YORK®	*Millennium*® AIR-COOLED SCROLL CHILLERS STYLE A	
WIRING DIAGRAM	Supersedes: 150.62-W1 (1198)	Form 150.62-W1 (701)

YCAL0014SC – 0080SC

29224(R)A

YCAL0014SC – YCAL0080SC
10 – 80 TON
35 – 282 kW
60 Hz

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

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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.

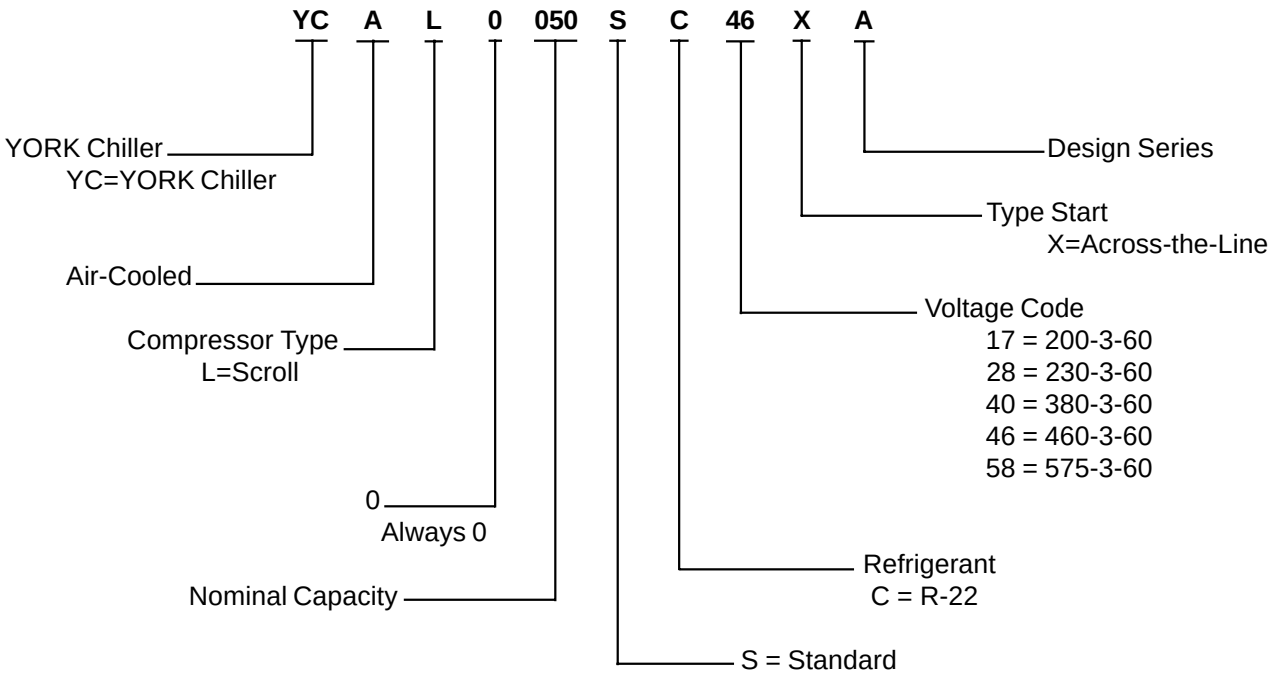
Shut off power supply to equipment before beginning work and follow lockout procedures. When working inside equipment with power off, take care to discharge every capacitor likely to hold dangerous potential.

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



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 NEC 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 NEC 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 NEC Article 440.
5. Circuit breakers must be UL 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: YCA0014 & YCAL0020 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 NEC Table 250-95. A control circuit grounding lug is also supplied.
8. The supplied disconnect is a “Disconnecting Means” as defined in the NEC 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 Micropanel 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 (NON-FUSED DISCONNECT SWITCH)
LRA	LOCKED ROTOR AMPS

ELECTRICAL DATA – STANDARD POWER CONNECTIONS
YCAL0014SC – YCAL0034SC

STANDARD SINGLE POINT POWER CONNECTIONS

SINGLE POINT FIELD SUPPLIED WIRING										SYSTEM #1 COMPRESSOR & FAN							
MODEL YCAL	VOLT	HZ	MCA[1]	MIN N/F 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)
0014	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
0020	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
0024	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
0030	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
0034	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

YCAL0014SC–YCAL0034SC

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
	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
0014	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
	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
0020	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
	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
0024	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
	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
0030	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
	200	60	183	200	200	225	200	225	# 4 - 300	# 4 - 300
	230	60	170	200	200	200	200	200	# 4 - 300	# 4 - 300
0034	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
YCAL0014SC–YCAL0034SC

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
YCAL0040SC–YCAL0080SC

STANDARD DUAL POINT POWER CONNECTIONS

SYSTEM #1 FIELD SUPPLIED WIRING										SYSTEM #1 COMPRESSOR & FAN							
MODEL YCAL	VOLT	HZ	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	INCOMING (LUGS) WIRE RANGE[6]	COMPR. #1 RLA	COMPR. #1 LRA	COMPR. #2 RLA	COMPR. #2 LRA	COMPR. #3 RLA	COMPR. #3 LRA	FANS QTY	FANS FLA (EA)
	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
0040	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
	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
0044	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
	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
0050	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
	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
0060	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
	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
0064	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
	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
0070	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
	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
0074	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
	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
0080	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
YCA0040SC–YCAL0080SC

STANDARD DUAL POINT POWER CONNECTIONS

SYSTEM #2 FIELD SUPPLIED WIRING							SYSTEM #2 COMPRESSOR & FAN							
MCA[1]	MIN N/F DISC SW[2]	D.E. FUSE		CKT. BRK.[5]		INCOMING 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)
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
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
YCAL0040SC – YCAL0060SC

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 WIRE RANGE[6] FACTORY SUPPLIED OPTIONAL		
					MIN[3]	MAX[4]	MIN	MAX	SINGLE POINT	DISCONNECT	BREAKER
0040	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
	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
0044	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
	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
0050	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
	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
0060	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
	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
YCAL0040SC – YCAL0060SC

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	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
YCAL0064SC – YCAL0080SC

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 WIRE RANGE[6] FACTORY SUPPLIED OPTIONAL		
					MIN[3]	MAX[4]	MIN	MAX	SINGLE POINT	DISCONNECT	BREAKER
0064	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
	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
0070	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
	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
0074	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
	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
0080	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
	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

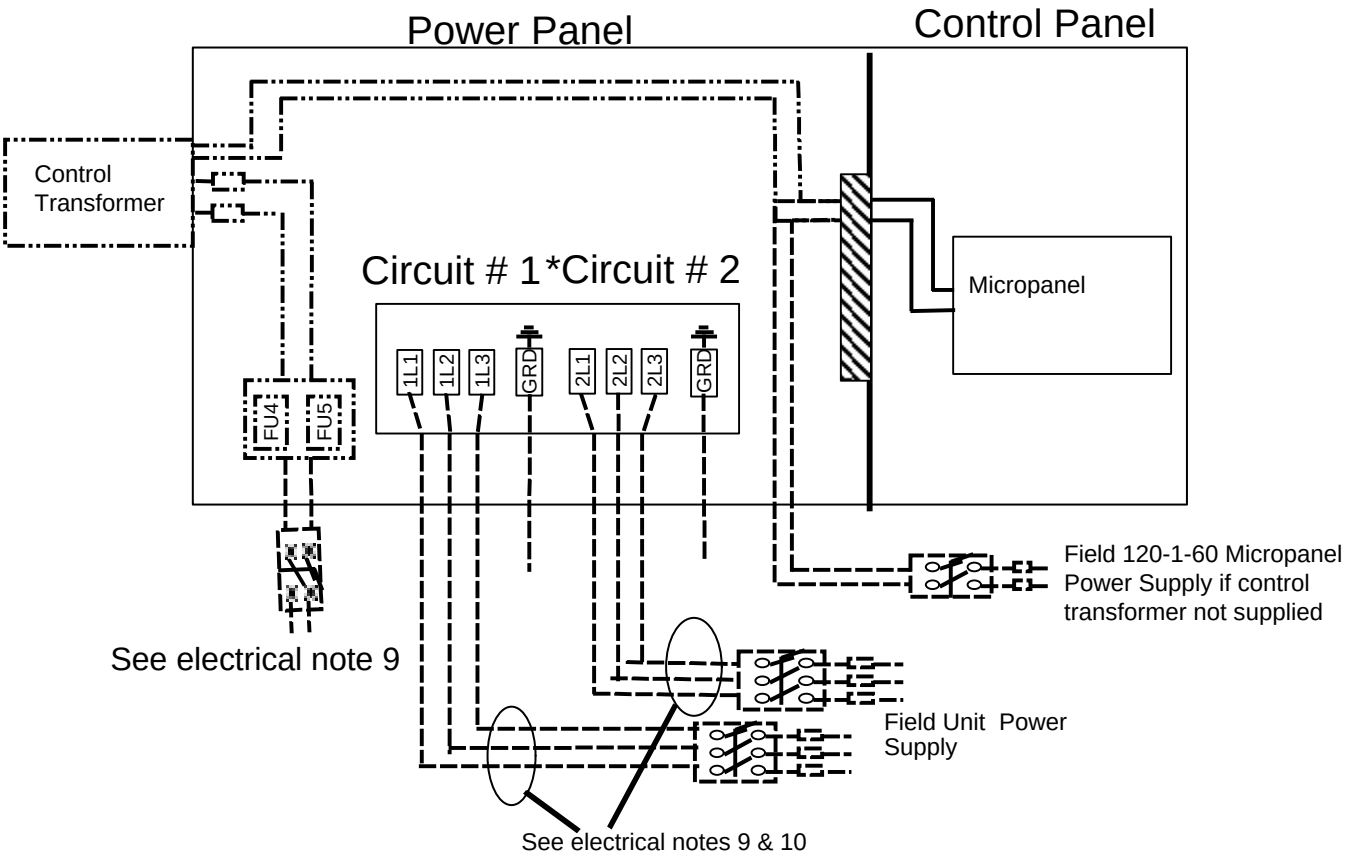
See Notes on page 4.

ELECTRICAL DATA—OPTIONAL SINGLE POINT POWER
YCAL0064SC – YCAL0080SC

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

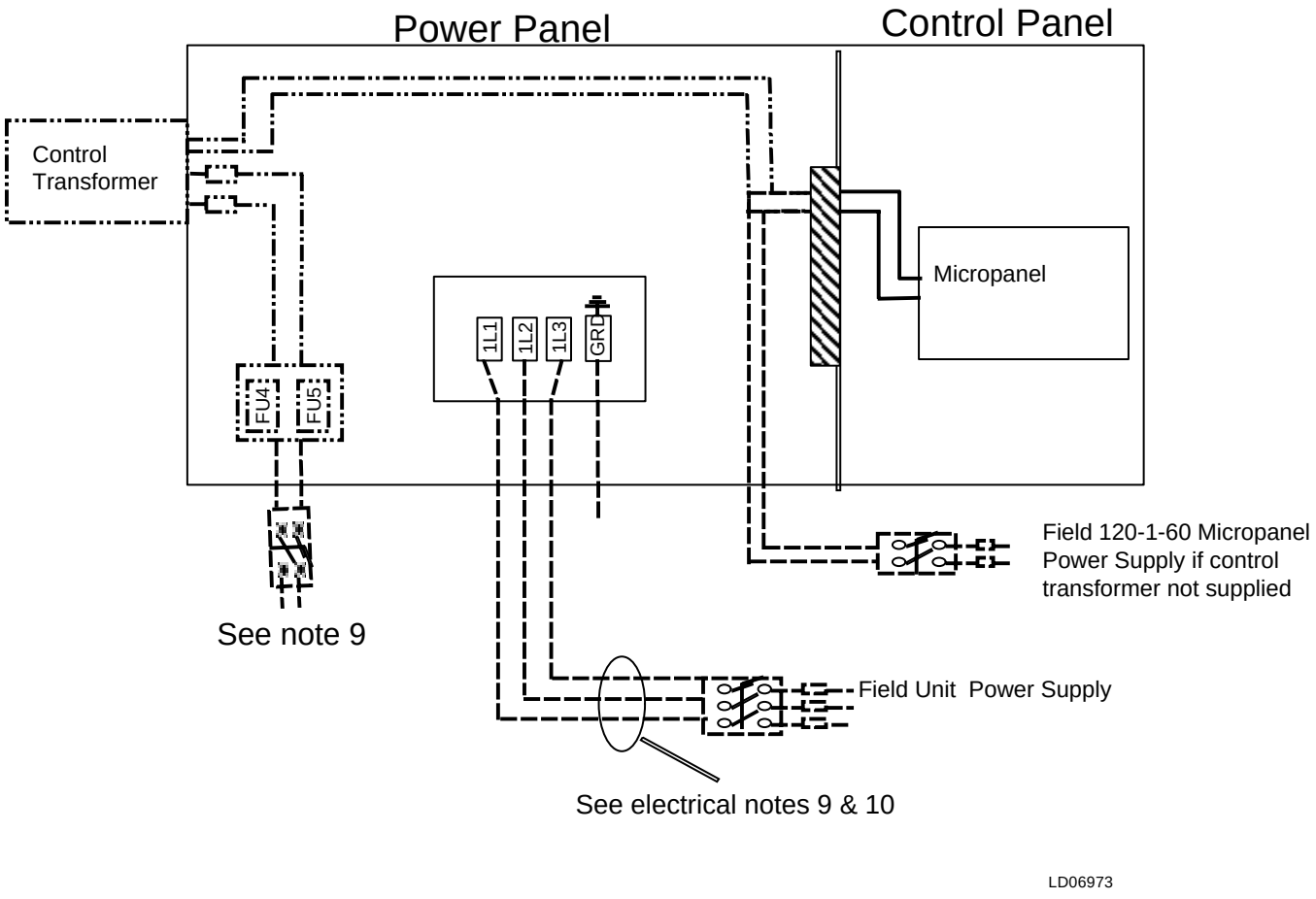
MULTI POINT POWER SUPPLY WIRING
STANDARD UNIT (0014–0080)



See Notes on page 4.

