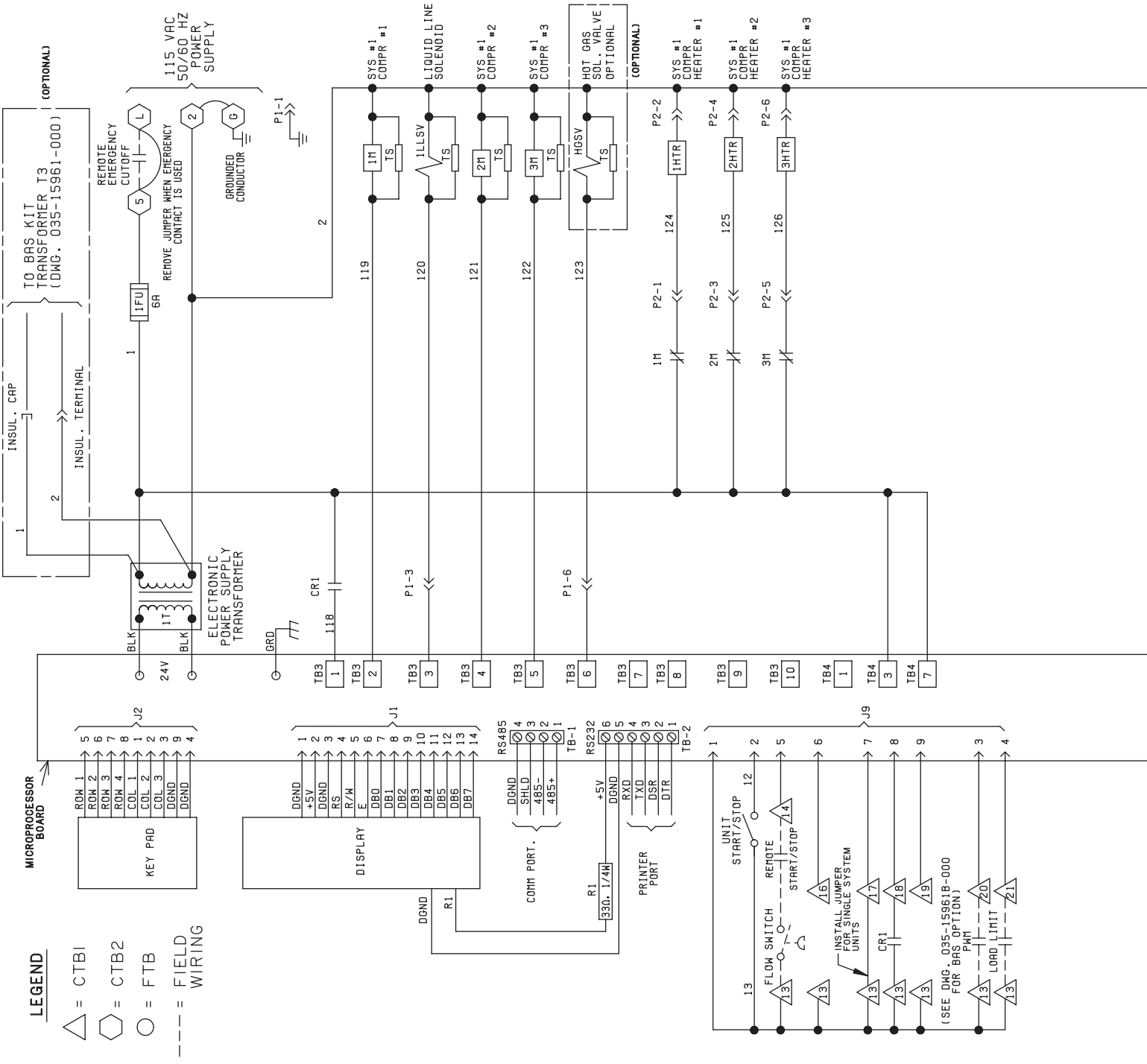


FIG. 10 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT

ELEMENTARY DIAGRAM
YCAL0024E_ AND YCAL0034E_

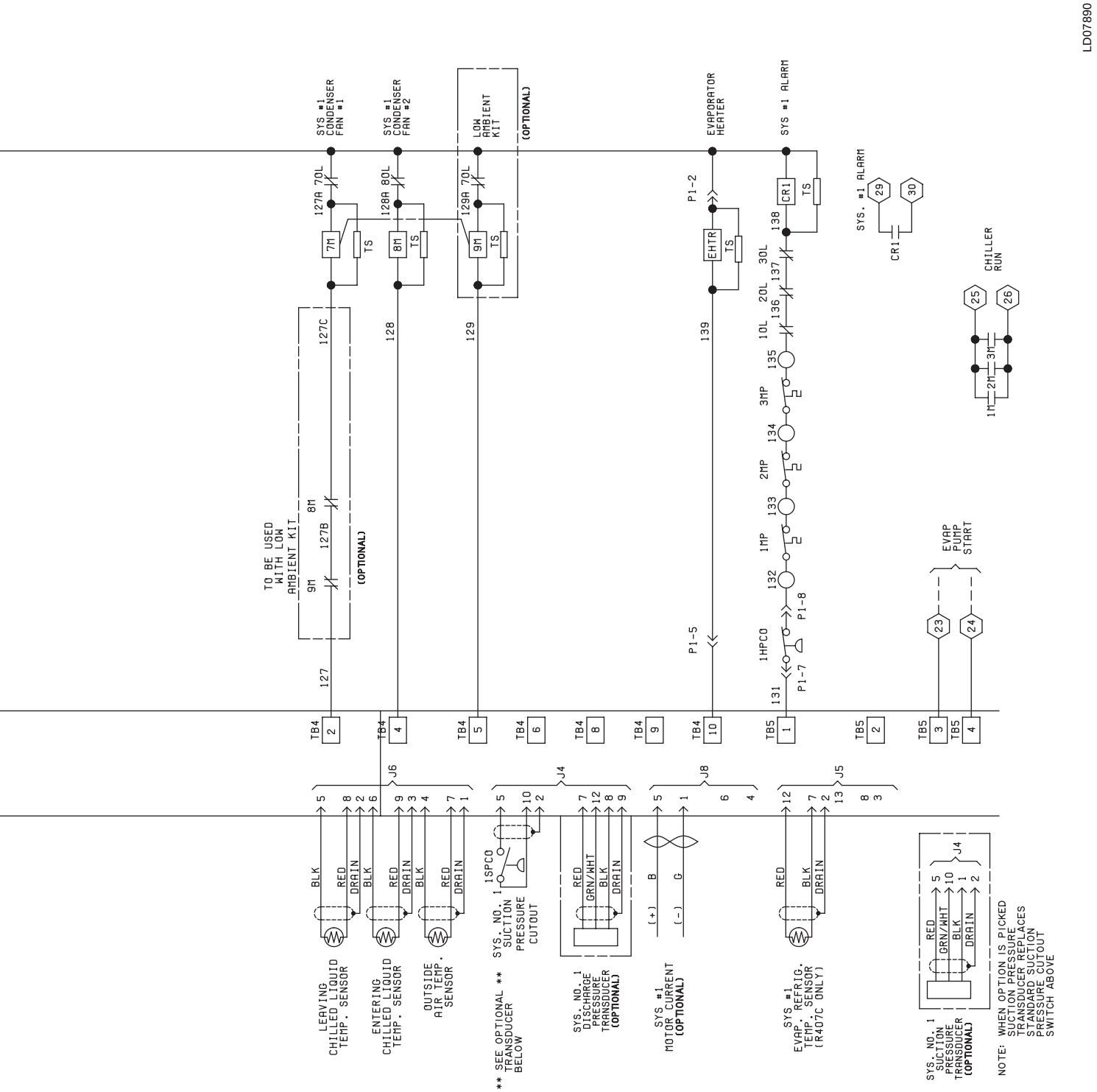


FIG. 10 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT (Cont'd)

ELEMENTARY DIAGRAM
YCAL0034E_

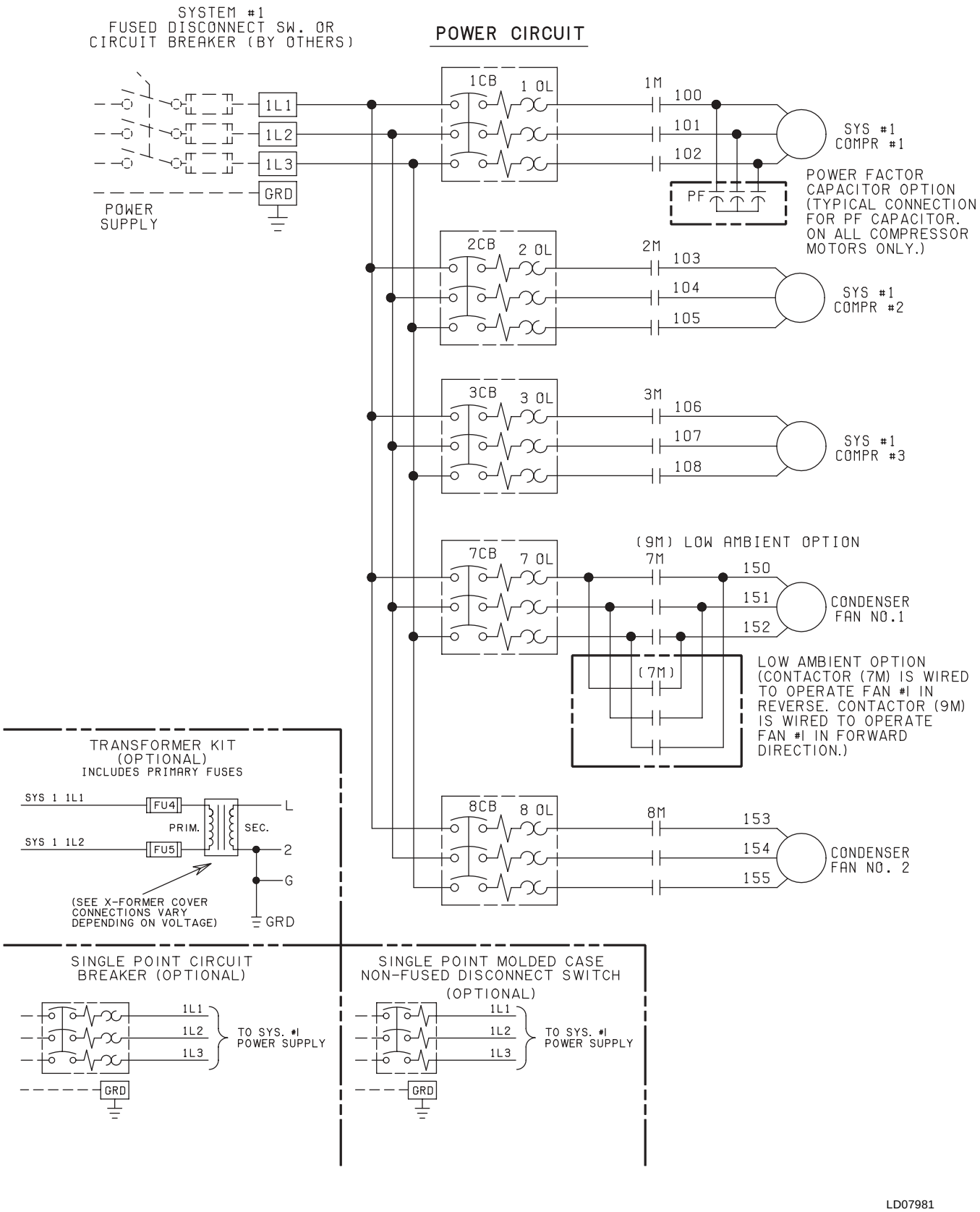
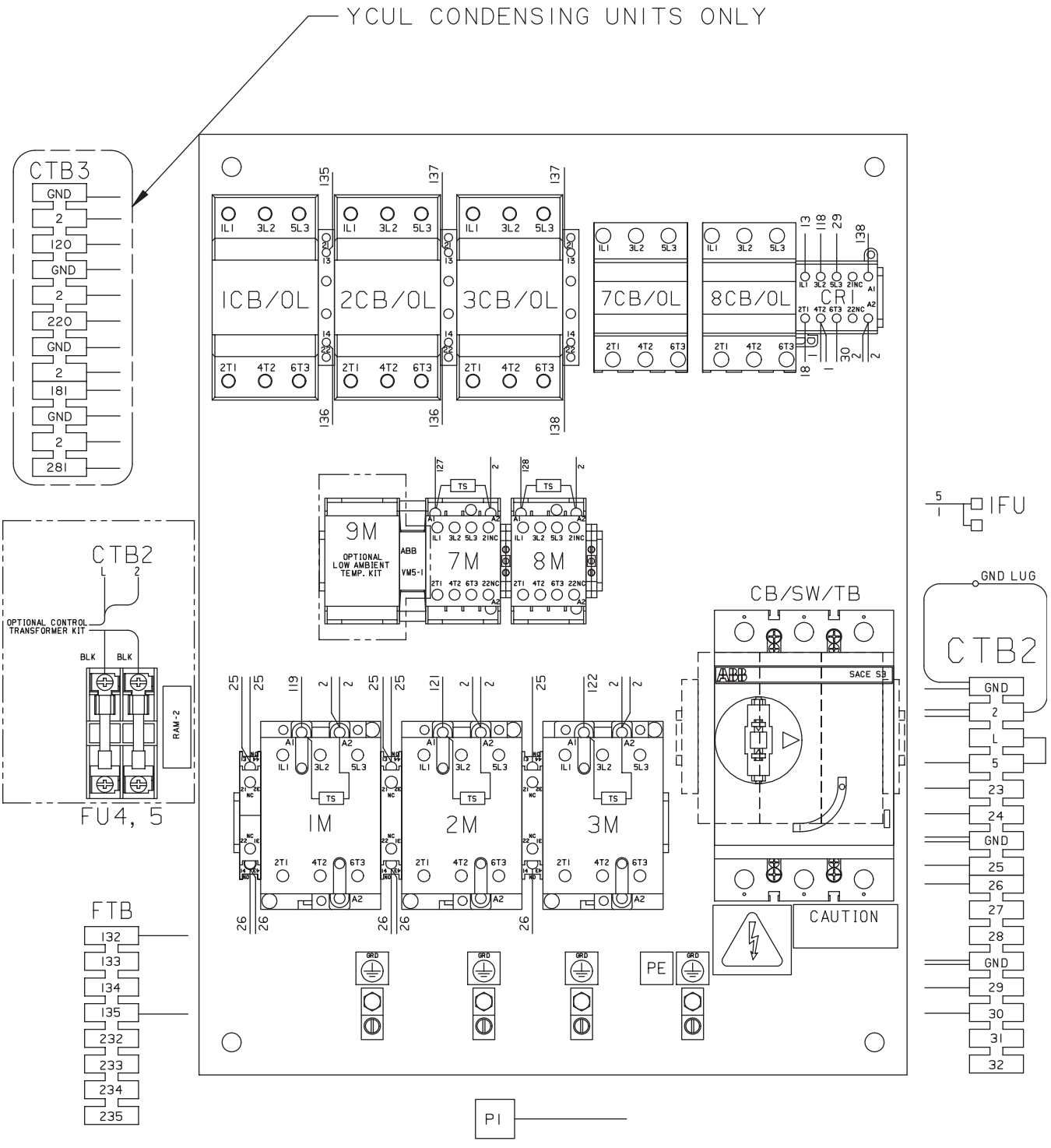


