

Portable Dryer Wiring Diagrams

Wiring Diagrams Manual Revised March 1998

PNEG-381



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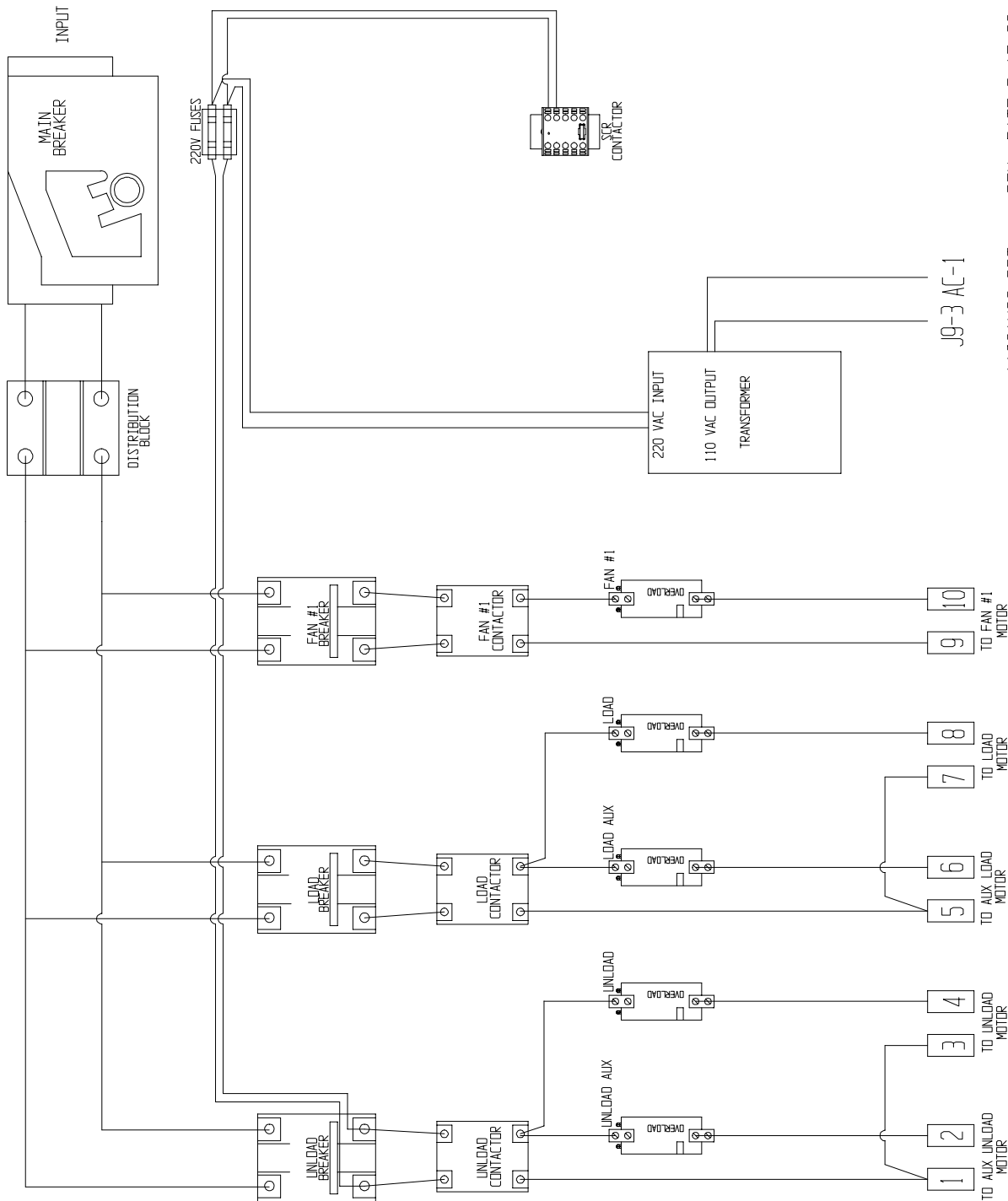
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1100 SERIES

CONTROL BOX
SCHEMATICS
AND
WIRING DIAGRAMS

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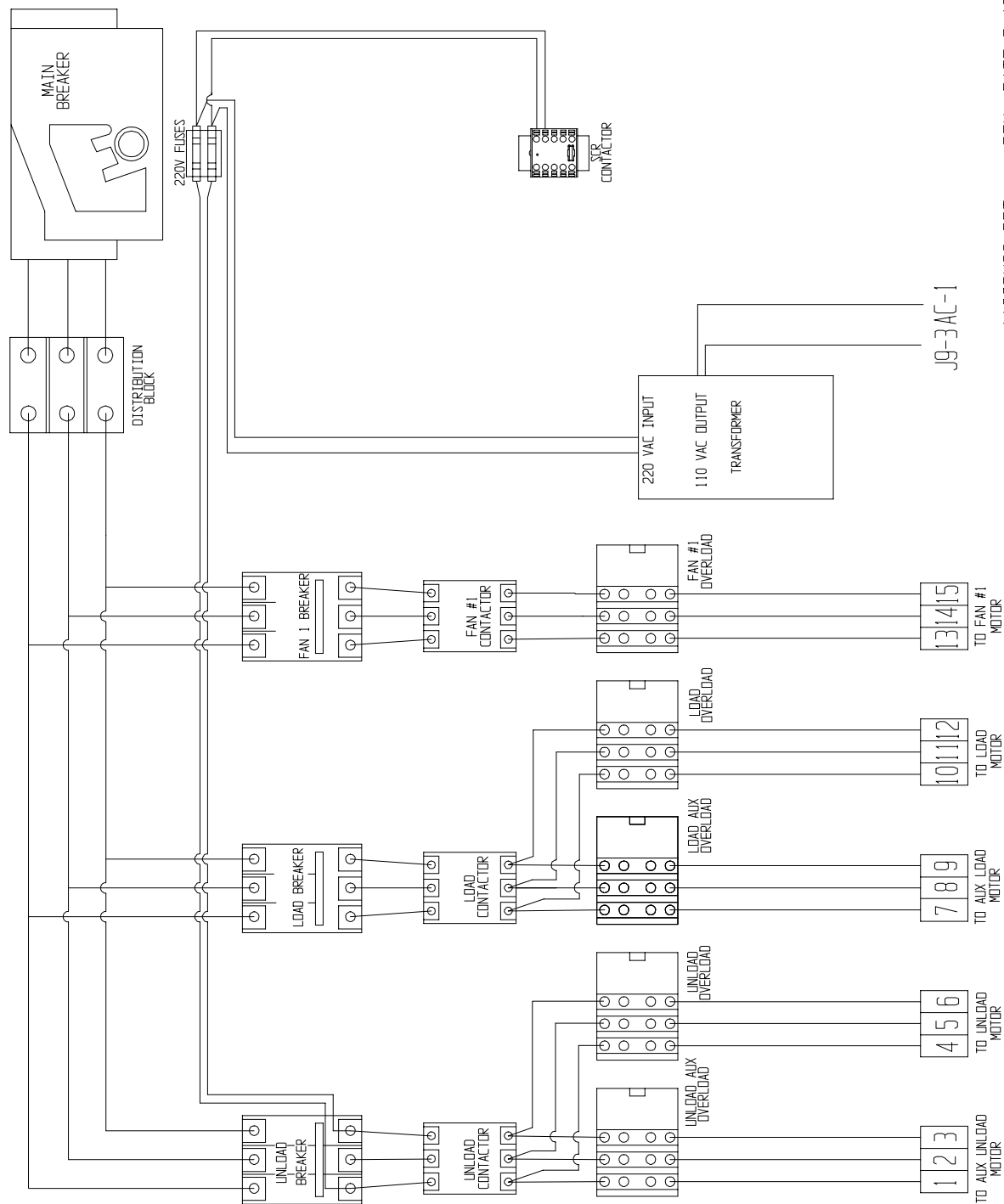
1100 Series Power Wiring