FIG. 1 – POWER WIRING

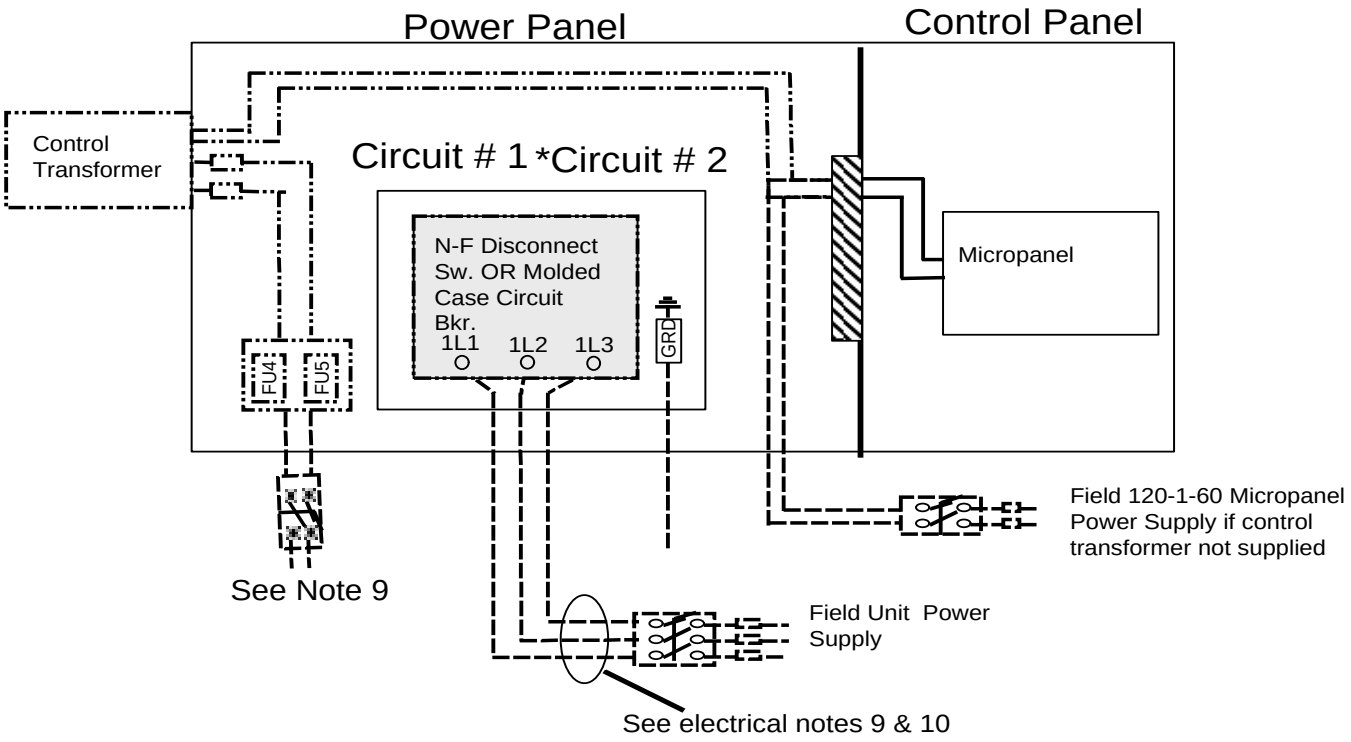
OPTIONAL SINGLE POWER SUPPLY WIRING (0040–0080)



See Notes on page 4.

FIG. 2 – POWER WIRING (Cont'd)

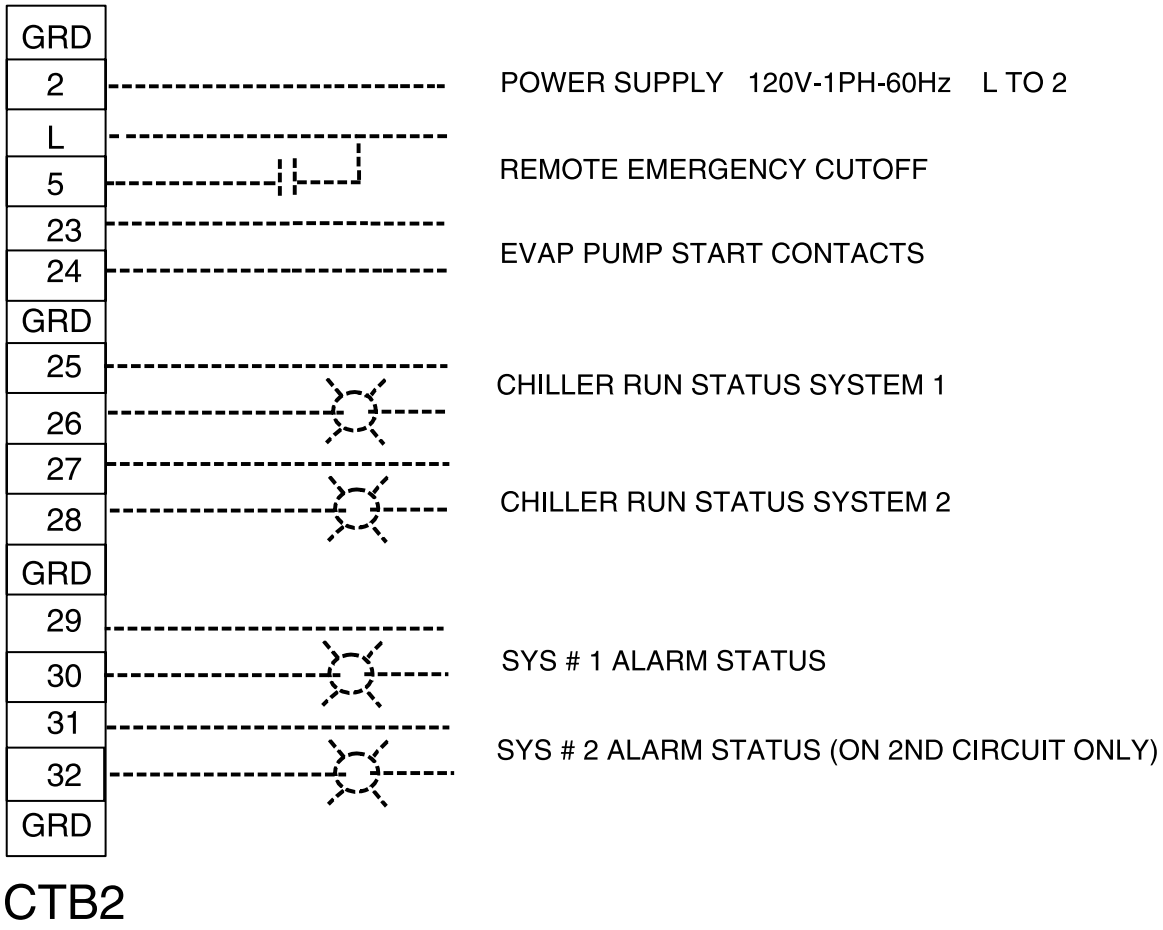
OPTIONAL SINGLE POINT POWER WIRING
N-F DISC SW OR CIR BKR
(0014– 0080)



See Notes on page 4.

FIG. 3 – POWER WIRING (Cont'd)

CONTROL INTERFACE WIRING—TERMINAL STRIP



See Notes on page 4.