FIG. 11 – ELEMENTARY DIAGRAM, POWER CIRCUIT

COMPONENT DIAGRAM
YCAL0034E_



LD07892

FIG. 12 – COMPONENT DIAGRAM

ELEMENTARY DIAGRAM
YCAL0040E_ – YCAL0060E_

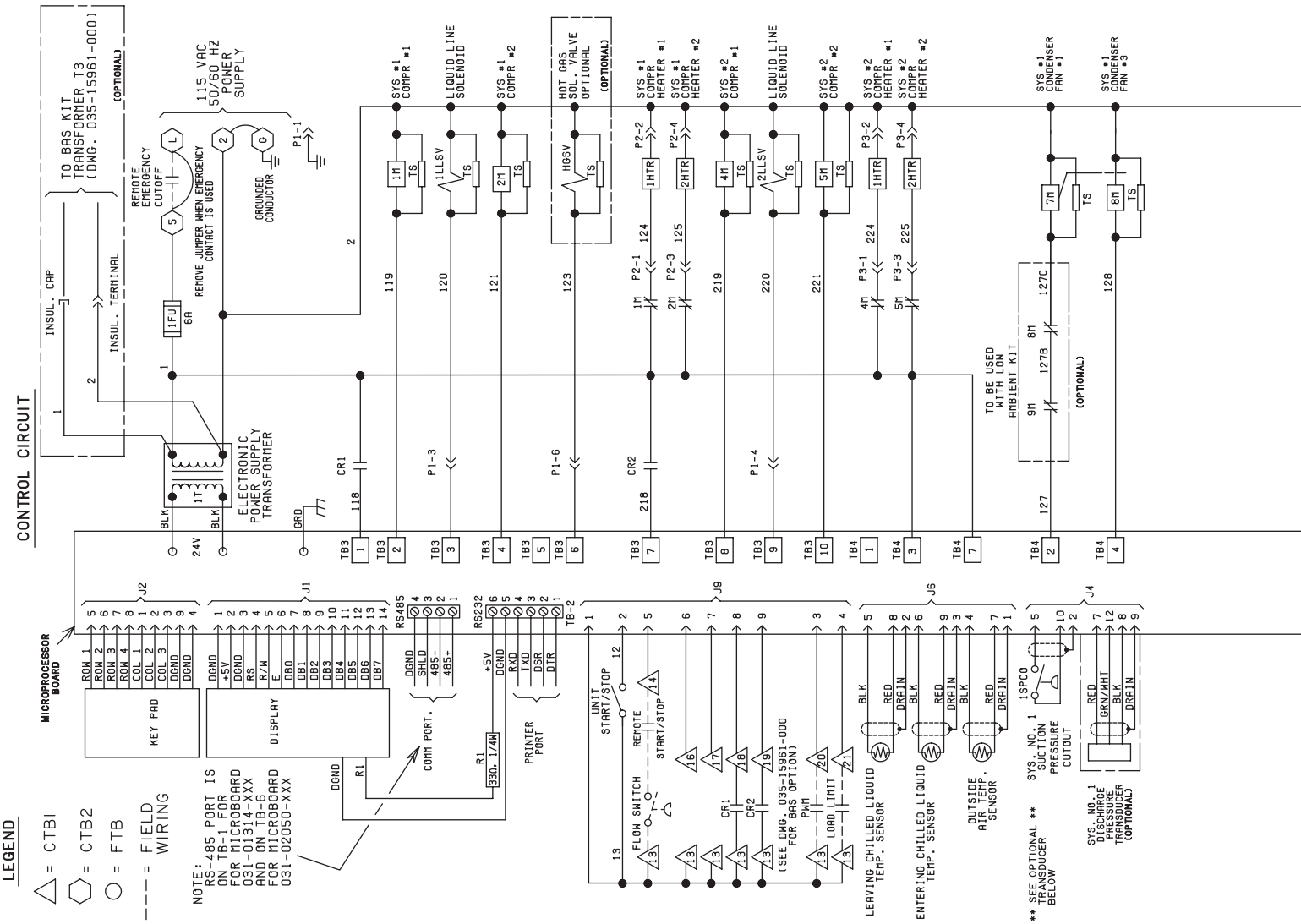


FIG. 13 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT

ELEMENTARY DIAGRAM
YCAL0040E_ – YCAL0060E_

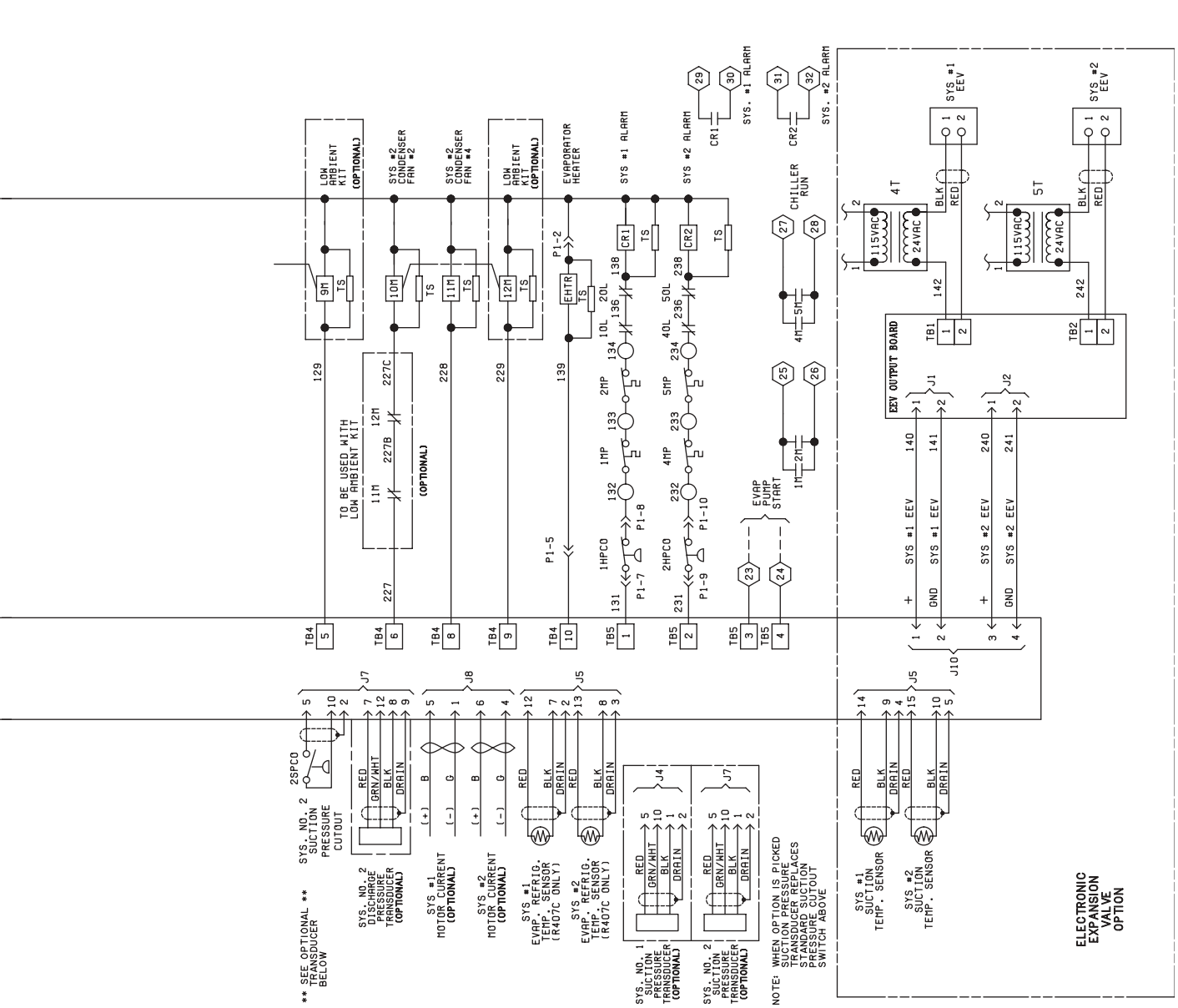


FIG. 13 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT (Cont'd)

ELEMENTARY DIAGRAM
YCAL0040E_ – YCAL0060E_

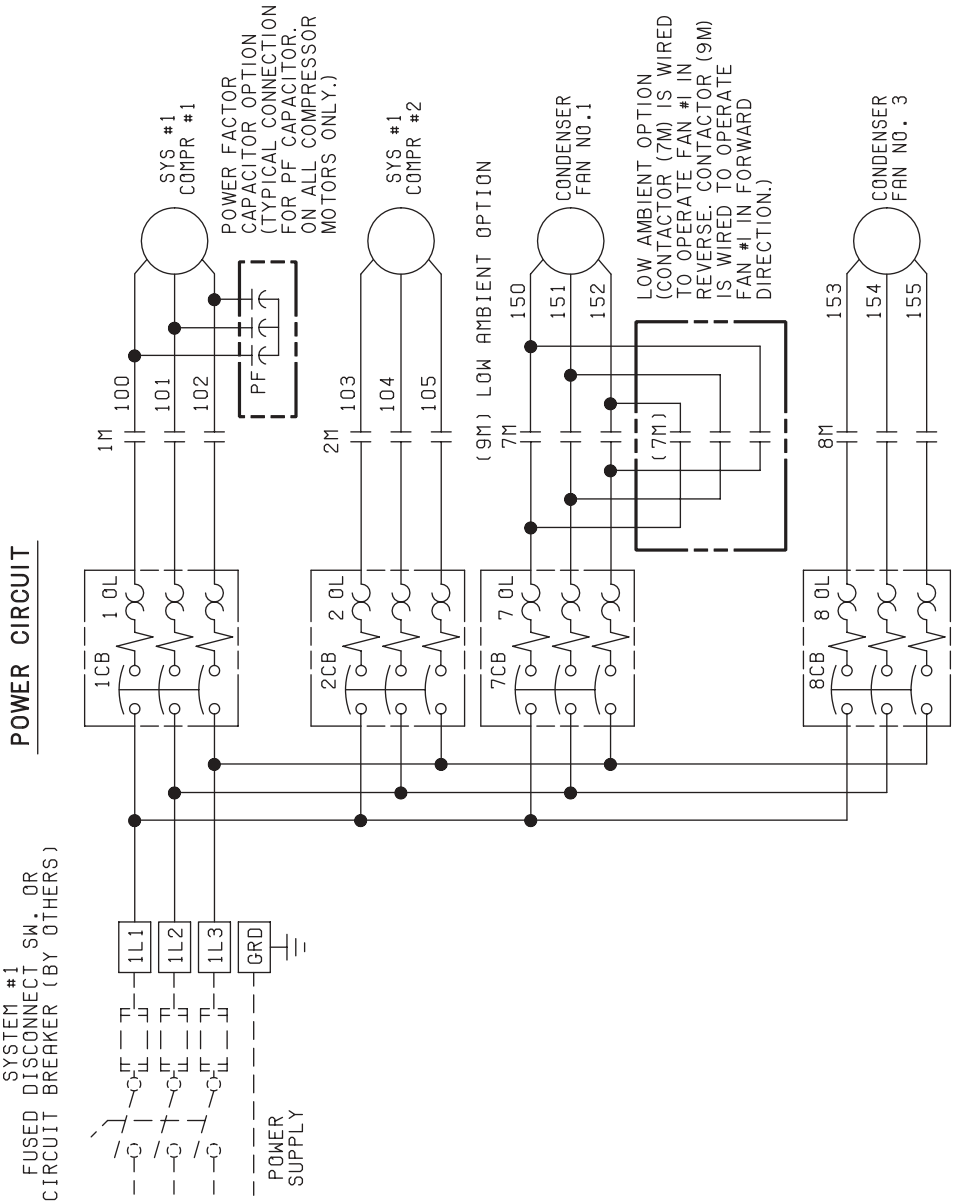


FIG. 14 – ELEMENTARY DIAGRAM, POWER CIRCUIT

ELEMENTARY DIAGRAM
YCAL0040E_ – YCAL0060E_

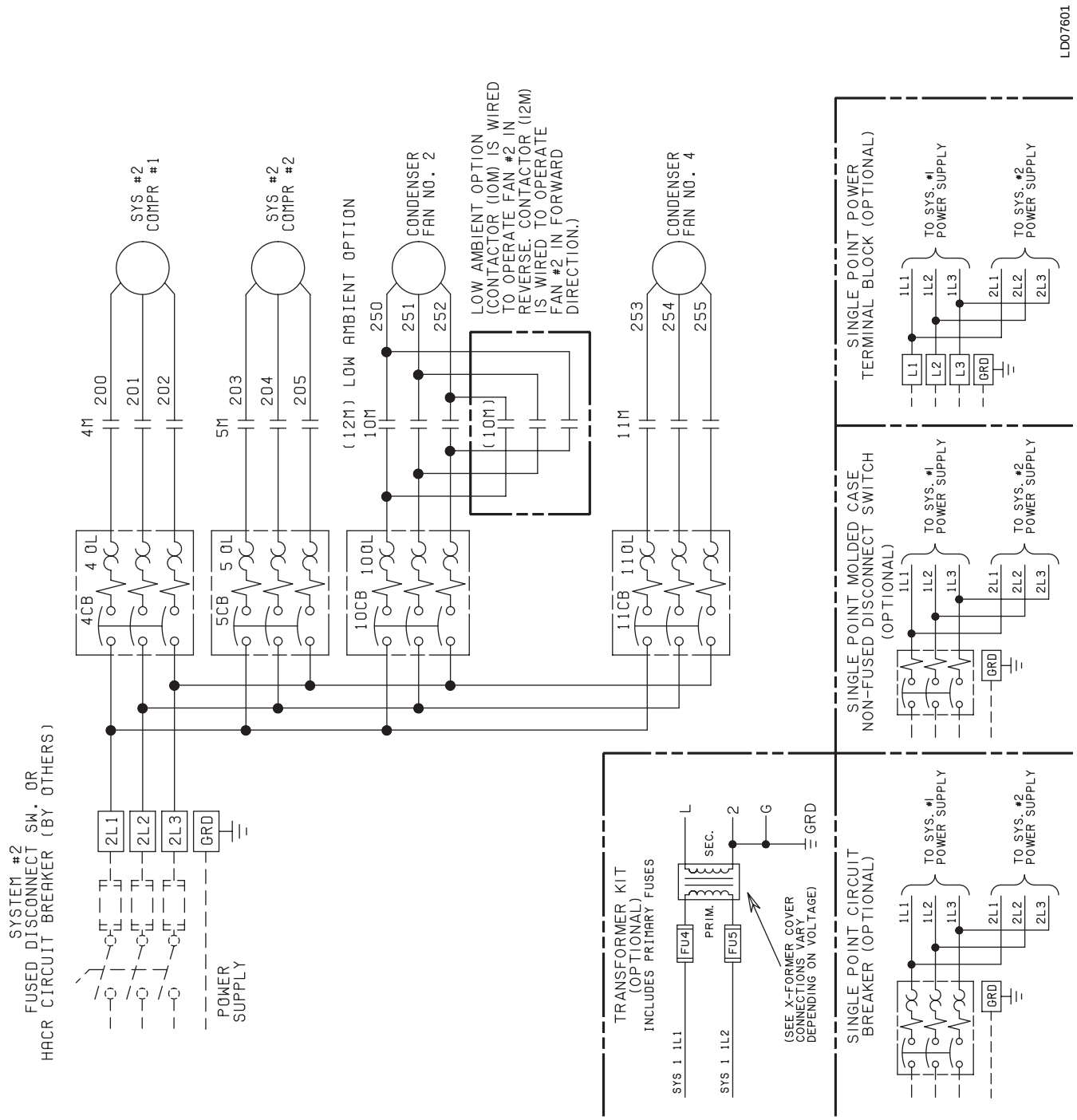


FIG. 14 – ELEMENTARY DIAGRAM, POWER CIRCUIT (Cont'd)

COMPONENT DIAGRAM
YCAL0040E_ – YCAL0058E_

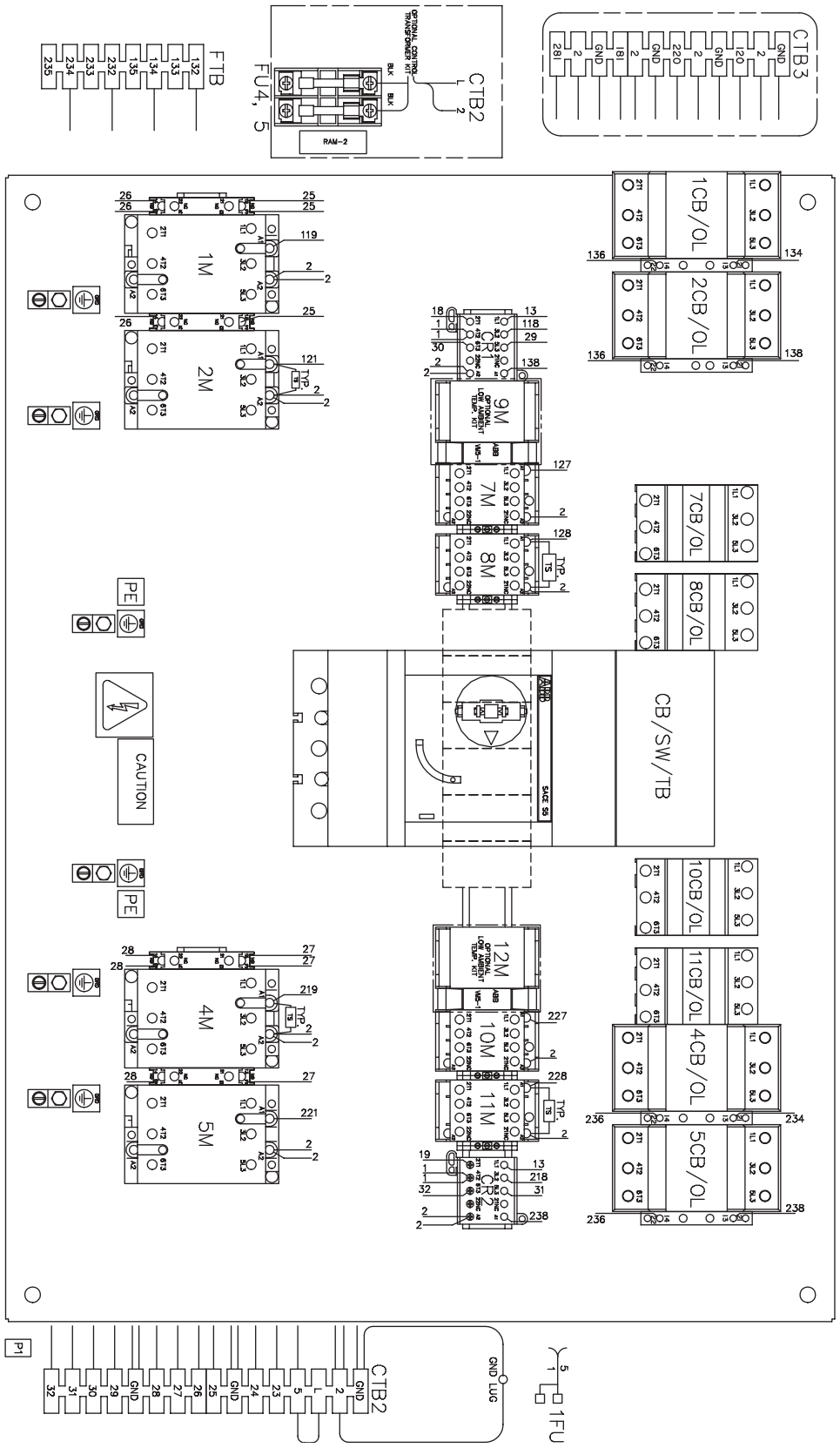


FIG. 15 – COMPONENT DIAGRAM

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ELEMENTARY DIAGRAM
YCAL0064E_ – YCAL0080E_

