

Portable Dryer Wiring Diagrams

Wiring Diagrams Manual

PNEG-381

February 1999



a division of

THE GSI GROUP



1100 Series 4

1200 Series 19

1300 Series 34

2200 Series 47

2300 Series 60

2400 Series 73

3300 Series 86

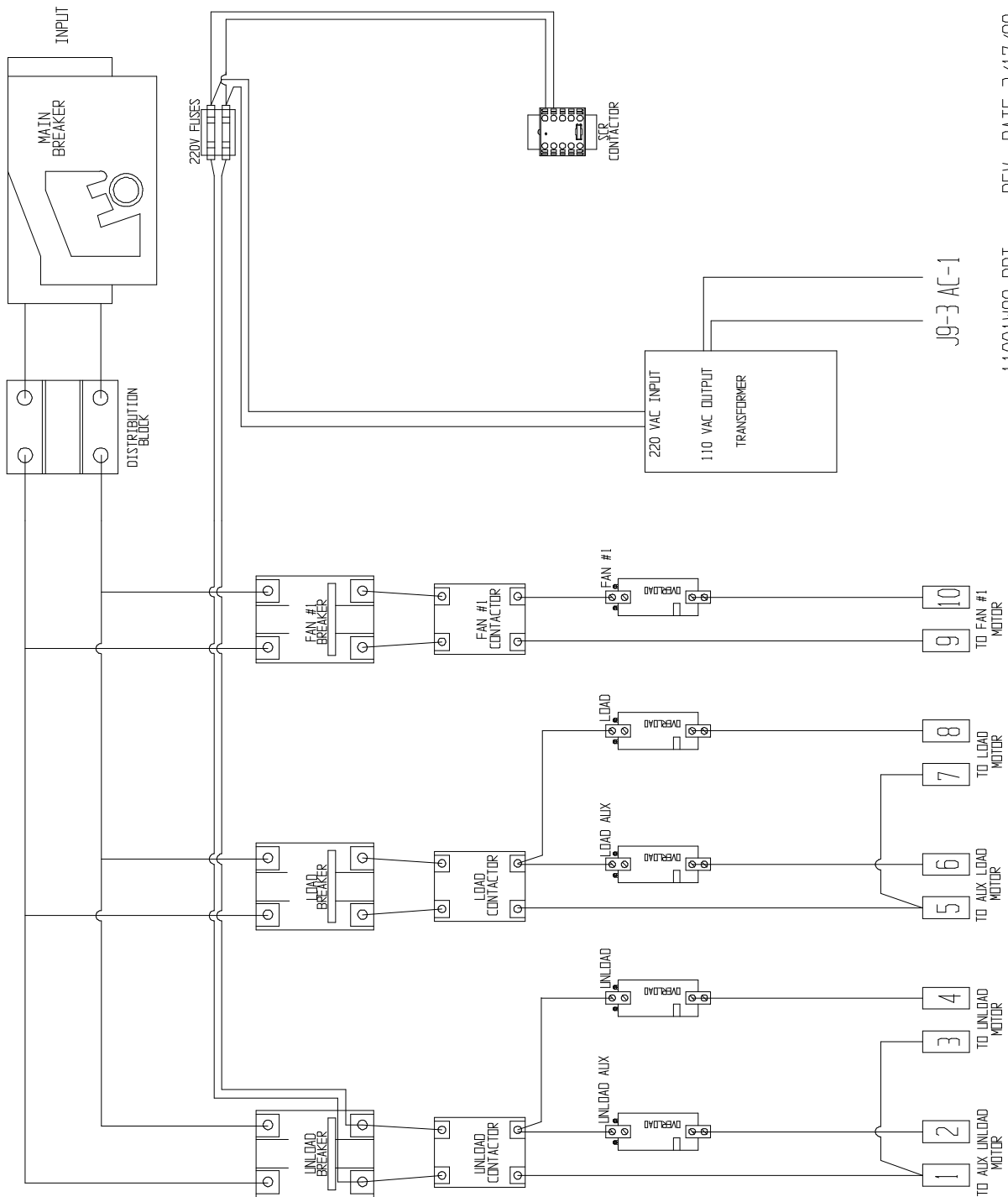
3400 Series 99

3600 Series 112

1100 SERIES

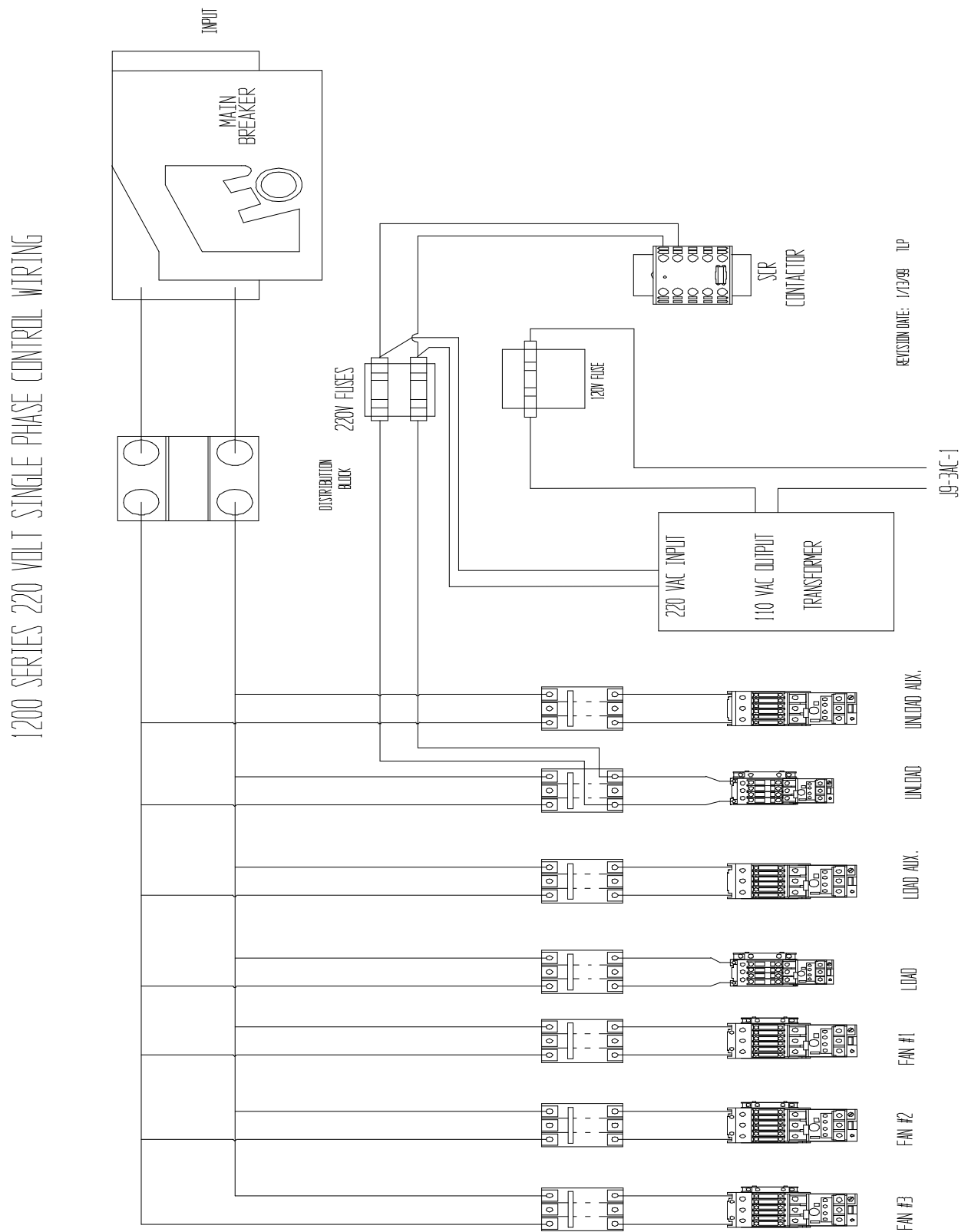
CONTROL BOX
SCHEMATICS
AND
WIRING DIAGRAMS

1100 Series 220 Volt Single Phase Power Wiring

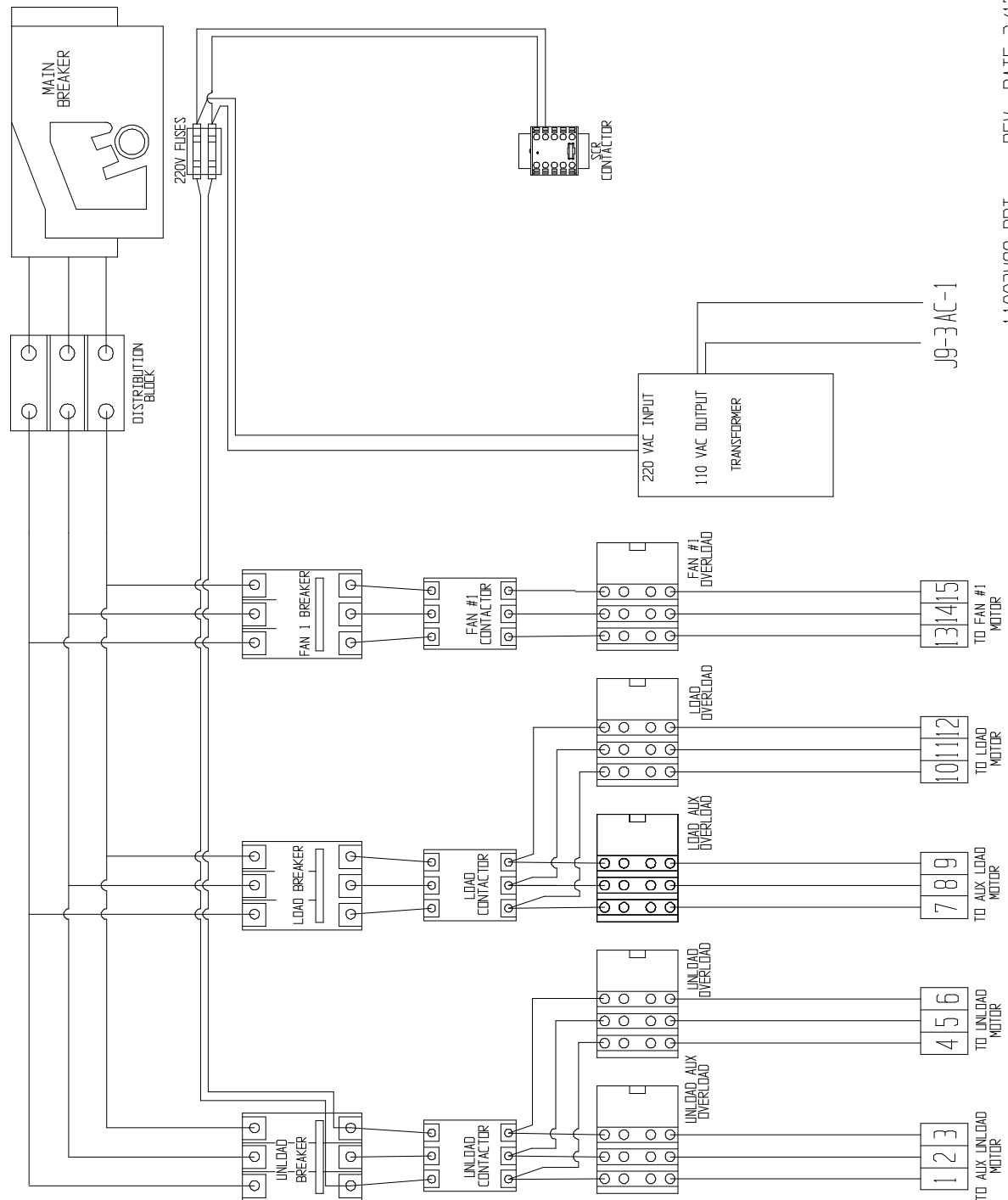


11001W98.PRT REV. DATE 3/17/98

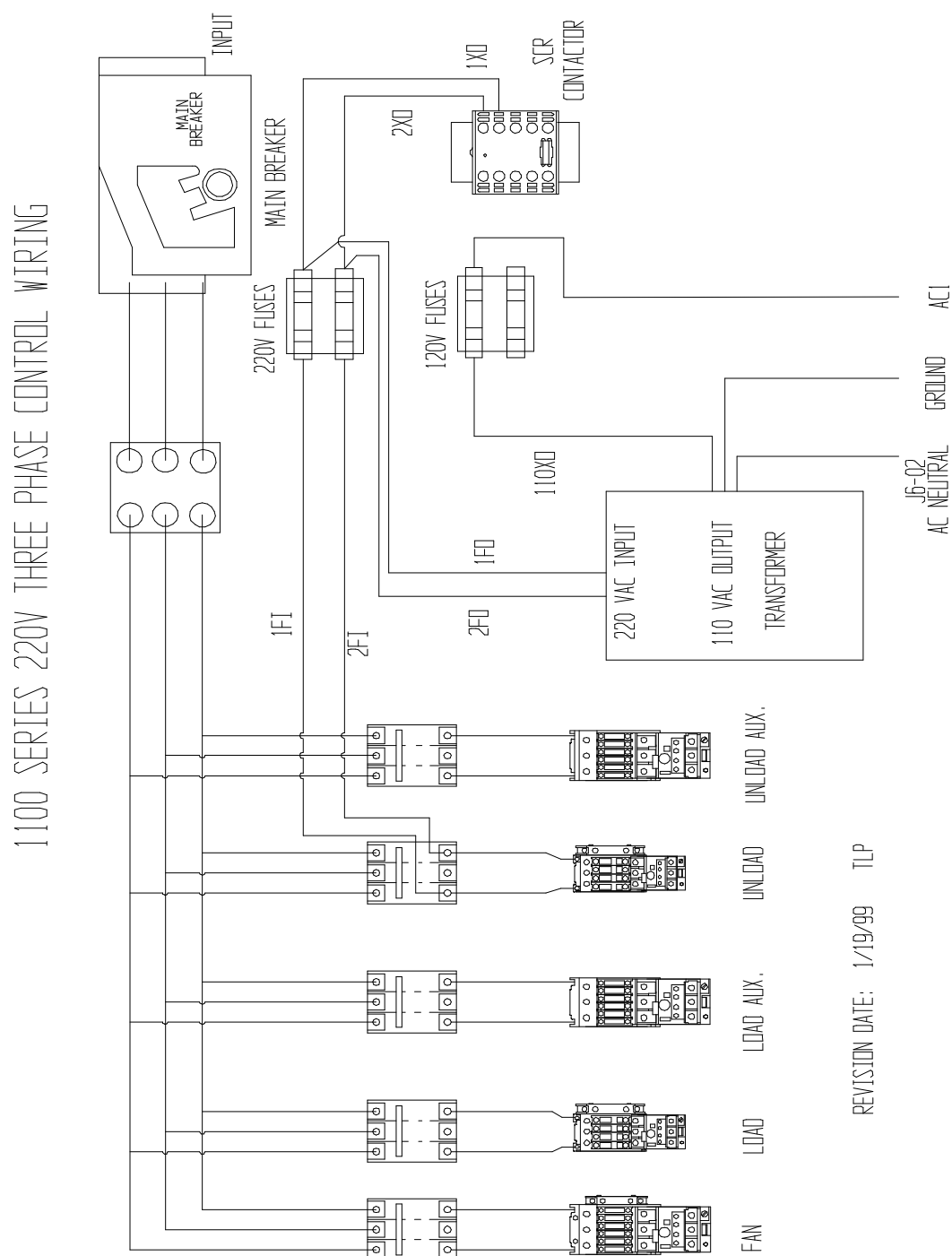
1100 Series 220 Volt Single Phase Power Wiring (New Version)