FIG. 4 – CONTROL WIRING

ELEMENTARY DIAGRAM
YCAL0014SC – YCAL0020SC

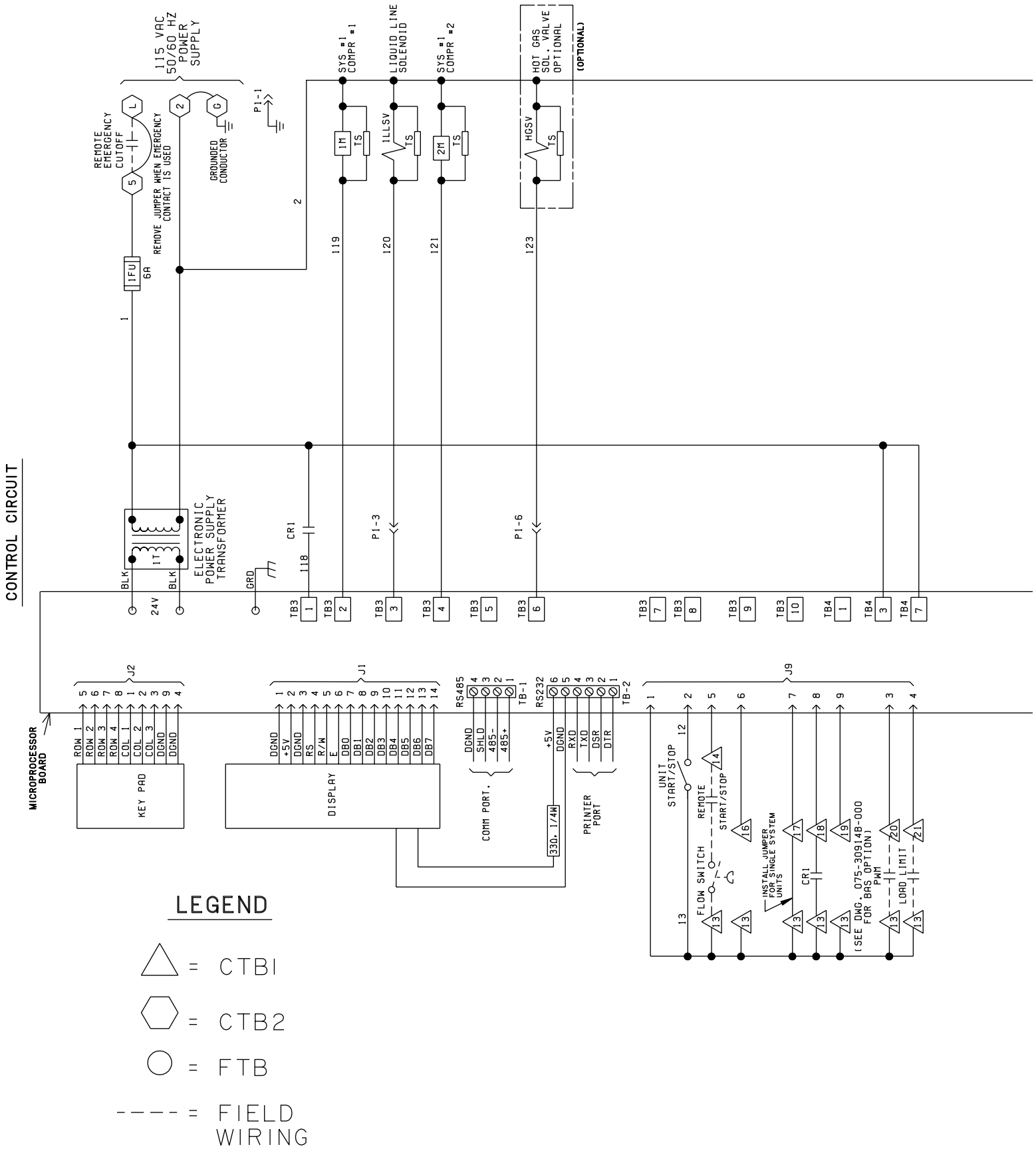


FIG. 5 – ELEMENTARY DIAGRAM

ELEMENTARY DIAGRAM
YCAL0014SC – YCAL0020SC

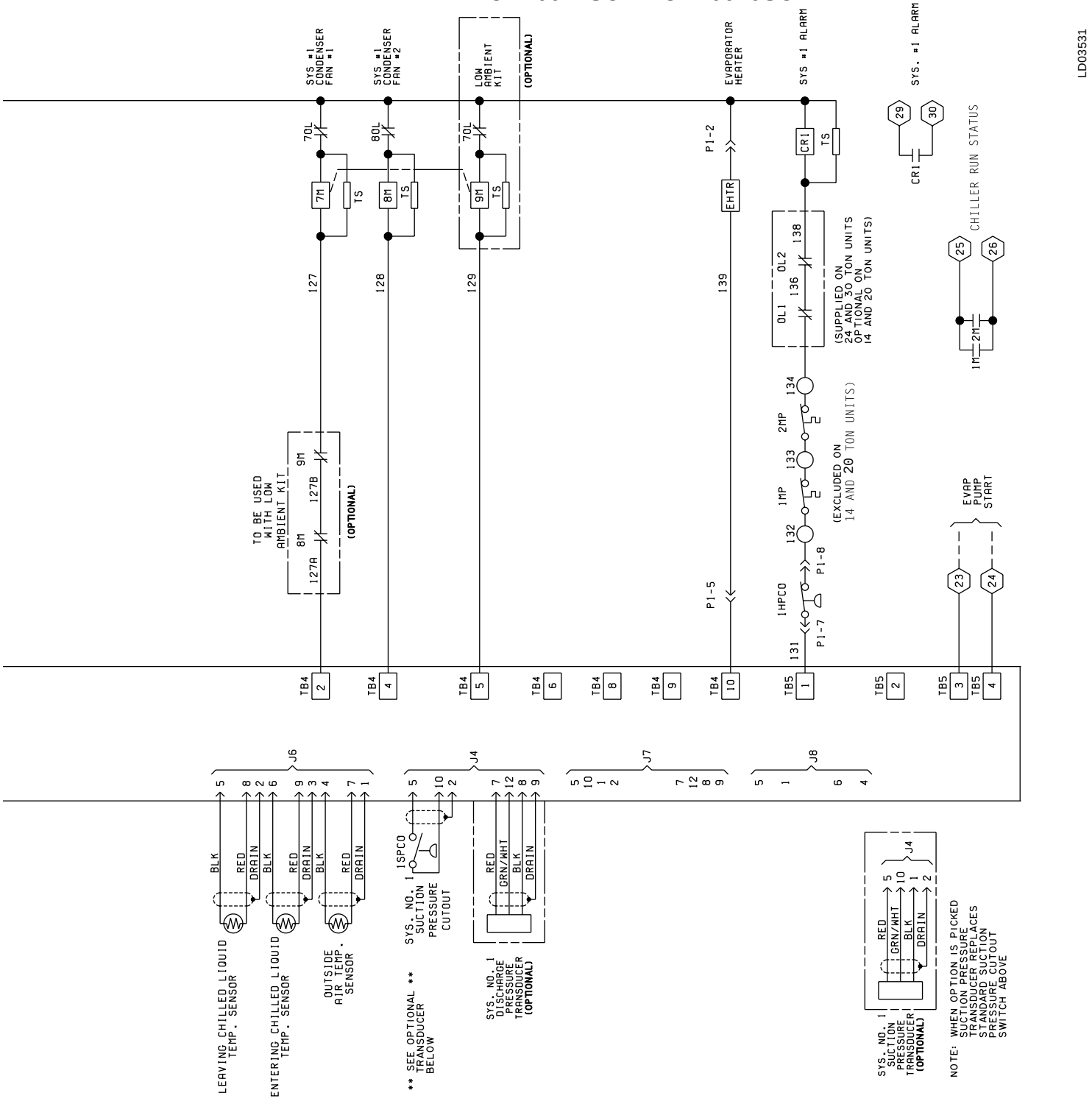


FIG. 5 – ELEMENTARY DIAGRAM (Cont'd)

ELEMENTARY DIAGRAM
YCAL0014SC – YCAL0020SC

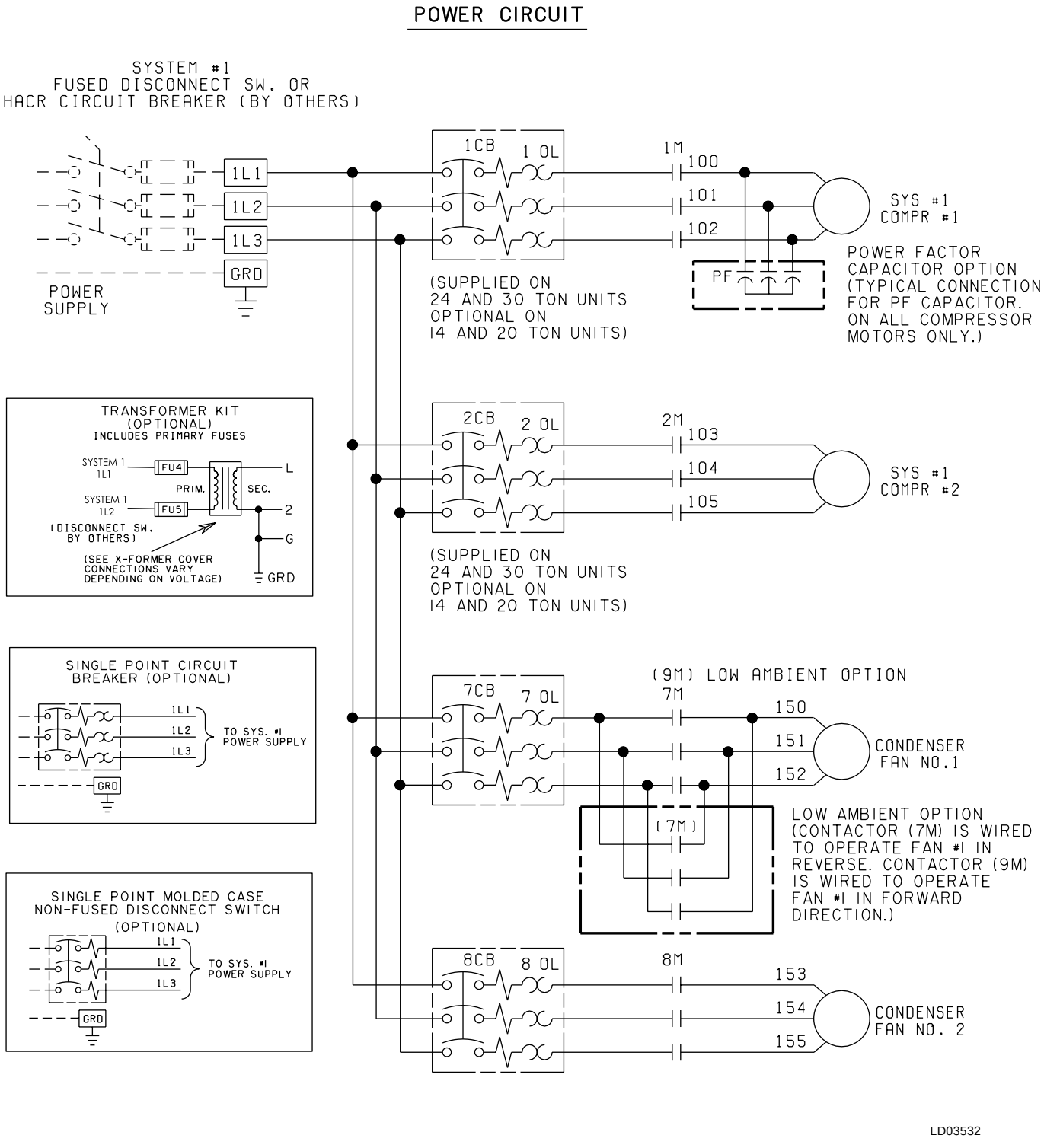


FIG. 6 – ELEMENTARY DIAGRAM

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ELEMENTARY DIAGRAM
YCAL0024SC AND YCAL0034SC