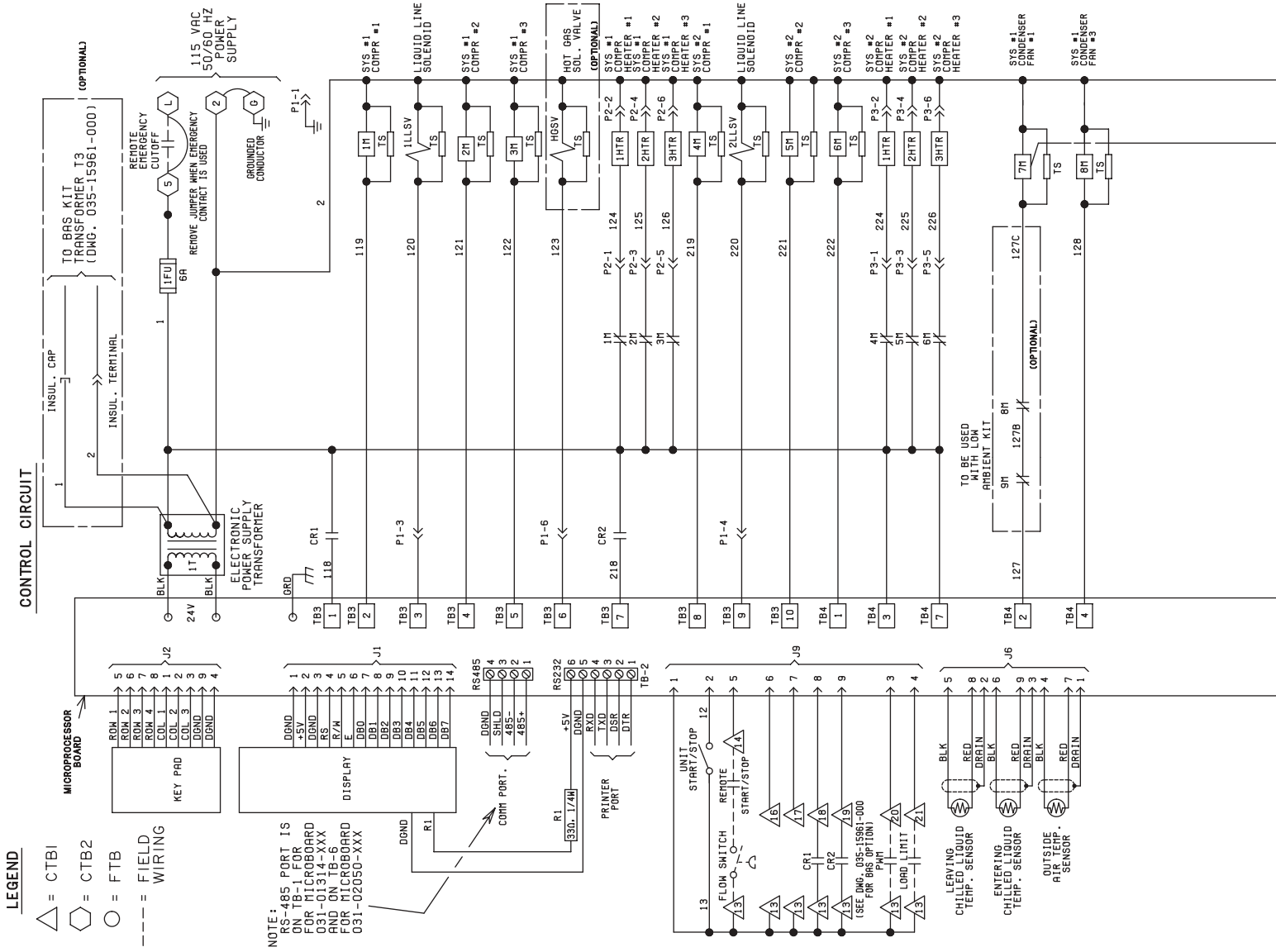


FIG. 16 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT

ELEMENTARY DIAGRAM
YCAL0064E_ – YCAL0080E_

LD07894

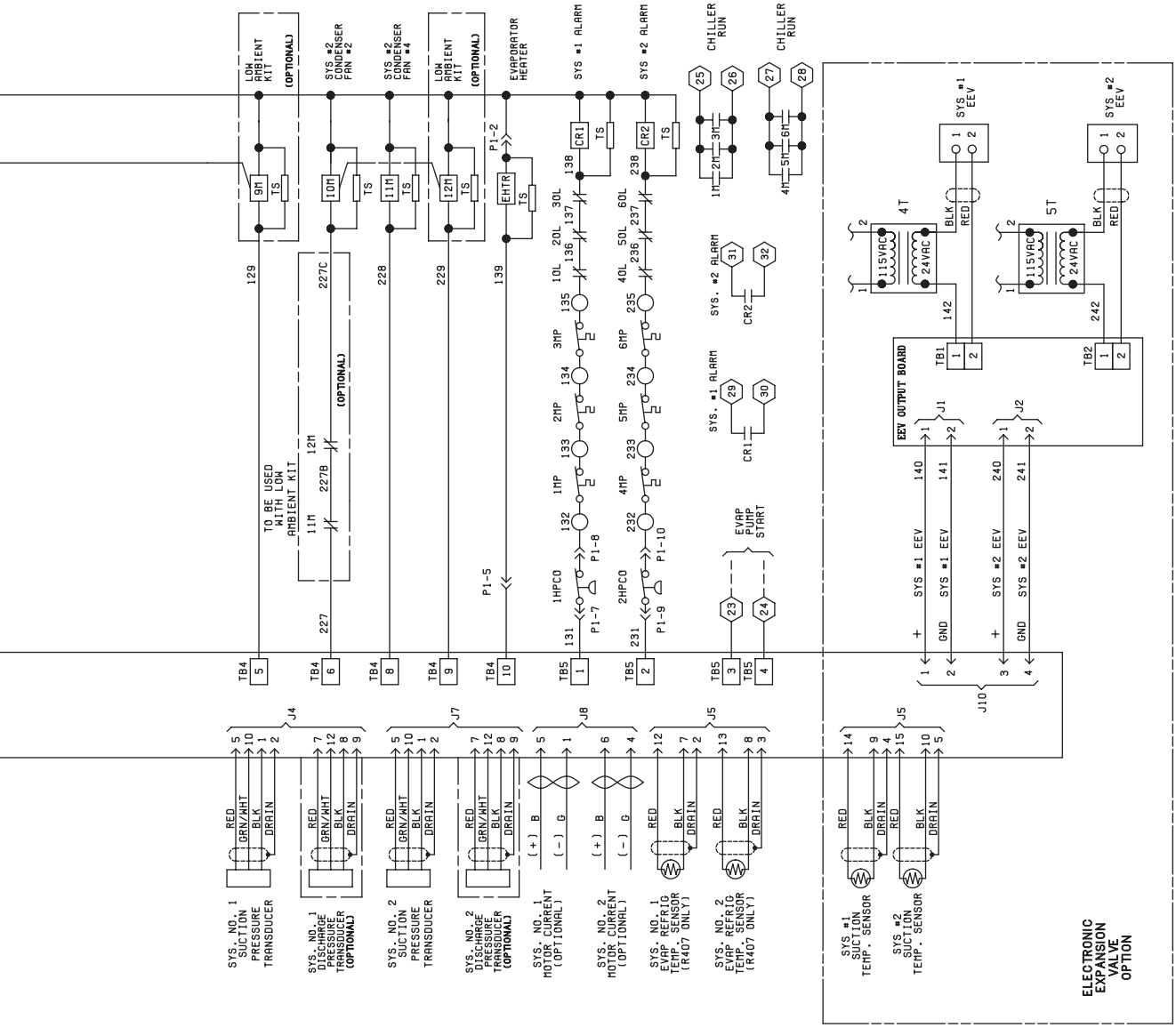


FIG. 16 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT (Cont'd)

ELEMENTARY DIAGRAM
YCAL0064E_ – YCAL0080E_

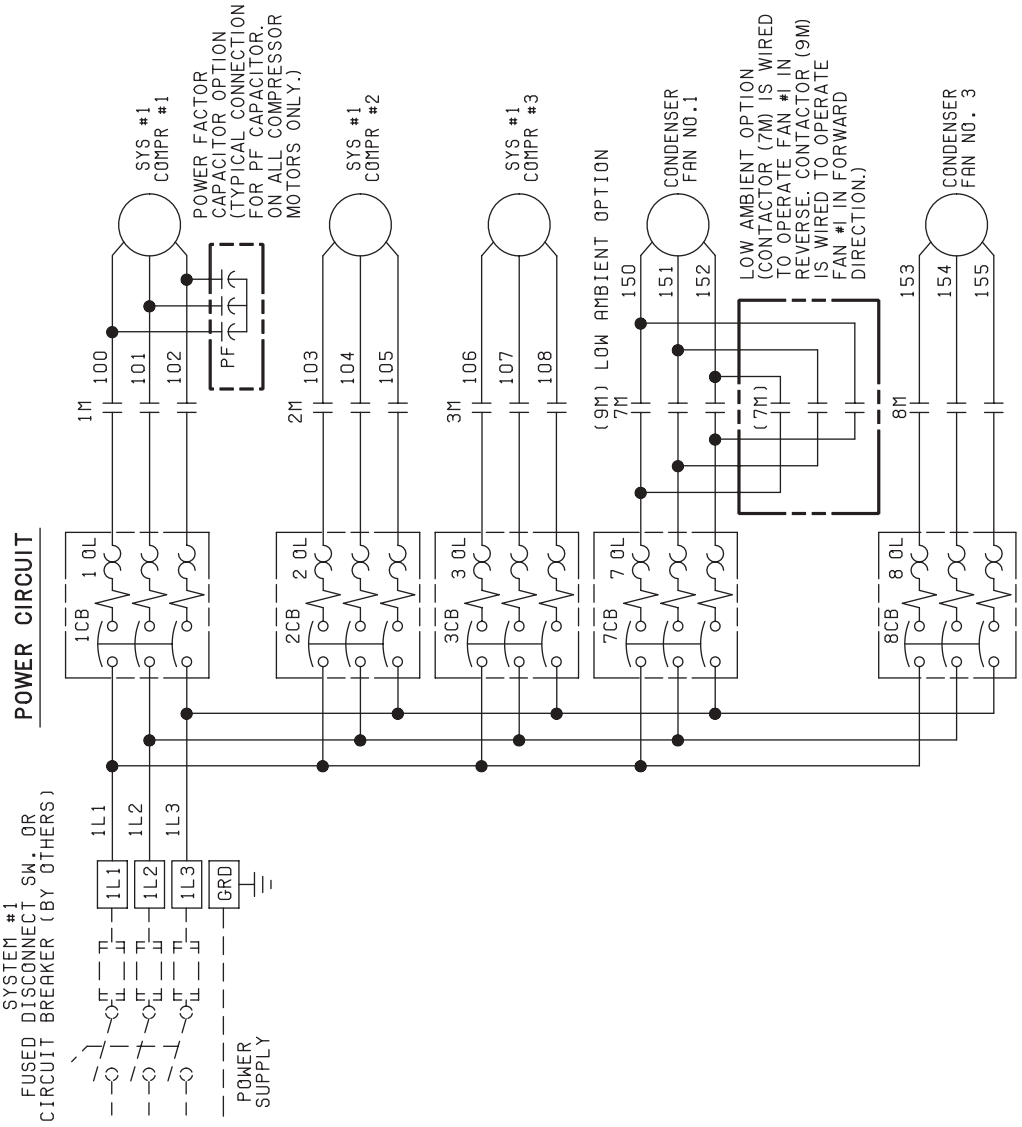


FIG. 17 – ELEMENTARY DIAGRAM, POWER CIRCUIT

ELEMENTARY DIAGRAM
YCAL0064E_ – YCAL0080E_

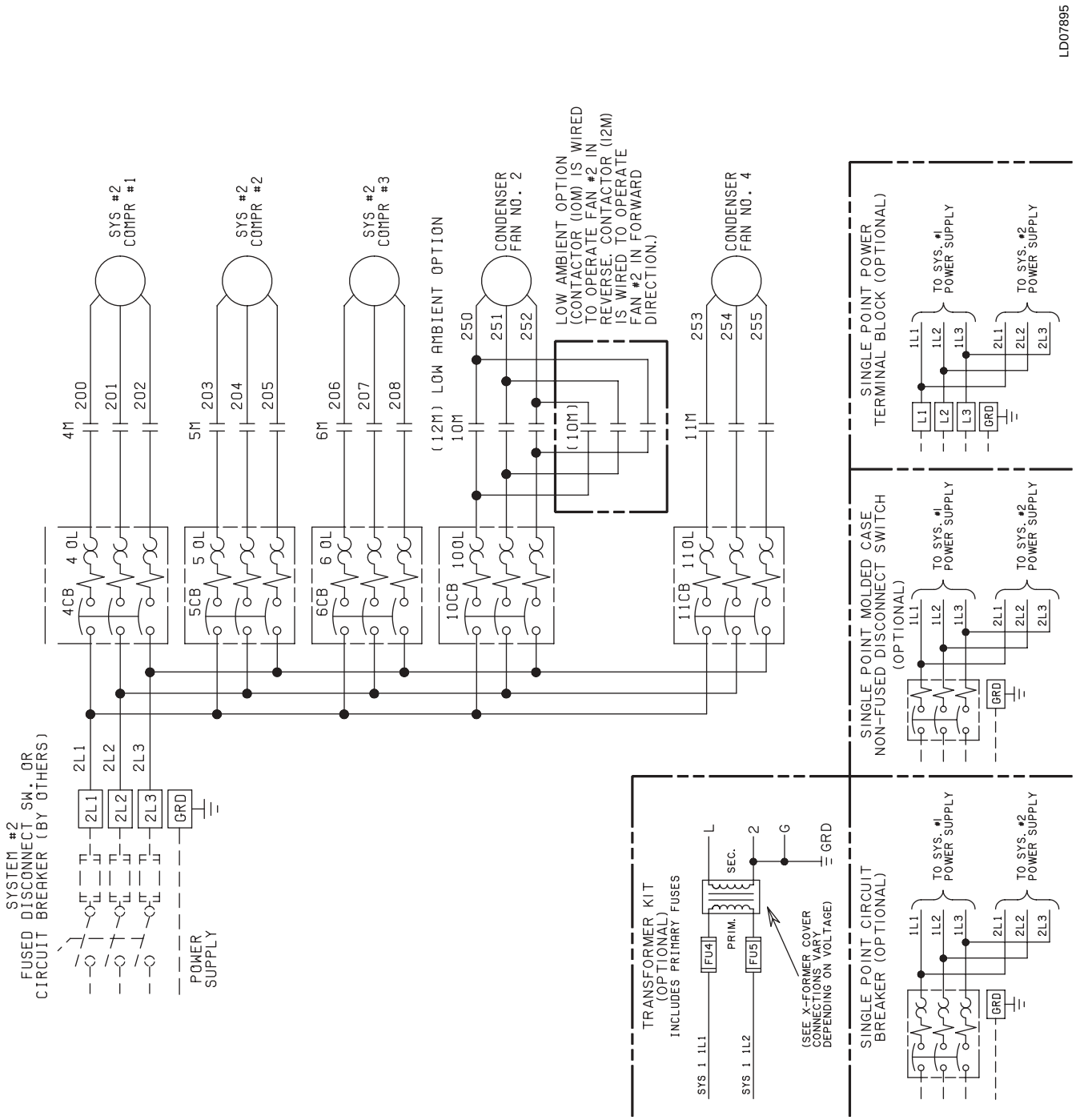


FIG. 17 – ELEMENTARY DIAGRAM, POWER CIRCUIT (Cont'd)

COMPONENT DIAGRAM
YCAL0064E_ – YCAL0080E_

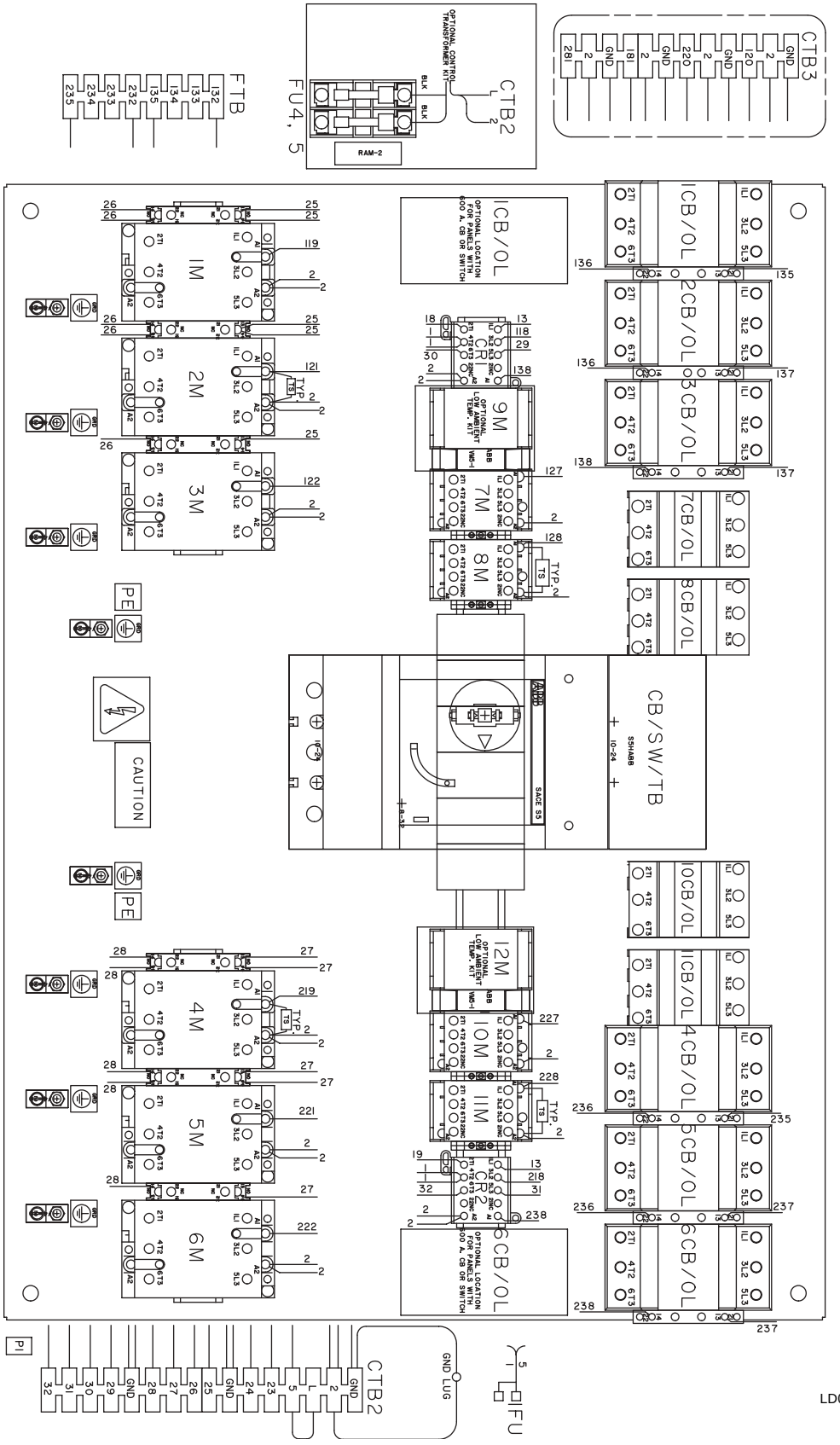
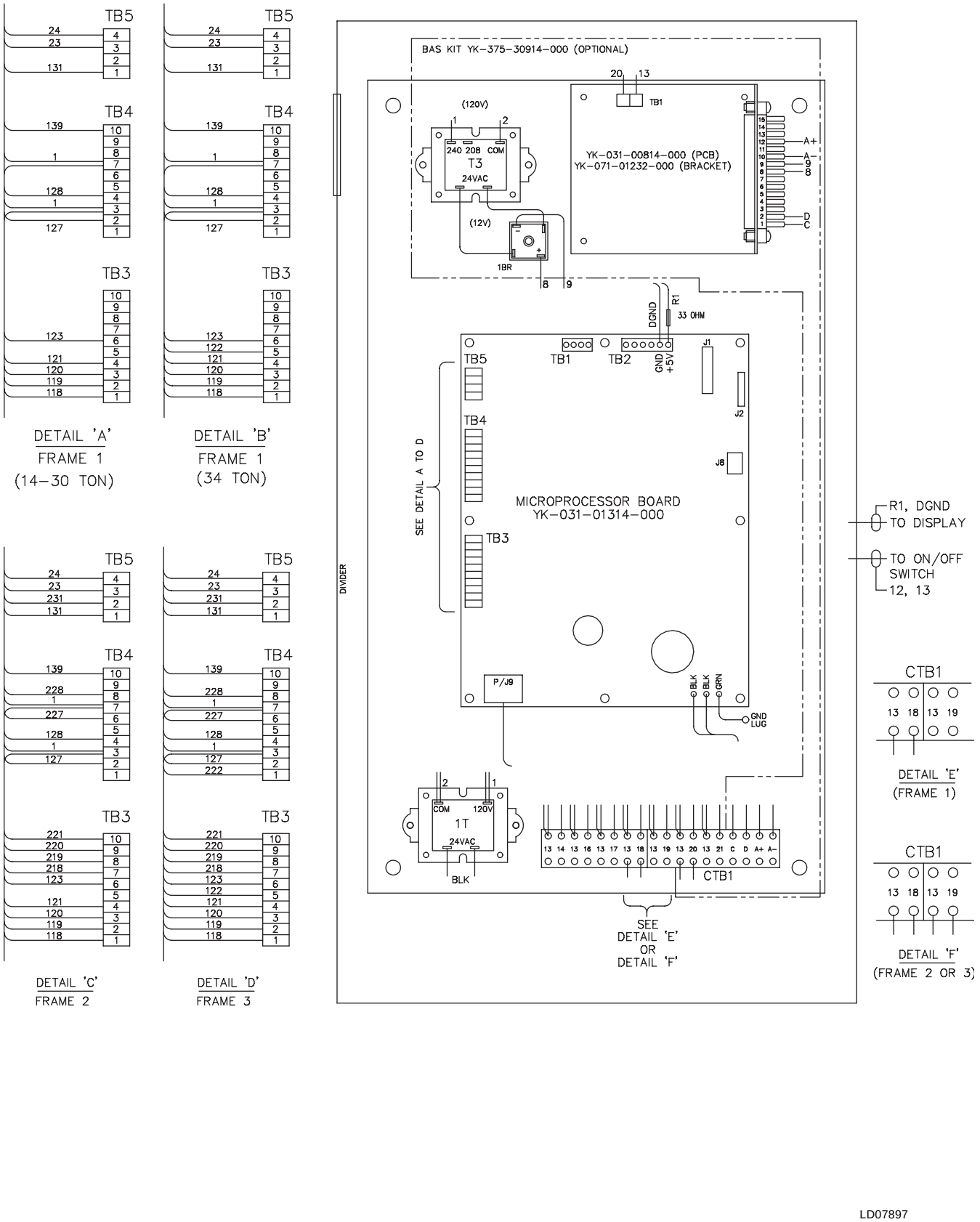