REV. DATE 3/17/98

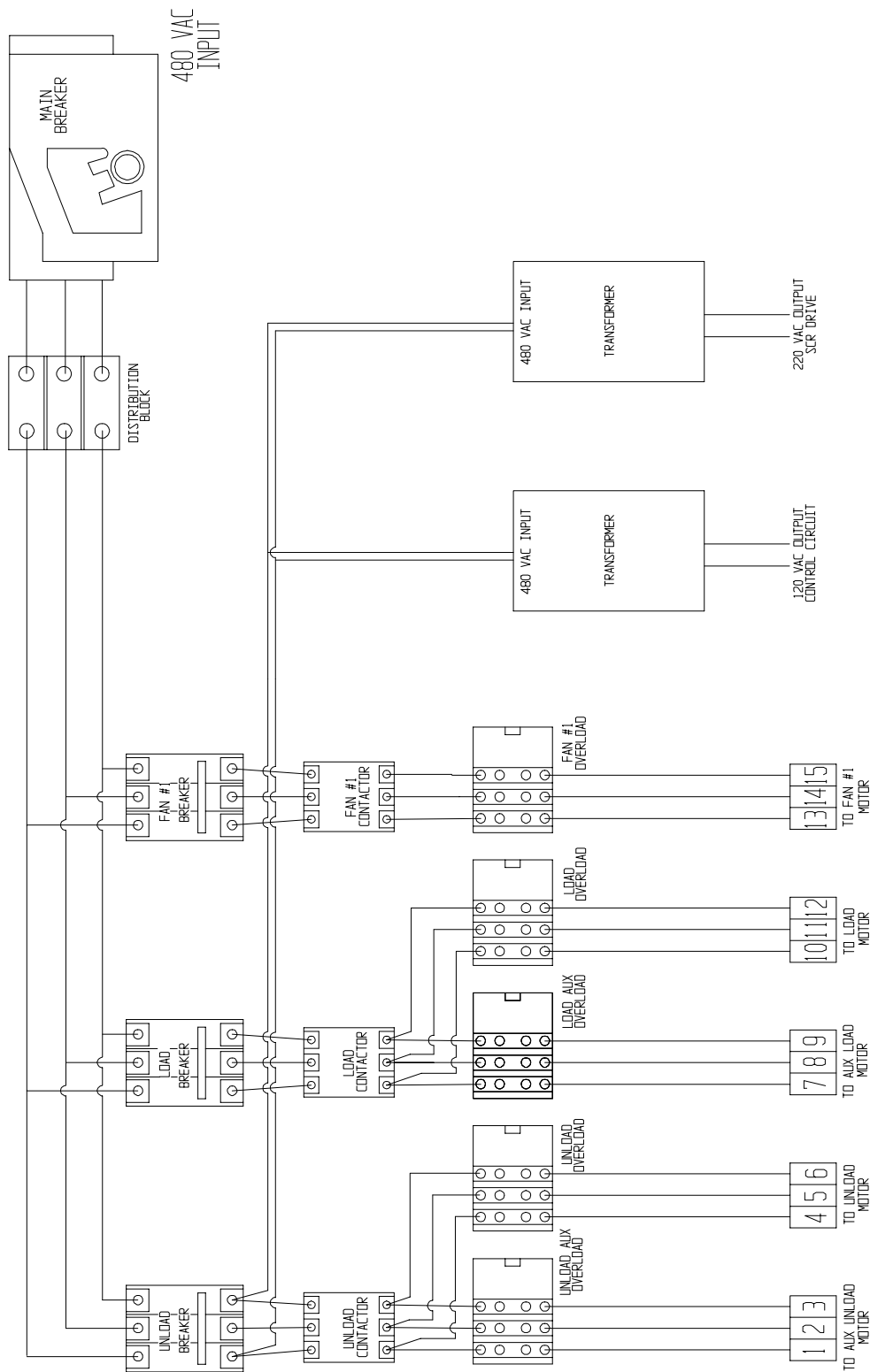
11001W98.PRT

1100 Series Power Wiring 3 Phase



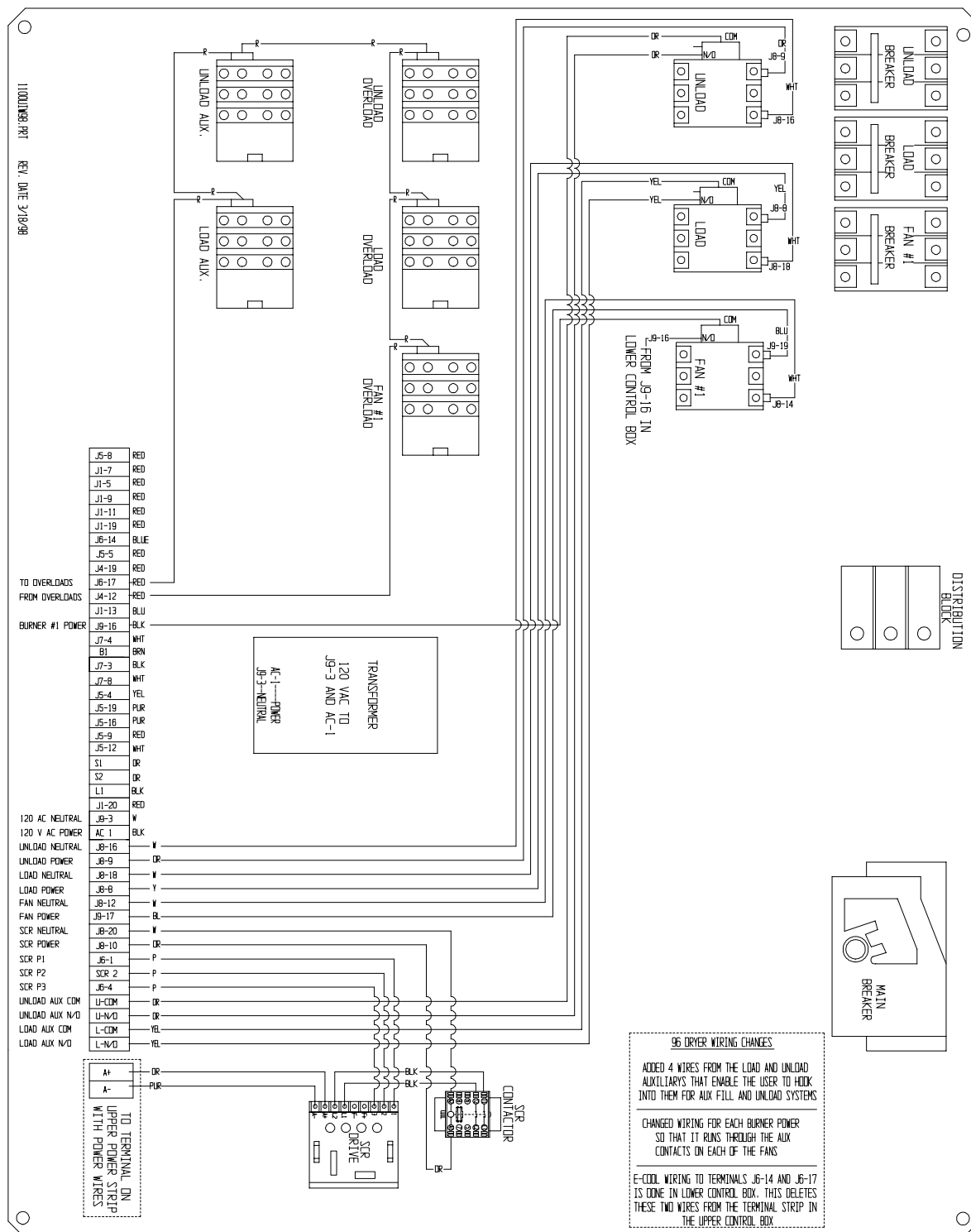
11003W98.PRT REV. DATE 3/17/98

1100 Series 440 Volt 3 Phase Power Wiring

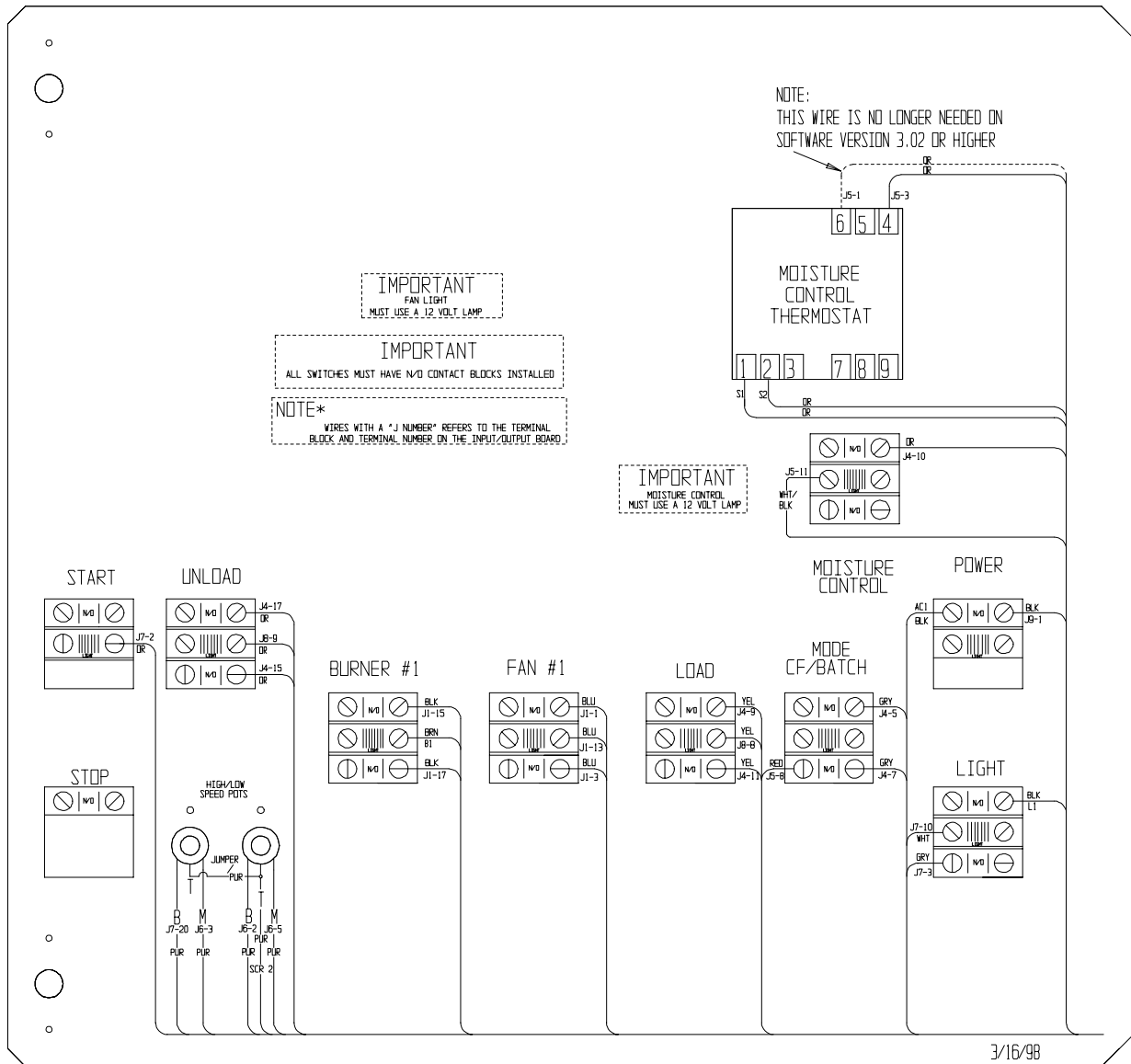


REV. DATE 3/16/98

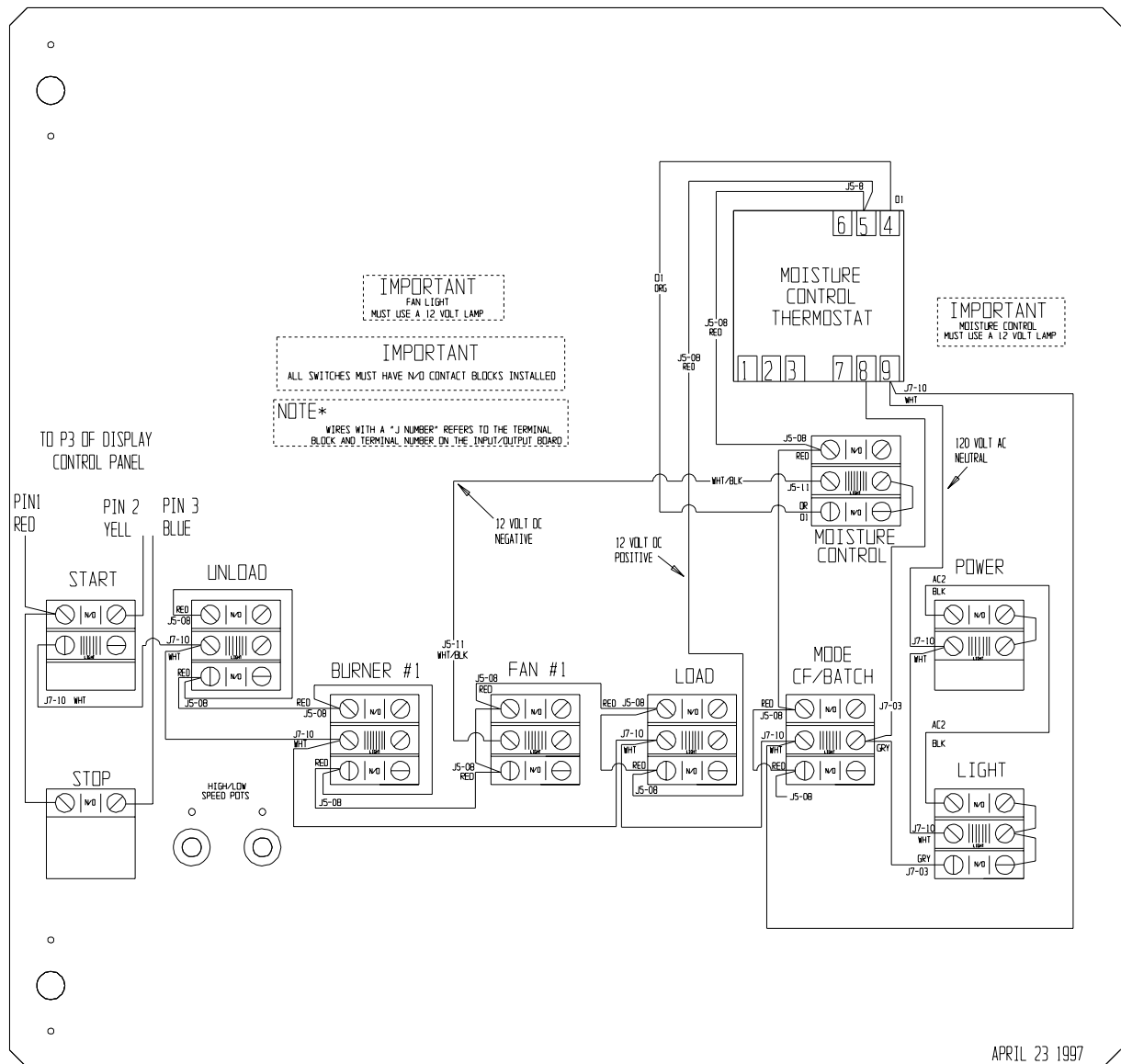
1100 Series Control Wiring



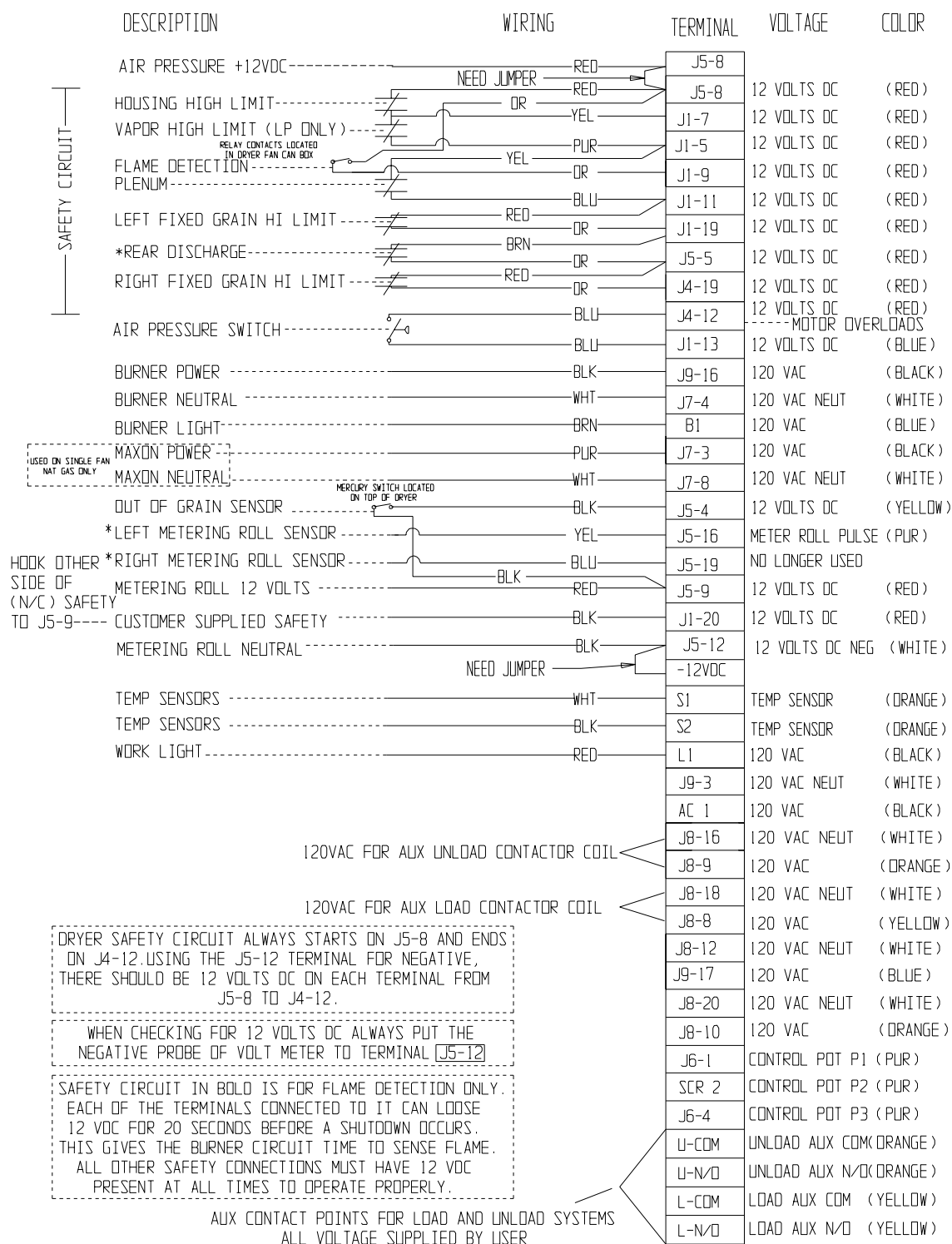
1 Fan Front Panel External Wiring



1 Fan Front Panel Internal Wiring



1100 Fan to Control Box Wiring



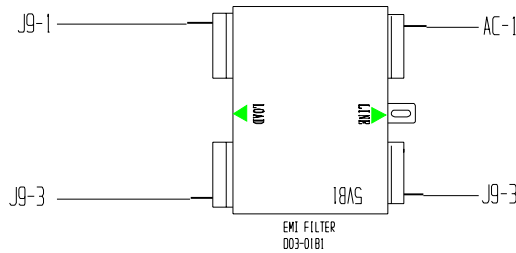
*LOCATED AT REAR OF DRYER

1100EW98.PRT REV. DATE 3/18/98

ALL SAFETIES MUST BE CLOSED FOR DRYER TO OPERATE

1100 Lower Fan Control Box Interconnect Strip

EMERGENCY COOLING JUMPERS
 INSTALL J6-13 TO J1-5
 INSTALL J6-14 TO J1-19
 INSTALL J6-16 TO J5-5
 INSTALL J6-17 TO J4-19



L1		⊗	○	⊗		BLACK	- 120 VAC	- OUTSIDE LIGHT
B1		⊗	○	⊗		BROWN	- 120 VAC	- BURNER #1 LIGHT
S1		⊗	○	⊗		ORANGE	- TEMPERATURE SENSOR	
S2		⊗	○	⊗		ORANGE	- TEMPERATURE SENSOR	
SCR2		⊗	○	⊗		PURPLE	- CONTROL POT P2	
J1-5		⊗	○	⊗		RED	- 12 VDC	- FAN #1 VAPOR HIGH LIMIT
J1-7		⊗	○	⊗		RED	- 12 VDC	- FAN #1 HOUSING HIGH LIMIT
J1-9		⊗	○	⊗		RED	- 12 VDC	- FAN #1 FLAME DETECTION
J1-11		⊗	○	⊗		RED	- 12 VDC	- FAN #1 PLENUM HIGH LIMIT