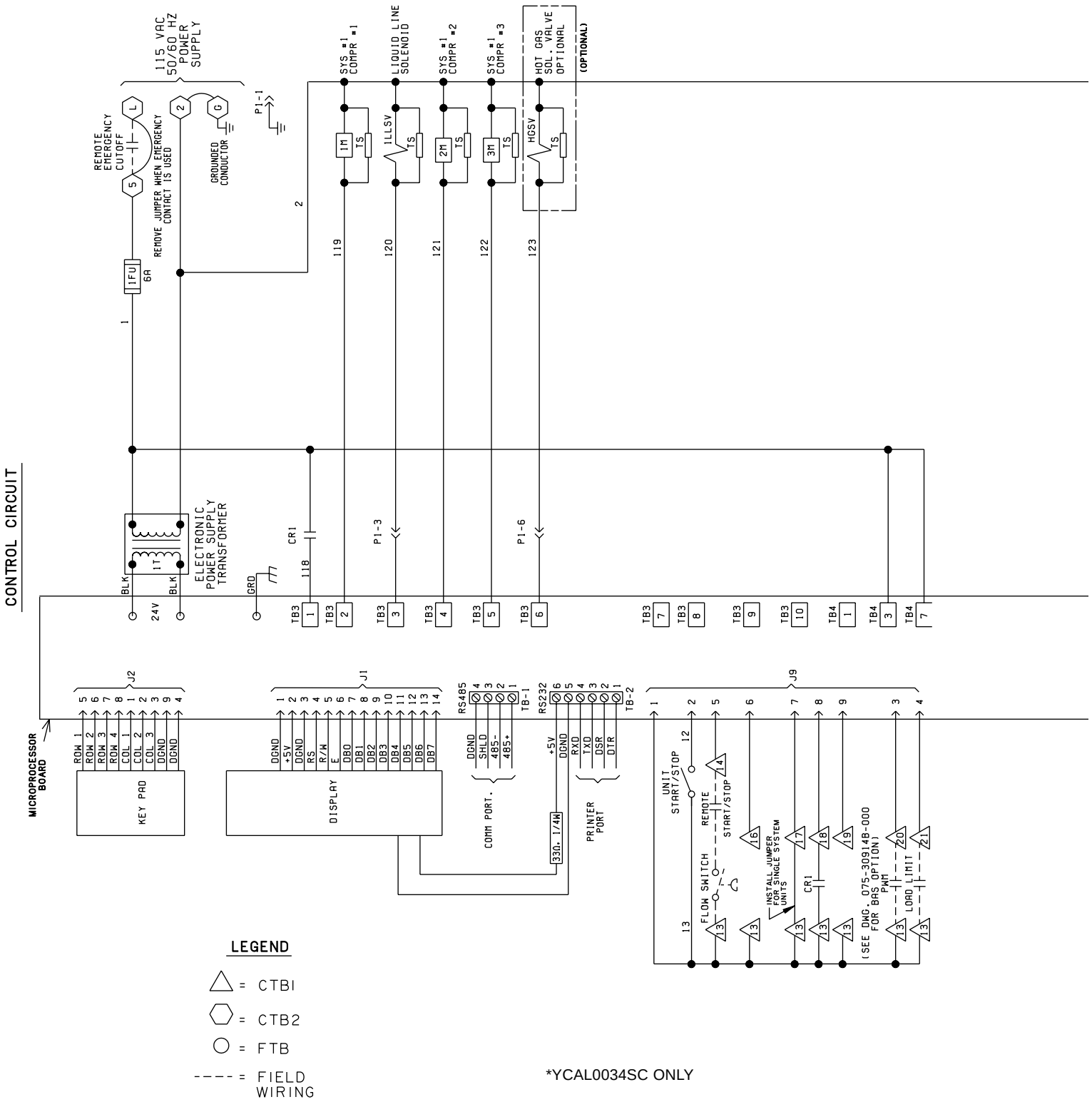


FIG. 7 – ELEMENTARY DIAGRAM

ELEMENTARY DIAGRAM
YCAL0024SC AND YCAL0034SC

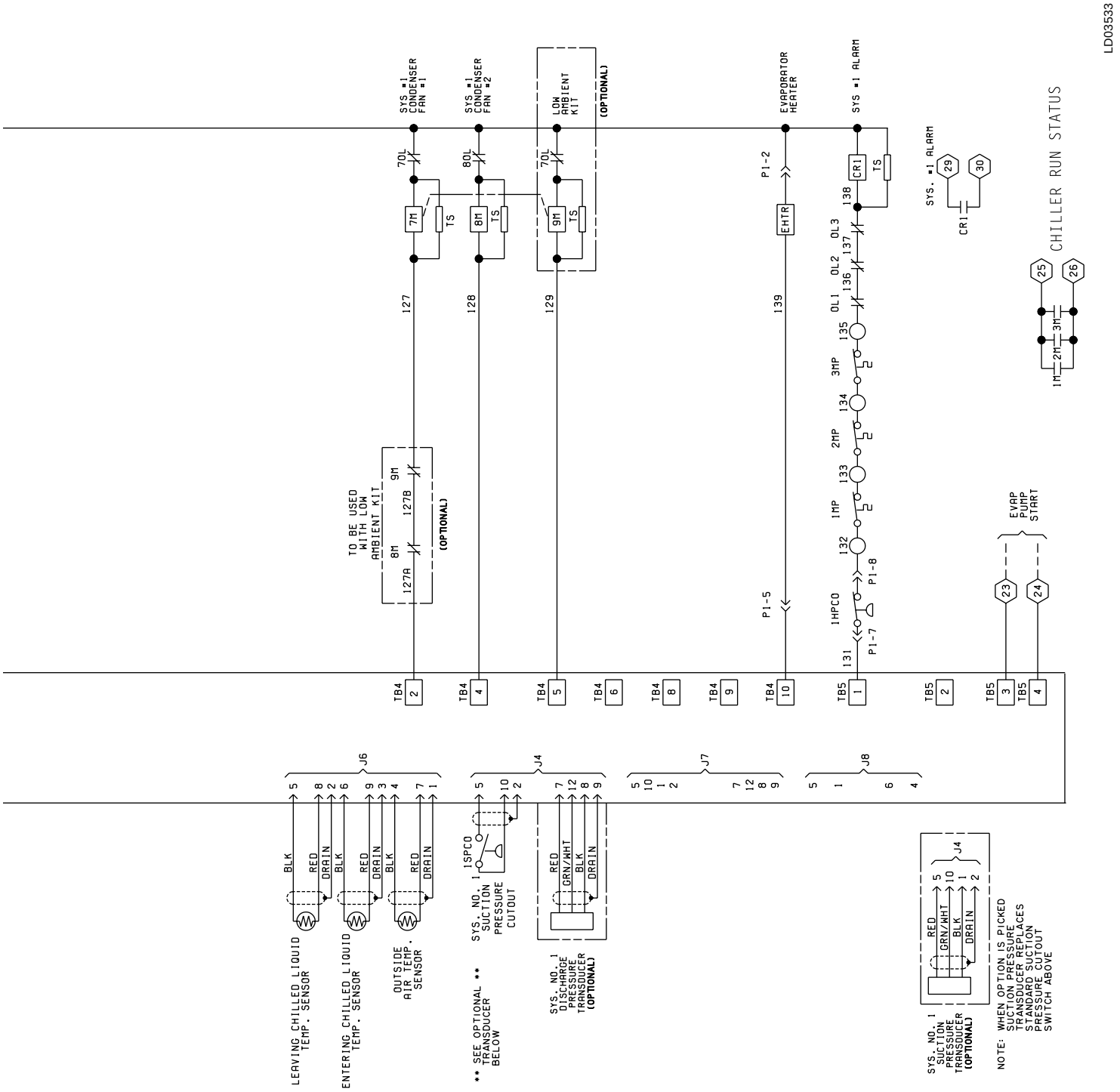
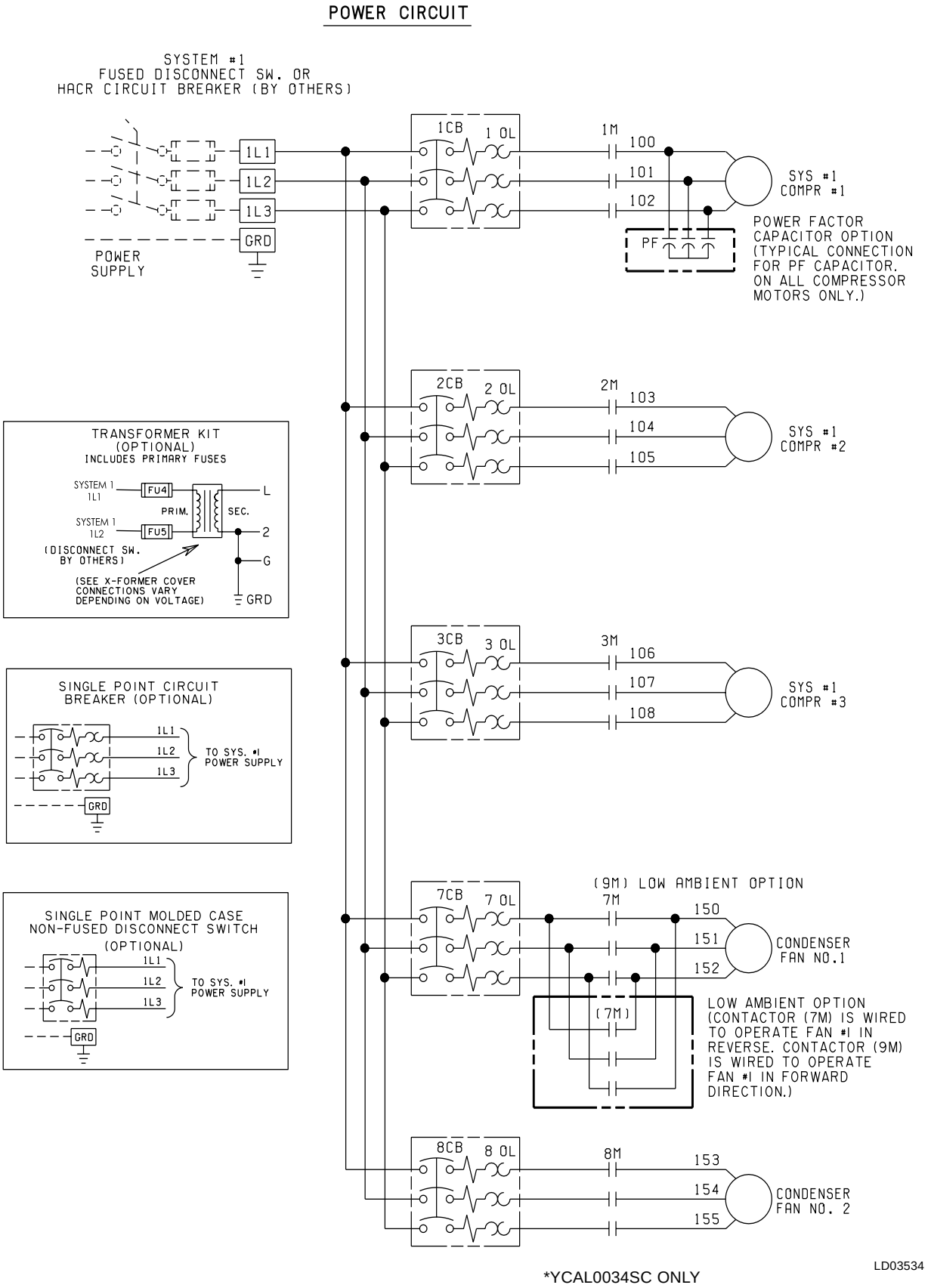


FIG. 7 – ELEMENTARY DIAGRAM (Cont'd)

ELEMENTARY DIAGRAM
YCAL0024SC AND YCAL0034SC



*YCAL0034SC ONLY

FIG. 8 – ELEMENTARY DIAGRAM

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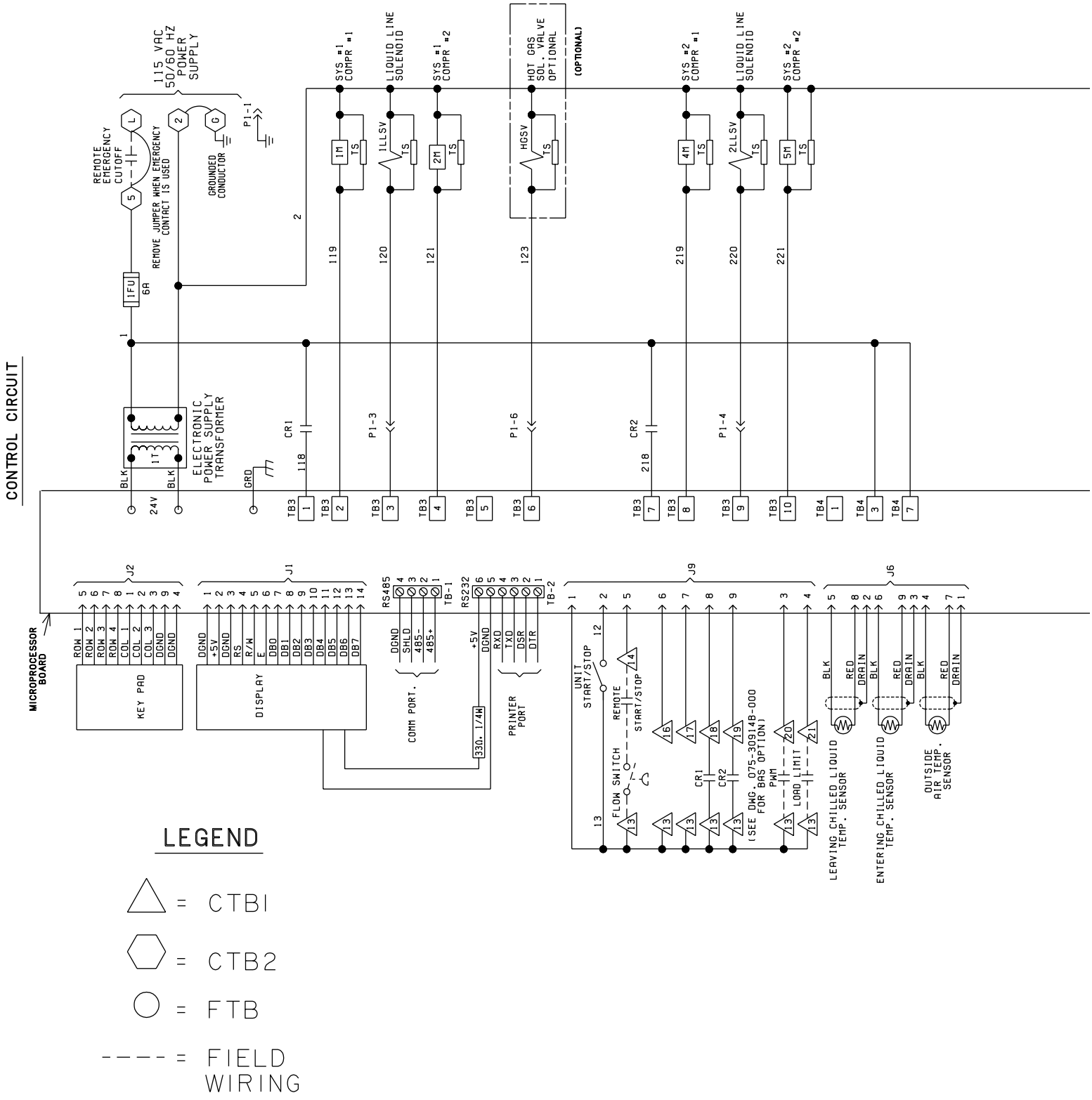
ELEMENTARY DIAGRAM
YCAL0040SC – YCAL0060SC