FIG. 18 – COMPONENT DIAGRAM

COMPONENT DIAGRAM
YCAL0014E_ – YCAL0080E_



LD07897

FIG. 19 – COMPONENT DIAGRAM, CONTROL PANEL

ELEMENTARY DIAGRAM
YCAL0090E_ – YCAL0094E_

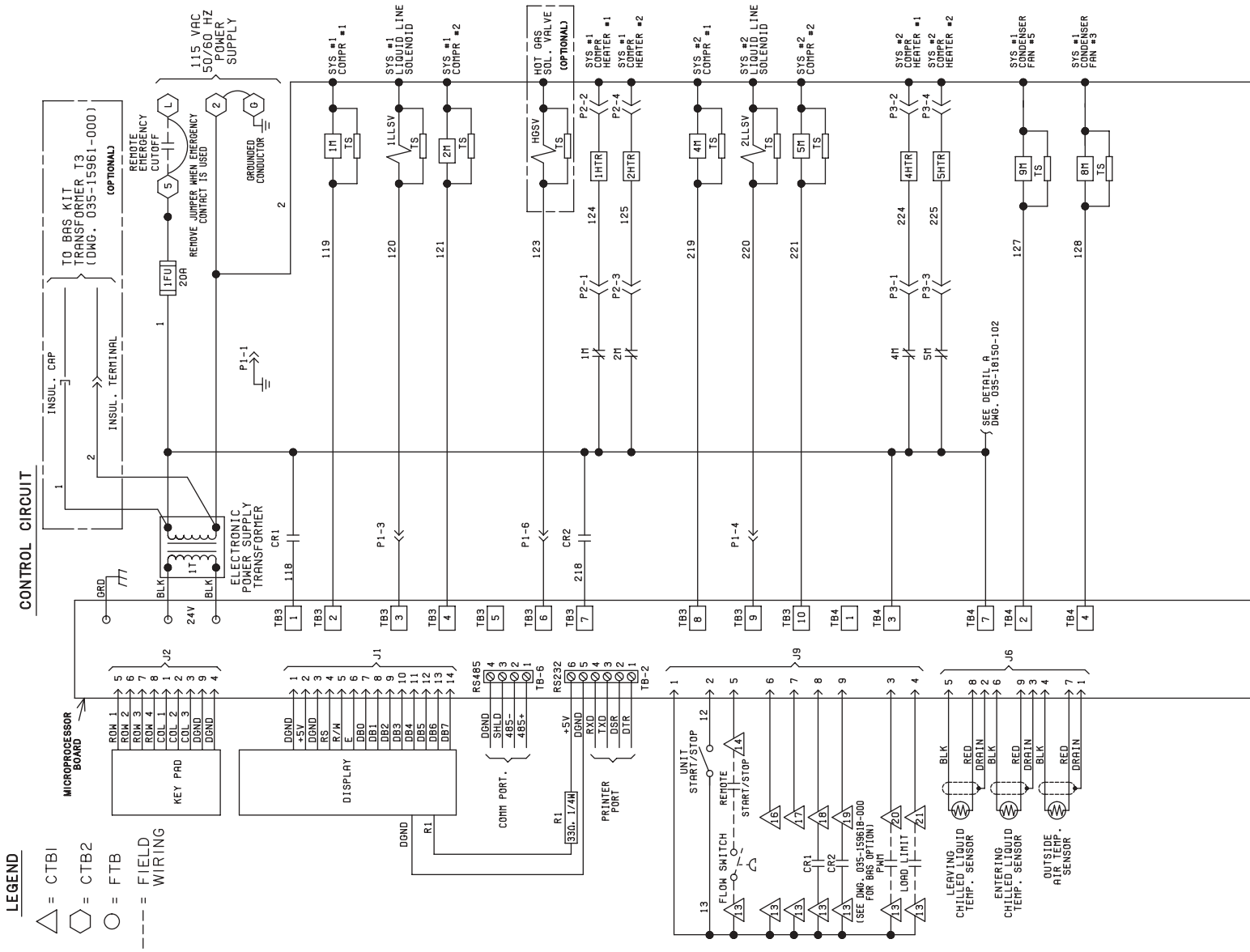


FIG. 20 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT

ELEMENTARY DIAGRAM
YCAL0090E_ – YCAL0094E_

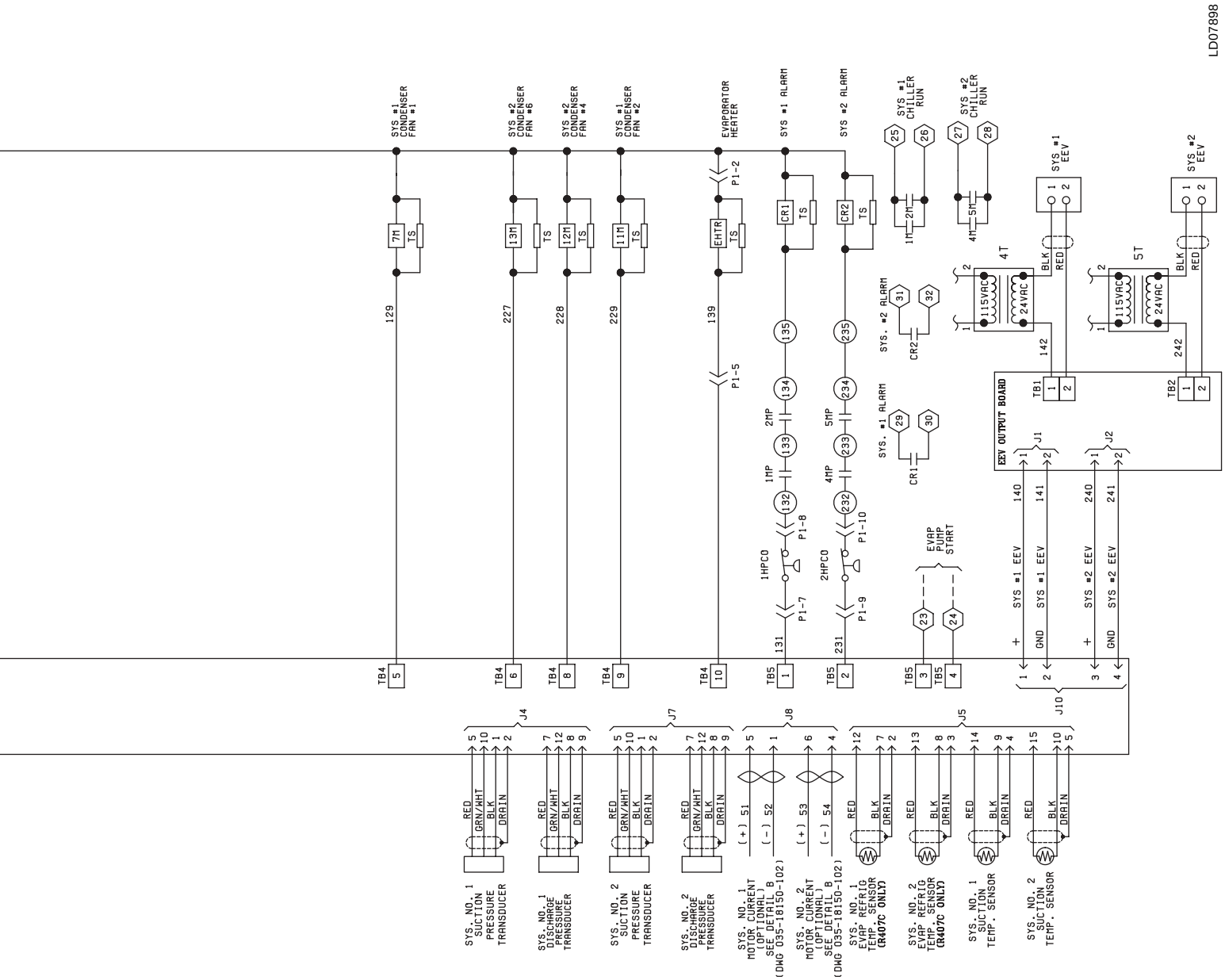


FIG. 20 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT (Cont'd)

ELEMENTARY DIAGRAM
YCAL0090E_ – YCAL0094E_

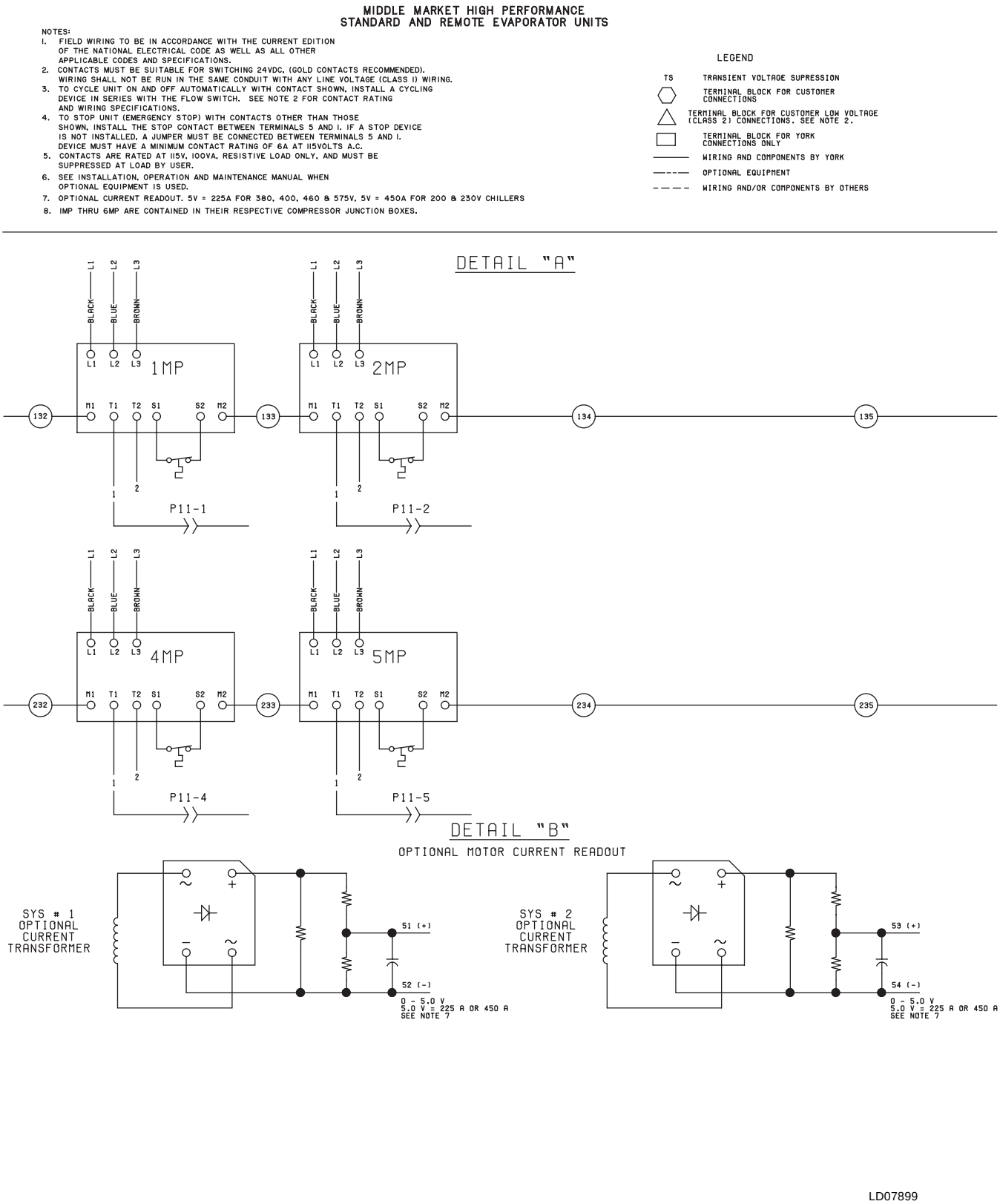


FIG. 21 – ELEMENTARY DIAGRAM, STANDARD AND REMOTE EVAPORATOR UNITS

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ELEMENTARY DIAGRAM
YCAL0090E_ – YCAL0094E_