J1-13		⊗	○	⊗		BLUE	- 12 VDC	- FAN #1 AIR SWITCH
J1-19		⊗	○	⊗		RED	- 12 VDC	- LOWER FIXED GRAIN LIMIT
J1-20		⊗	○	⊗		RED	- 12 VDC	- USER SUPPLIED SAFETY
J4-12		⊗	○	⊗		RED	- 12 VDC	- MOTOR OVERLOADS
J4-19		⊗	○	⊗		RED	- 12 VDC	- LOWER ADJUSTABLE GRAIN HIGH LIMIT
J5-4		⊗	○	⊗		YELLOW	- 12 VDC	- OUT OF GRAIN SENSOR
J5-5		⊗	○	⊗		RED	- 12 VDC	- REAR DISCHARGE SWITCH
J5-8		⊗	○	⊗		RED	- 12 VDC	- 12 VOLT SUPPLY
J5-9		⊗	○	⊗		RED	- 12 VDC	- 12 VOLT SUPPLY
J5-12		⊗	○	⊗		WHITE	- 12 VDC NEG	- 12 VOLT SUPPLY NEGATIVE
J5-16		⊗	○	⊗		PURPLE	-TIMING PULSE-	LEFT METERING ROLL PULSE
J5-19		⊗	○	⊗		PURPLE	-TIMING PULSE-	RIGHT METERING ROLL PULSE
J6-1		⊗	○	⊗		PURPLE	- CONTROL POT P1	
J6-4		⊗	○	⊗		PURPLE	- CONTROL POT P3	
J7-3		⊗	○	⊗		BLACK	- 120 VAC	- MAXON POWER
J7-4		⊗	○	⊗		WHITE	- AC NEUTRAL	- BURNER NEUTRAL
J7-8		⊗	○	⊗		WHITE	- AC NEUTRAL	- MAXON NEUTRAL
J8-8		⊗	○	⊗		YELLOW	- 120 VAC	- LOAD POWER
J8-9		⊗	○	⊗		ORANGE	- 120 VAC	- UNLOAD POWER
J8-10		⊗	○	⊗		ORANGE	- 120 VAC	- SCR POWER
J8-12		⊗	○	⊗		WHITE	- AC NEUTRAL	- FAN #1 NEUTRAL
J8-16		⊗	○	⊗		WHITE	- AC NEUTRAL	- UNLOAD NEUTRAL
J8-18		⊗	○	⊗		WHITE	- AC NEUTRAL	- LOAD NEUTRAL
J8-20		⊗	○	⊗		WHITE	- AC NEUTRAL	- SCR NEUTRAL
J9-16		⊗	○	⊗		BLACK	- 120 VAC	- BURNER #1 POWER
J9-17		⊗	○	⊗		BLUE	- 120 VAC	- FAN #1 POWER