LEGEND

△ = CTB1

⬡ = CTB2

○ = FTB

– – – – = FIELD WIRING

FIG. 9 – ELEMENTARY DIAGRAM

ELEMENTARY DIAGRAM
YCAL0040SC – YCAL0060SC

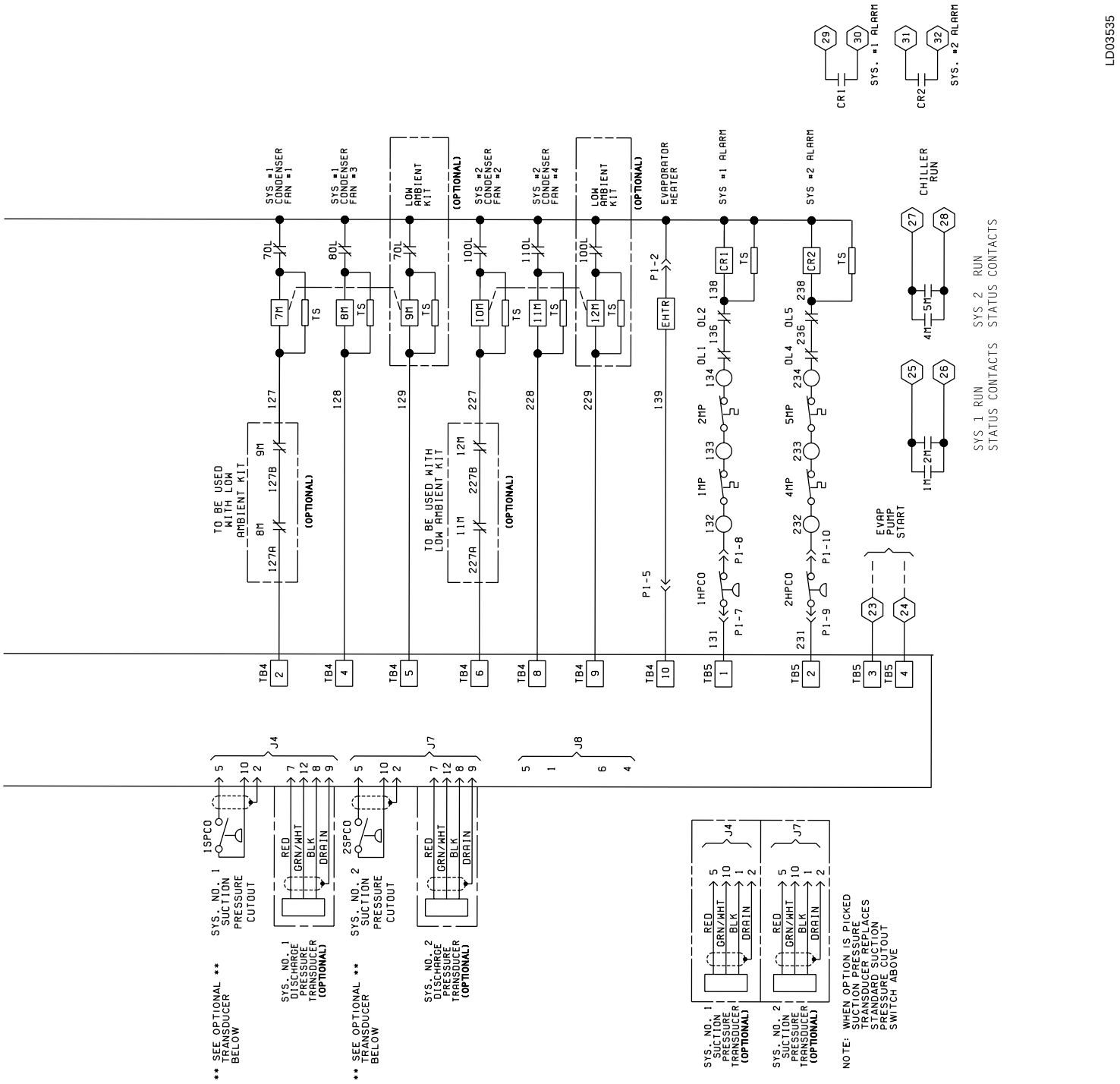


FIG. 9 – ELEMENTARY DIAGRAM (Cont'd)