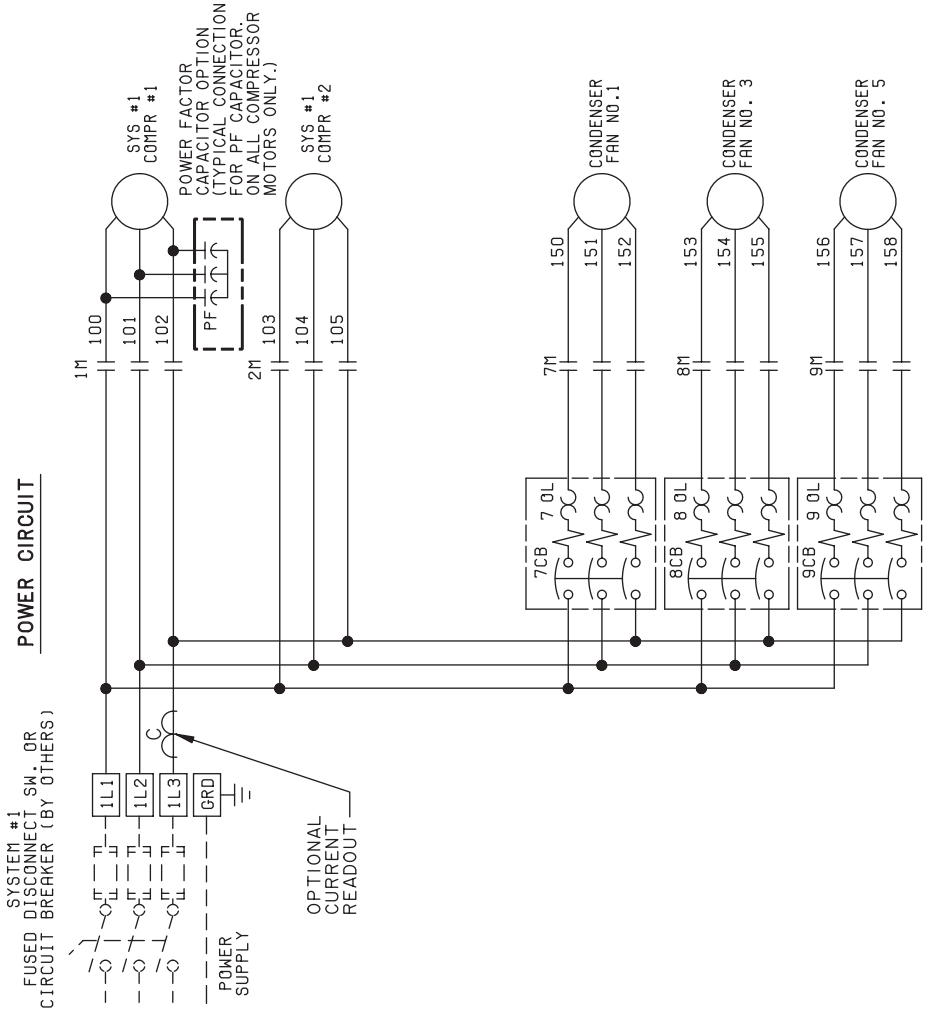


FIG. 22 – ELEMENTARY DIAGRAM, POWER CIRCUIT

ELEMENTARY DIAGRAM
YCAL0090E_ – YCAL0094E_

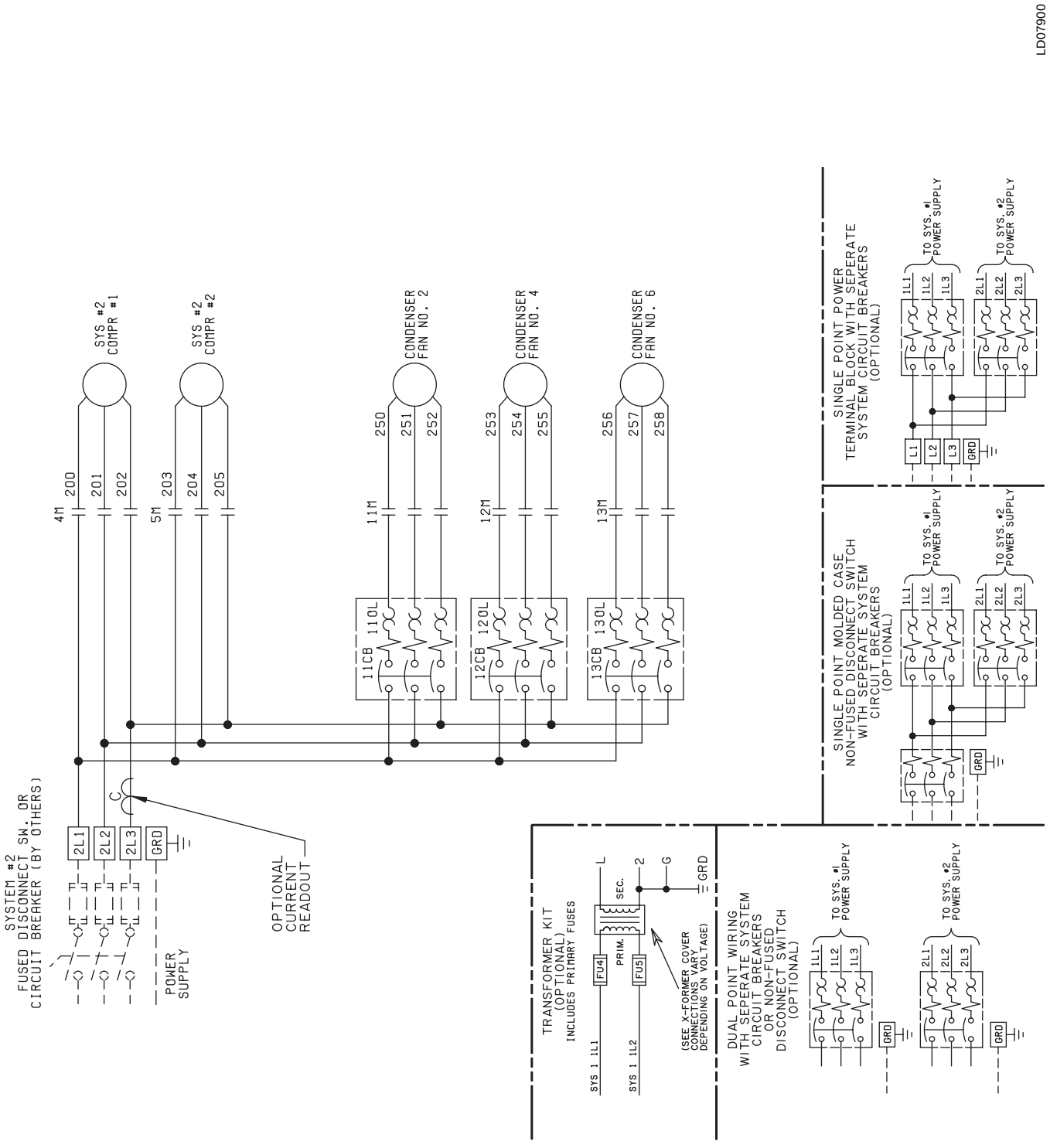


FIG. 22 – ELEMENTARY DIAGRAM, POWER CIRCUIT (Cont'd)

CONNECTION DIAGRAM
YCAL0090E_ – YCAL0094E_

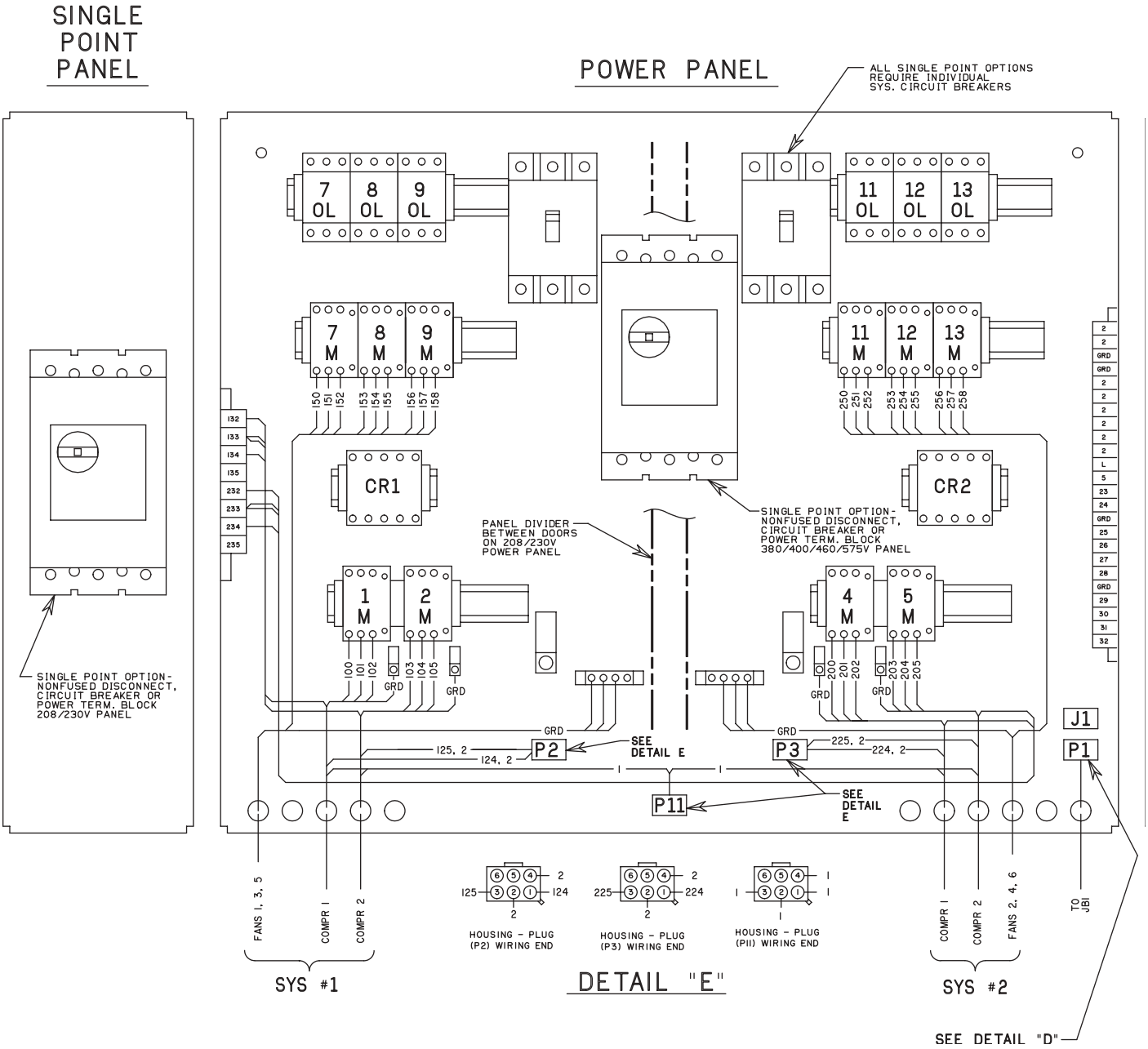
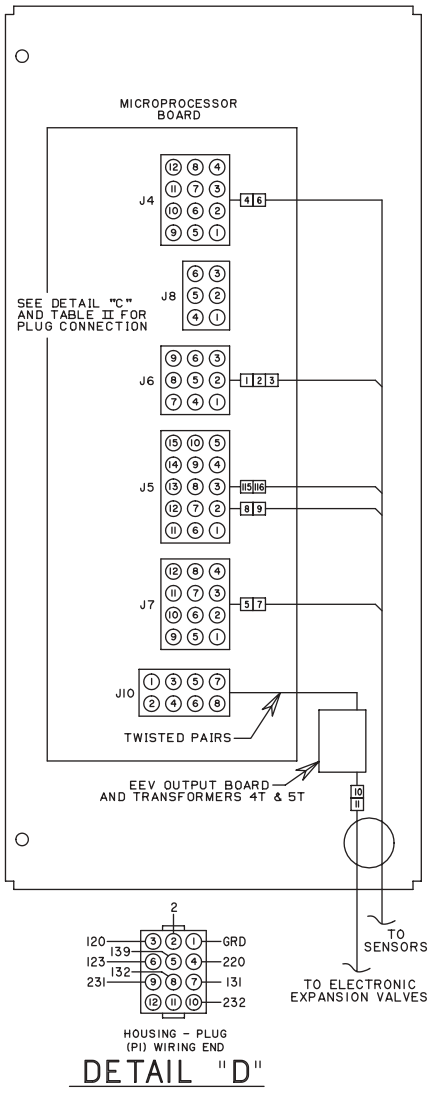


FIG. 23 – ELEMENTARY DIAGRAM, POWER PANEL

CONNECTION DIAGRAM
YCAL0090E_ – YCAL0094E_

LD07901



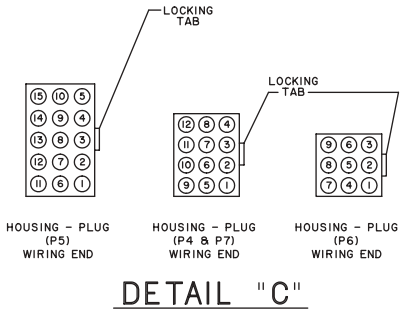


TABLE II

BOARD PLUG NO.	CABLE CODE	WIRE COLOR	PLUG PIN NO.	FUNCTION	LEGEND
MICRO P4	4	RED	5	SYS #1 SUCTION PRESSURE	ISPT
		WHT	10		
		BLK	1		
		DRAIN	2		
	6	RED	7	SYS #1 DISCHARGE PRESSURE	IDPT
		WHT	12		
		BLK	8		
		DRAIN	9		
MICRO P6	1	BLK	5	LEAVING WATER TEMP	LWT
		RED	8		
		DRAIN	2		
	3	BLK	6	ENTERING WATER TEMP	EWT
		RED	9		
		DRAIN	3		
	2	BLK	4	OUTSIDE AIR TEMP.	OAT
		RED	7		
		DRAIN	1		
MICRO P7	5	RED	5	SYS #2 SUCTION PRESSURE	2SPT
		WHT	10		
		BLK	1		
		DRAIN	2		
	7	RED	7	SYS #2 DISCHARGE PRESSURE	2DPT
		WHT	12		
		BLK	8		
		DRAIN	9		
MICRO P5	STANDARD 407C 15	RED	12	SYS #1 LIQ. TEMP. SENSOR	ILTS
		BLK	7		
		DRAIN	2		
	STANDARD 407C 16	RED	13	SYS #2 LIQ. TEMP. SENSOR	2LTS
		BLK	8		
		DRAIN	3		
	8	RED	14	SYS #1 SUCTION TEMP. SENSOR	ISTS
		BLK	9		
		DRAIN	4		
	9	RED	15	SYS #2 SUCTION TEMP. SENSOR	2STS
		BLK	10		
		DRAIN	5		
EEV OUTPUT BOARD AND TRANSFORMER 4T, 5T	10	BLK	4T (TRANS)	SYS #1 EEV OUTPUT	IEEV
		RED	EEV OUTPUT BOARD TB1-2		
	11	BLK	5T (TRANS)	SYS #2 EEV OUTPUT	2EEV
		RED			

FIG. 23 – ELEMENTARY DIAGRAM, POWER PANEL (Cont'd)