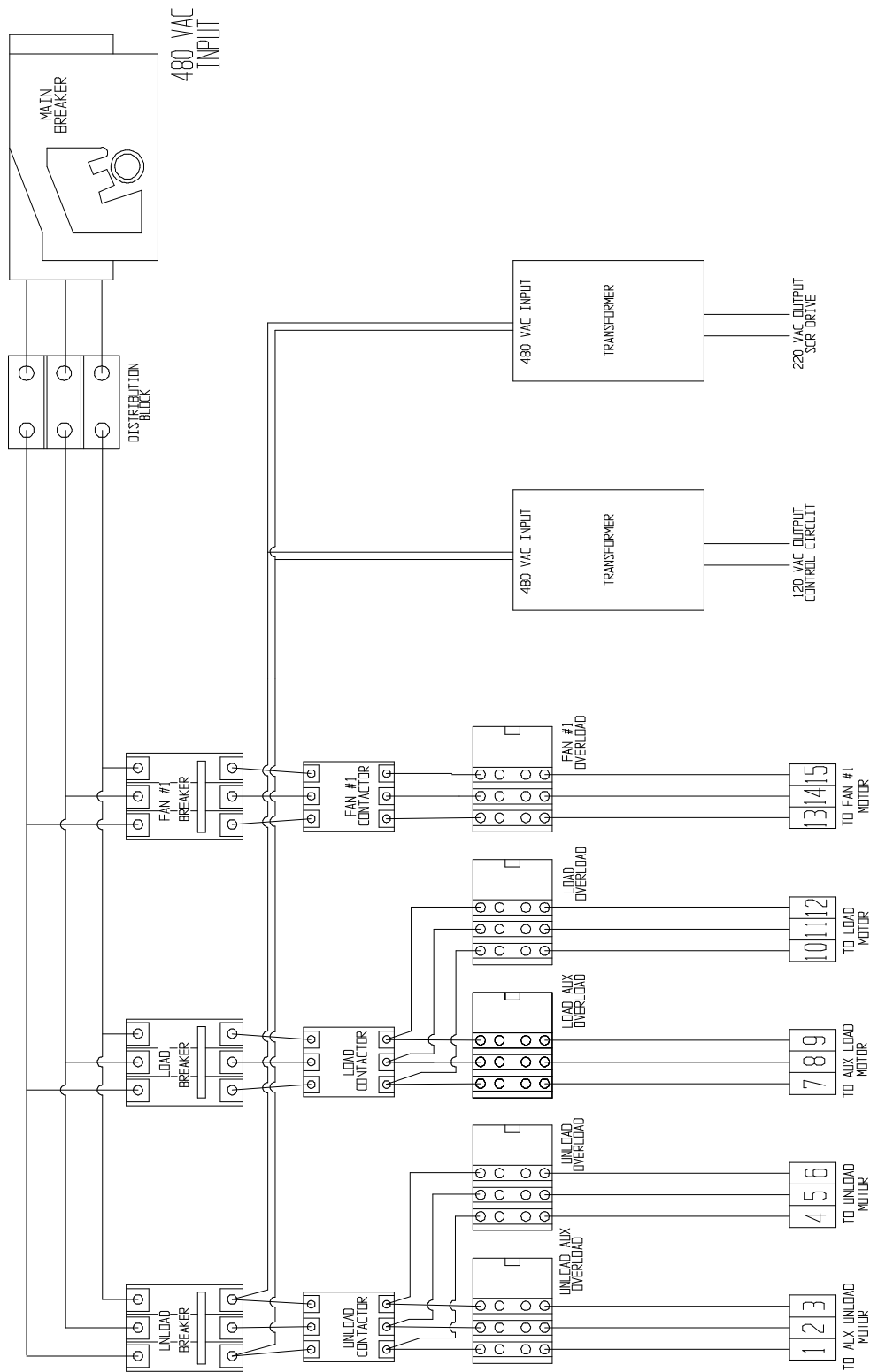
REV. DATE 3/17/98



1100 Series Power 220 Volt Wiring 3 Phase Power Wiring (New Version)

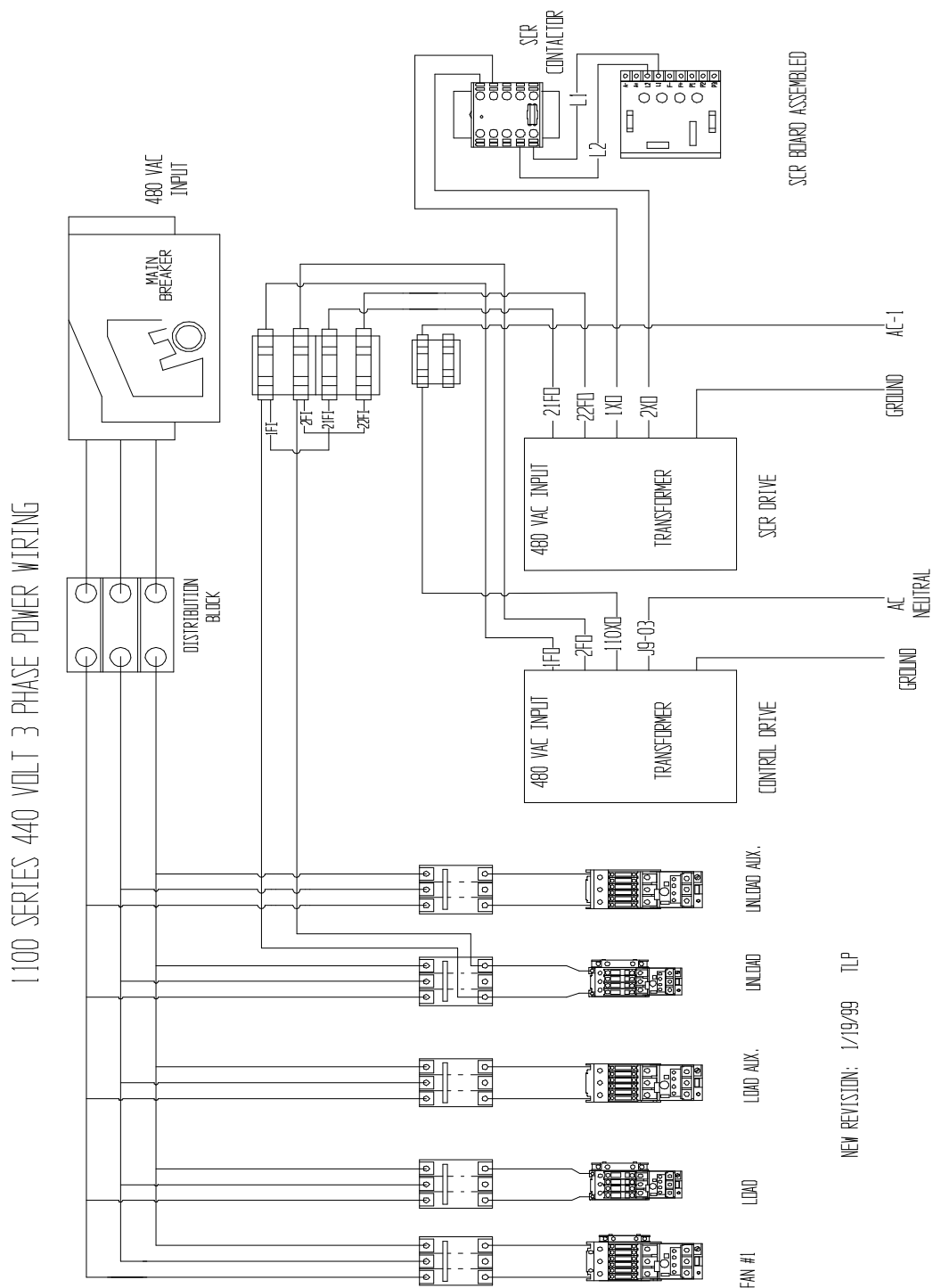


1100 Series 440 Volt 3 Phase Power Wiring

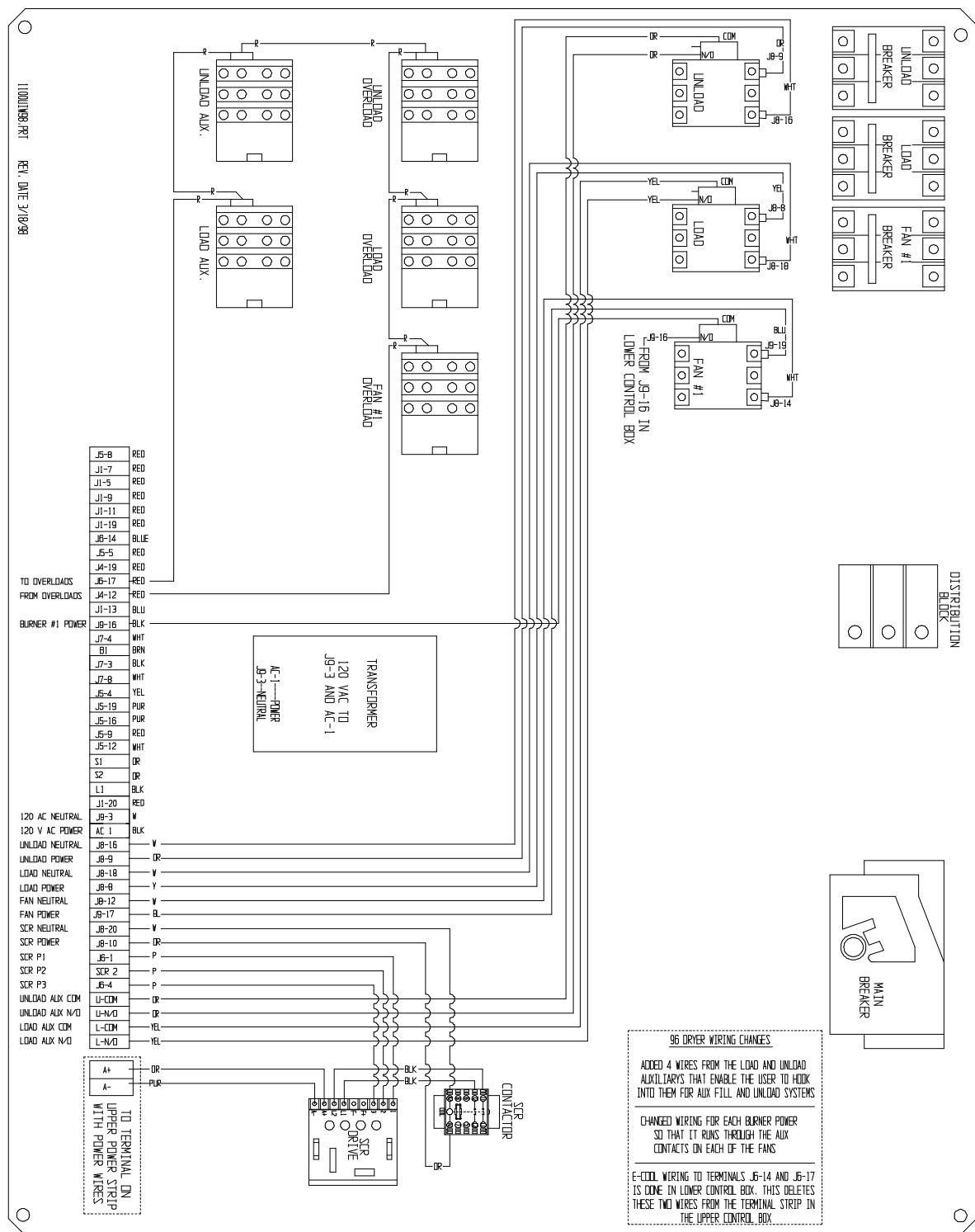


REV. DATE 3/16/98

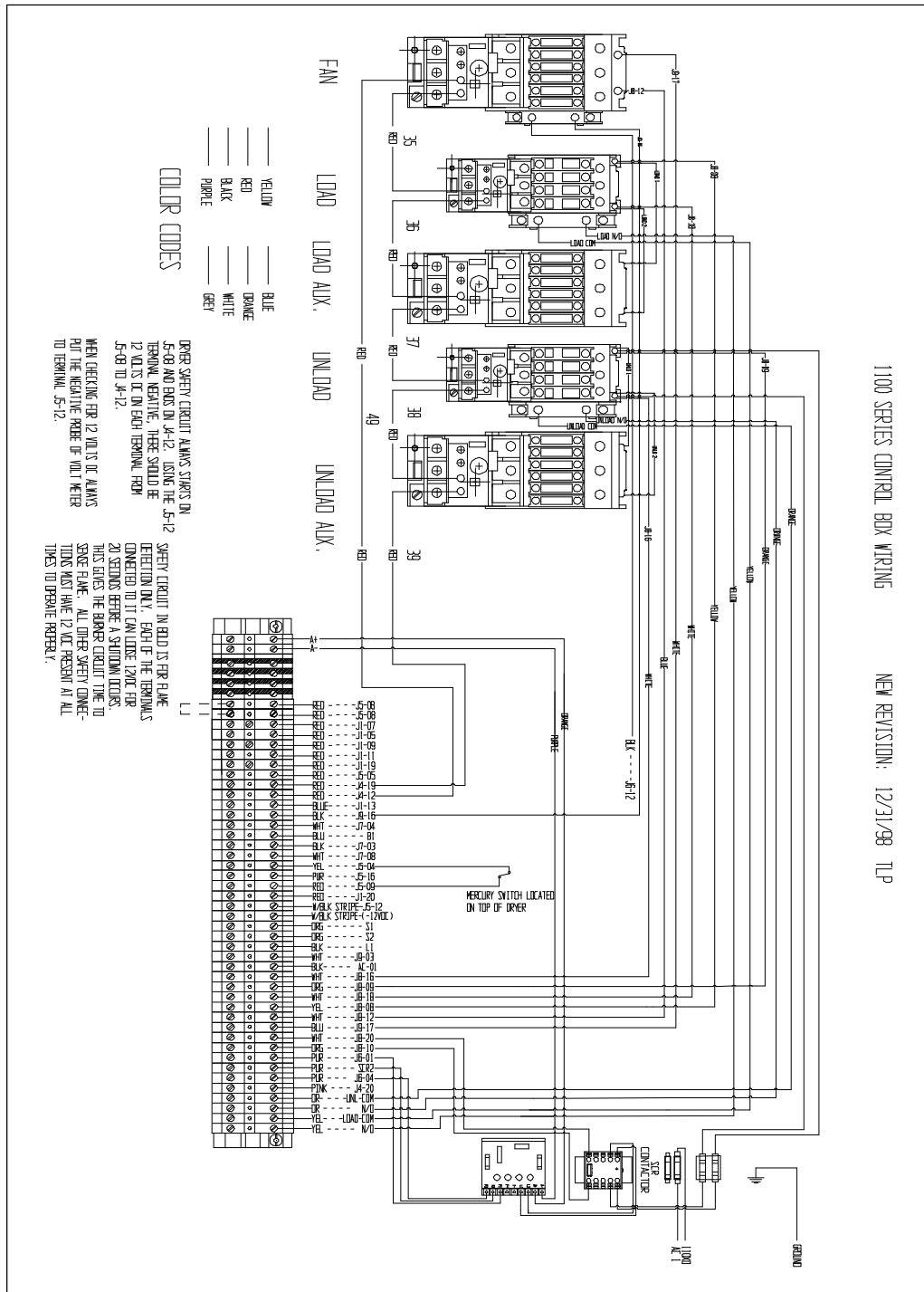
1100 Series 440 Volt Three Phase Power Wiring (New Version)



1100 Series Control Wiring