ELEMENTARY DIAGRAM
YCAL0040SC – YCAL0060SC

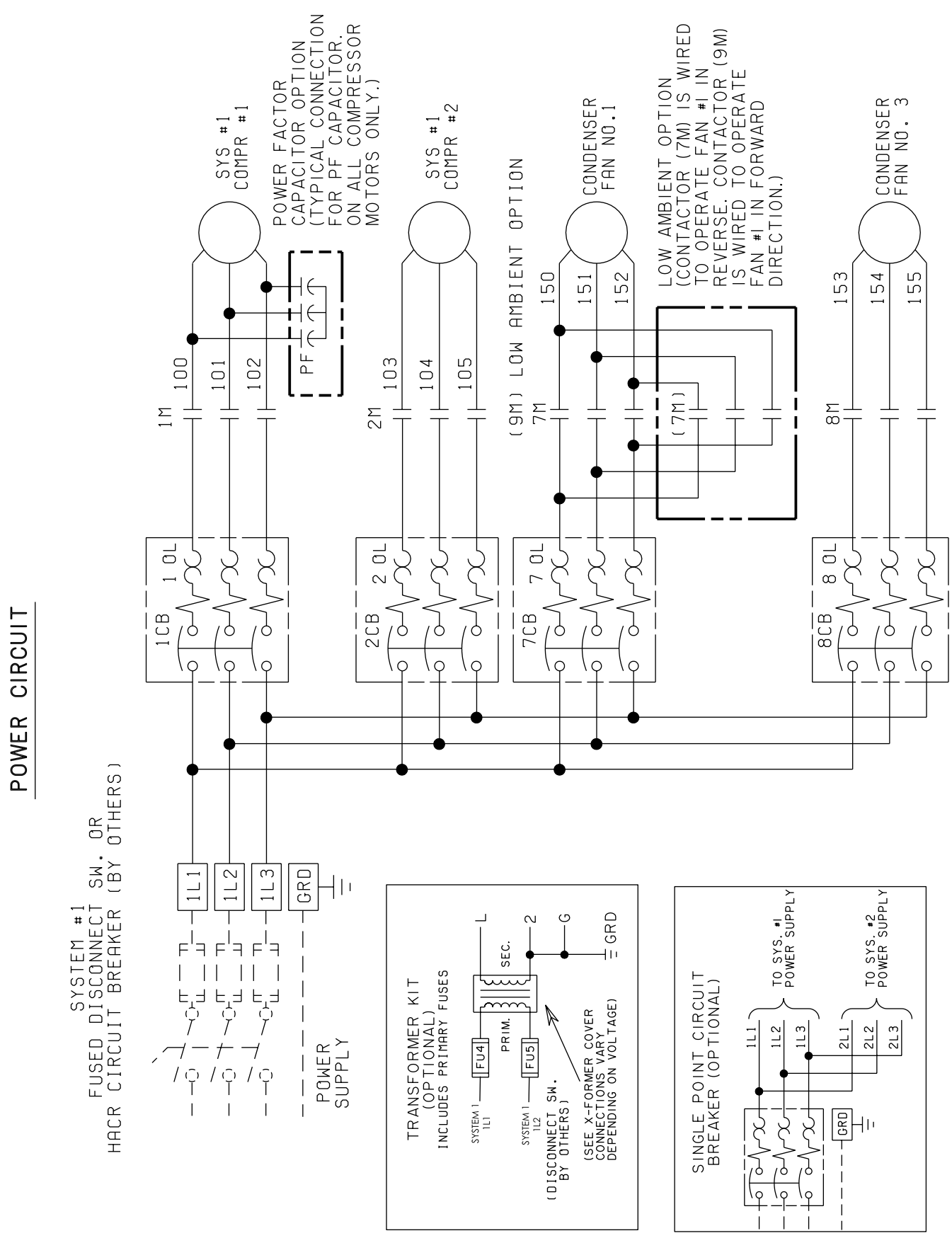


FIG. 10 – ELEMENTARY DIAGRAM

ELEMENTARY DIAGRAM
YCAL0040SC – YCAL0060SC

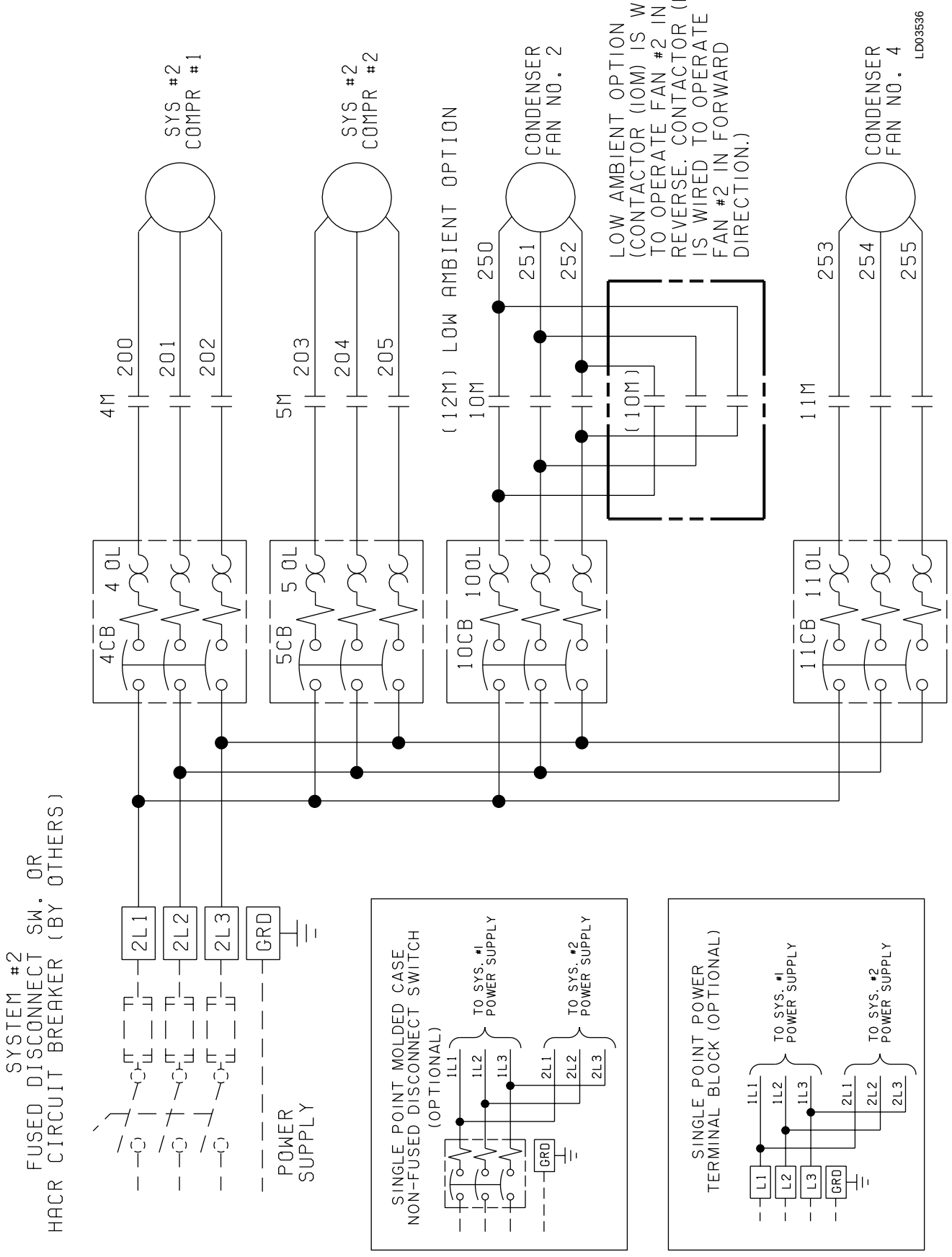


FIG. 10 – ELEMENTARY DIAGRAM

ELEMENTARY DIAGRAM
YCAL0064SC – YCAL0080SC

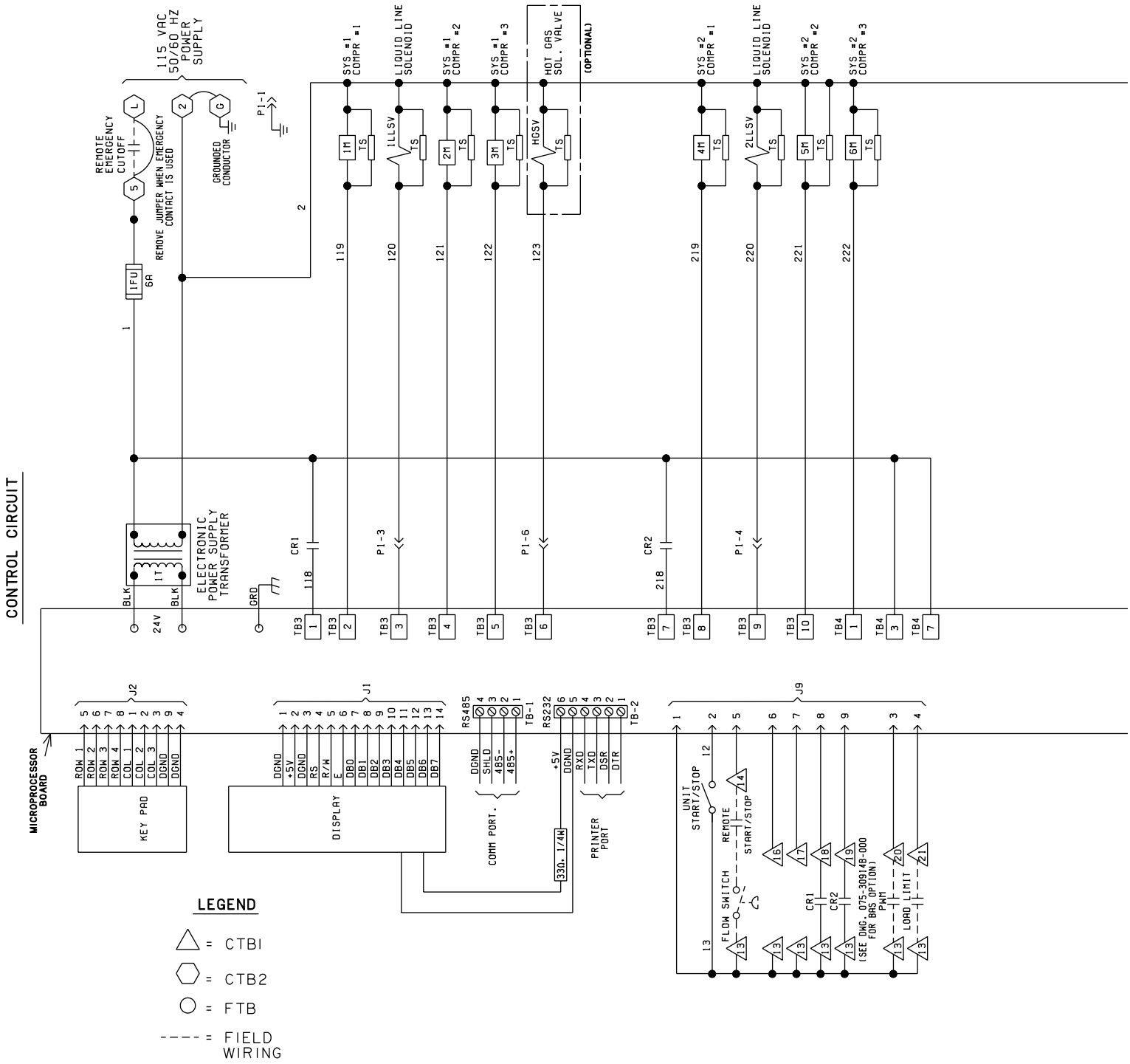


FIG. 11 – ELEMENTARY DIAGRAM

ELEMENTARY DIAGRAM
YCAL0064SC – YCAL0080SC

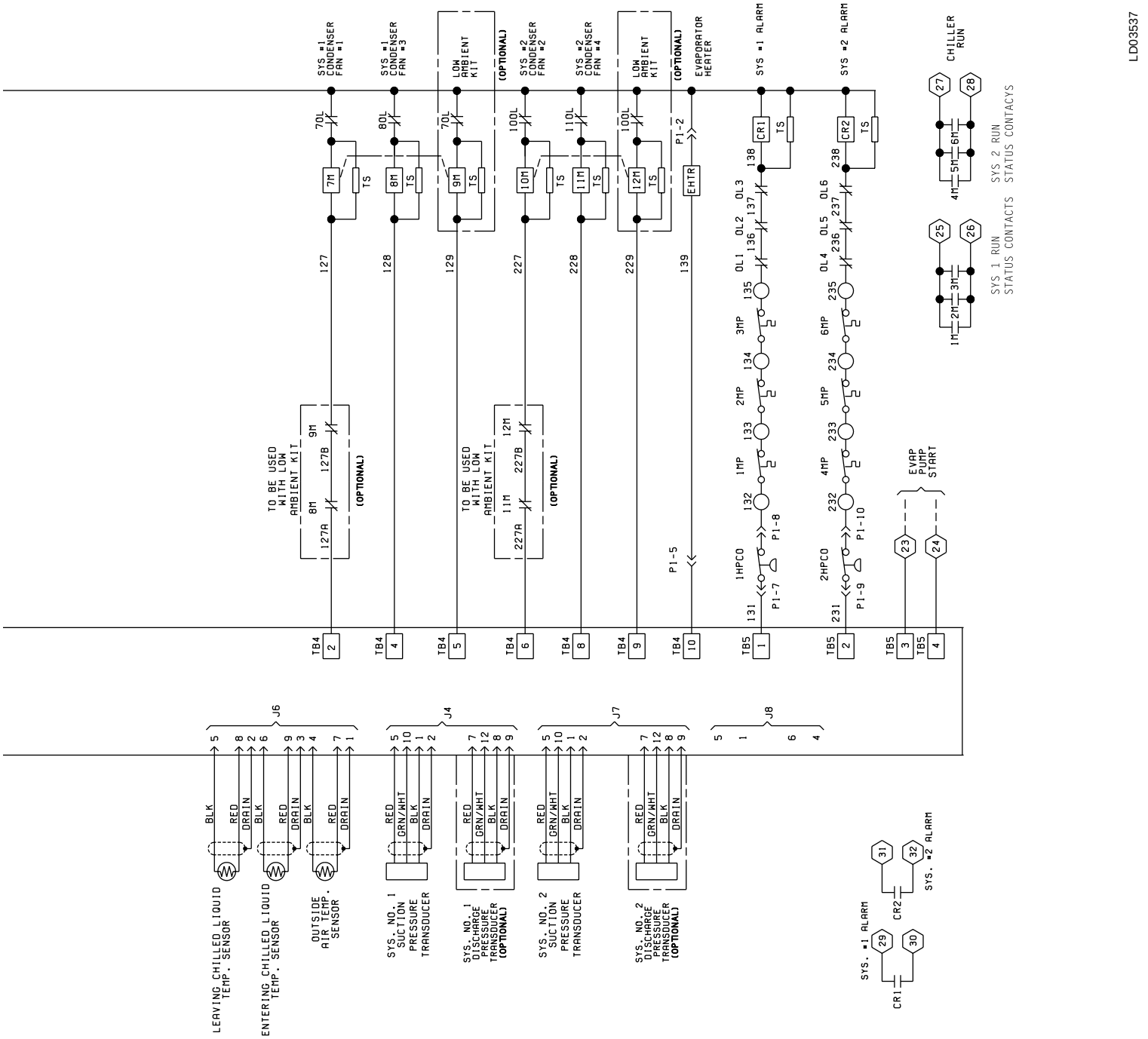


FIG. 11 – ELEMENTARY DIAGRAM (Cont'd)