35 - 001-0531 ENTRELEC TERMINALS
 2 - 001-0533 END STOPS
 1 - 001-0532 BLANK PROTECTOR END

1FANBP98.PRT REV. DATE 3/17/98

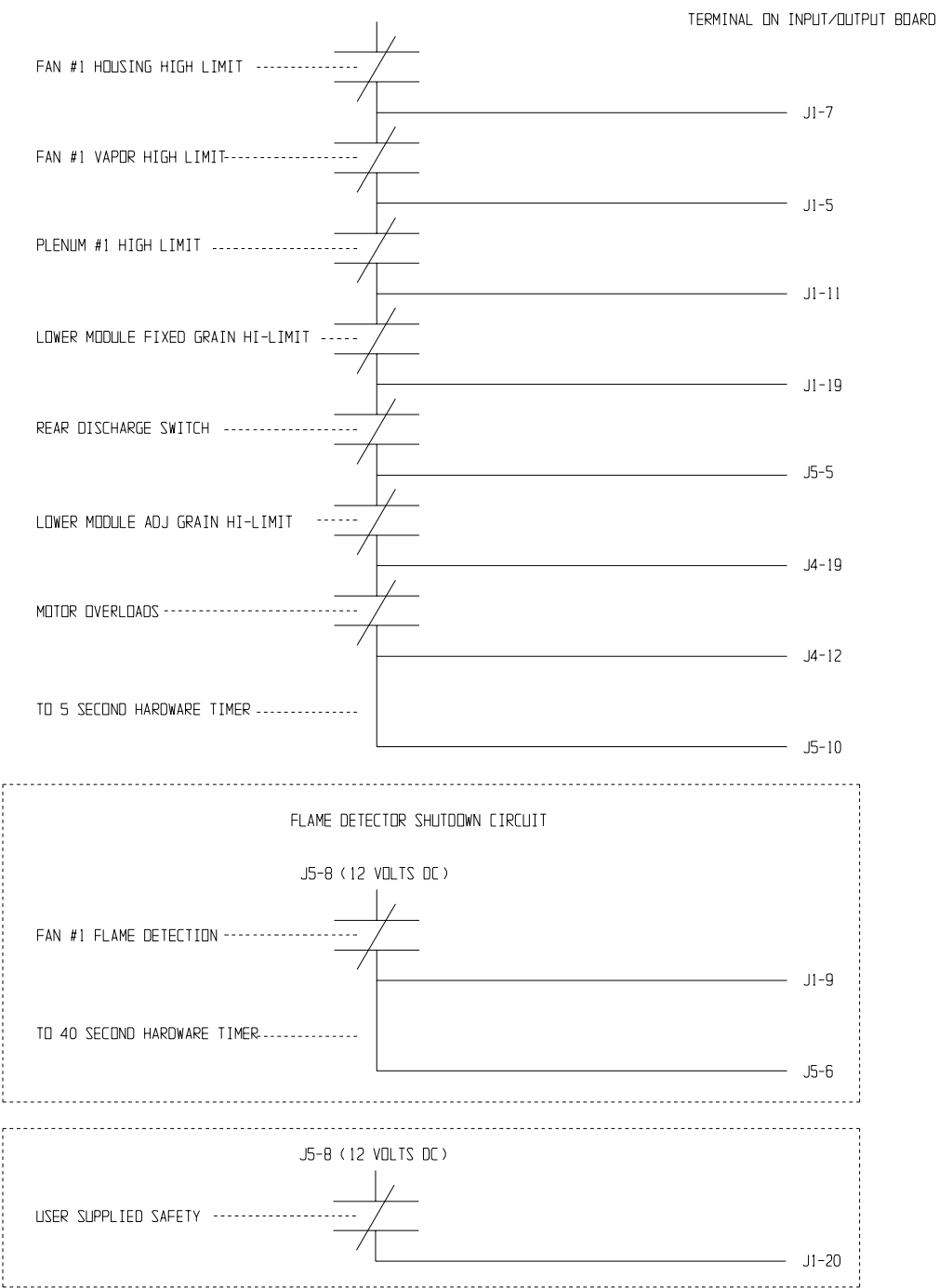
I/O BOARD JUMPERS
 INSTALL J1-9 TO J5-6
 INSTALL J5-2 TO J5-20
 INSTALL J4-12 TO J5-10
 INSTALL J1-20 TO J5-8

1100 Series Safety Wiring Diagram

SAFETY DESCRIPTION

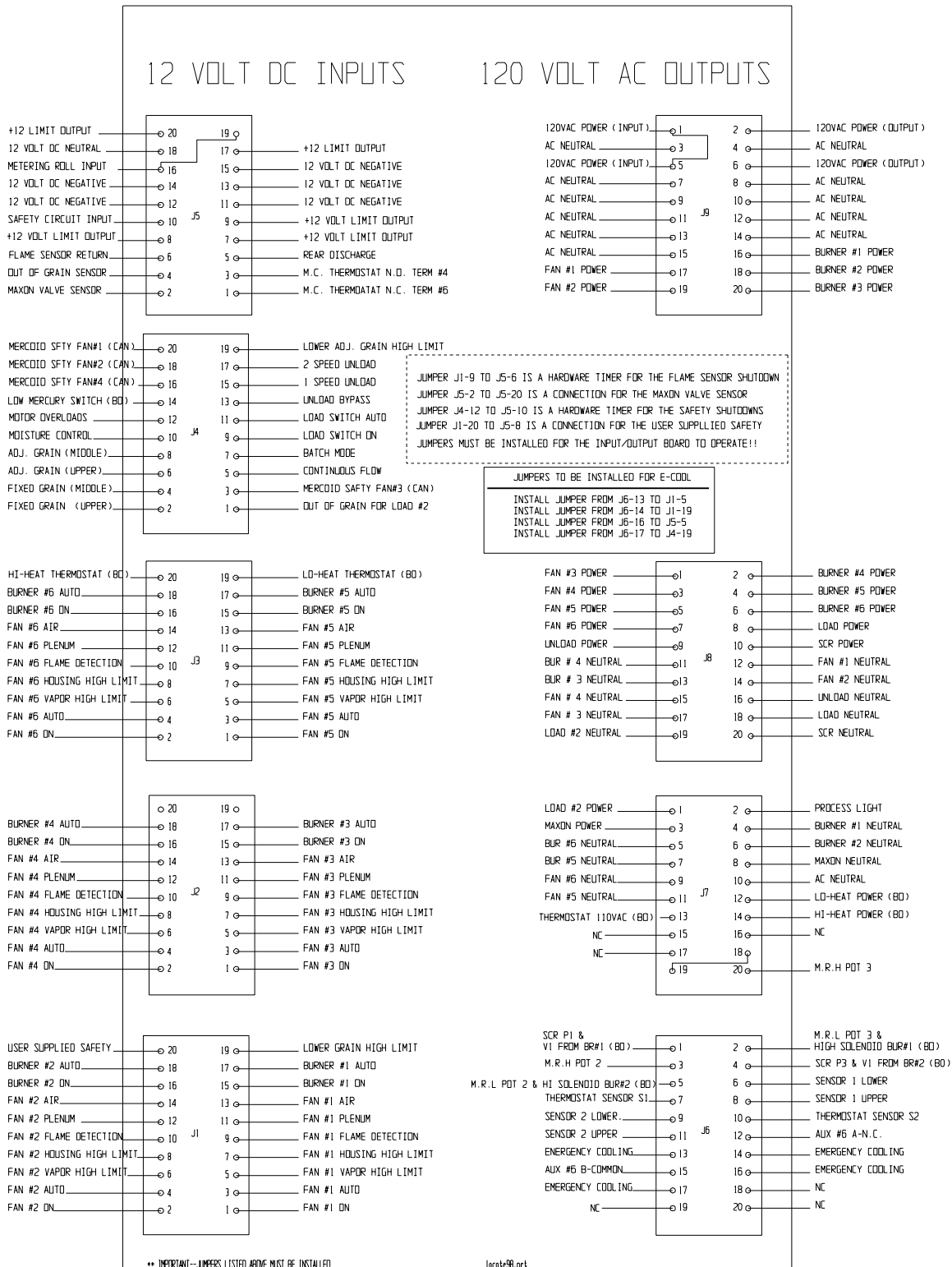
J5-8 (12 VOLTS DC)