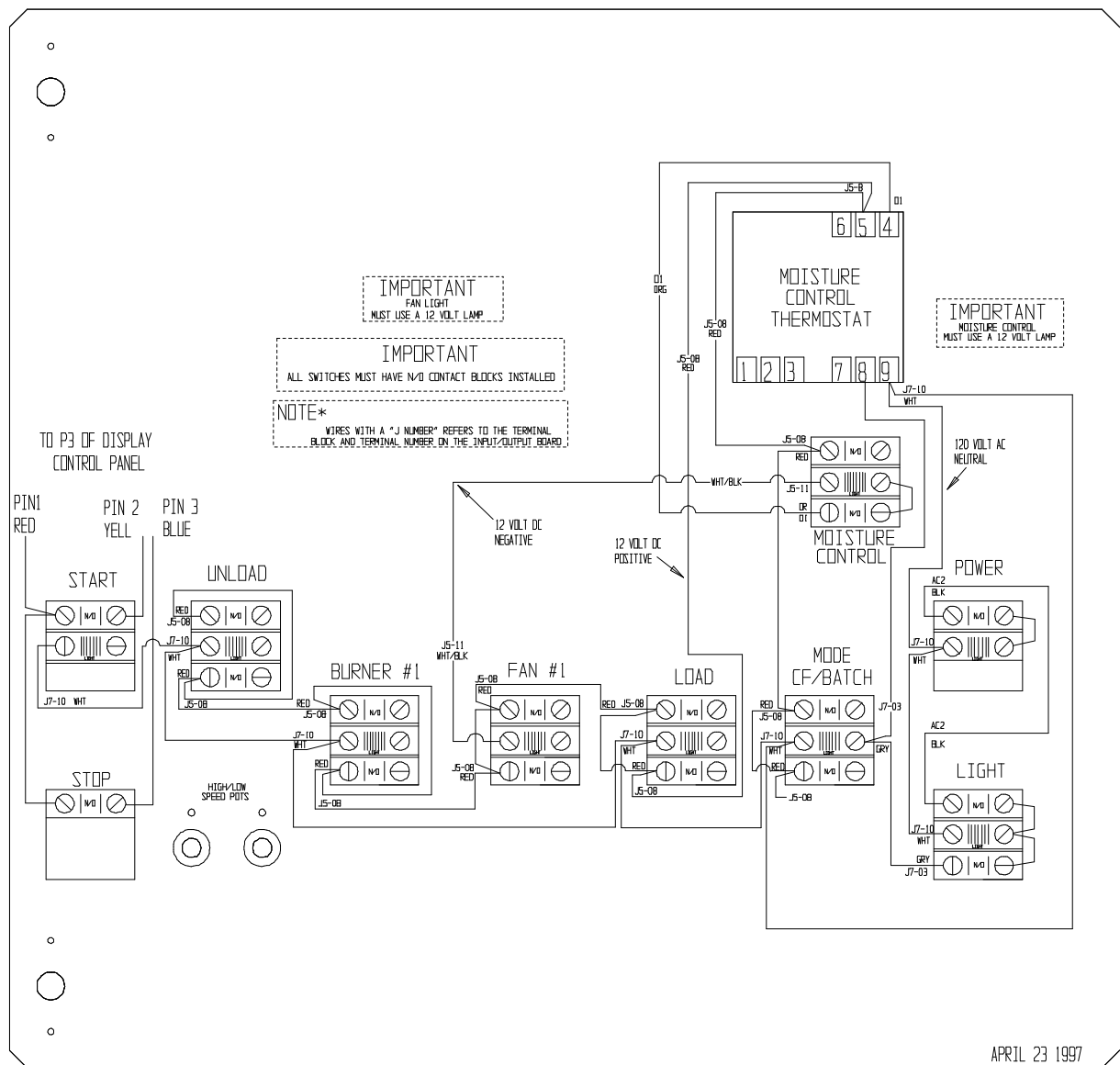
1100 Series Control Box Wiring (New Version)



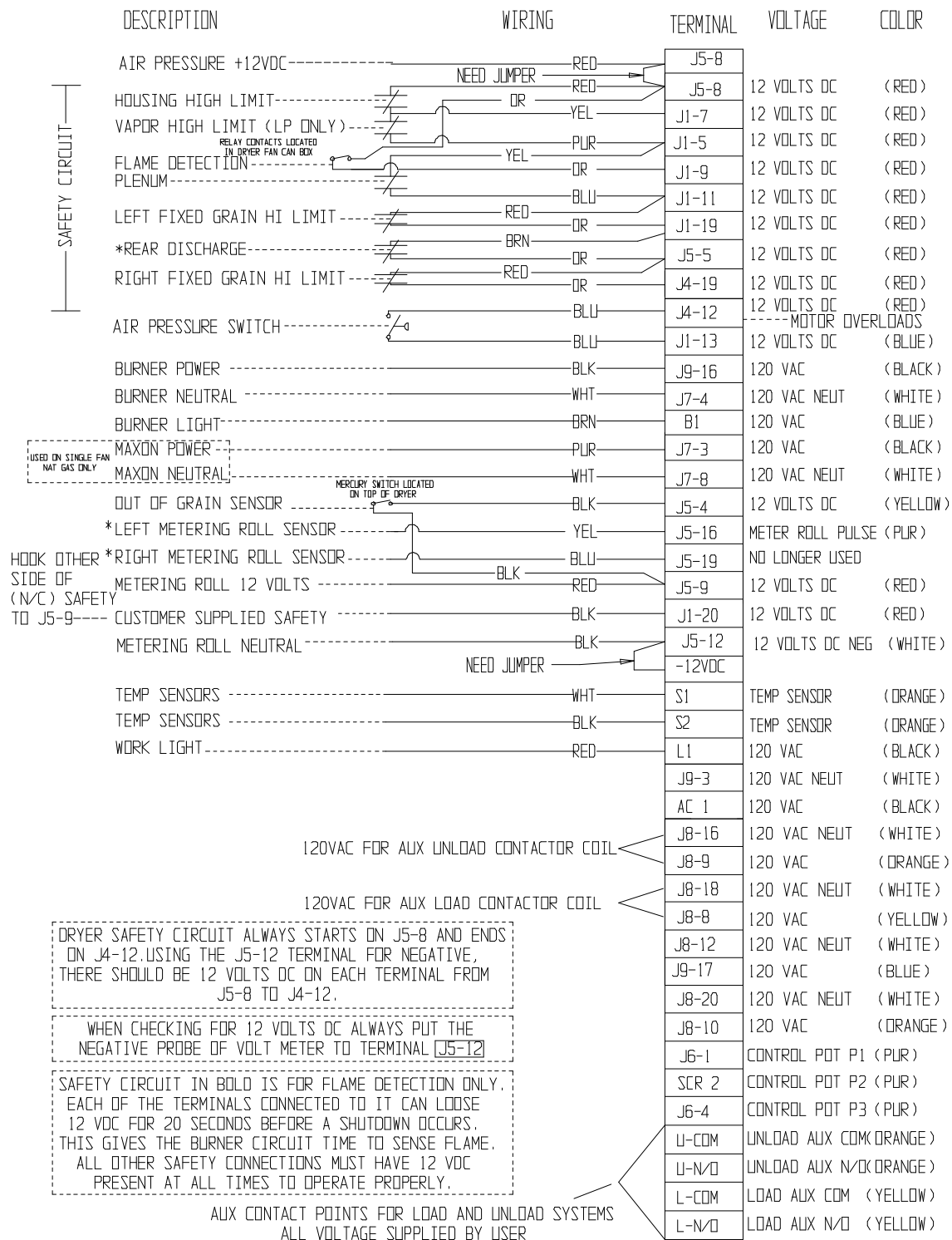
1 Fan Front Panel External Wiring



1 Fan Front Panel Internal Wiring



1100 Fan to Control Box Wiring



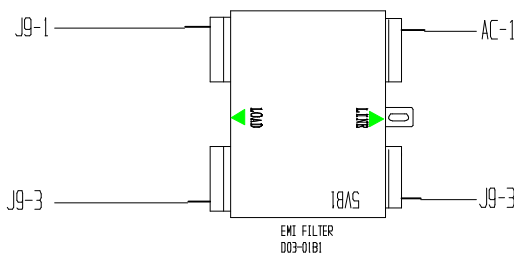
*LOCATED AT REAR OF DRYER

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 - D01-0531 ENTRELEC TERMINALS
 2 - D01-0533 END STOPS
 1 - D01-0532 BLANK PROTECTOR END