ELEMENTARY DIAGRAM
YCAL0064SC – YCAL0080SC

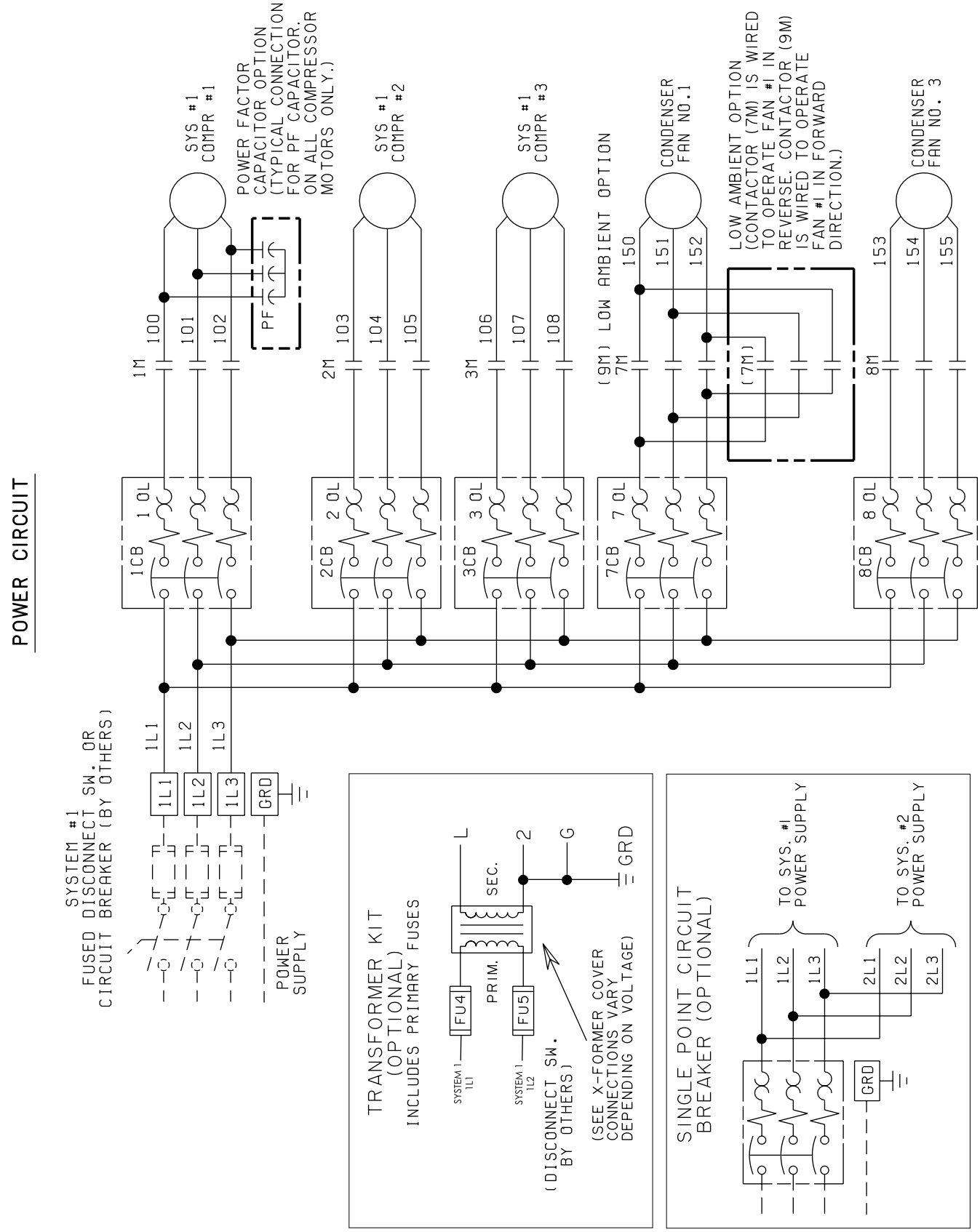


FIG. 12 – ELEMENTARY DIAGRAM

ELEMENTARY DIAGRAM
YCAL0064SC – YCAL0080SC

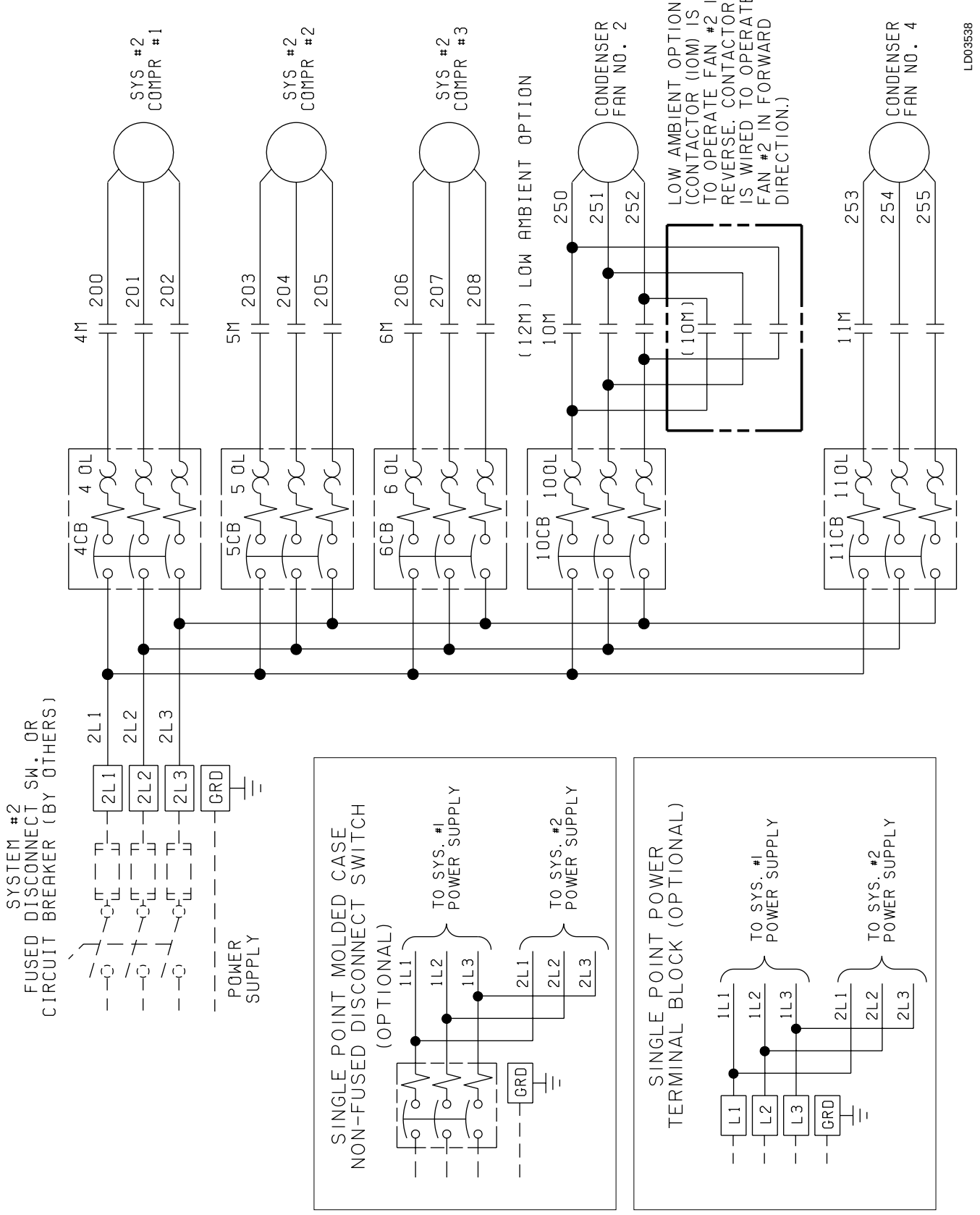
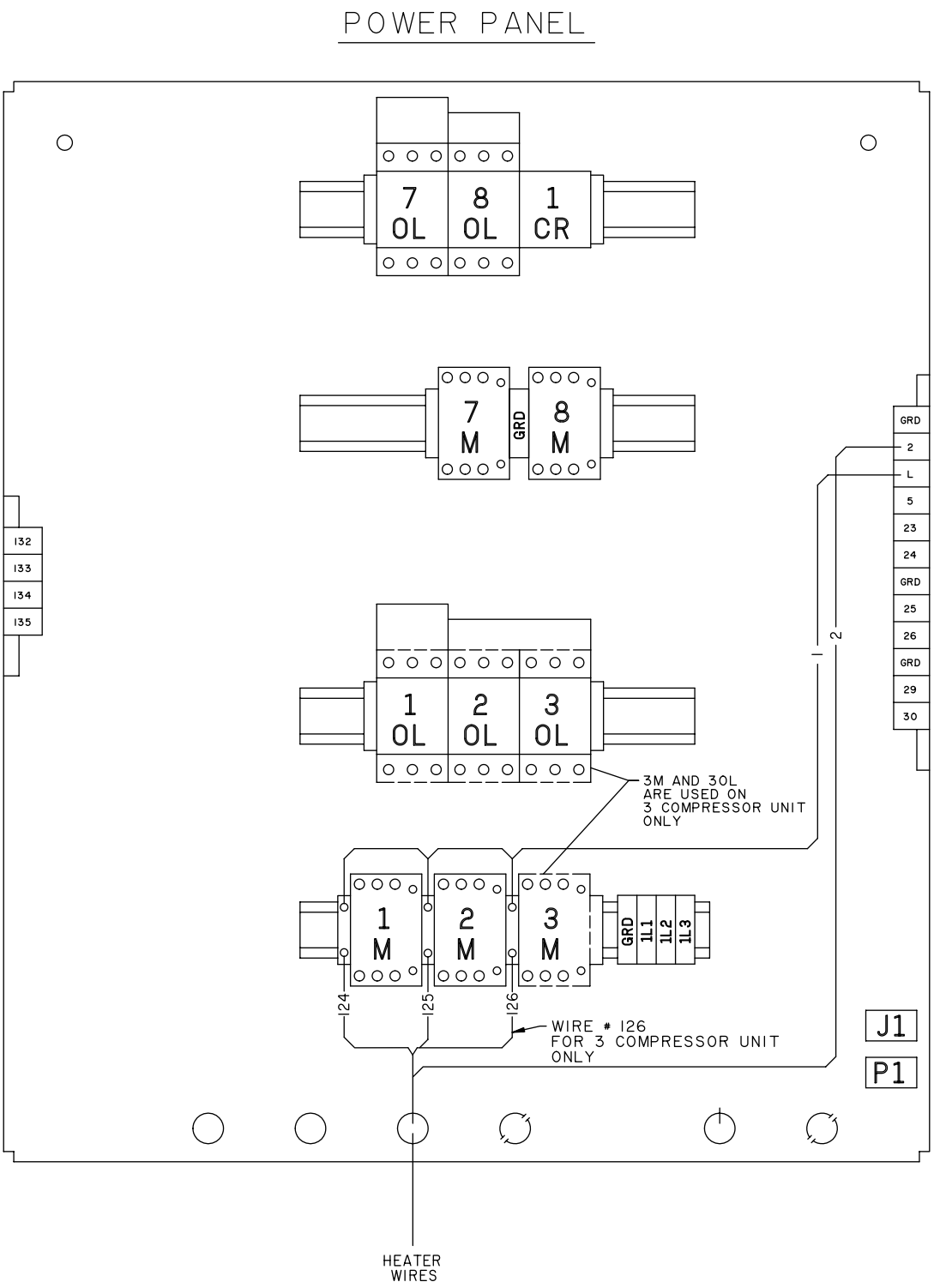


FIG. 12 – ELEMENTARY DIAGRAM (Cont'd)

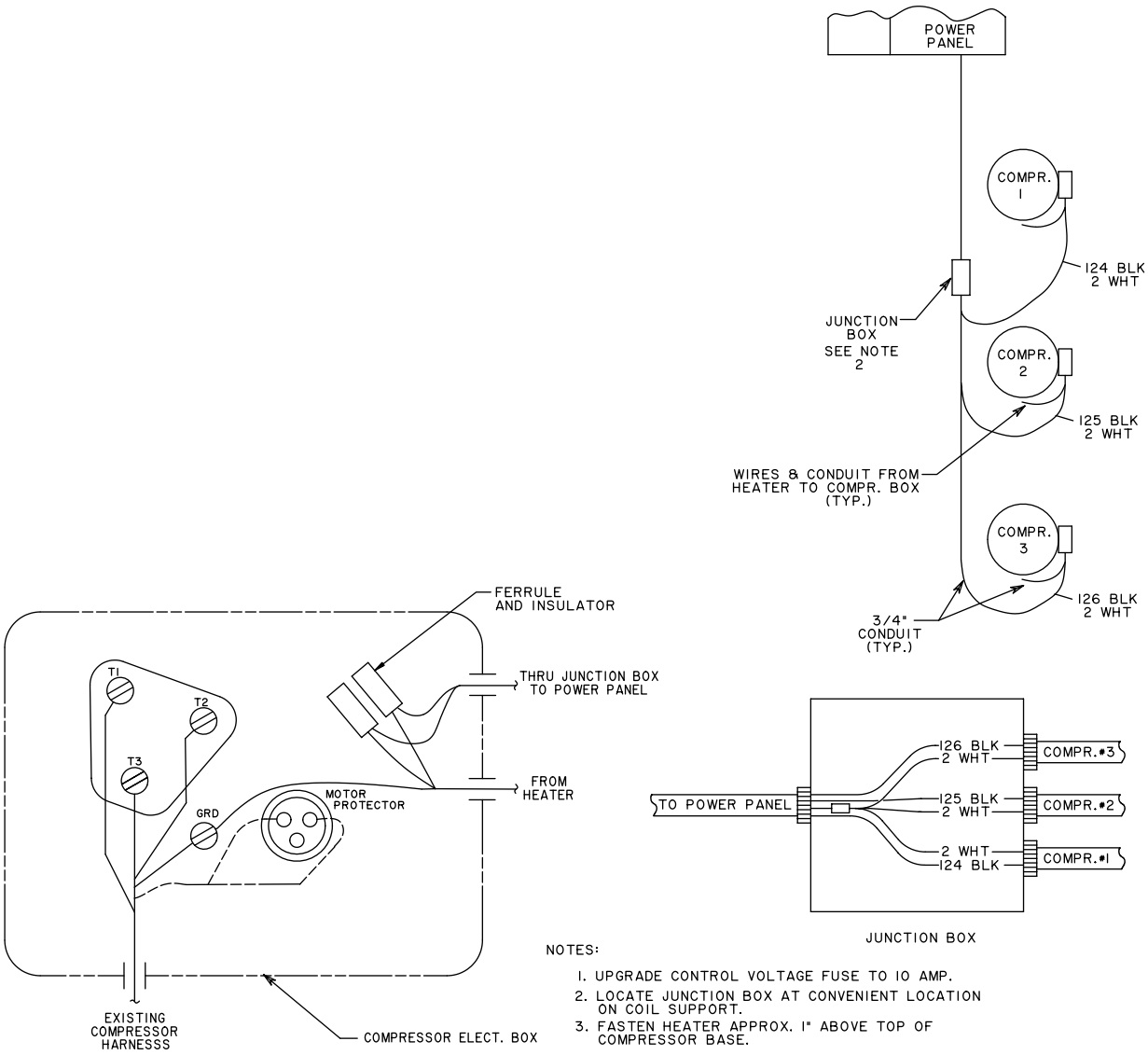
POWER PANEL
YCAL0014SC – YCAL0034SC



LD06985

FIG. 13 – POWER PANEL

POWER PANEL
YCAL0014SC – YCAL0034SC



NOTES:

1. UPGRADE CONTROL VOLTAGE FUSE TO 10 AMP.
2. LOCATE JUNCTION BOX AT CONVENIENT LOCATION ON COIL SUPPORT.
3. FASTEN HEATER APPROX. 1" ABOVE TOP OF COMPRESSOR BASE.