MAY 26 1994



ALL CONNECTIONS MUST HAVE 12 VOLTS DC TO OPERATE

1100 Lower Fan Control Box Interconnect Strip

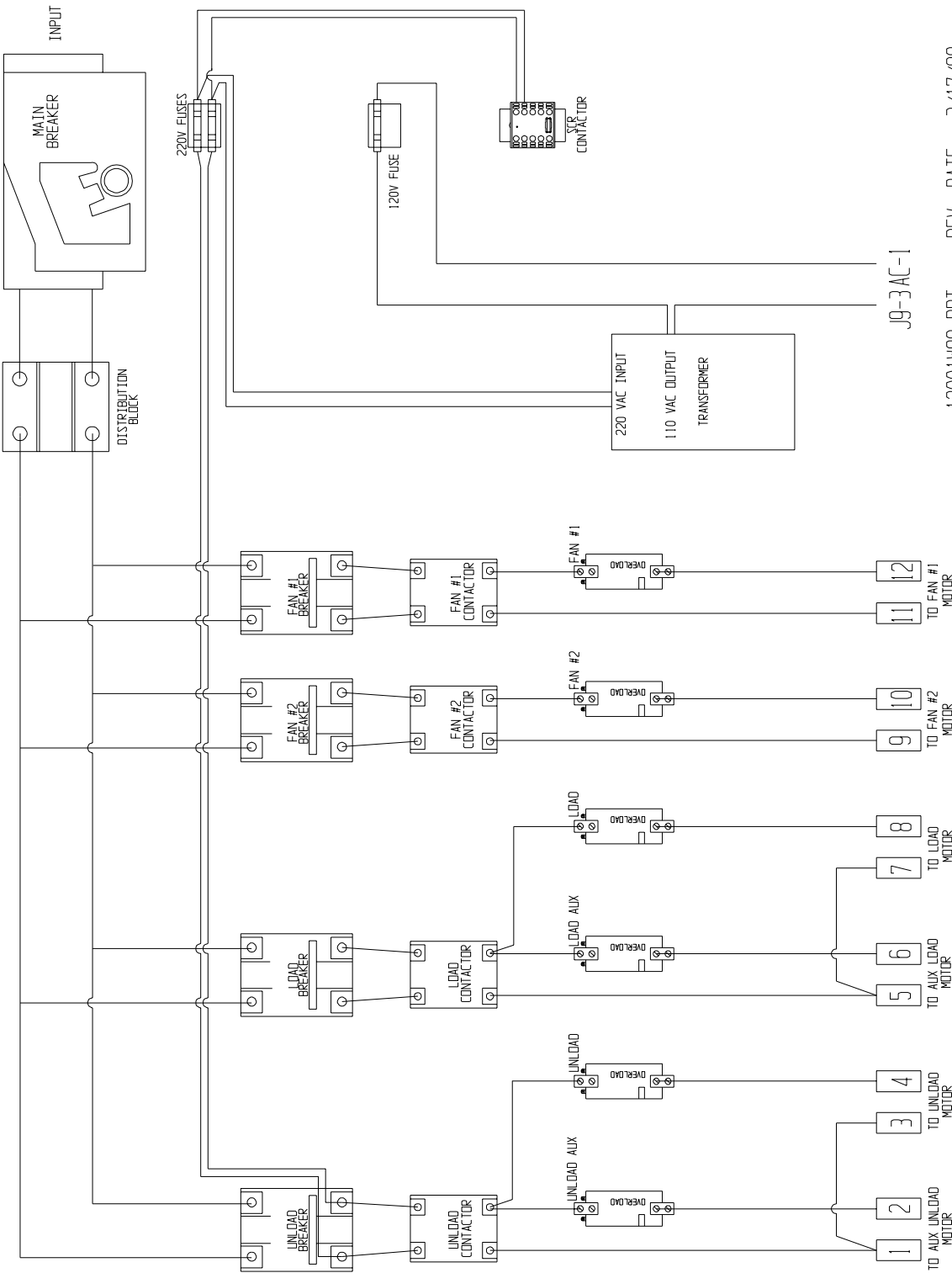


1200 SERIES

CONTROL BOX
SCHEMATICS
AND
WIRING DIAGRAMS

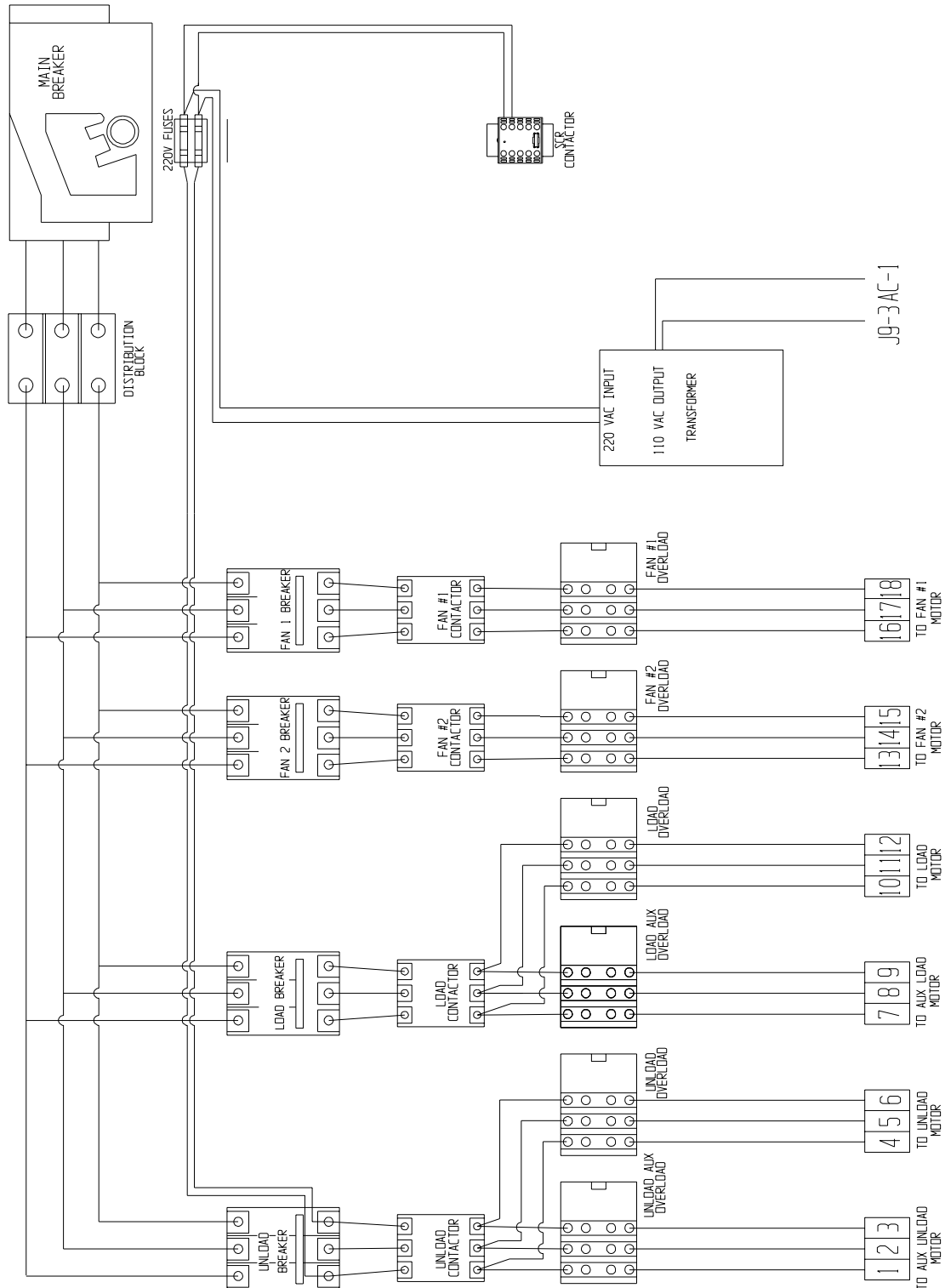
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1200 Series 220 Volt Single Phase Control Wiring