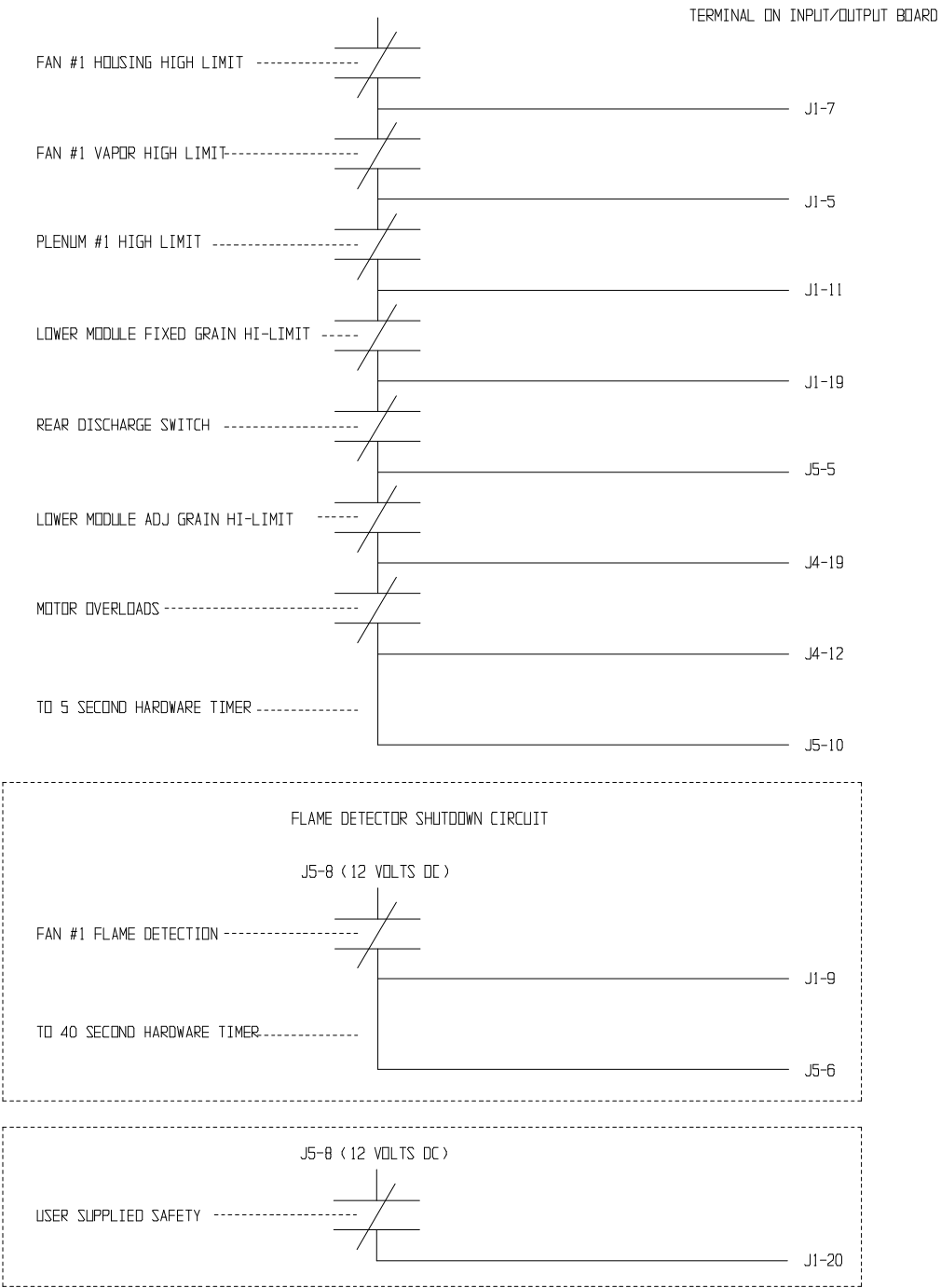
IFANBP98.PRT REV. DATE 3/17/98

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

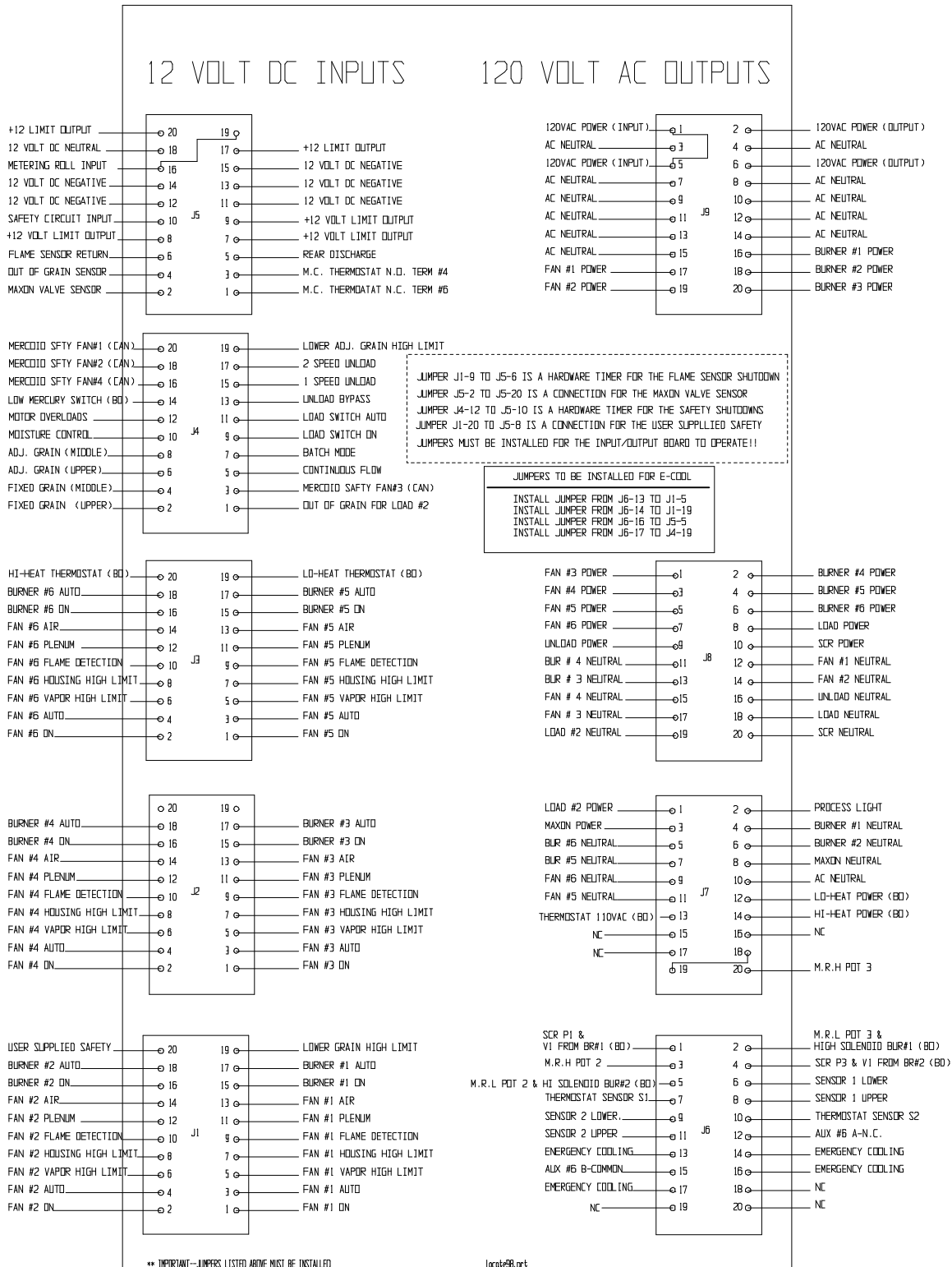
SAFETY DESCRIPTION J5-8 (12 VOLTS DC)

MAY 26 1994



ALL CONNECTIONS MUST HAVE 12 VOLTS DC TO OPERATE

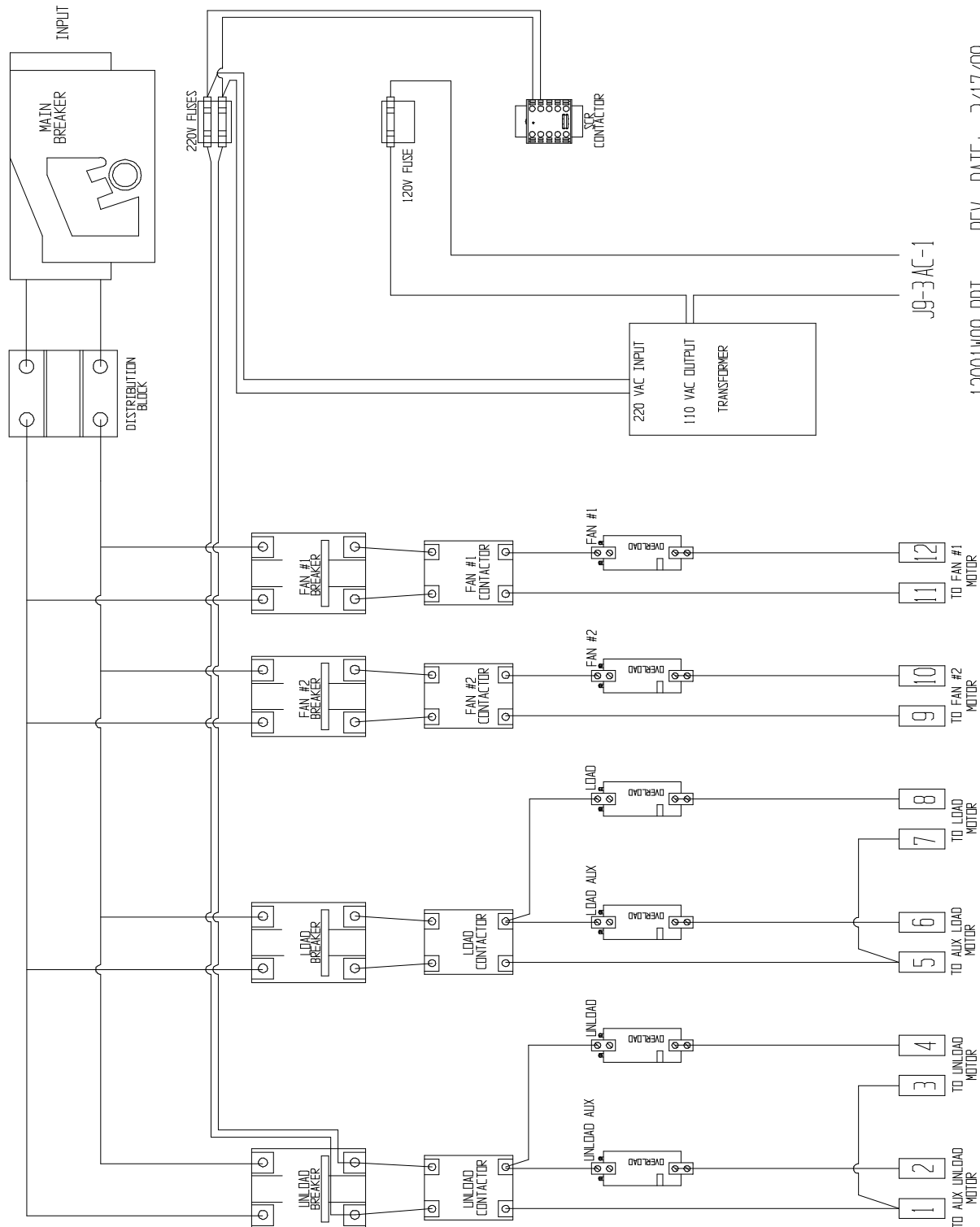
1100 Lower Fan Control Box Interconnect Strip



1200 SERIES

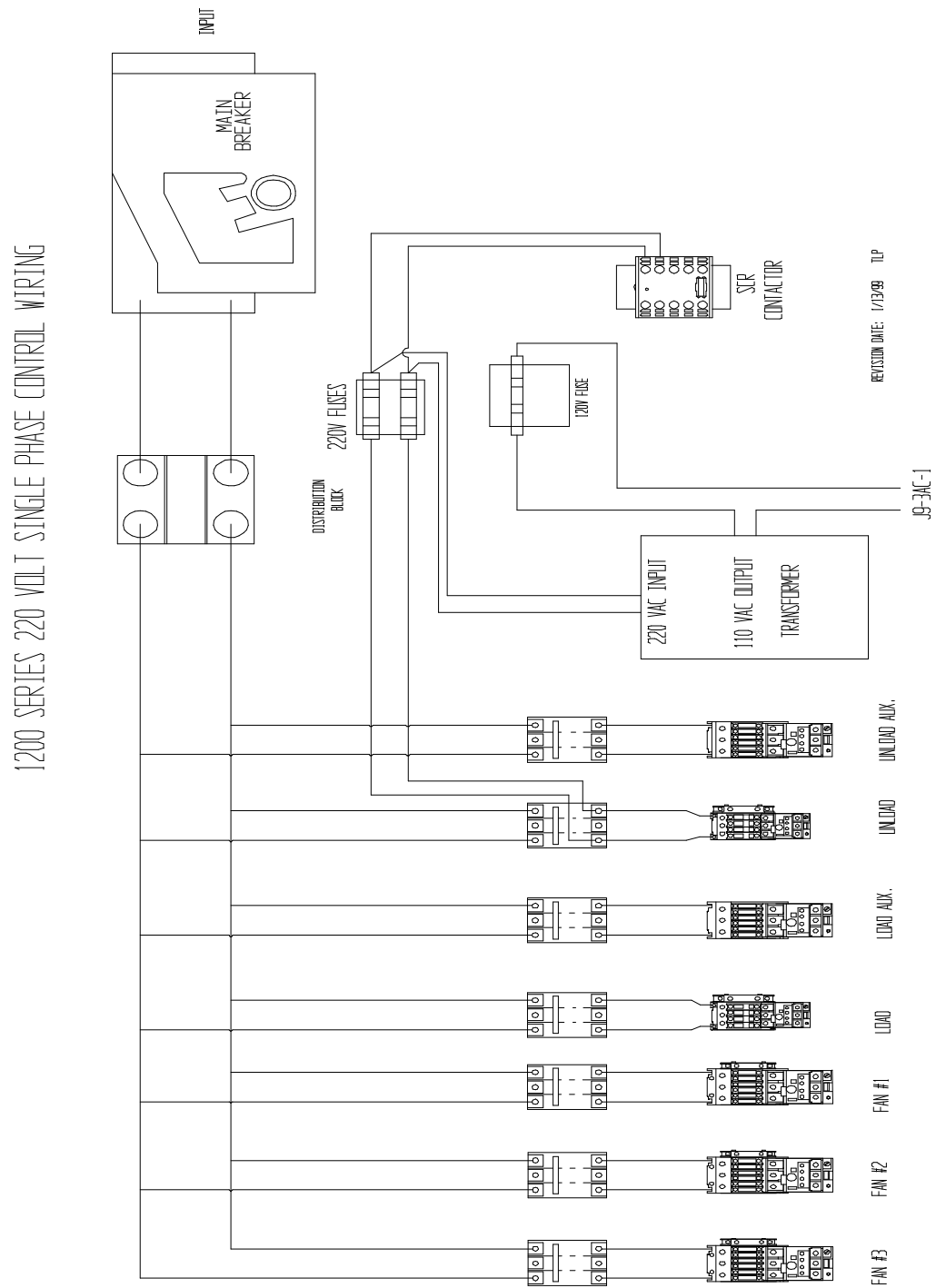
Control Box
Schematics
And
Wiring Diagrams