ELEMENTARY DIAGRAM
YCAL0104E_

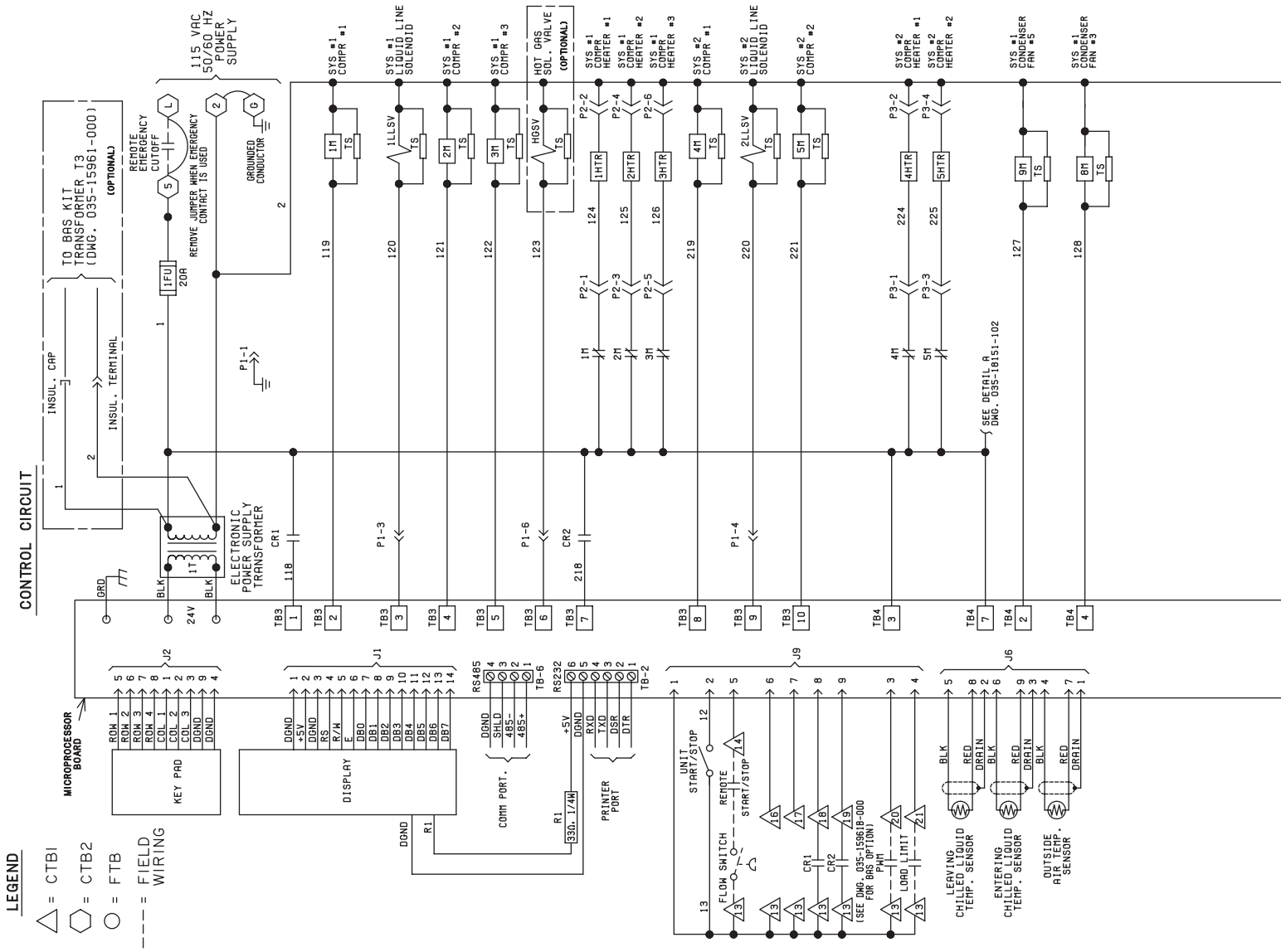


FIG. 24 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT

ELEMENTARY DIAGRAM
YCAL0104E_

LD07902

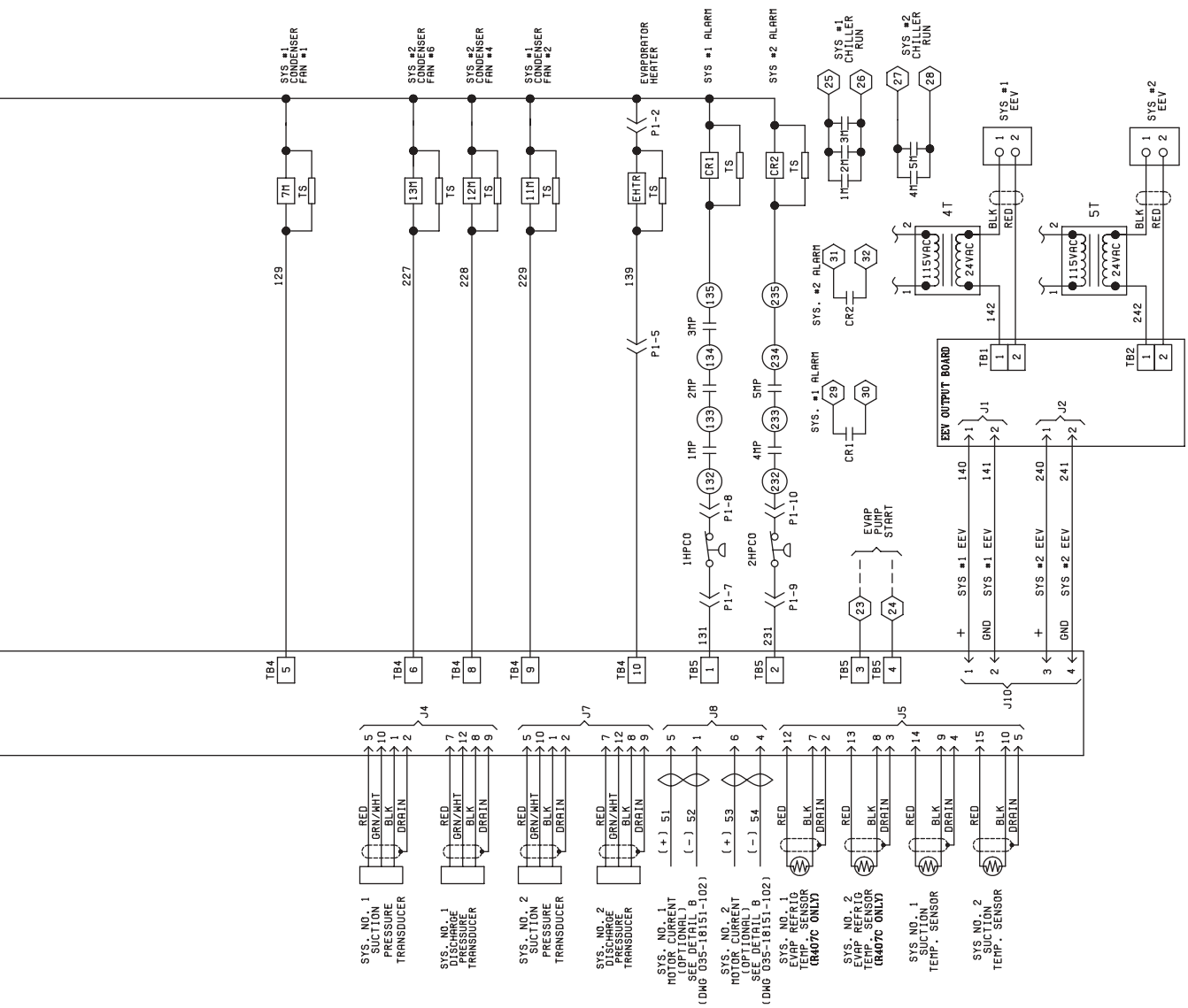


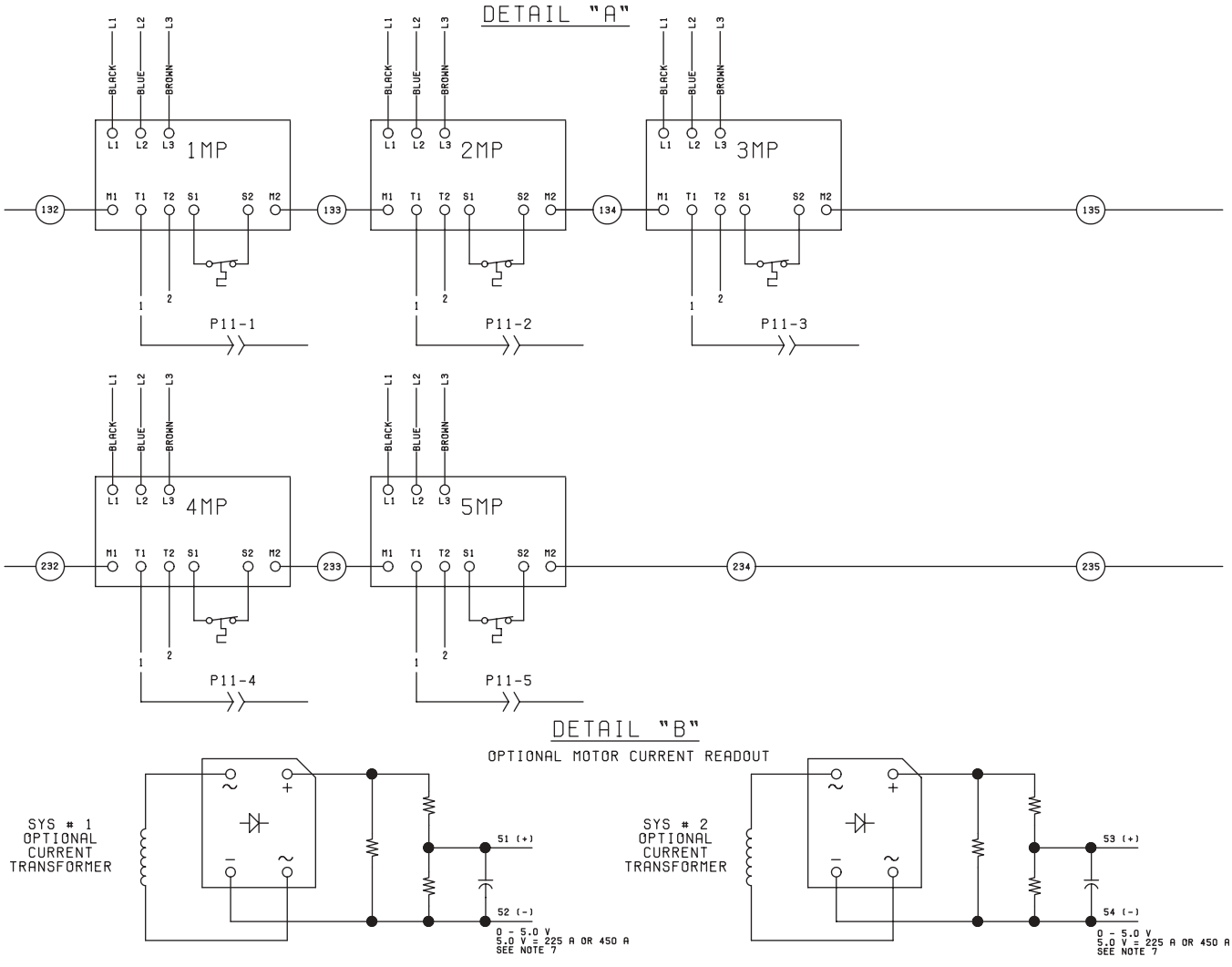
FIG. 24 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT (Cont'd)

ELEMENTARY DIAGRAM
YCAL0104E_

MIDDLE MARKET HIGH PERFORMANCE
STANDARD AND REMOTE EVAPORATOR UNITS

NOTES:
1. FIELD WIRING TO BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ALL OTHER APPLICABLE CODES AND SPECIFICATIONS.
2. CONTACTS MUST BE SUITABLE FOR SWITCHING 24VDC, (GOLD CONTACTS RECOMMENDED). WIRING SHALL NOT BE RUN IN THE SAME CONDUIT WITH ANY LINE VOLTAGE (CLASS I) WIRING.
3. TO CYCLE UNIT ON AND OFF AUTOMATICALLY WITH CONTACT SHOWN, INSTALL A CYCLING DEVICE IN SERIES WITH THE FLOW SWITCH. SEE NOTE 2 FOR CONTACT RATING AND WIRING SPECIFICATIONS.
4. TO STOP UNIT (EMERGENCY STOP) WITH CONTACTS OTHER THAN THOSE SHOWN, INSTALL THE STOP CONTACT BETWEEN TERMINALS 5 AND 1. IF A STOP DEVICE IS NOT INSTALLED, A JUMPER MUST BE CONNECTED BETWEEN TERMINALS 5 AND 1. DEVICE MUST HAVE A MINIMUM CONTACT RATING OF 6A AT 115VOLTS A.C.
5. CONTACTS ARE RATED AT 115V, 100VA, RESISTIVE LOAD ONLY, AND MUST BE SUPPRESSED AT LOAD BY USER.
6. SEE INSTALLATION, OPERATION AND MAINTENANCE MANUAL WHEN OPTIONAL EQUIPMENT IS USED.
7. OPTIONAL CURRENT READOUT. 5V = 225A FOR 380, 400, 460 & 575V, 5V = 450A FOR 200 & 230V CHILLERS
8. IMP THRU 6MP ARE CONTAINED IN THEIR RESPECTIVE COMPRESSOR JUNCTION BOXES.

LEGEND
- TS — TRANSIENT VOLTAGE SUPRESSION
- ⬡ — TERMINAL BLOCK FOR CUSTOMER CONNECTIONS
- △ — TERMINAL BLOCK FOR CUSTOMER LOW VOLTAGE (CLASS 2) CONNECTIONS. SEE NOTE 2.
- ▭ — TERMINAL BLOCK FOR YORK CONNECTIONS ONLY
- ——— WIRING AND COMPONENTS BY YORK
- ——— OPTIONAL EQUIPMENT
- – – – – WIRING AND/OR COMPONENTS BY OTHERS



LD07903

FIG. 25 – ELEMENTARY DIAGRAM, POWER CIRCUIT, STANDARD AND REMOTE EVAPORATOR UNITS

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ELEMENTARY DIAGRAM
YCAL0104E_

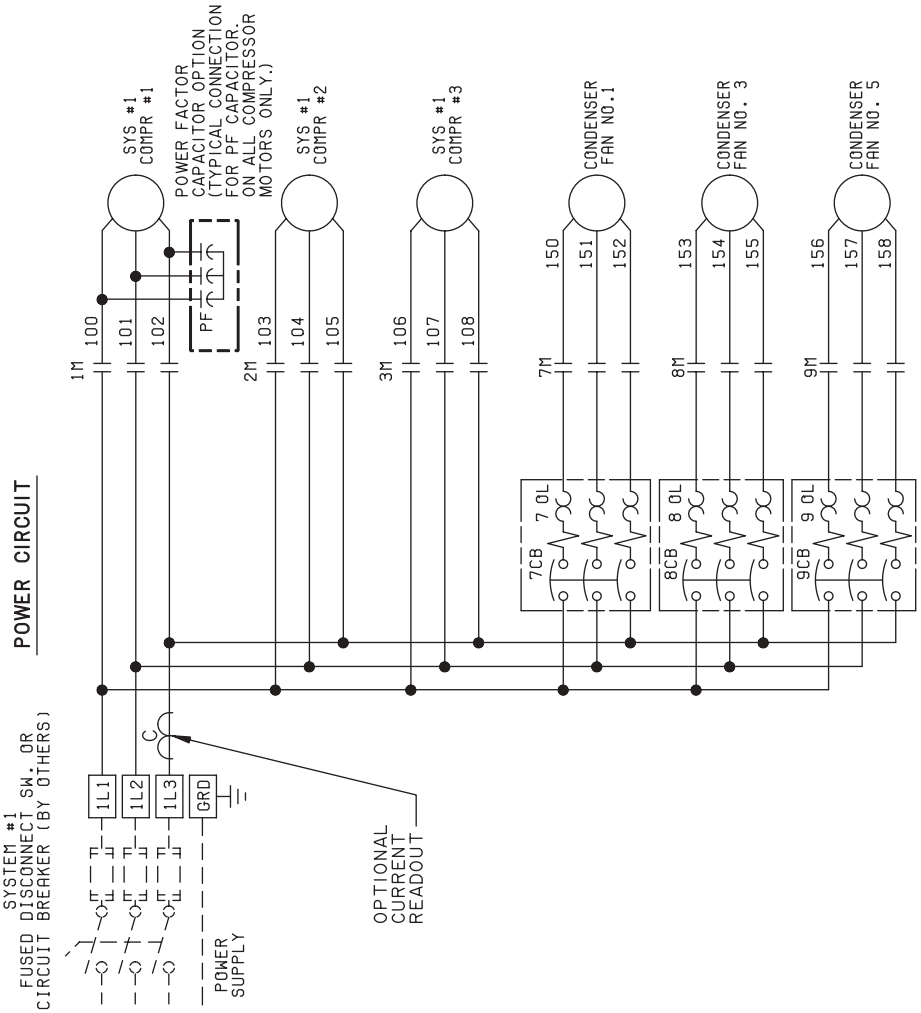


FIG. 26 – ELEMENTARY DIAGRAM, POWER CIRCUIT

ELEMENTARY DIAGRAM
YCAL0104E_

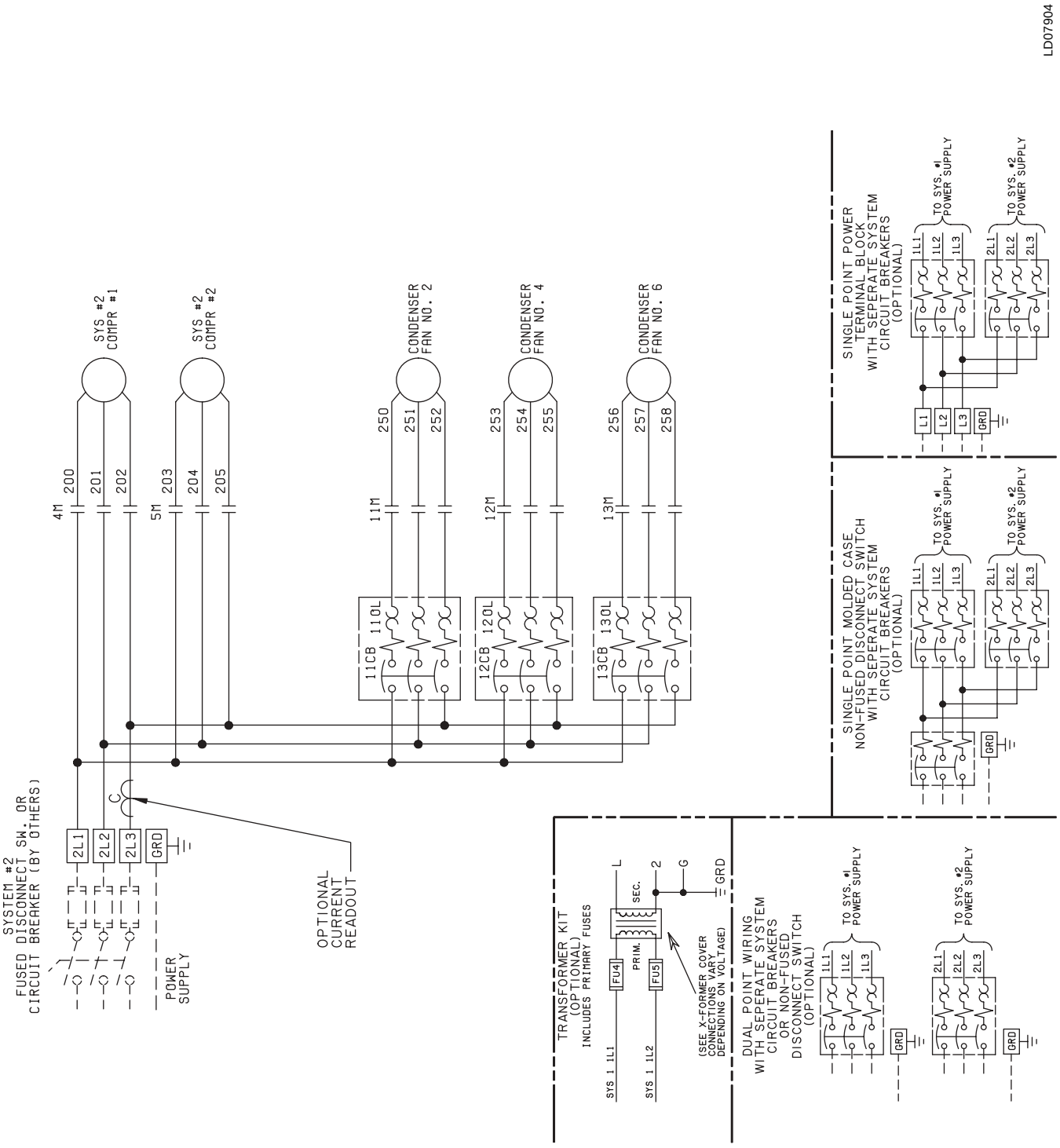


FIG. 26 – ELEMENTARY DIAGRAM, POWER CIRCUIT (Cont'd)