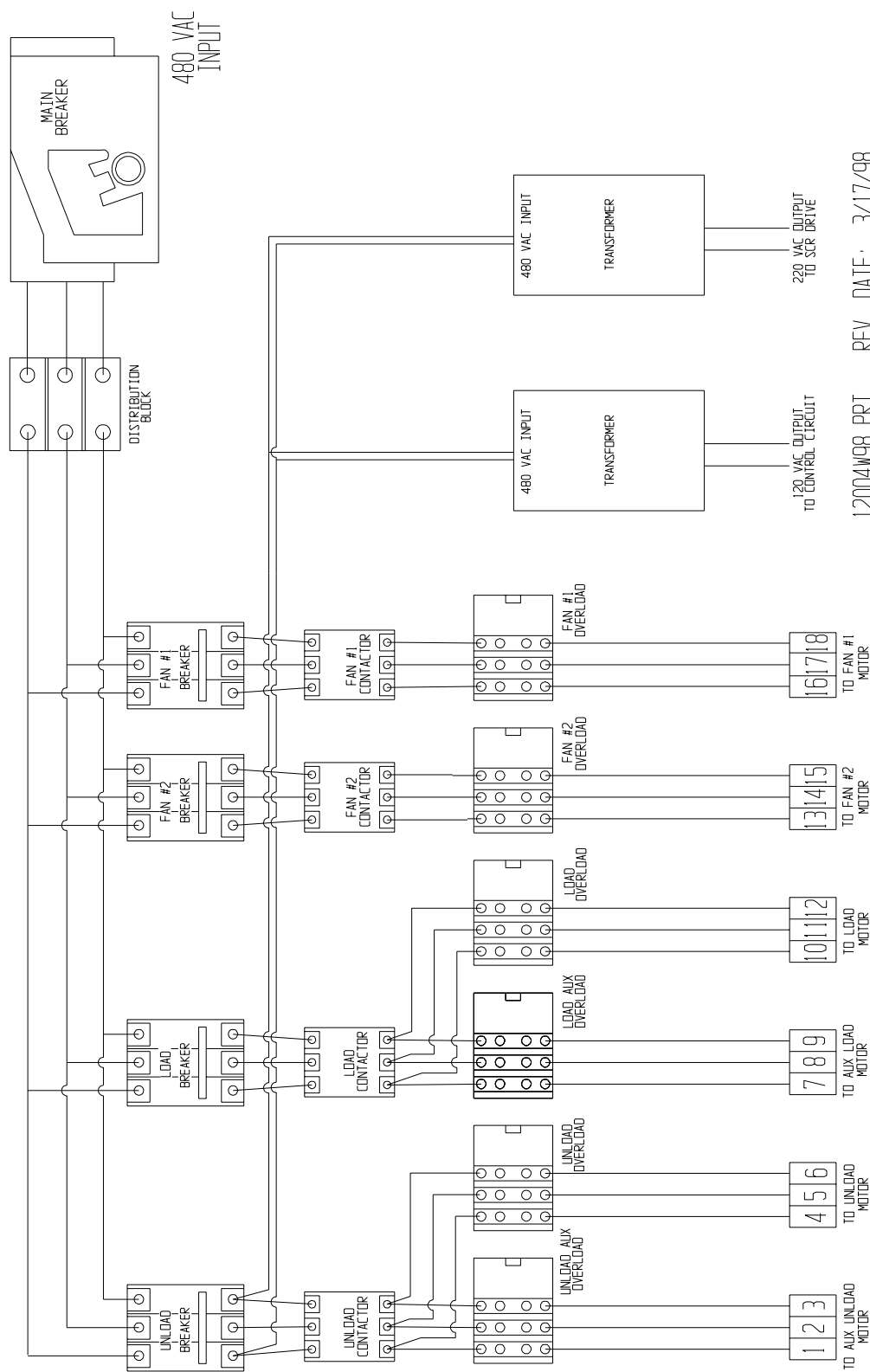
12001W98.PRT REV. DATE: 3/17/98

1200 Series Power Wiring 3 Phase



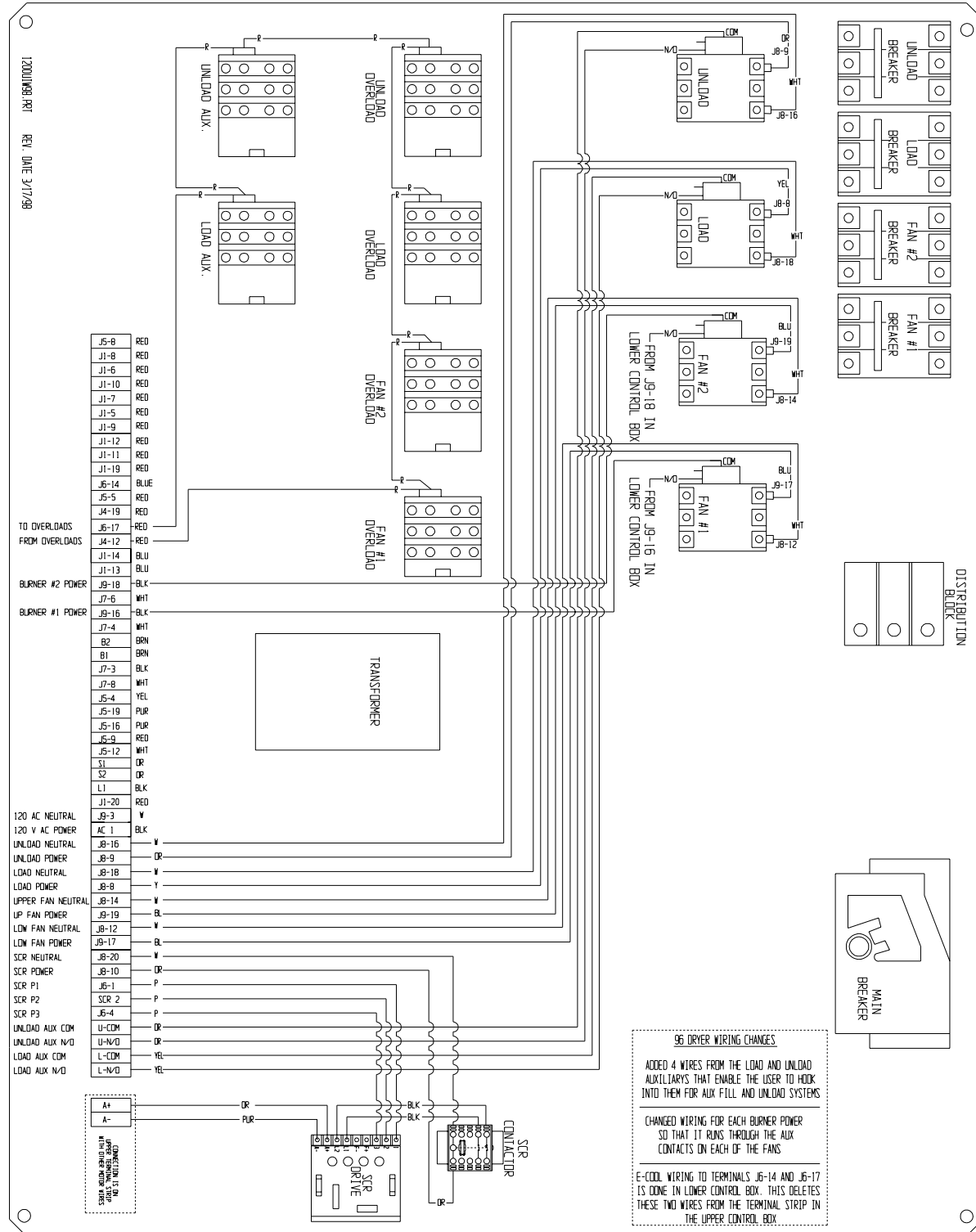
12003W98.PRT REV. DATE: 3/17/98

1200 Series 440 Volt 3 Phase Power Wiring

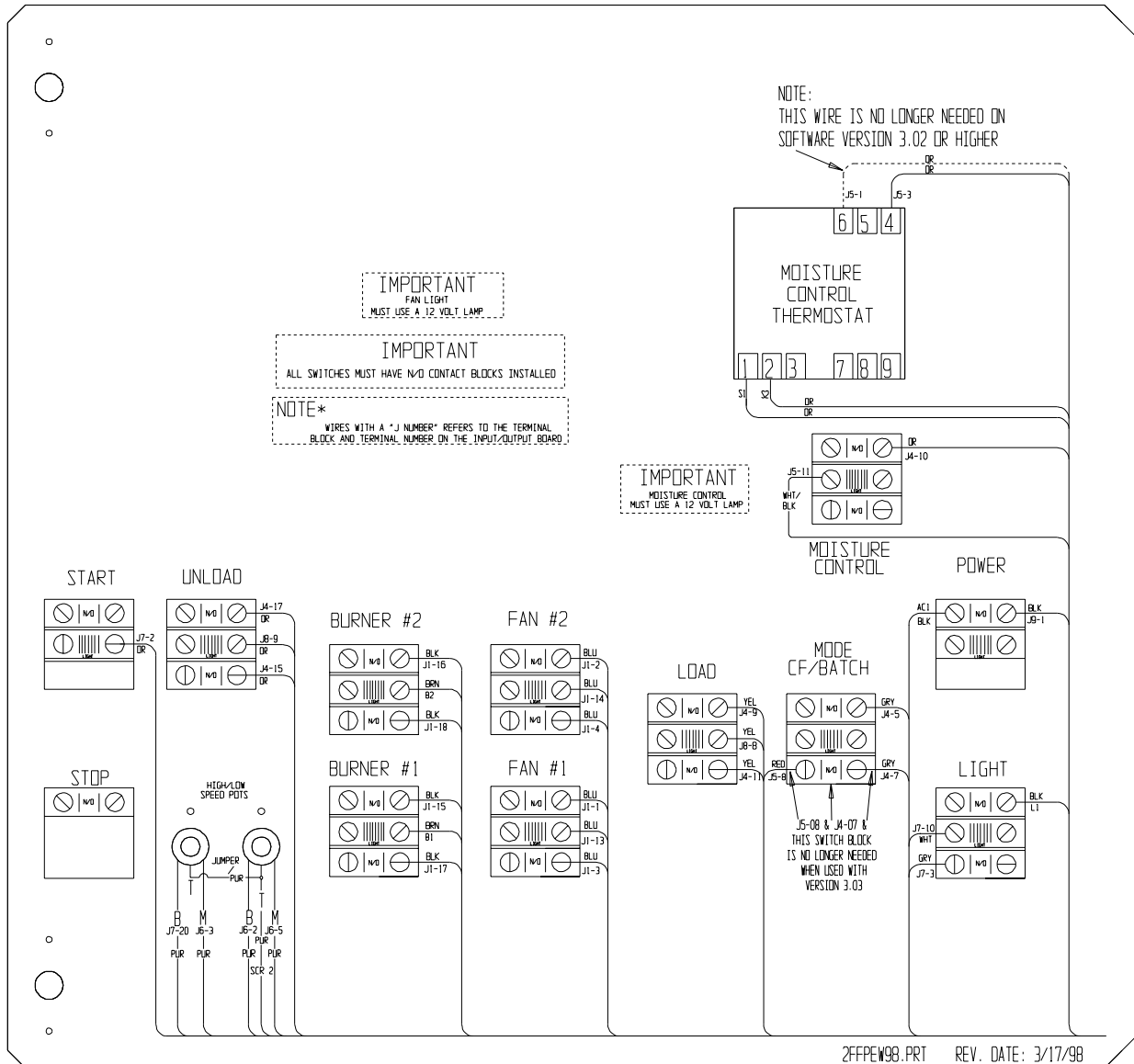


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12004W98.PRT

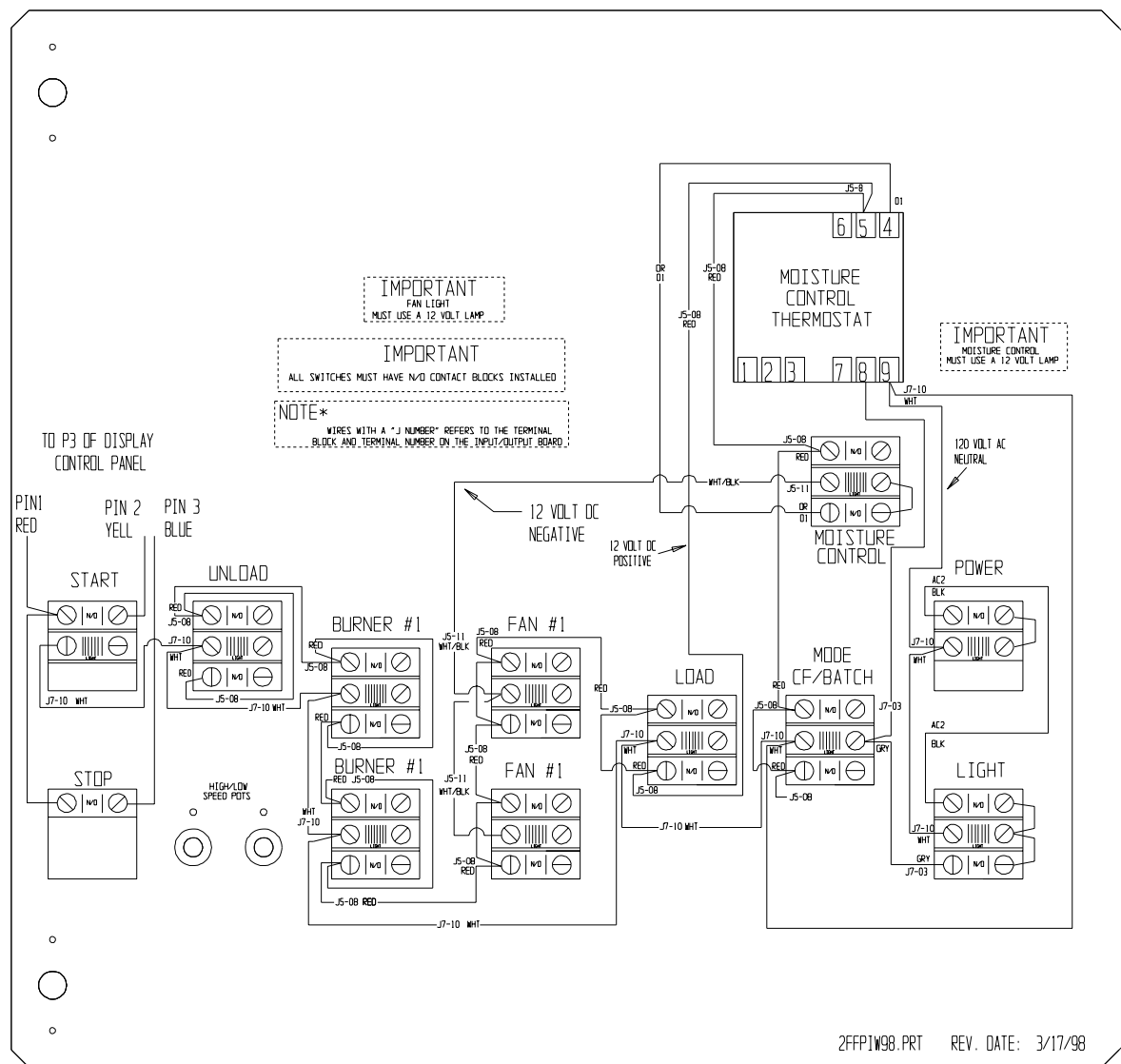
1200 Series Control Wiring



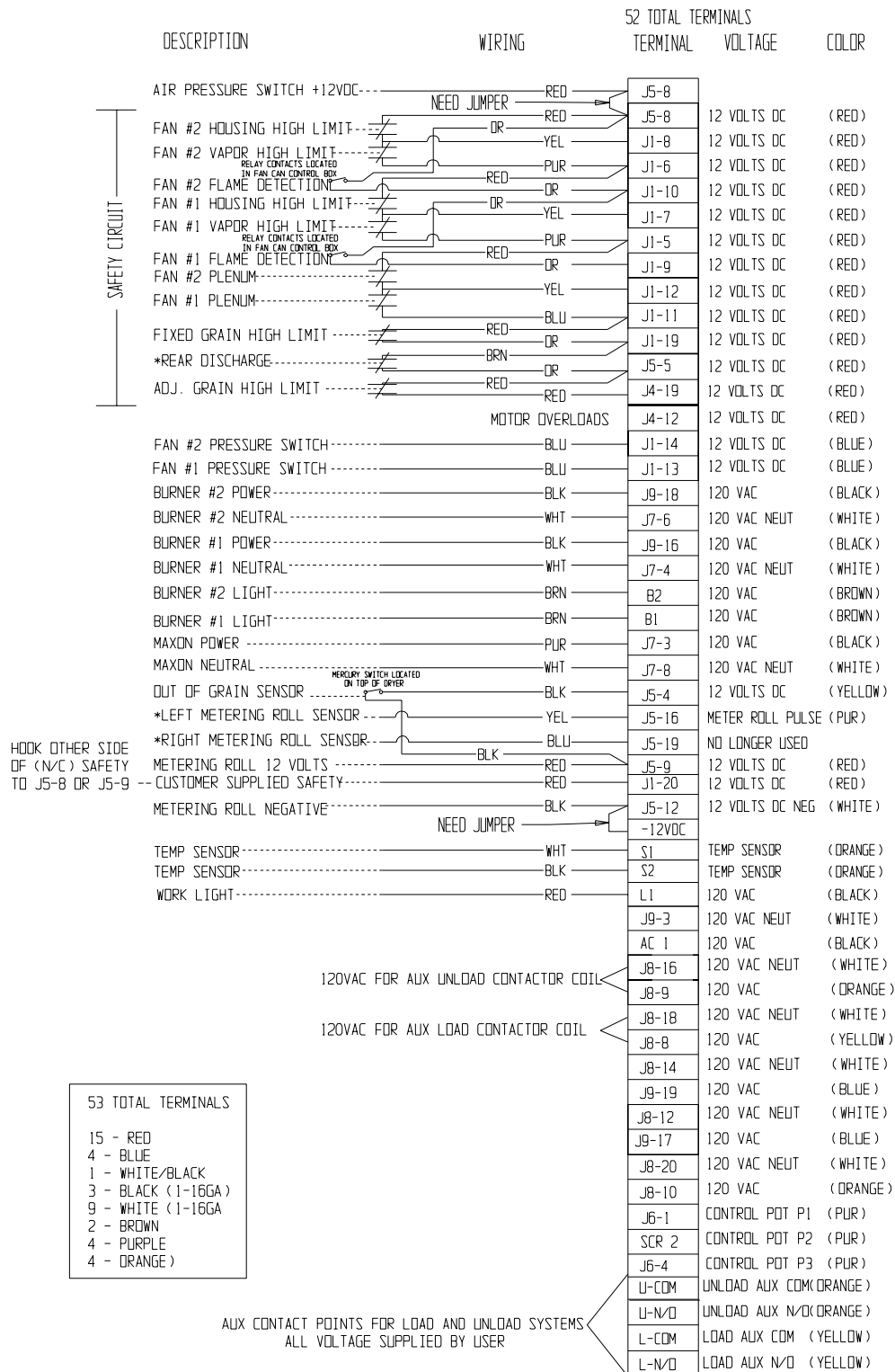
2 Fan Front Panel External Wiring



2 Fan Front Panel Internal Wiring

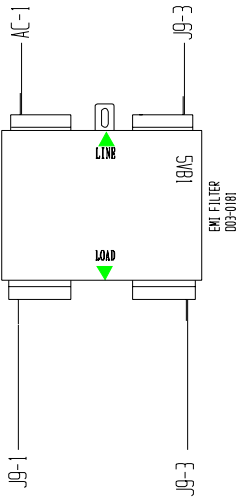


1200 Fan to Control Box Wiring



1200 Fan Lower Control Box Interconnect Strip

J1	—	⊗	⊙	⊗	BLACK	- 120 VAC	- OUTSIDE LIGHT
B1	—	⊗	⊙	⊗	BROWN	- 120 VAC	- BURNER #1 LIGHT
B2	—	⊗	⊙	⊗	BROWN	- 120 VAC	- BURNER #2 LIGHT
S1	—	⊗	⊙	⊗	ORANGE	- TEMPERATURE SENSOR	
S2	—	⊗	⊙	⊗	ORANGE	- TEMPERATURE SENSOR	
SCR2	—	⊗	⊙	⊗	PURPLE	- CONTROL POT P2	
J1-5	—	⊗	⊙	⊗	RED	- 12 VDC	- FAN #1 VAPOR HIGH LIMIT
J1-6	—	⊗	⊙	⊗	RED	- 12 VDC	- FAN #2 VAPOR HIGH LIMIT
J1-7	—	⊗	⊙	⊗	RED	- 12 VDC	- FAN #1 HOUSING HIGH LIMIT
J1-8	—	⊗	⊙	⊗	RED	- 12 VDC	- FAN #2 HOUSING HIGH LIMIT
J1-9	—	⊗	⊙	⊗	RED	- 12 VDC	- FAN #1 FLAME DETECTION
J1-10	—	⊗	⊙	⊗	RED	- 12 VDC	- FAN #2 FLAME DETECTION
J1-11	—	⊗	⊙	⊗	RED	- 12 VDC	- FAN #1 PLENUM HIGH LIMIT
J1-12	—	⊗	⊙	⊗	RED	- 12 VDC	- FAN #2 PLENUM HIGH LIMIT
J1-13	—	⊗	⊙	⊗	BLUE	- 12 VDC	- FAN #1 AIR SWITCH
J1-14	—	⊗	⊙	⊗	BLUE	- 12 VDC	- FAN #2 AIR SWITCH
J1-19	—	⊗	⊙	⊗	RED	- 12 VDC	- LOWER FIXED GRAIN LIMIT
J1-20	—	⊗	⊙	⊗	RED	- 12 VDC	- USER SUPPLIED SAFETY