1200 Series 220 Volt Single Phase Control Wiring

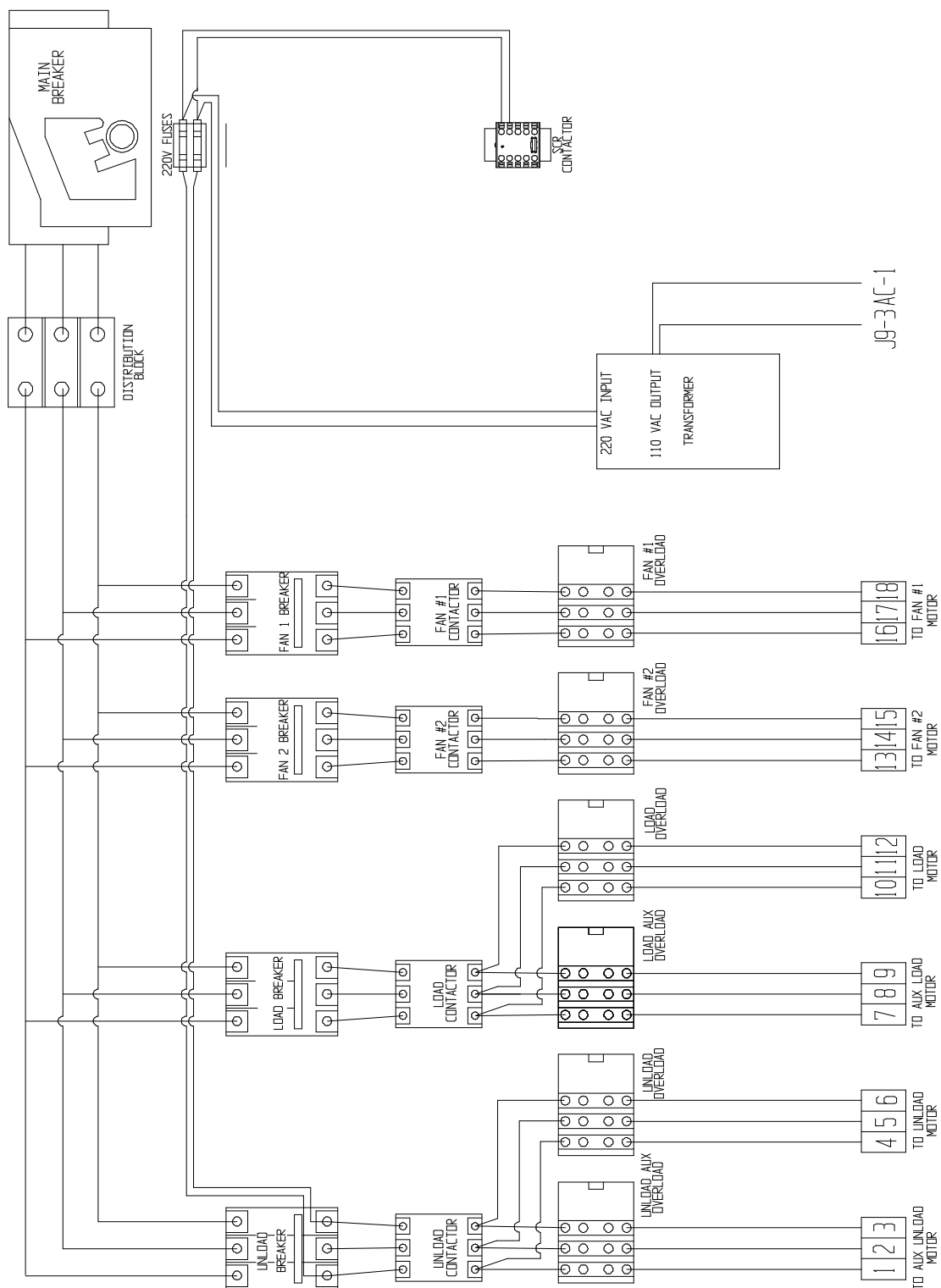


1200IW98.PRT REV. DATE: 3/17/98

1200 Series 220 Volt Single Phase Control Wiring (New Version)

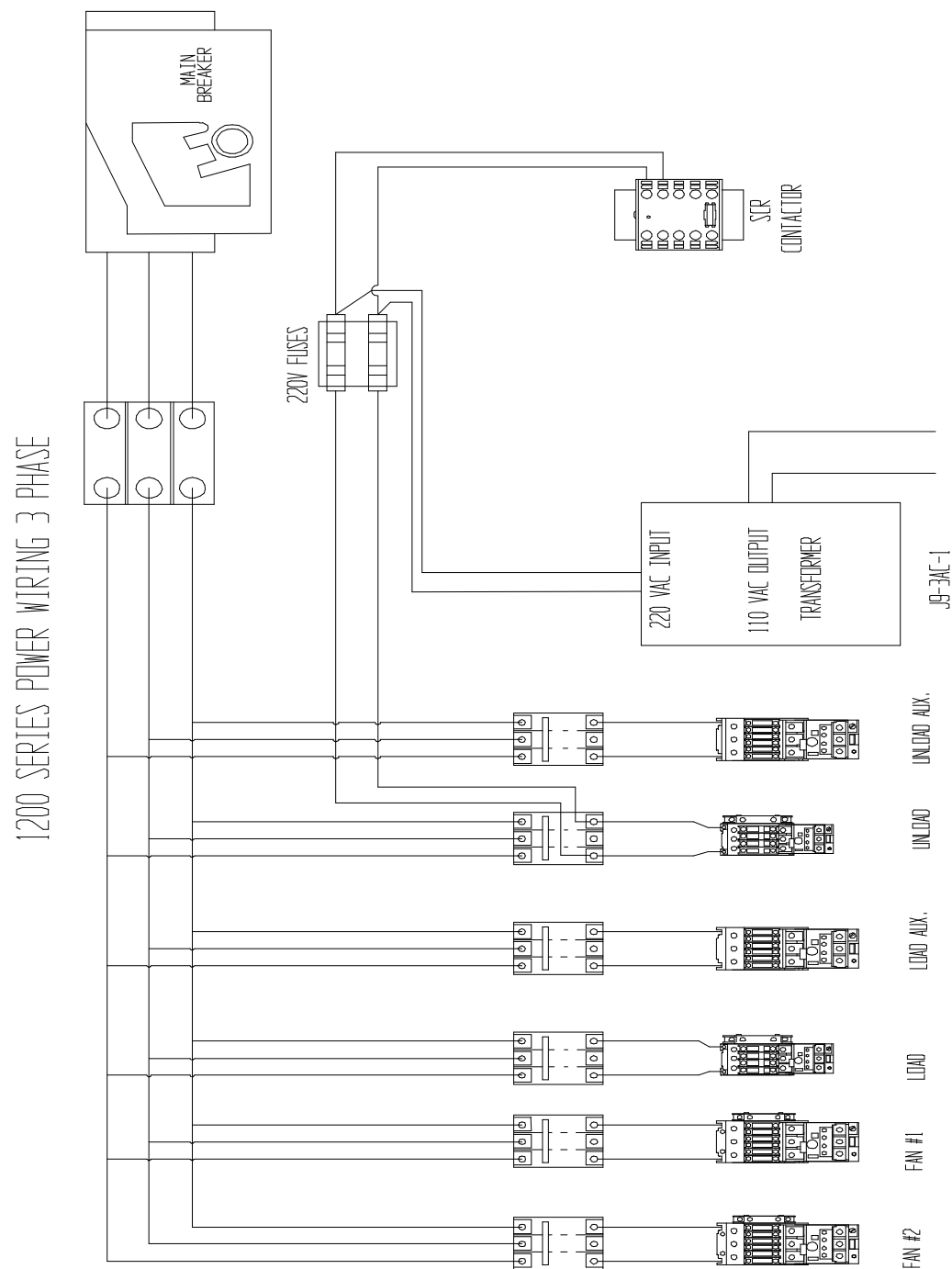


1200 Series 220 Volt Three Phase Power Wiring

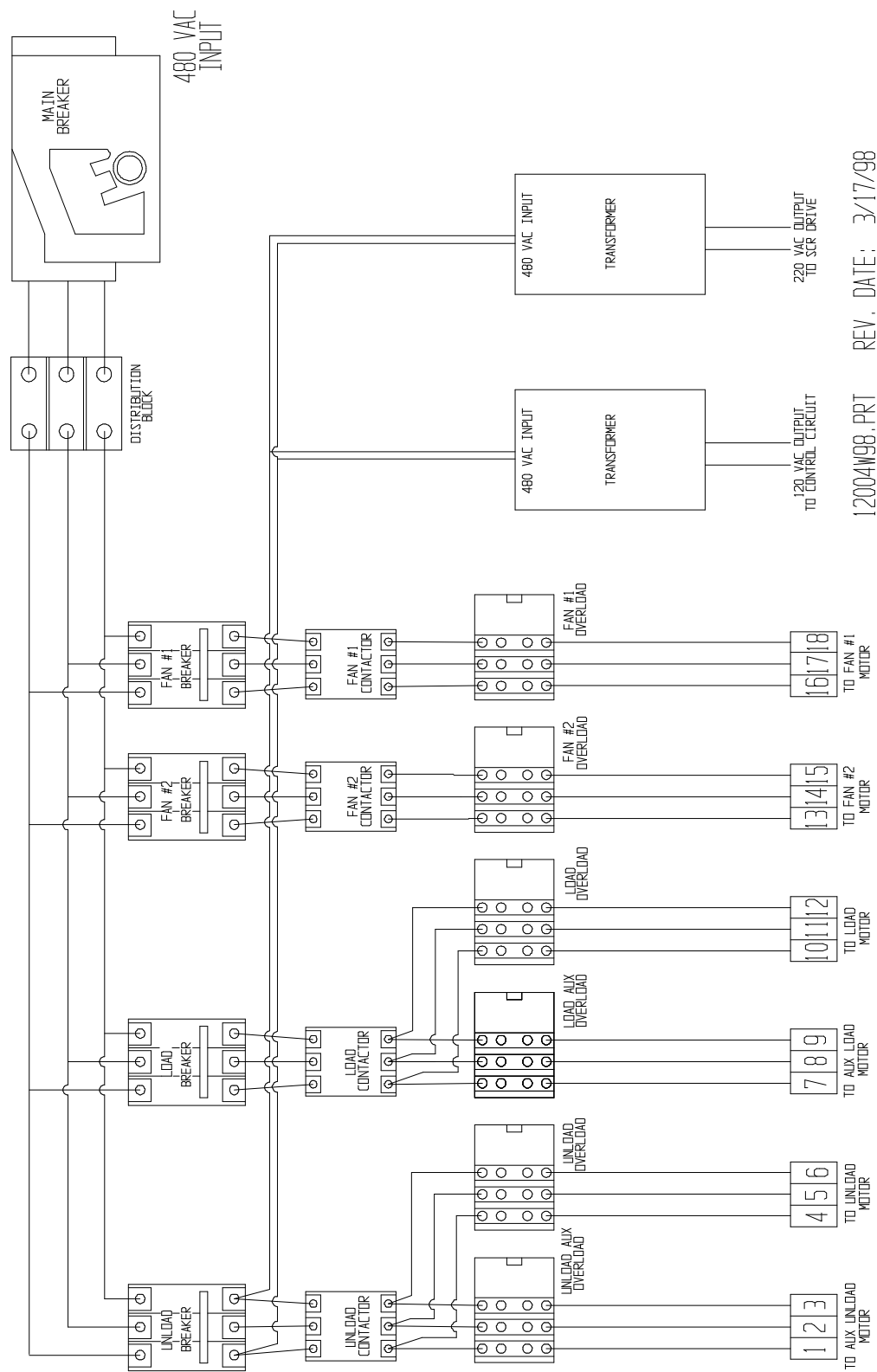


12003W98.PRT REV. DATE: 3/17/98

1200 Series 220 Volt Three Phase Power Wiring (New Version)