CONNECTION DIAGRAM
YCAL0104E_

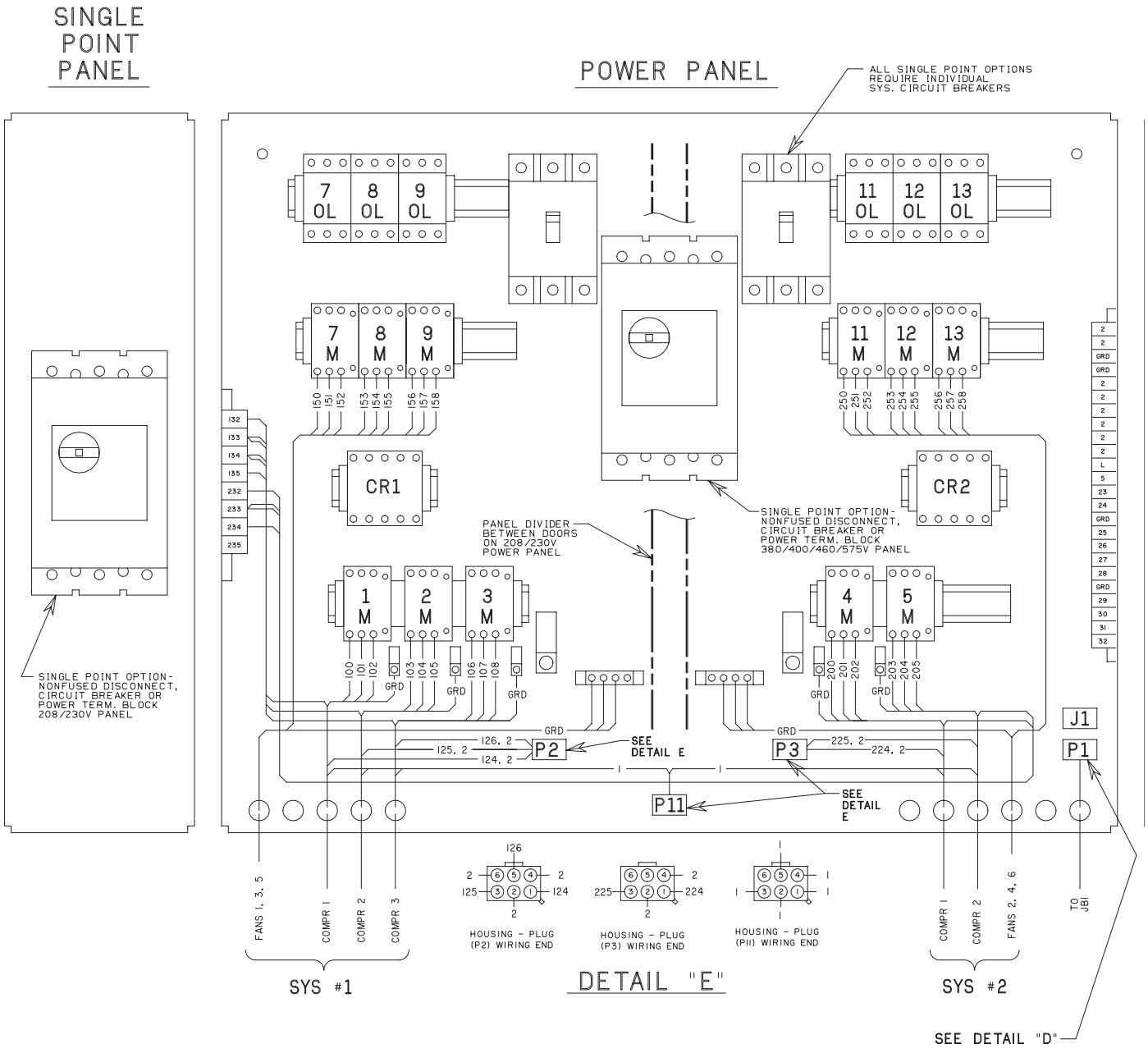


FIG. 27 – CONNECTION DIAGRAM, MIDDLE MARKET HIGH PERFORMANCE POWER PANEL

CONNECTION DIAGRAM
YCAL0104E_

LD07905

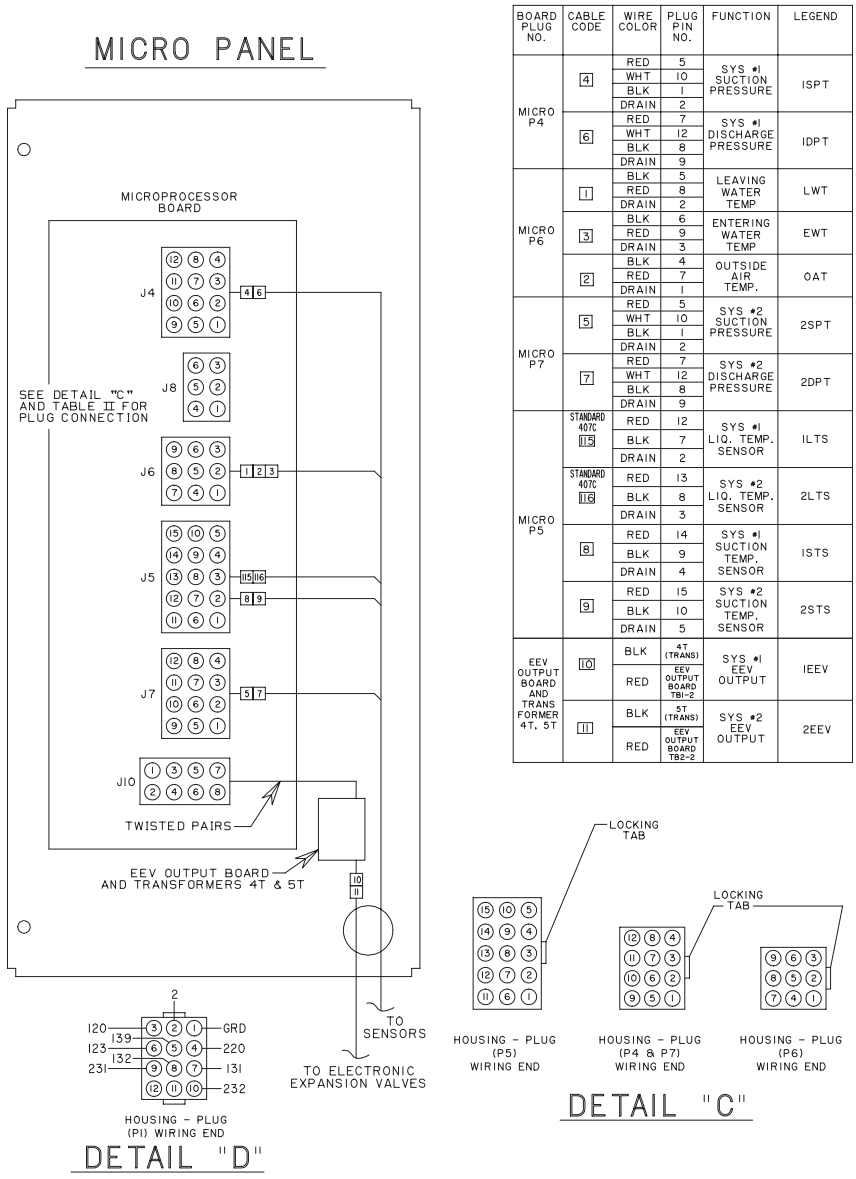


TABLE II

BOARD PLUG NO.	CABLE CODE	WIRE COLOR	PLUG PIN NO.	FUNCTION	LEGEND
MICRO P4	4	RED	5	SYS #1 SUCTION PRESSURE	1SPT
		WHT	10		
		BLK	1		
		DRAIN	2		
	6	RED	7	SYS #1 DISCHARGE PRESSURE	1DPT
		WHT	12		
		BLK	8		
		DRAIN	9		
MICRO P6	1	BLK	5	LEAVING WATER TEMP	LWT
		RED	8		
		DRAIN	2		
	3	BLK	6	ENTERING WATER TEMP	EWT
		RED	9		
		DRAIN	3		
	2	BLK	4	OUTSIDE AIR TEMP.	OAT
		RED	7		
		DRAIN	1		
MICRO P7	5	RED	5	SYS #2 SUCTION PRESSURE	2SPT
		WHT	10		
		BLK	1		
		DRAIN	2		
	7	RED	7	SYS #2 DISCHARGE PRESSURE	2DPT
		WHT	12		
		BLK	8		
		DRAIN	9		
MICRO P5	STANDARD 407C 15	RED	12	SYS #1 LIQ. TEMP. SENSOR	1LTS
		BLK	7		
		DRAIN	2		
	STANDARD 407C 16	RED	13	SYS #2 LIQ. TEMP. SENSOR	2LTS
		BLK	8		
		DRAIN	3		
	8	RED	14	SYS #1 SUCTION TEMP. SENSOR	1STS
		BLK	9		
		DRAIN	4		
	9	RED	15	SYS #2 SUCTION TEMP. SENSOR	2STS
		BLK	10		
		DRAIN	5		
EEV OUTPUT BOARD AND TRANS FORMER 4T, 5T	10	BLK	4T (TRANS)	SYS #1 EEV OUTPUT	1EEV
		RED	EEV OUTPUT BOARD TB1-2		
	11	BLK	5T (TRANS)	SYS #2 EEV OUTPUT	2EEV
		RED	EEV OUTPUT BOARD TB2-2		

FIG. 27 – CONNECTION DIAGRAM, MIDDLE MARKET HIGH PERFORMANCE POWER PANEL (Cont'd)

ELEMENTARY DIAGRAM
YCAL0114E_ – YCAL0124E_

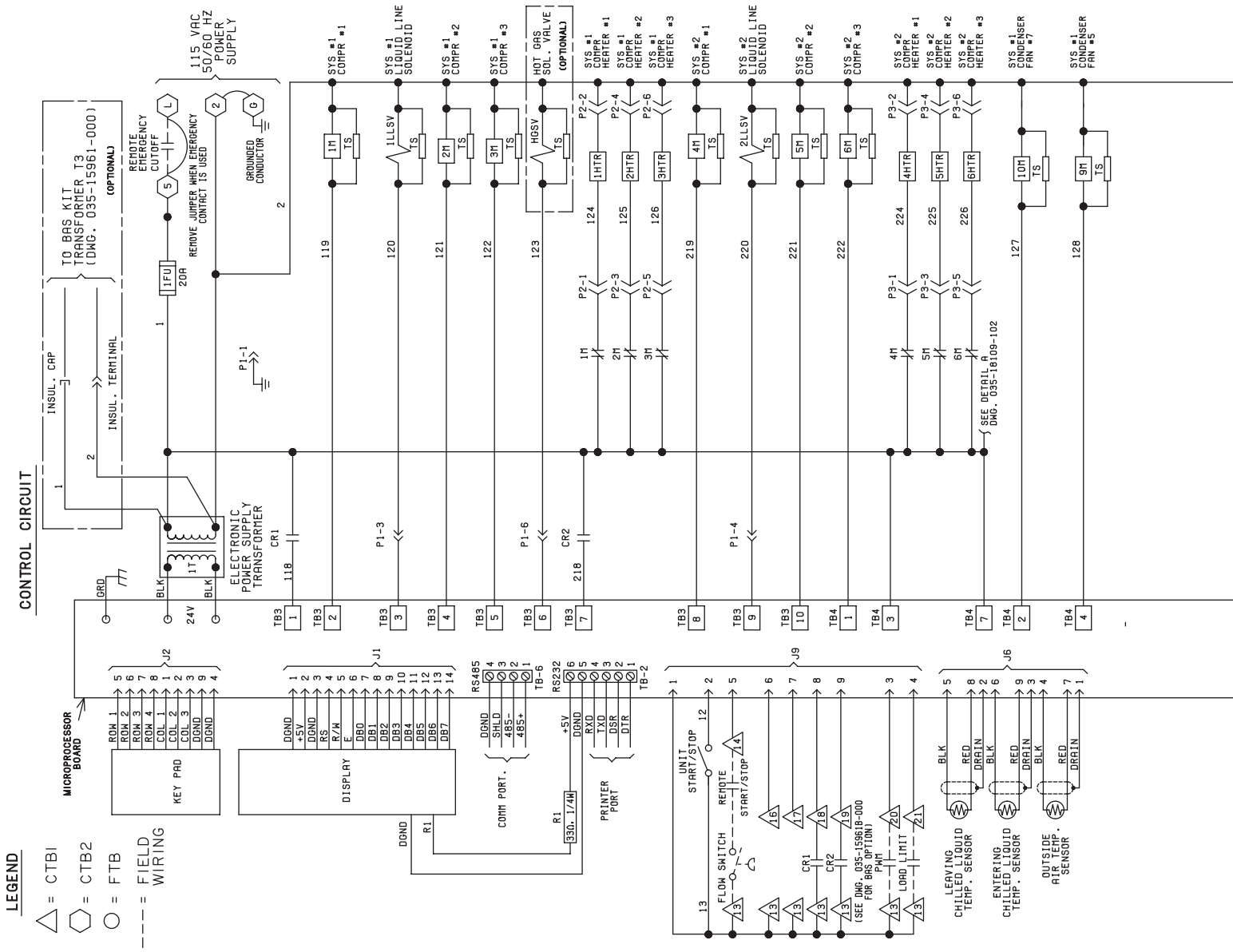


FIG. 28 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT

ELEMENTARY DIAGRAM
YCAL0114E_ – YCAL0124E_

LD07906

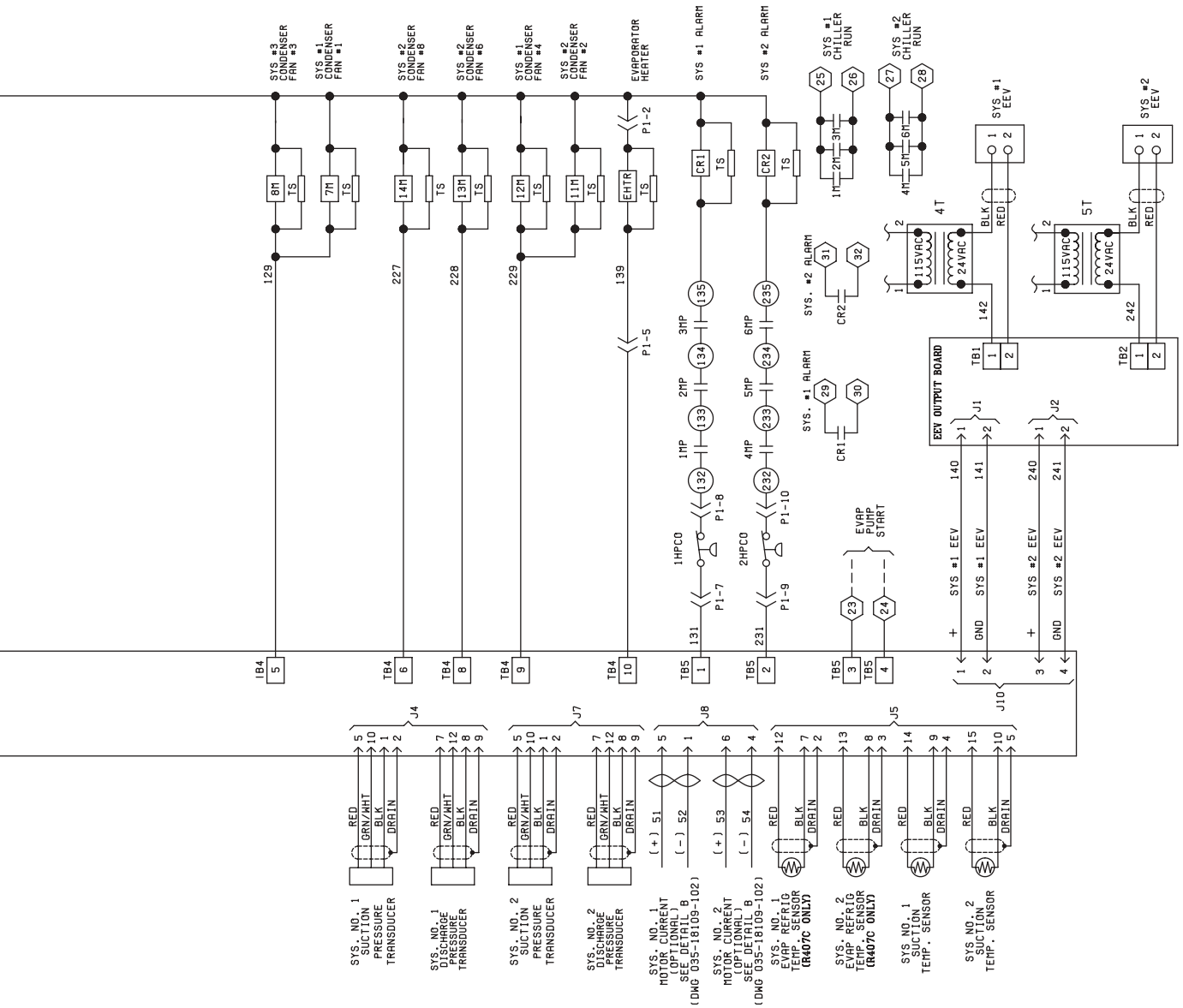


FIG. 28 – ELEMENTARY DIAGRAM, CONTROL CIRCUIT (Cont'd)

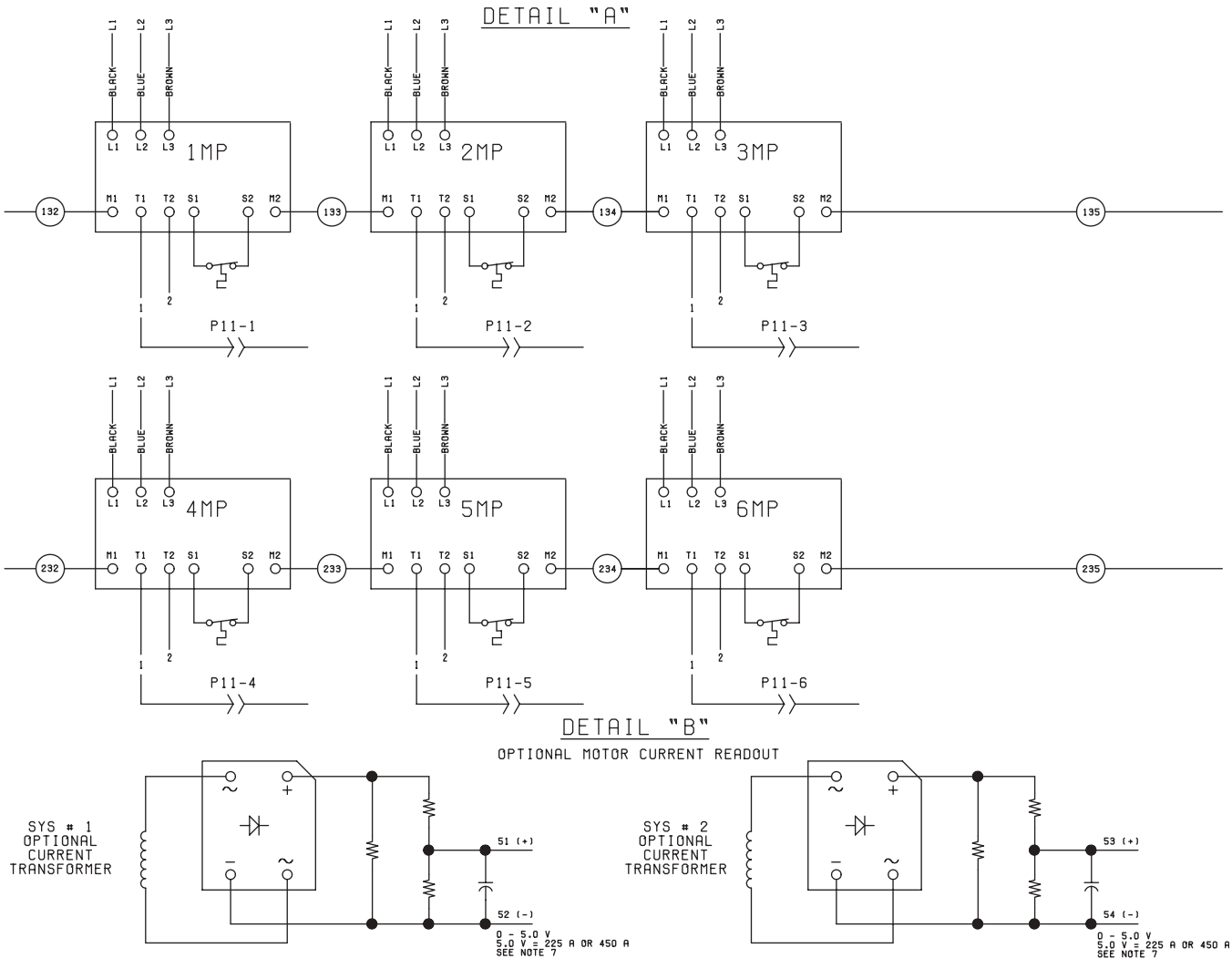
ELEMENTARY DIAGRAM
YCAL0114E_ – YCAL0124E_

MIDDLE MARKET HIGH PERFORMANCE
STANDARD AND REMOTE EVAPORATOR UNITS

NOTES:
1. FIELD WIRING TO BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ALL OTHER APPLICABLE CODES AND SPECIFICATIONS.
2. CONTACTS MUST BE SUITABLE FOR SWITCHING 24VDC, (GOLD CONTACTS RECOMMENDED). WIRING SHALL NOT BE RUN IN THE SAME CONDUIT WITH ANY LINE VOLTAGE (CLASS I) WIRING.
3. TO CYCLE UNIT ON AND OFF AUTOMATICALLY WITH CONTACT SHOWN, INSTALL A CYCLING DEVICE IN SERIES WITH THE FLOW SWITCH. SEE NOTE 2 FOR CONTACT RATING AND WIRING SPECIFICATIONS.
4. TO STOP UNIT (EMERGENCY STOP) WITH CONTACTS OTHER THAN THOSE SHOWN, INSTALL THE STOP CONTACT BETWEEN TERMINALS 5 AND 1. IF A STOP DEVICE IS NOT INSTALLED, A JUMPER MUST BE CONNECTED BETWEEN TERMINALS 5 AND 1. DEVICE MUST HAVE A MINIMUM CONTACT RATING OF 6A AT 115VOLTS A.C.
5. CONTACTS ARE RATED AT 115V, 100VA, RESISTIVE LOAD ONLY, AND MUST BE SUPPRESSED AT LOAD BY USER.
6. SEE INSTALLATION, OPERATION AND MAINTENANCE MANUAL WHEN OPTIONAL EQUIPMENT IS USED.
7. OPTIONAL CURRENT READOUT. 5V = 225A FOR 380, 400, 460 & 575V. 5V = 450A FOR 200 & 230V CHILLERS
8. IMP THRU 6MP ARE CONTAINED IN THEIR RESPECTIVE COMPRESSOR JUNCTION BOXES.