J4-12	—	⊗	⊙	⊗	RED	- 12 VDC	- MOTOR OVERLOADS
J4-19	—	⊗	⊙	⊗	RED	- 12 VDC	- LOWER ADJUSTABLE GRAIN HIGH LIMIT
J5-4	—	⊗	⊙	⊗	YELLOW	- 12 VDC	- OUT OF GRAIN SENSOR
J5-5	—	⊗	⊙	⊗	RED	- 12 VDC	- REAR DISCHARGE SWITCH
J5-8	—	⊗	⊙	⊗	RED	- 12 VDC	- 12 VOLT SUPPLY
J5-9	—	⊗	⊙	⊗	RED	- 12 VDC	- 12 VOLT SUPPLY
J5-12	—	⊗	⊙	⊗	WHITE	- 12 VDC NEG	- 12 VOLT SUPPLY NEGATIVE
J5-16	—	⊗	⊙	⊗	PURPLE	- TIMING PULSE	- LEFT METERING ROLL PULSE
J5-19	—	⊗	⊙	⊗	PURPLE	- TIMING PULSE	- RIGHT METERING ROLL PULSE
J6-1	—	⊗	⊙	⊗	PURPLE	- CONTROL POT P1	
J6-4	—	⊗	⊙	⊗	PURPLE	- CONTROL POT P3	
J7-3	—	⊗	⊙	⊗	BLACK	- 120 VAC	- MAXON POWER
J7-4	—	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- BURNER #1 NEUTRAL
J7-6	—	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- BURNER #2 NEUTRAL
J7-8	—	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- MAXON NEUTRAL
J8-8	—	⊗	⊙	⊗	YELLOW	- 120 VAC	- LOAD POWER
J8-9	—	⊗	⊙	⊗	ORANGE	- 120 VAC	- UNLOAD POWER
J8-10	—	⊗	⊙	⊗	ORANGE	- 120 VAC	- SCR POWER
J8-12	—	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- FAN #1 NEUTRAL
J8-14	—	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- FAN #2 NEUTRAL
J8-16	—	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- UNLOAD NEUTRAL
J8-18	—	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- LOAD NEUTRAL
J8-20	—	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- SCR NEUTRAL
J9-16	—	⊗	⊙	⊗	BLACK	- 120 VAC	- BURNER #1 POWER
J9-17	—	⊗	⊙	⊗	BLUE	- 120 VAC	- FAN #1 POWER
J9-18	—	⊗	⊙	⊗	BLACK	- 120 VAC	- BURNER #2 POWER
J9-19	—	⊗	⊙	⊗	BLUE	- 120 VAC	- FAN #2 POWER