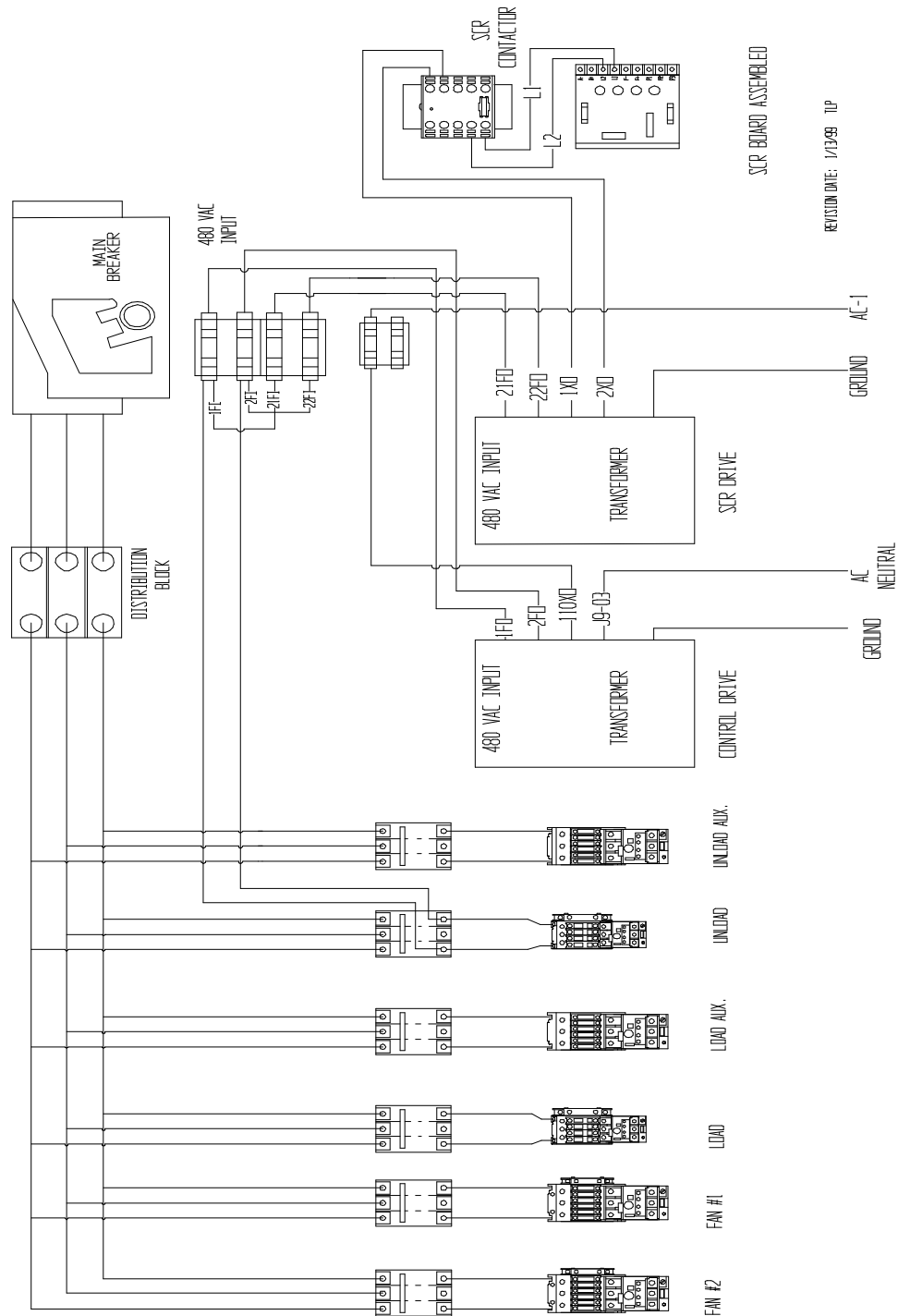


1200 Series 440 Volt Three Phase Power Wiring

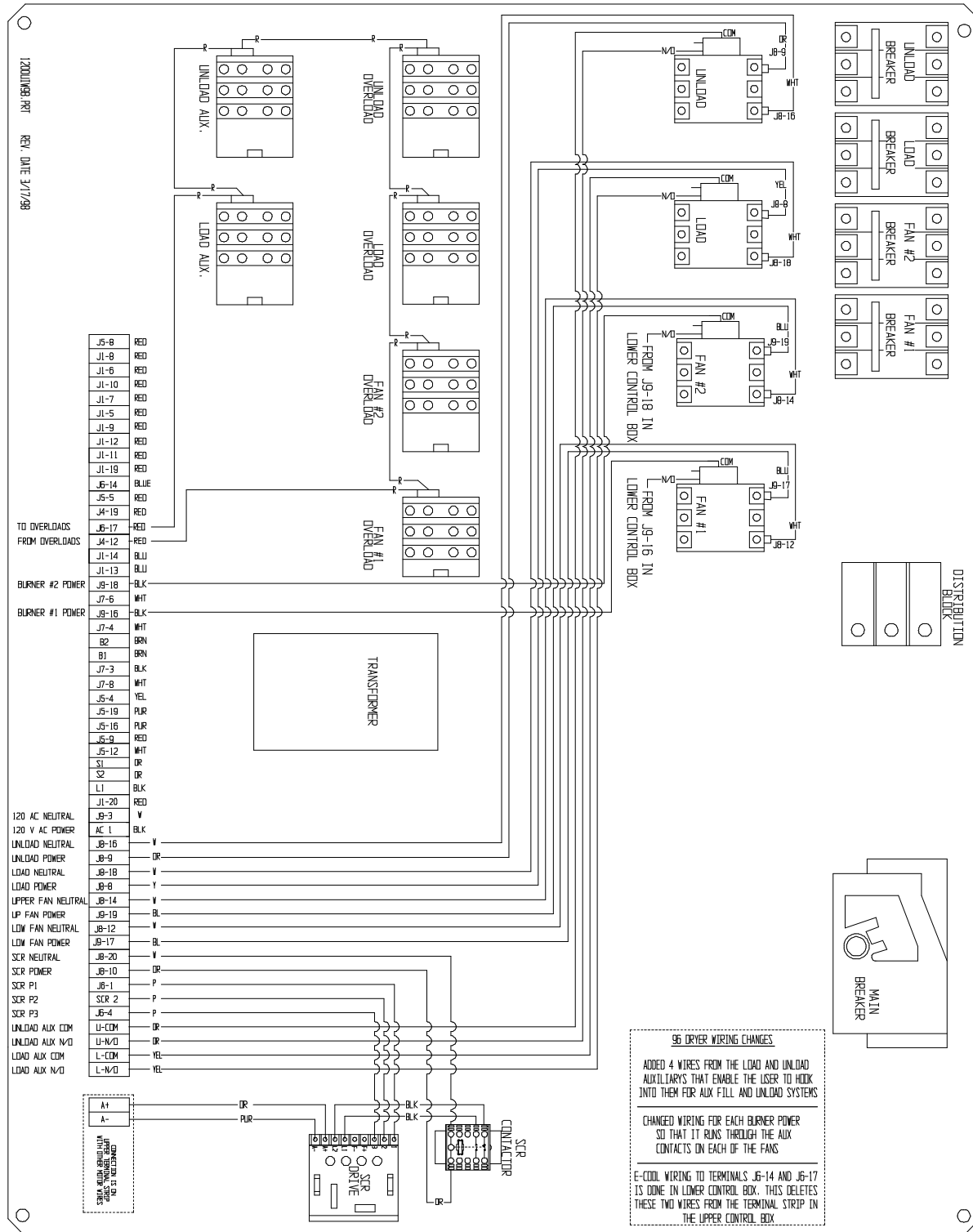


REV. DATE: 3/17/98
12004W98.PRT

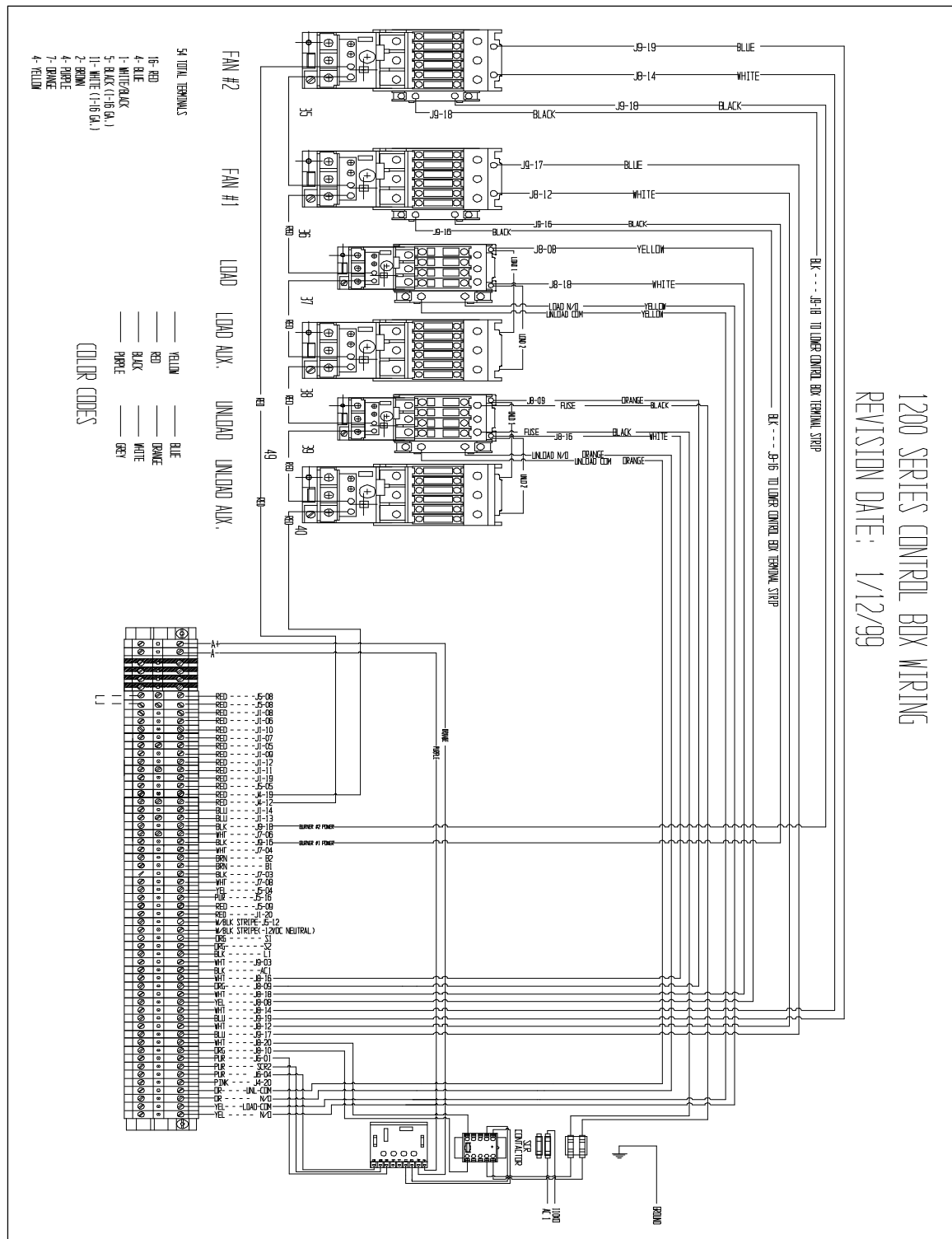
1200 SERIES 440 VOLT 3 PHASE POWER WIRING



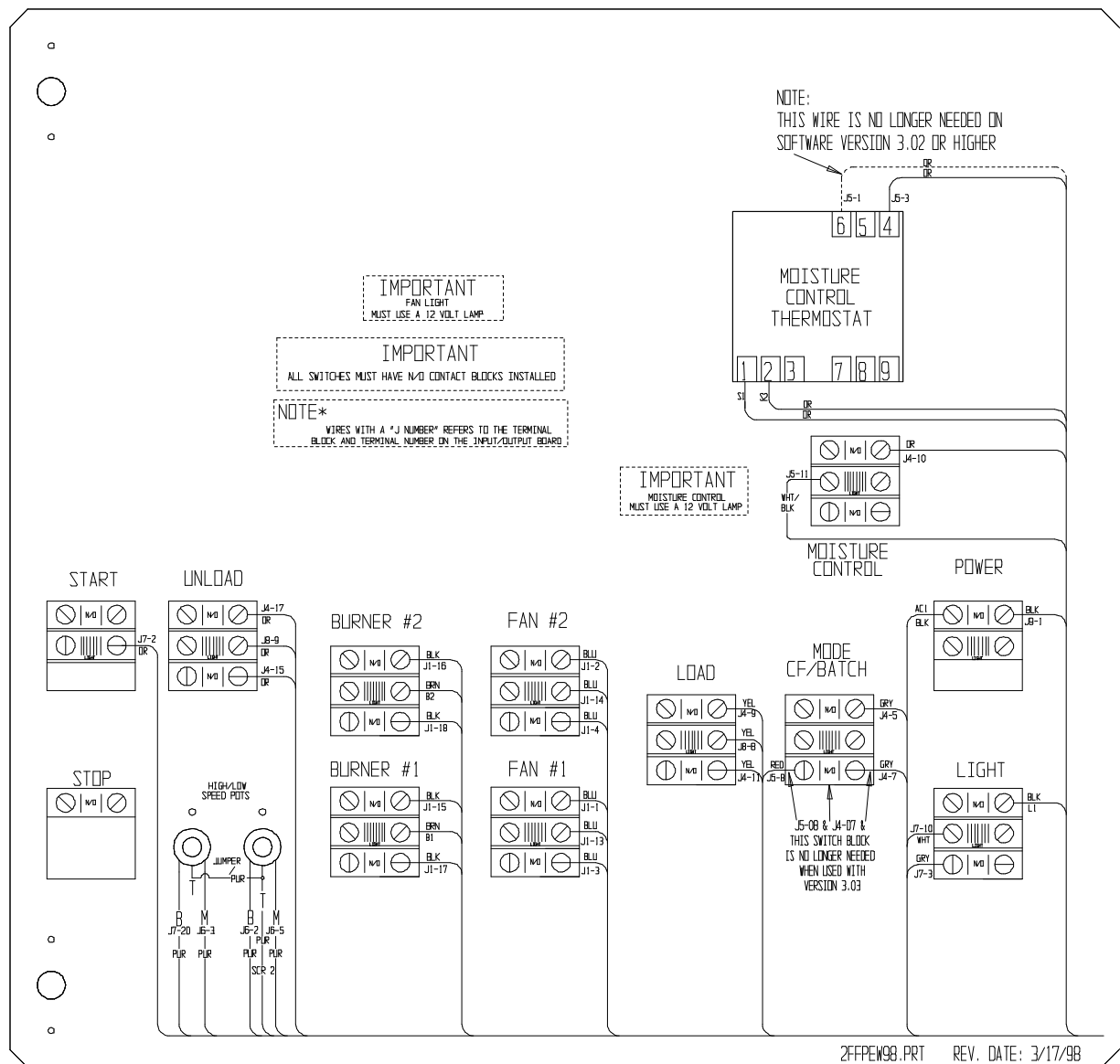
1200 Series Control Wiring



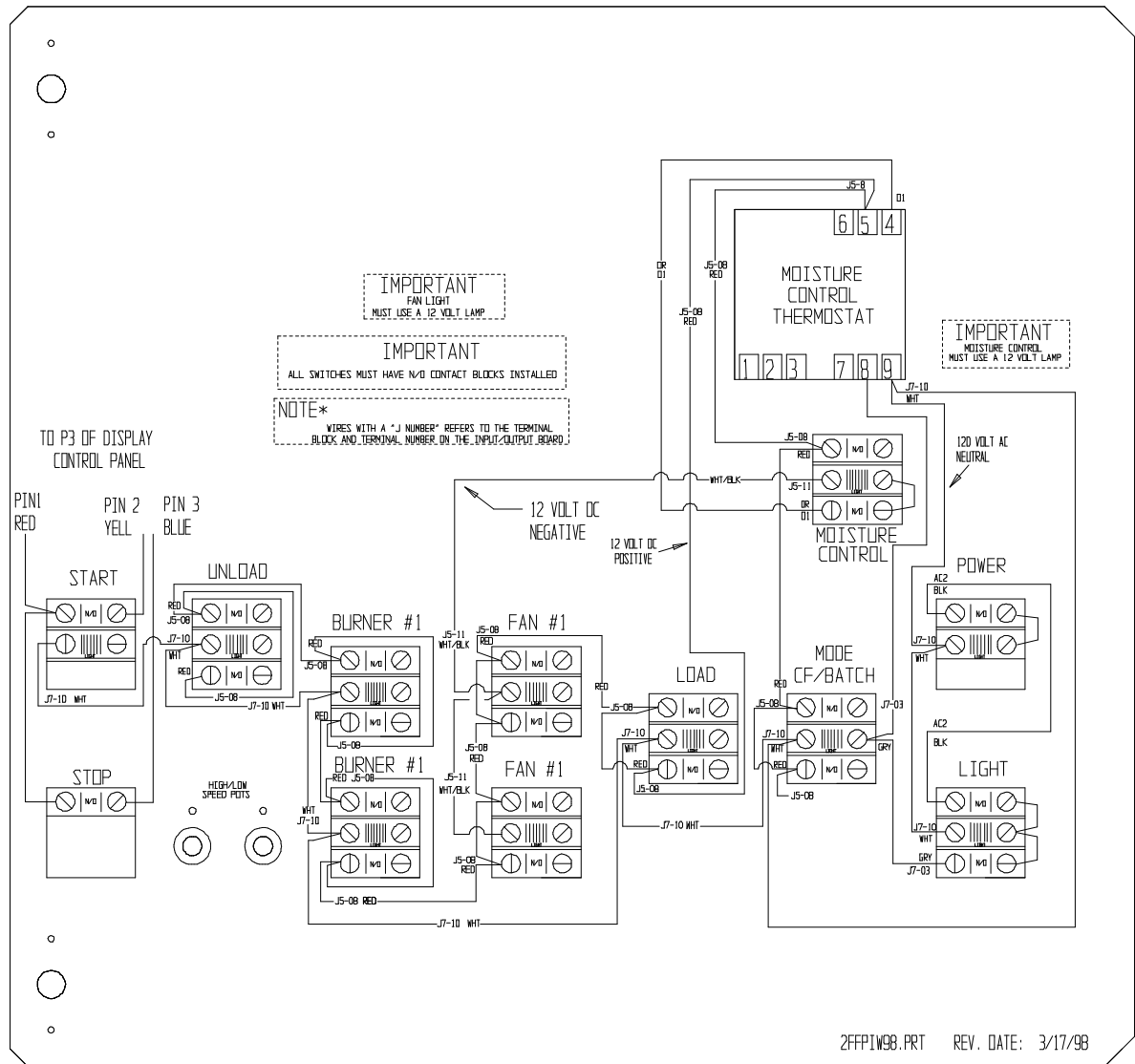
1200 SERIES CONTROL BOX WIRING
REVISION DATE: 1/12/99