LD06986

POWER PANEL
YCAL0040SC – YCAL0060SC

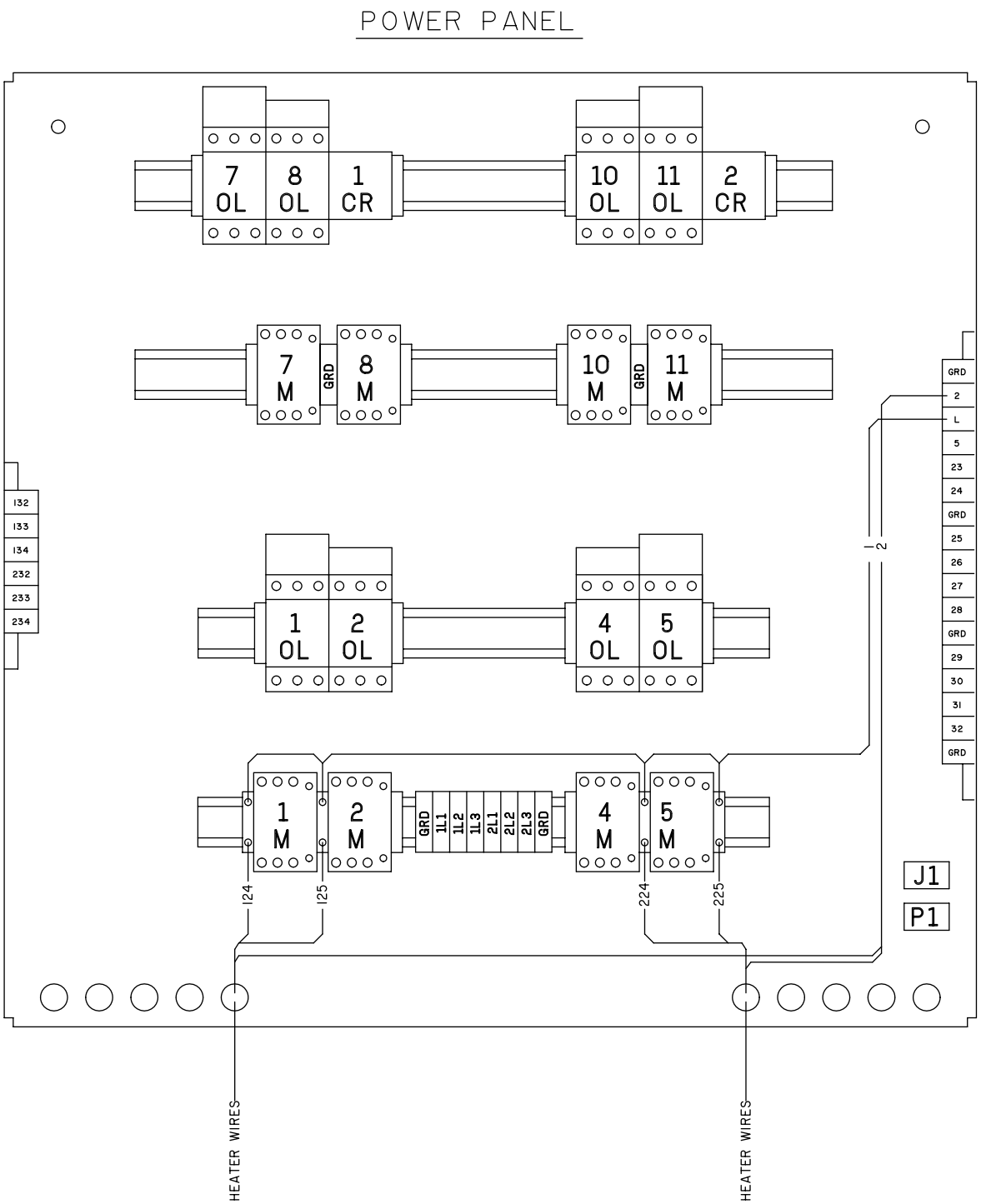


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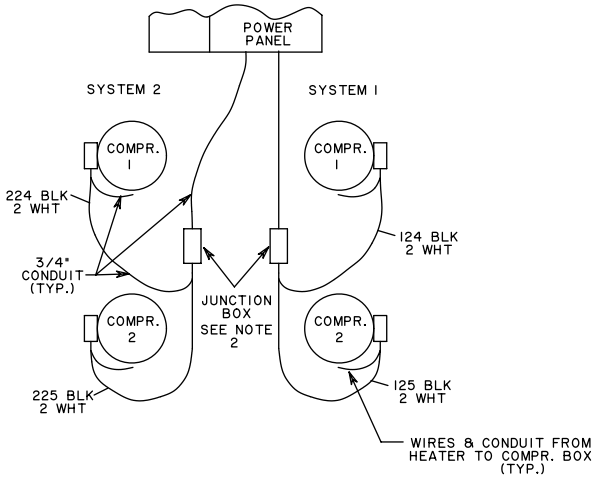
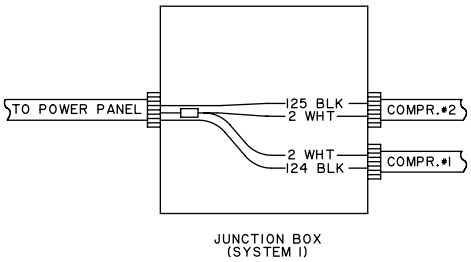
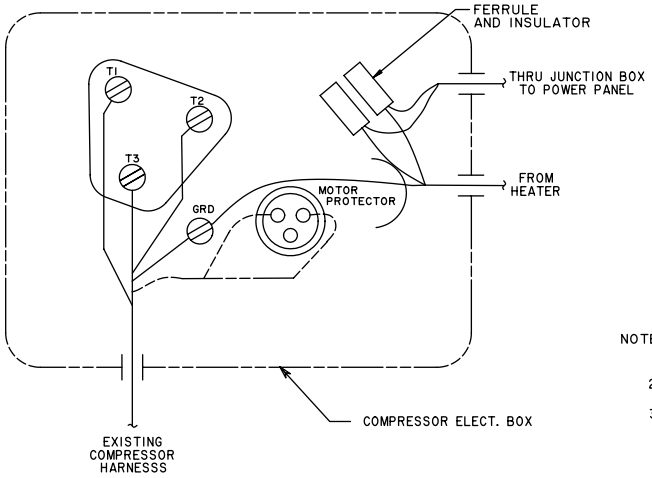
FIG. 14 – POWER PANEL

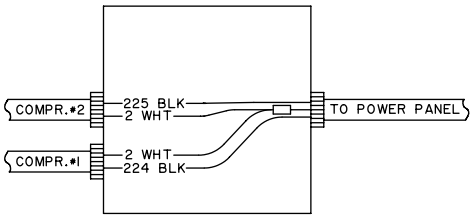
POWER PANEL
YCAL0040SC – YCAL0060SC





JUNCTION BOX
(SYSTEM 1)





JUNCTION BOX
(SYSTEM 2)

NOTES:

1. UPGRADE CONTROL VOLTAGE FUSE TO 10 AMP.
2. LOCATE JUNCTION BOX AT CONVENIENT LOCATION ON COIL SUPPORT.
3. FASTEN HEATER APPROX. 1" ABOVE TOP OF COMPRESSOR BASE.

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POWER PANEL
YCAL0064SC – YCAL0080SC

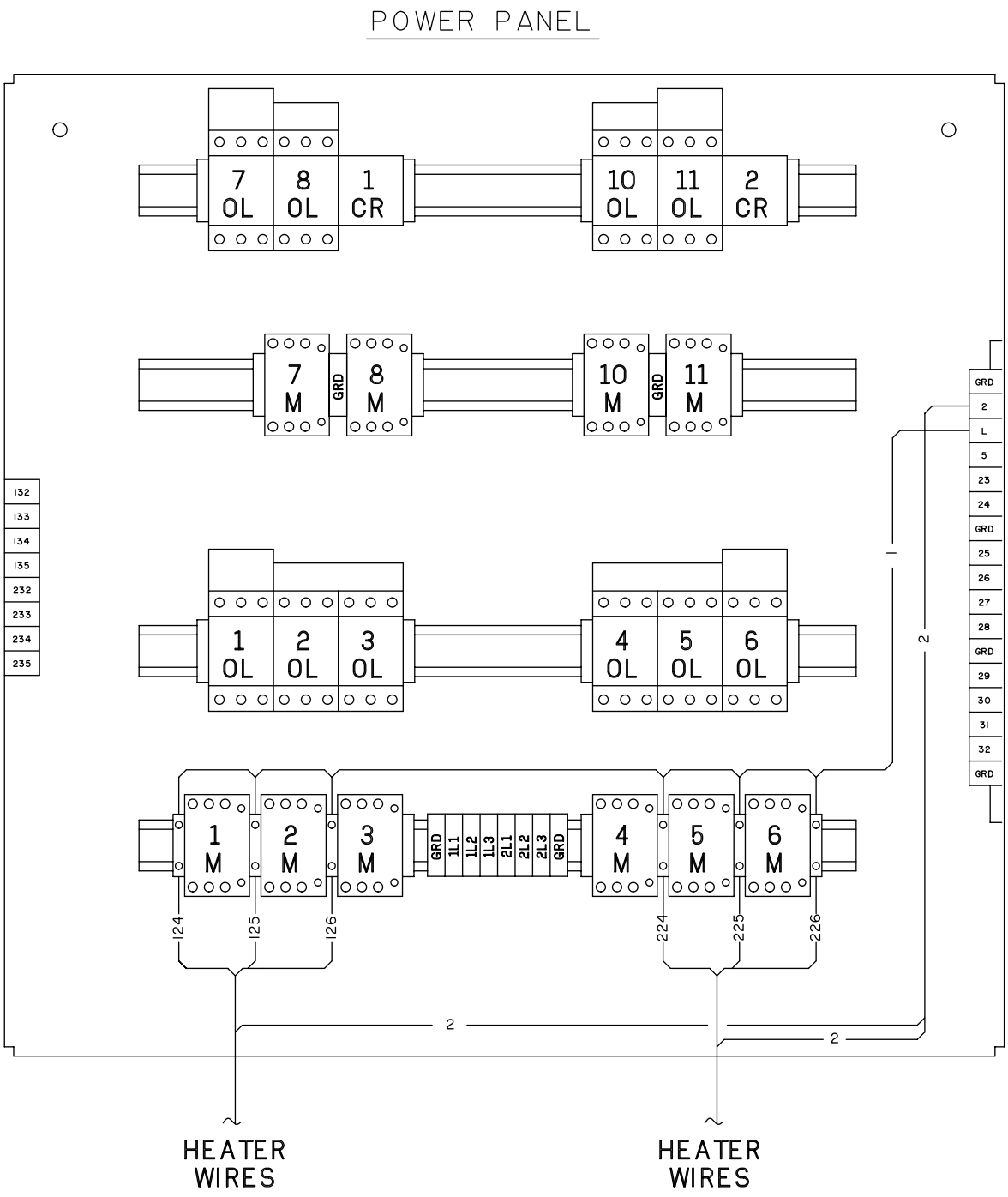

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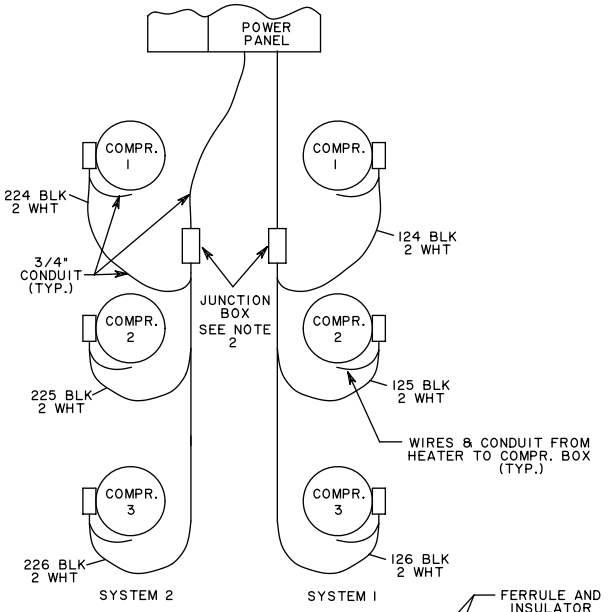
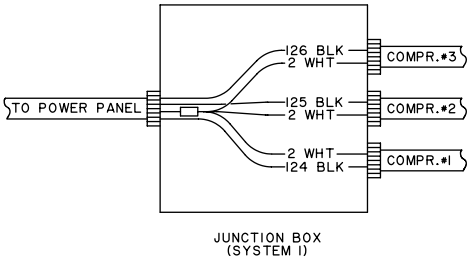
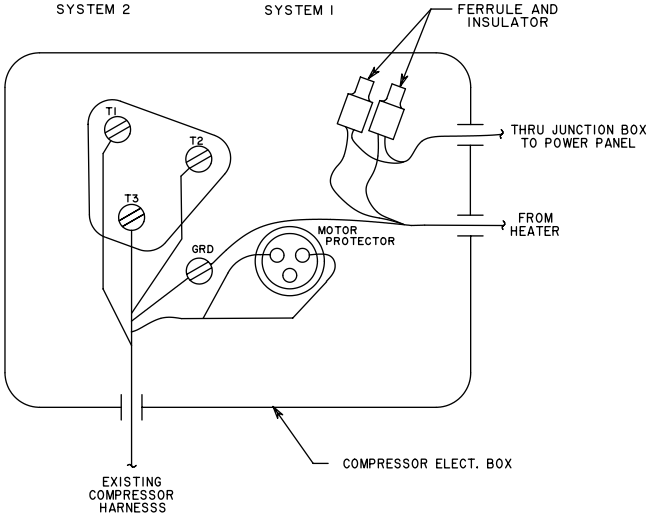
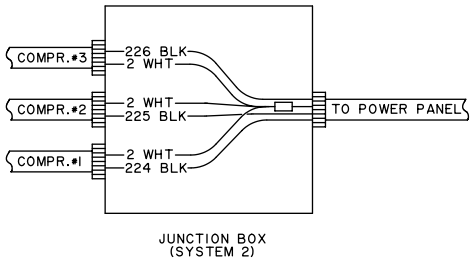
FIG. 15 – POWER PANEL

POWER PANEL
YCAL0064SC – YCAL0080SC









NOTES:

1. UPGRADE CONTROL VOLTAGE FUSE TO 10 AMP.
2. LOCATE JUNCTION BOX AT CONVENIENT LOCATION ON COIL SUPPORT.
3. FASTEN HEATER APPROX. 1" ABOVE TOP OF COMPRESSOR BASE.

LD06990

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Supersedes: 150.62-W1 (1198)