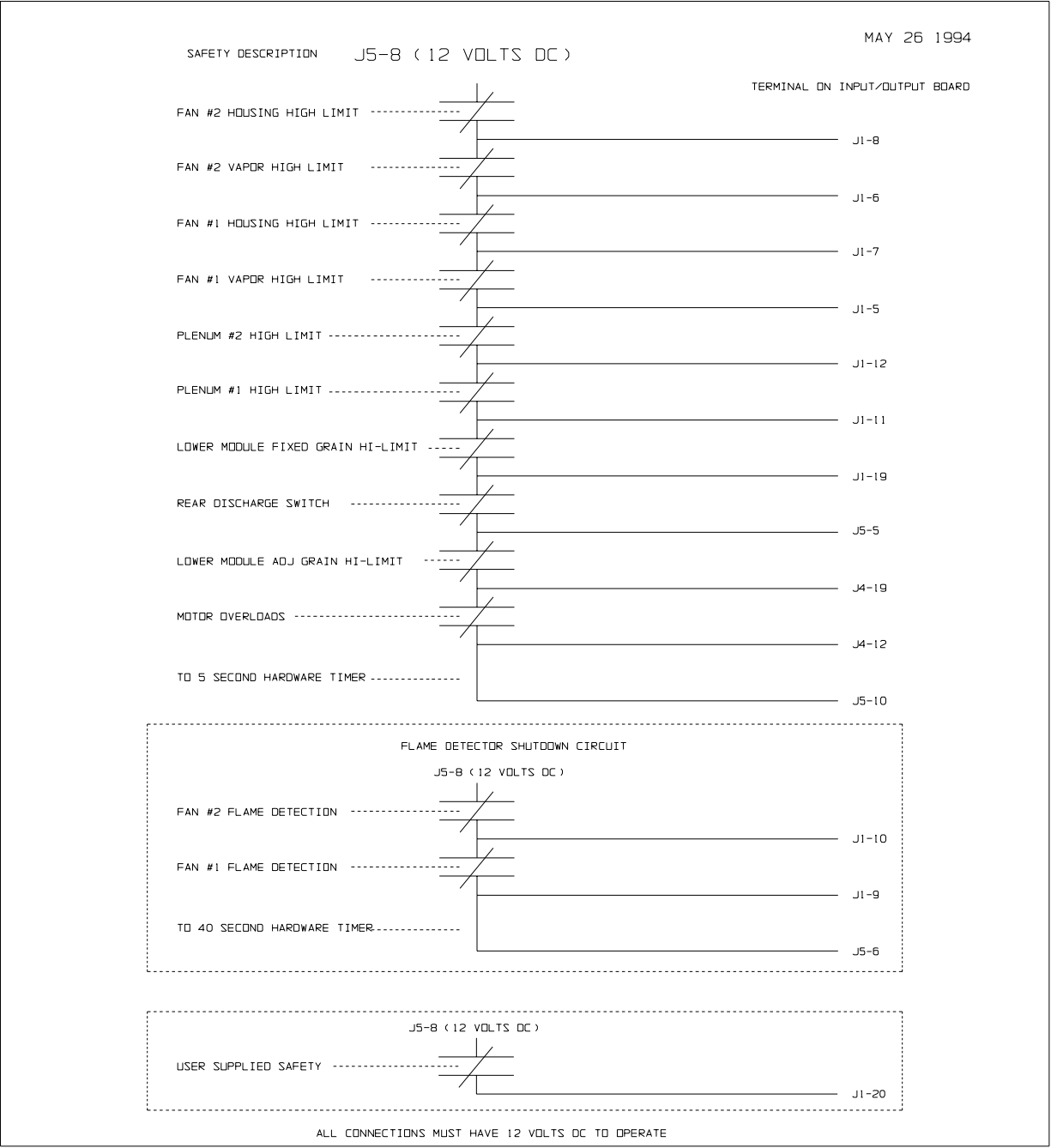


EMERGENCY COOLING JUMPERS
INSTALL J6-13 TO J1-5
INSTALL J6-14 TO J1-19
INSTALL J6-16 TO J5-5
INSTALL J6-17 TO J4-19

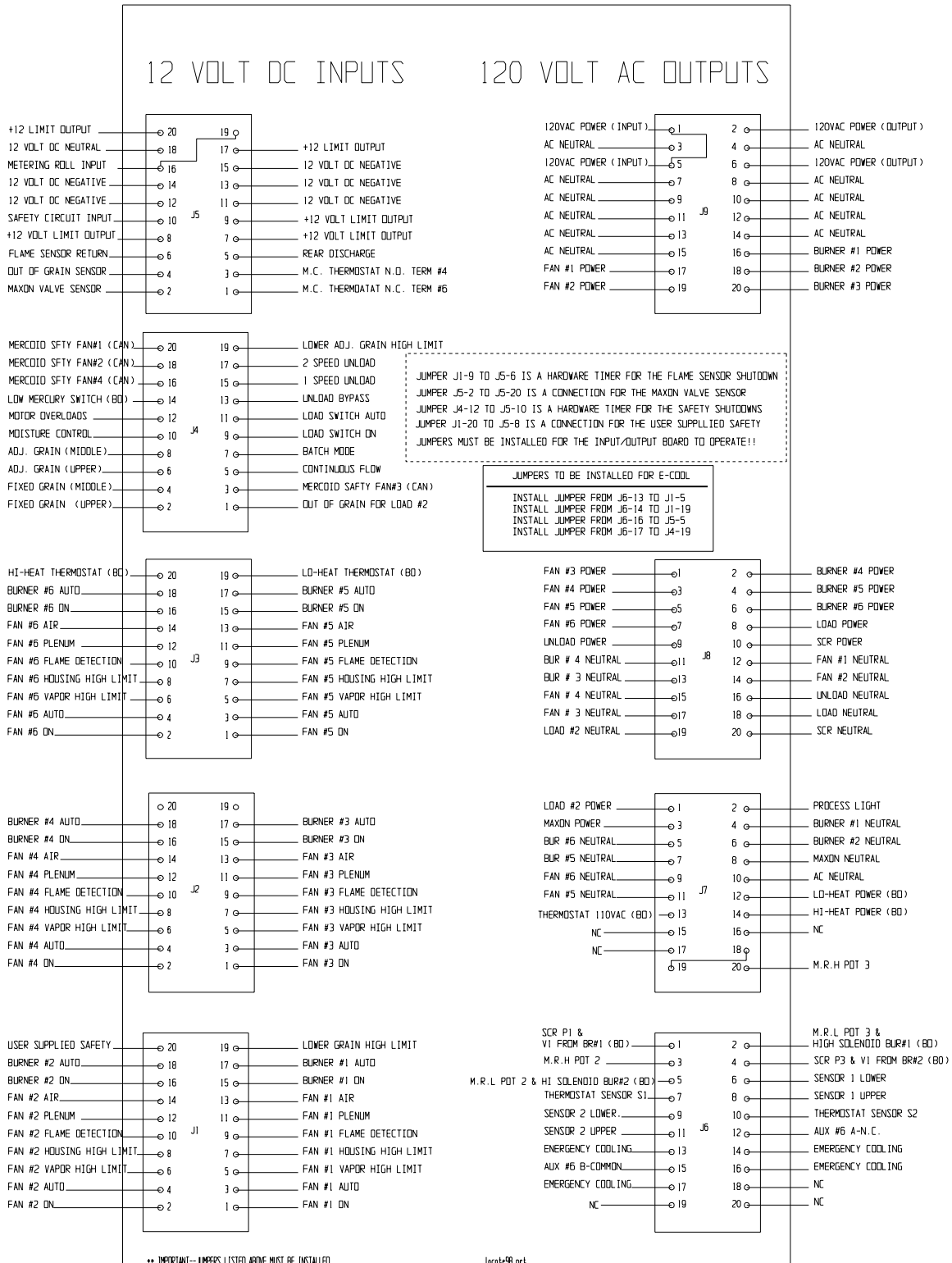
I/O BOARD JUMPERS
INSTALL J1-9 TO J5-6
INSTALL J5-2 TO J5-20
INSTALL J4-12 TO J5-10
INSTALL J9-1 TO J9-5

45 - 001-0531 ENTRELEC. TERMINALS
2 - 001-0533 END STOPS
1 - 001-0532 BLANK PROTECTOR ENDS
2FANBP98.PRT REV. DATE: 3/17/98

1200 Series Safety Wiring Diagram



1200 Fan Lower Control Box Interconnect Strip



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