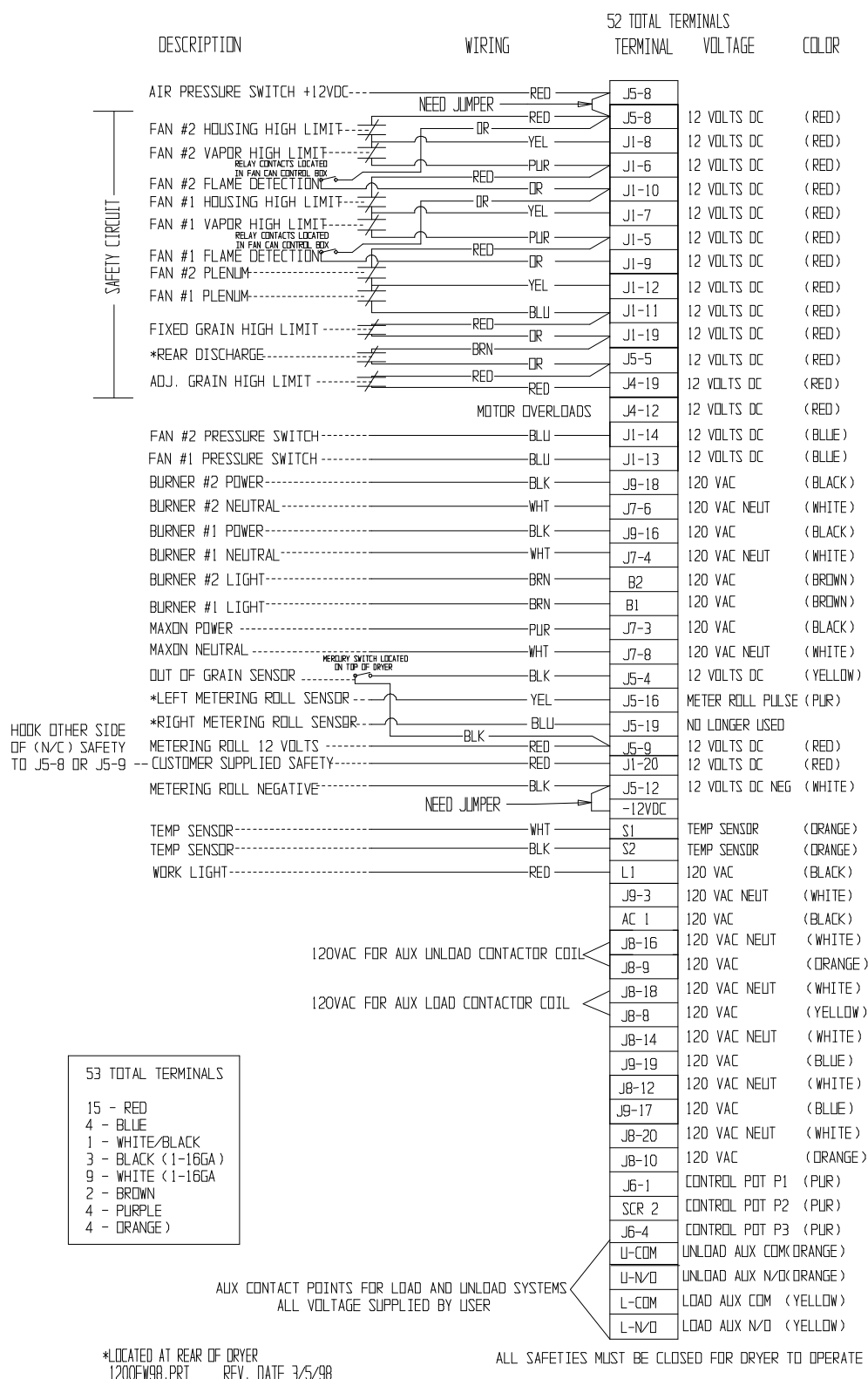
2 Fan Front Panel External Wiring



2 Fan Front Panel Internal Wiring

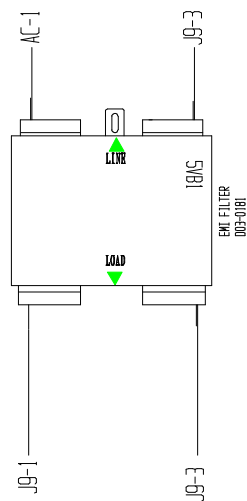


1200 Fan to Control Box Wiring



1200 Fan Lower Control Box Interconnect Strip

J9-1						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

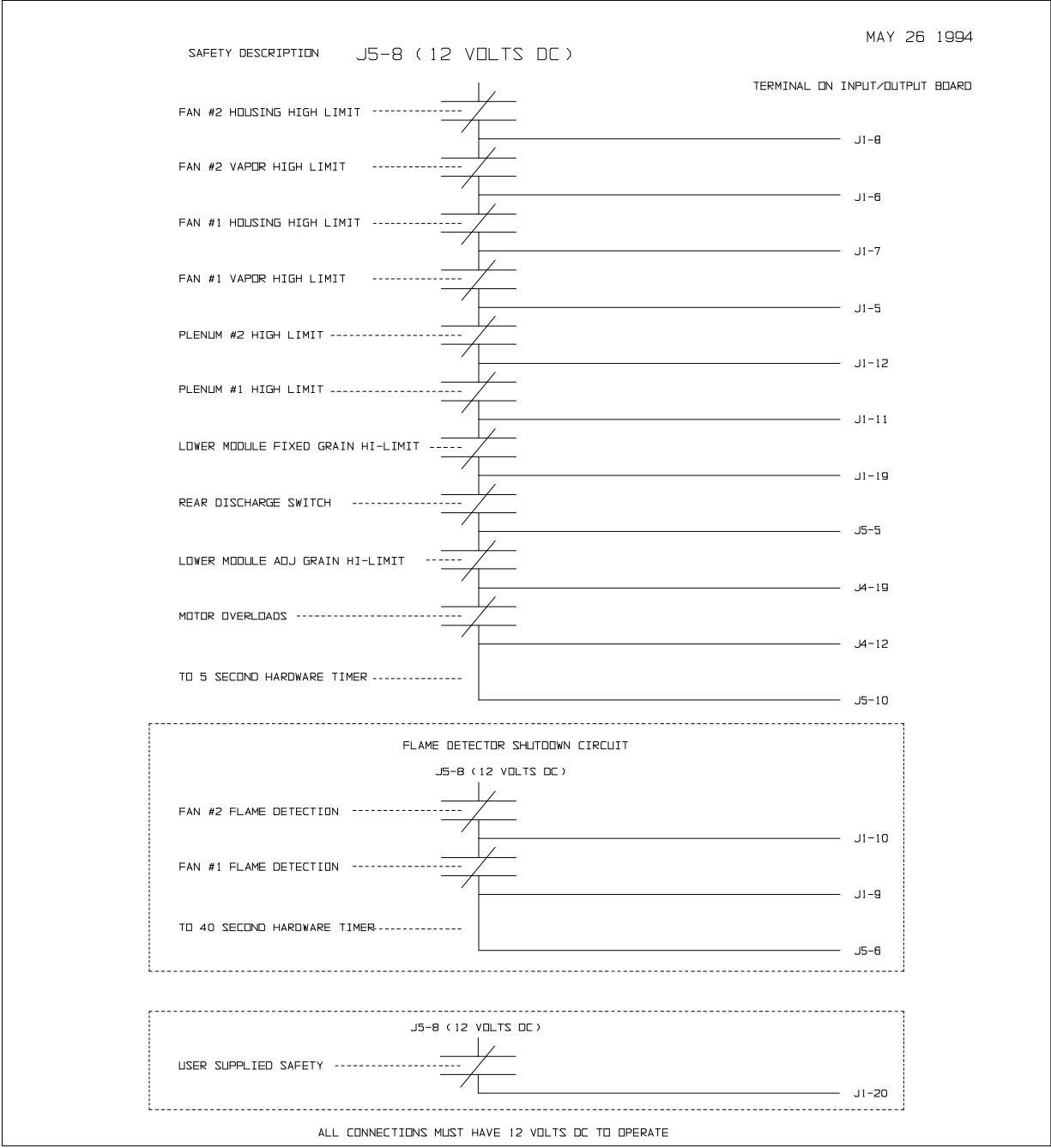


EMERGENCY COOLING JUMPERS
INSTALL J6-13 TO J1-5
INSTALL J6-14 TO J1-19
INSTALL J6-16 TO J5-5
INSTALL J6-17 TO J4-19

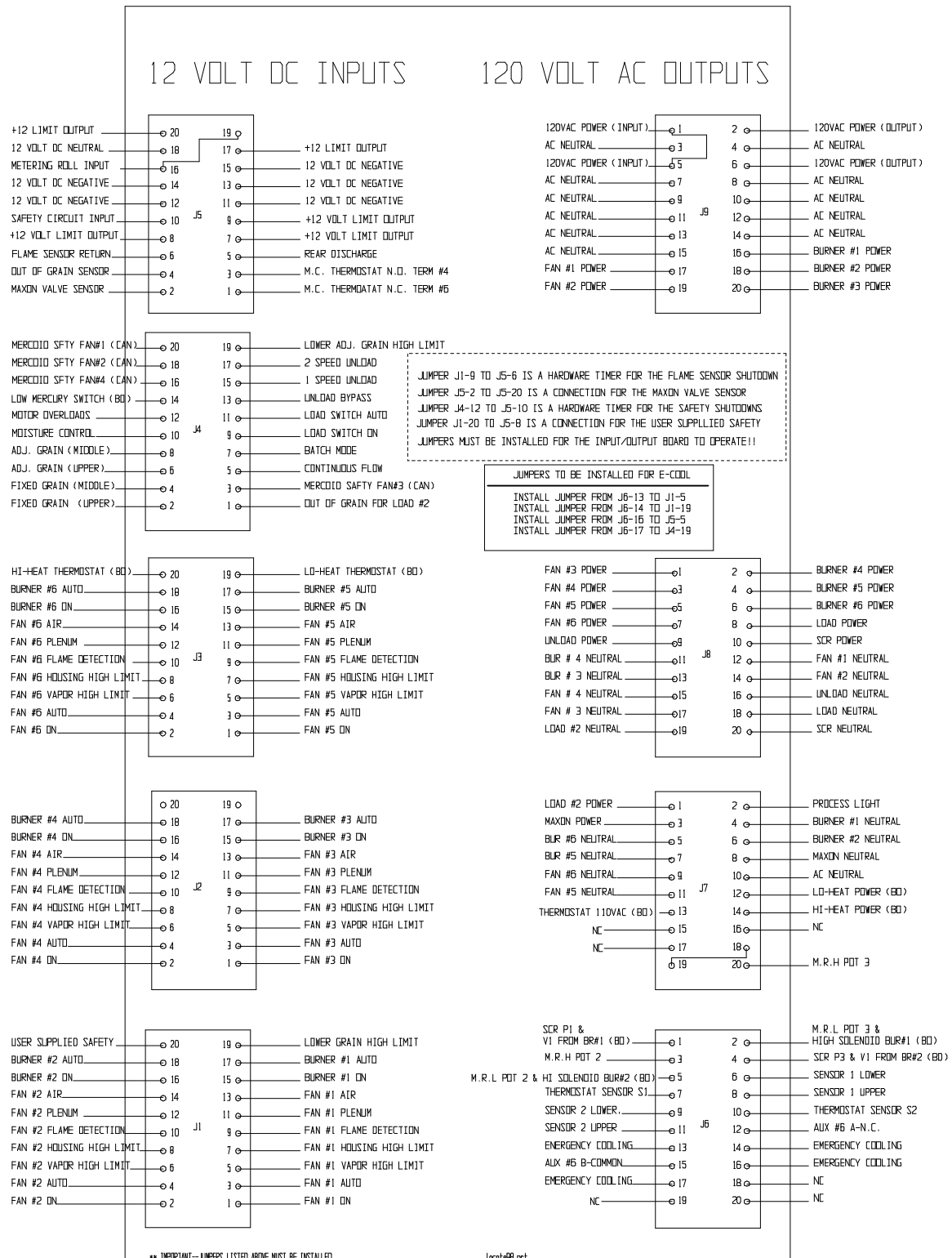
I/O BOARD JUMPERS
INSTALL J1-9 TO J5-6
INSTALL J5-2 TO J5-20
INSTALL J4-12 TO J5-10
INSTALL J9-1 TO J9-5

45 - 001-0531 ENTRELEC. TERMINALS
2 - 001-0533 END STOPS
1 - 001-0532 BLANK PROTECTOR ENDS
2FANLP98.PRT REV. DATE: 3/17/98