LEGEND

TS	TRANSIENT VOLTAGE SUPRESSION
⬡	TERMINAL BLOCK FOR CUSTOMER CONNECTIONS
△	TERMINAL BLOCK FOR CUSTOMER LOW VOLTAGE (CLASS 2) CONNECTIONS. SEE NOTE 2.
▭	TERMINAL BLOCK FOR YORK CONNECTIONS ONLY
———	WIRING AND COMPONENTS BY YORK
——–——	OPTIONAL EQUIPMENT
– – – –	WIRING AND/OR COMPONENTS BY OTHERS



LD07907

FIG. 29 – ELEMENTARY DIAGRAM, STANDARD AND REMOTE EVAPORATOR UNITS

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ELEMENTARY DIAGRAM
YCAL0114E_ – YCAL0124E_

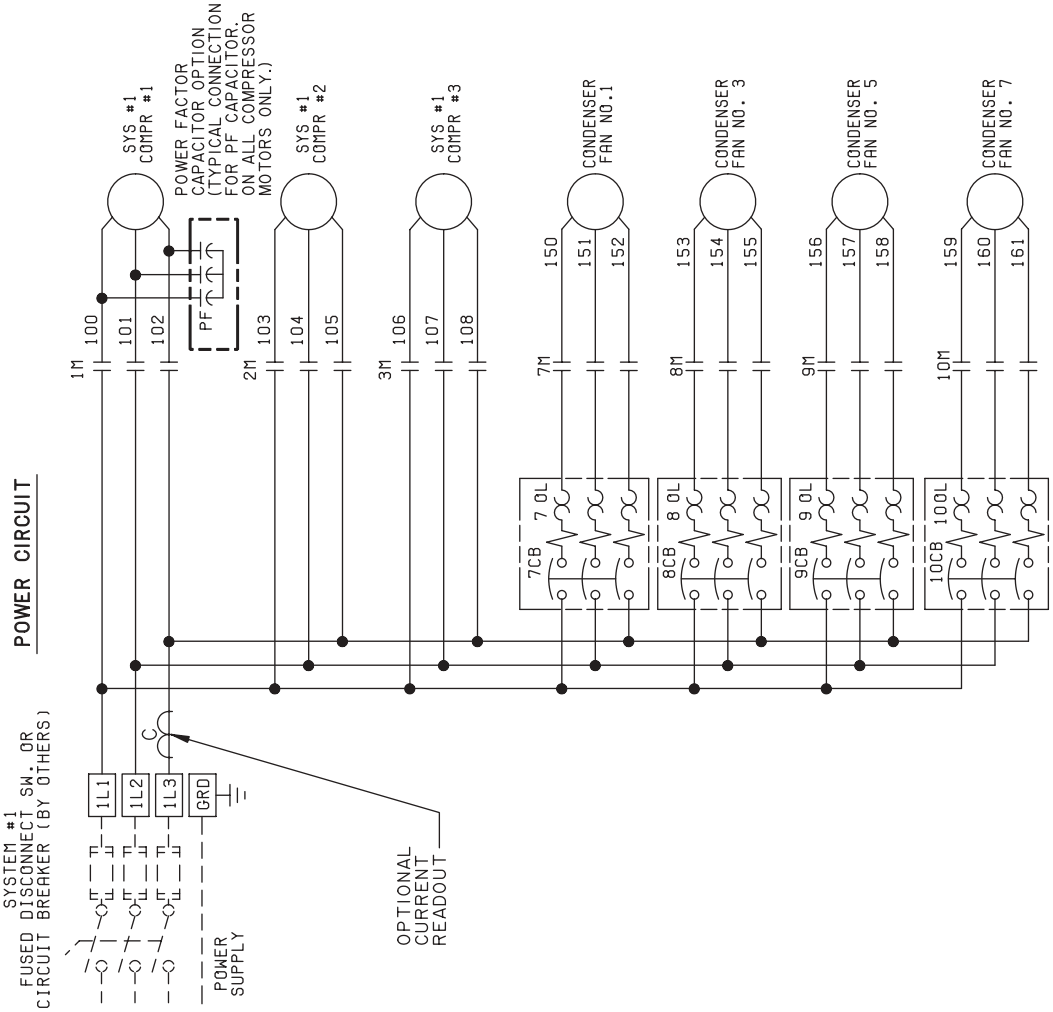

FIG. 30 – ELEMENTARY DIAGRAM, POWER CIRCUIT

ELEMENTARY DIAGRAM
YCAL0114E_ – YCAL0124E_

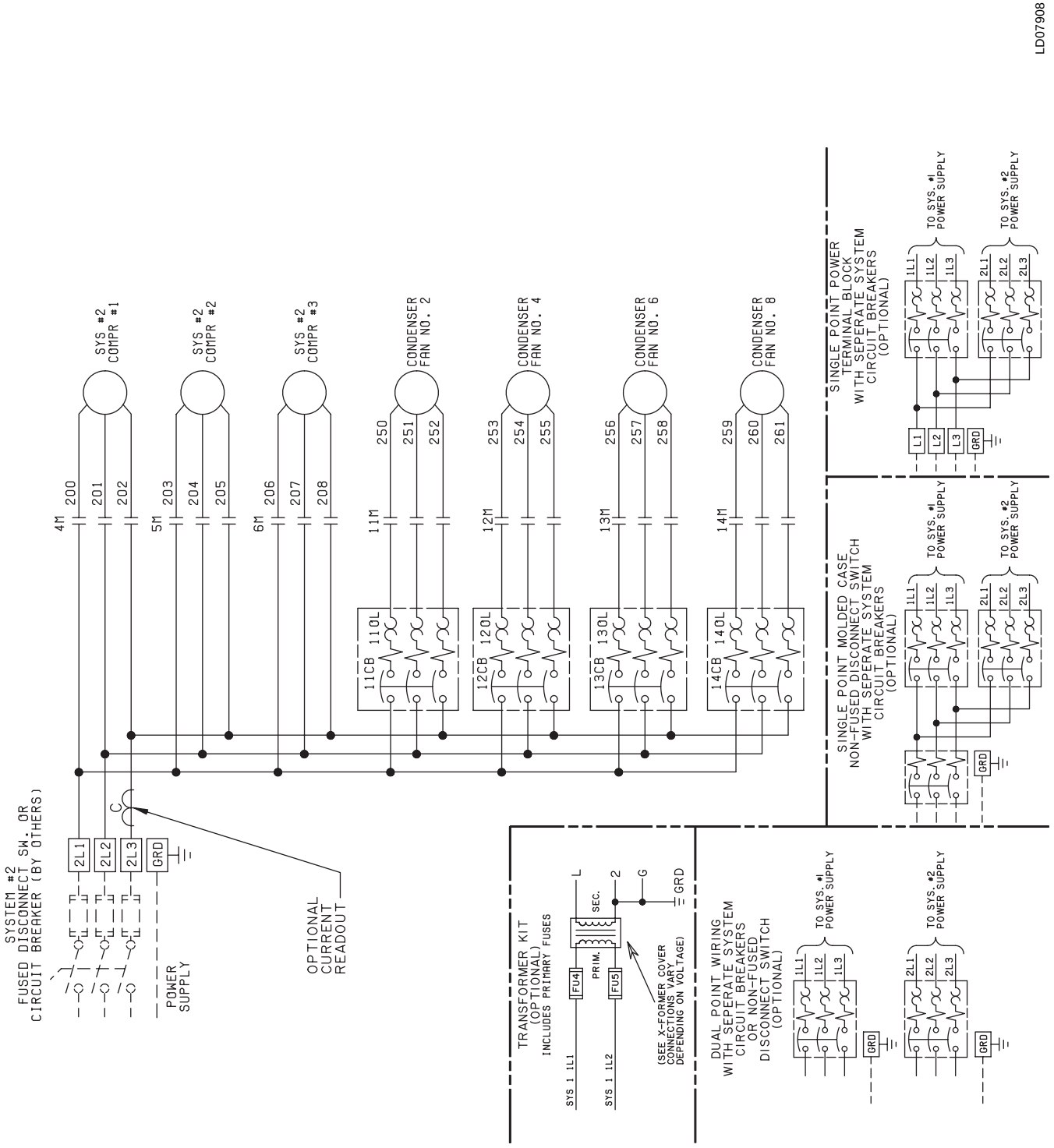

FIG. 30 – ELEMENTARY DIAGRAM, POWER CIRCUIT (Cont'd)

CONNECTION DIAGRAM
YCAL0114E_ – YCAL0124E_

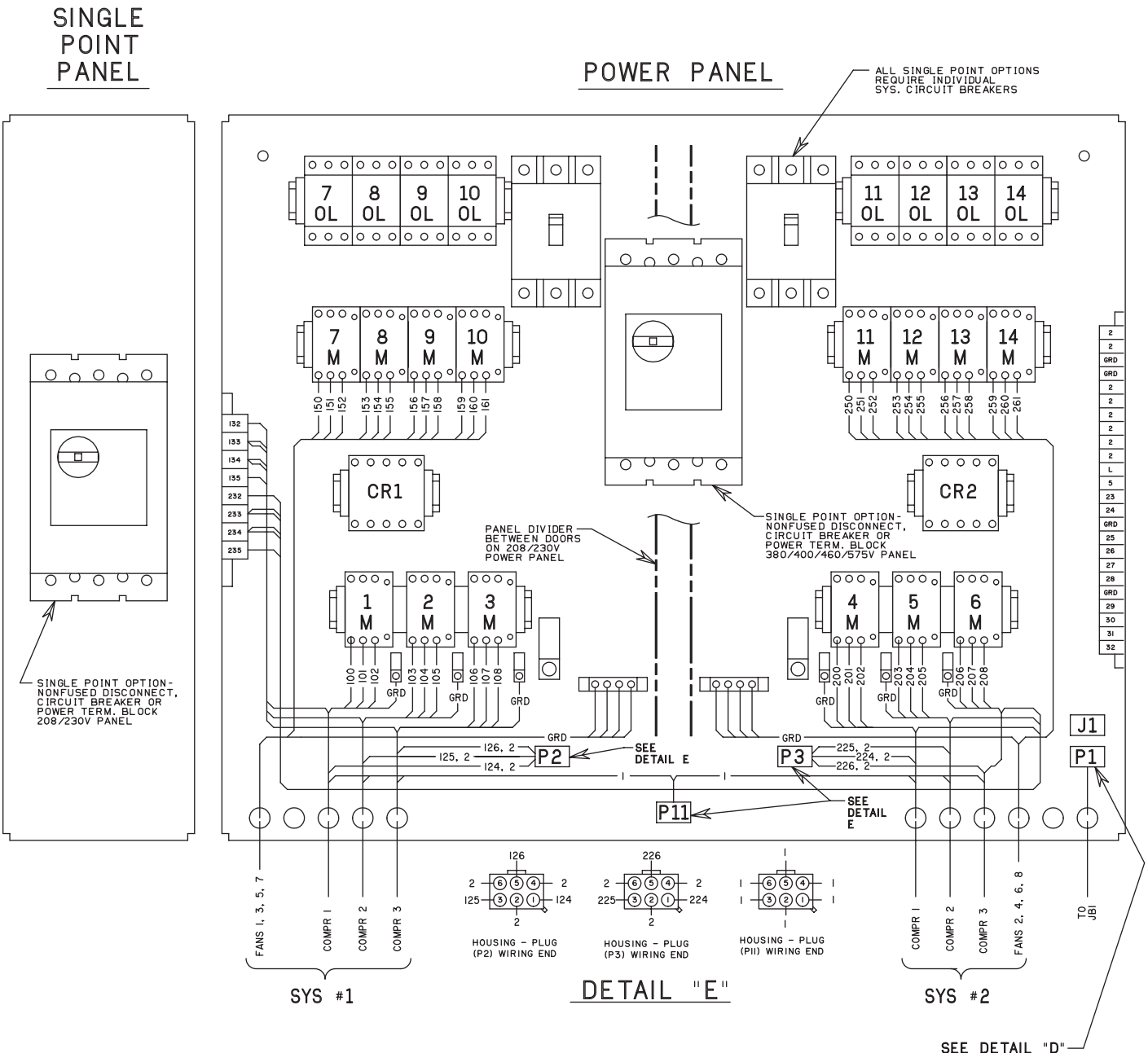

FIG. 31 – CONNECTION DIAGRAM, MIDDLE MARKET HIGH PERFORMANCE POWER PANEL

CONNECTION DIAGRAM
YCAL0114E_ – YCAL0124E_

LD07909

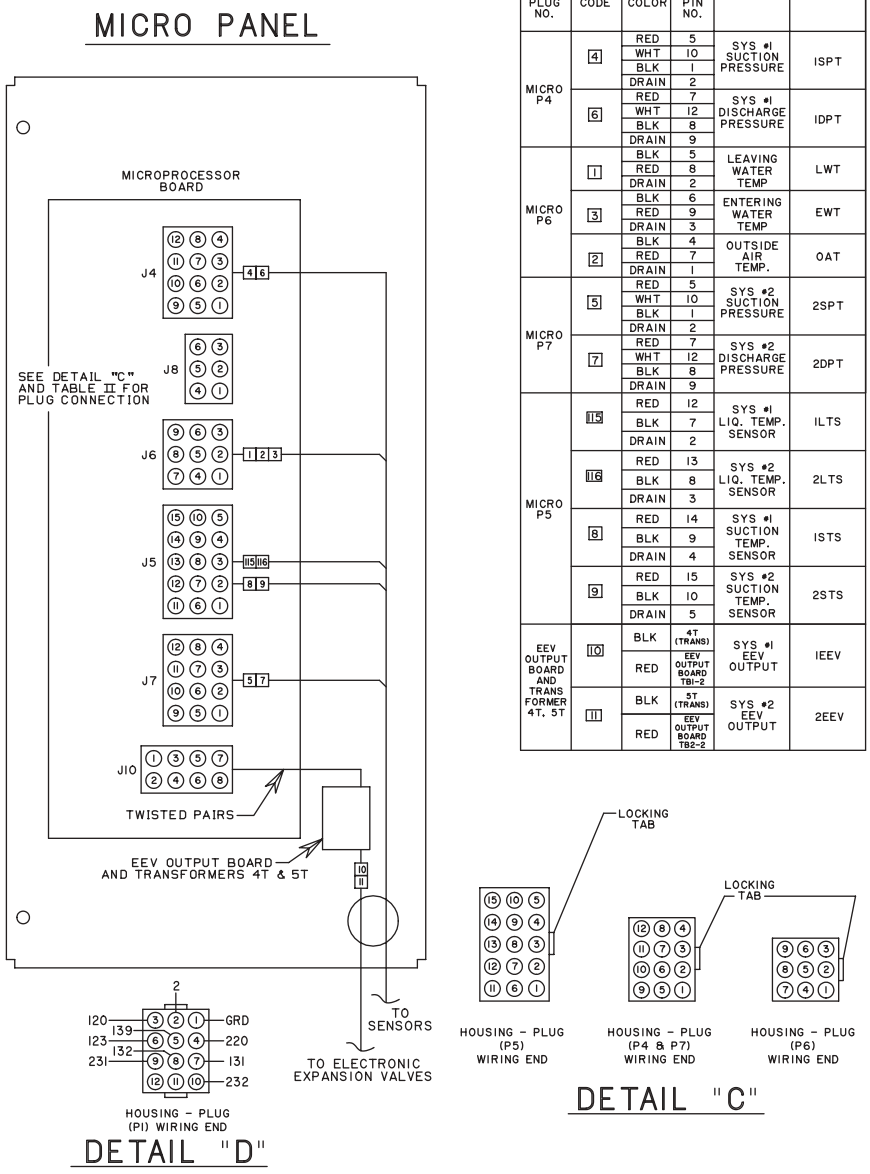

TABLE II

BOARD PLUG NO.	CABLE CODE	WIRE COLOR	PLUG PIN NO.	FUNCTION	LEGEND
MICRO P4	4	RED	5	SYS #1 SUCTION PRESSURE	1SPT
		WHT	10		
		BLK	1		
		DRAIN	2		
	6	RED	7	SYS #1 DISCHARGE PRESSURE	1DPT
		WHT	12		
		BLK	8		
		DRAIN	9		
MICRO P6	1	BLK	5	LEAVING WATER TEMP	LWT
		RED	8		
		DRAIN	2		
	3	BLK	6	ENTERING WATER TEMP	EWT
		RED	9		
		DRAIN	3		
	2	BLK	4	OUTSIDE AIR TEMP.	OAT
		RED	7		
		DRAIN	1		
MICRO P7	5	RED	5	SYS #2 SUCTION PRESSURE	2SPT
		WHT	10		
		BLK	1		
		DRAIN	2		
	7	RED	7	SYS #2 DISCHARGE PRESSURE	2DPT
		WHT	12		
		BLK	8		
		DRAIN	9		
MICRO P5	15	RED	12	SYS #1 LIQ. TEMP. SENSOR	1LTS
		BLK	7		
		DRAIN	2		
	16	RED	13	SYS #2 LIQ. TEMP. SENSOR	2LTS
		BLK	8		
		DRAIN	3		
	8	RED	14	SYS #1 SUCTION TEMP. SENSOR	1STS
		BLK	9		
		DRAIN	4		
	9	RED	15	SYS #2 SUCTION TEMP. SENSOR	2STS
		BLK	10		
		DRAIN	5		
EEV OUTPUT BOARD AND TRANS FORMER 4T, 5T	10	BLK	4T (TRANS)	SYS #1 EEV OUTPUT	1EEV
		RED	EEV OUTPUT BOARD TB1-2		
	11	BLK	5T (TRANS)	SYS #2 EEV OUTPUT	2EEV
		RED	EEV OUTPUT BOARD TB2-2		

FIG. 31 – CONNECTION DIAGRAM, MIDDLE MARKET HIGH PERFORMANCE POWER PANEL (Cont'd)

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