1200 Series Safety Wiring Diagram



1200 Fan Lower Control Box Interconnect Strip

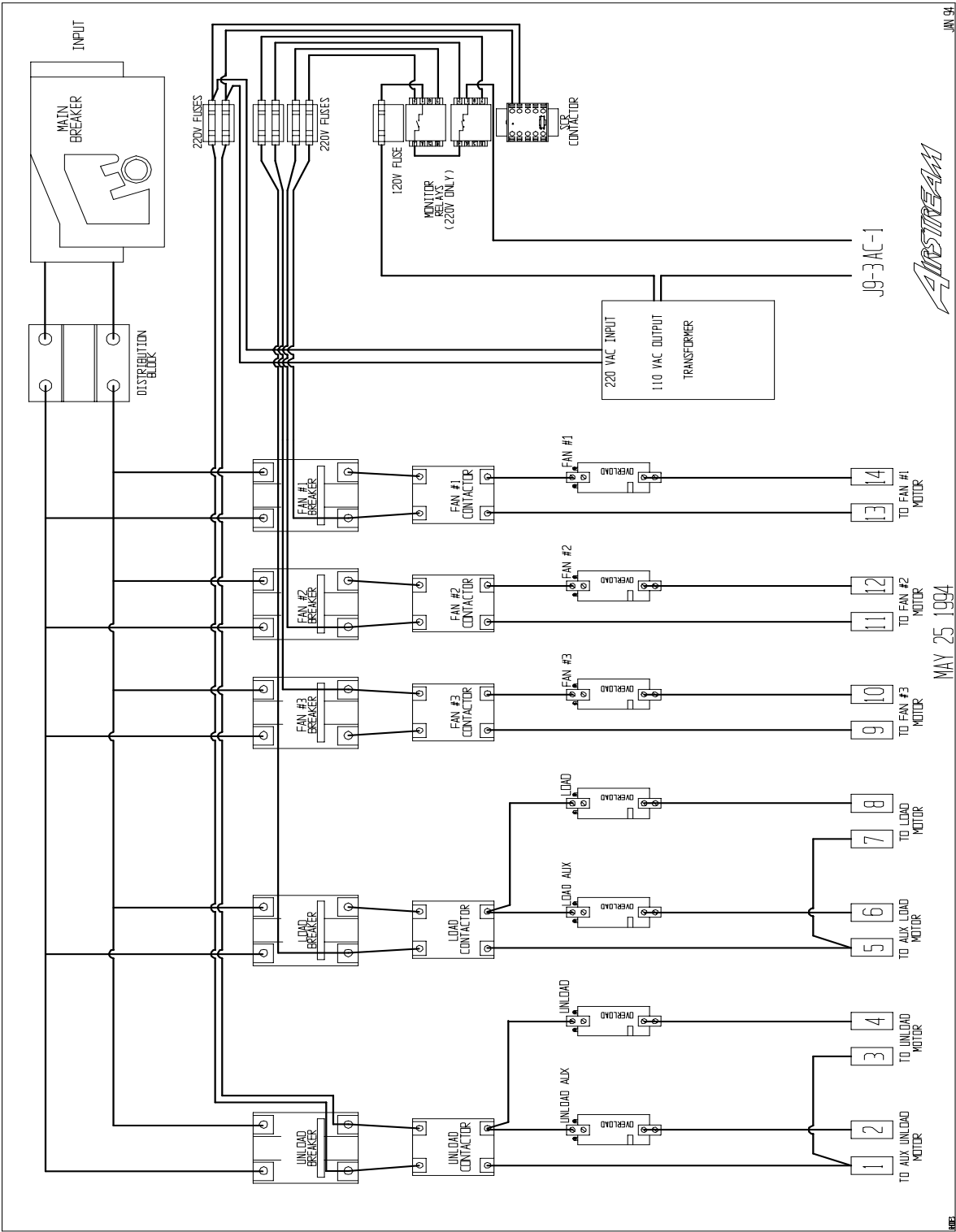


1300 Series

Control Box
Schematics
And
Wiring Diagrams

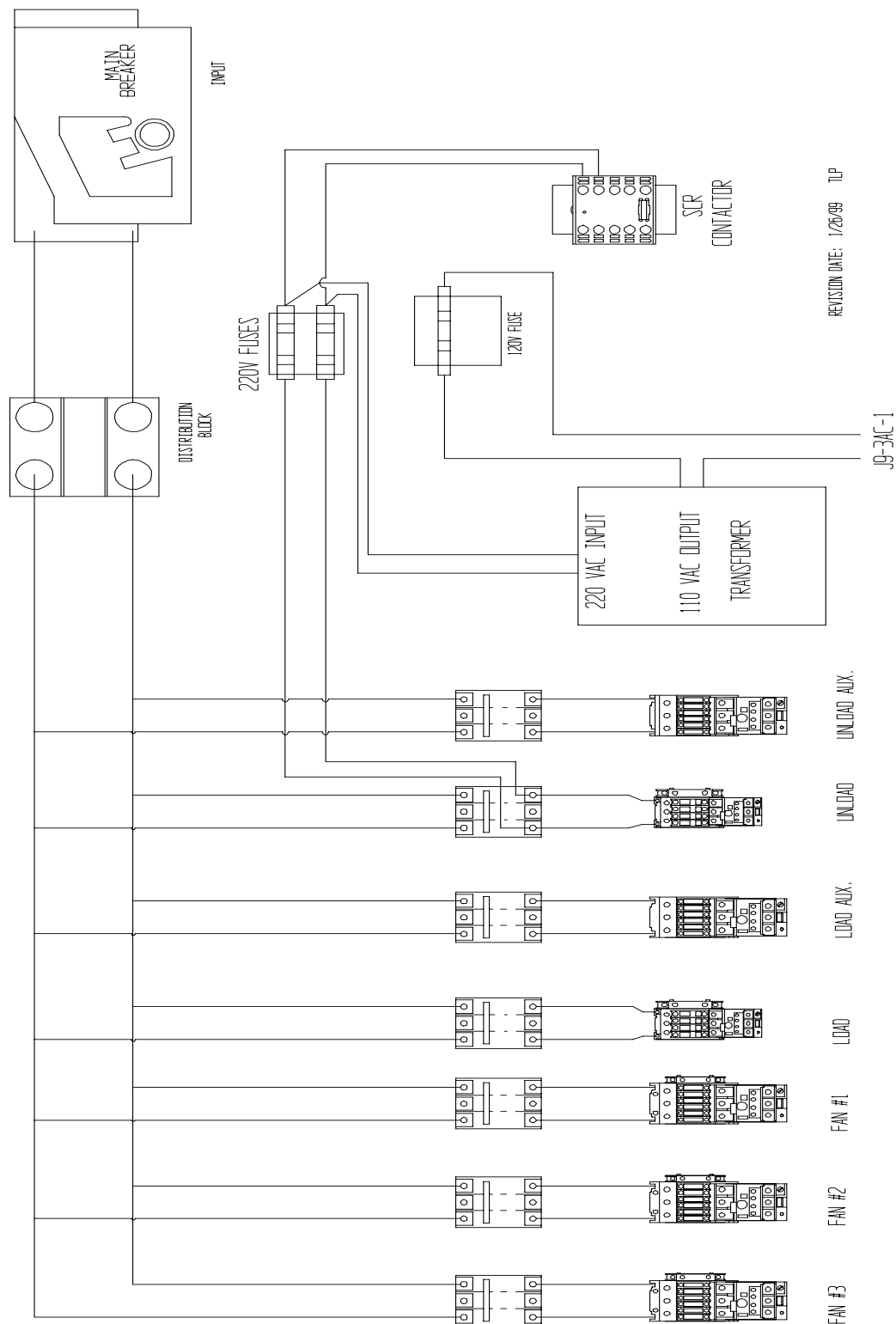
1300 Series 220 Volt Single Phase Power Wiring

1300 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING



1300 Series 220 Volt Single Phase Power Wiring (New Version)

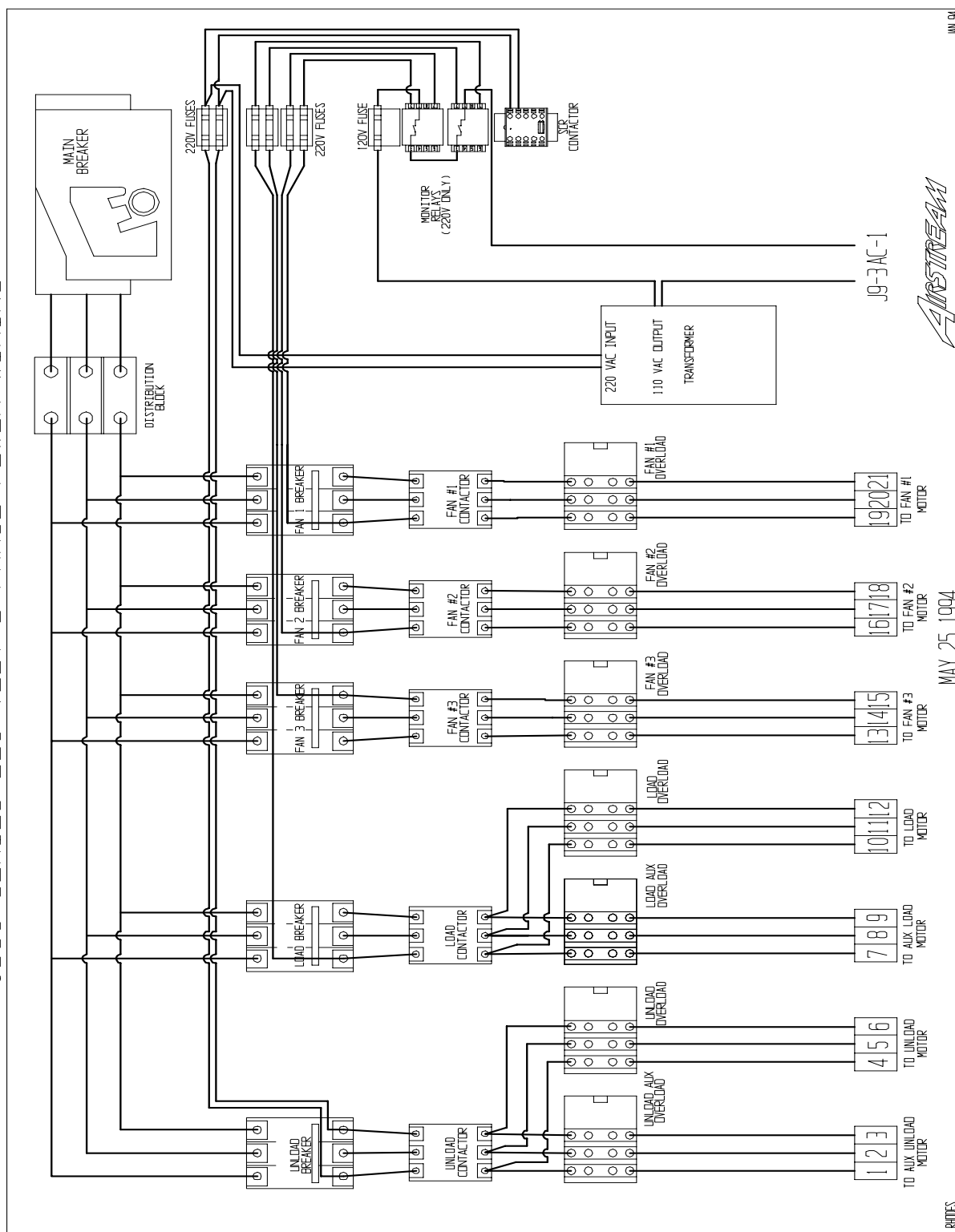
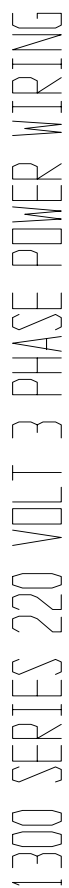
1300 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING



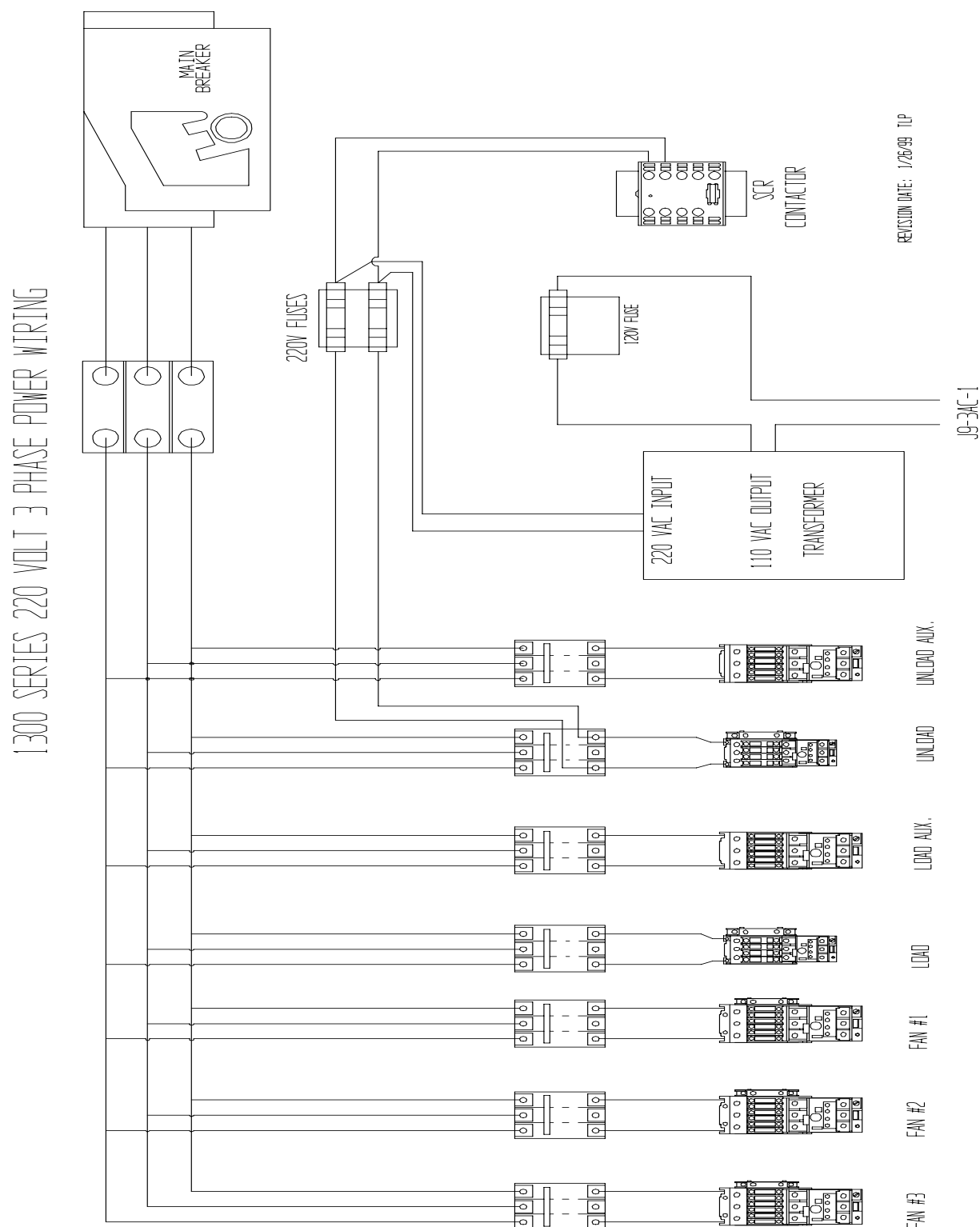
REVISION DATE: 1/26/99 TLP

FAN #3 FAN #2 FAN #1 LOAD LOAD AUX. UNLOAD UNLOAD AUX. UNLOAD

1300 Series 220 Volt Three Phase Power Wiring

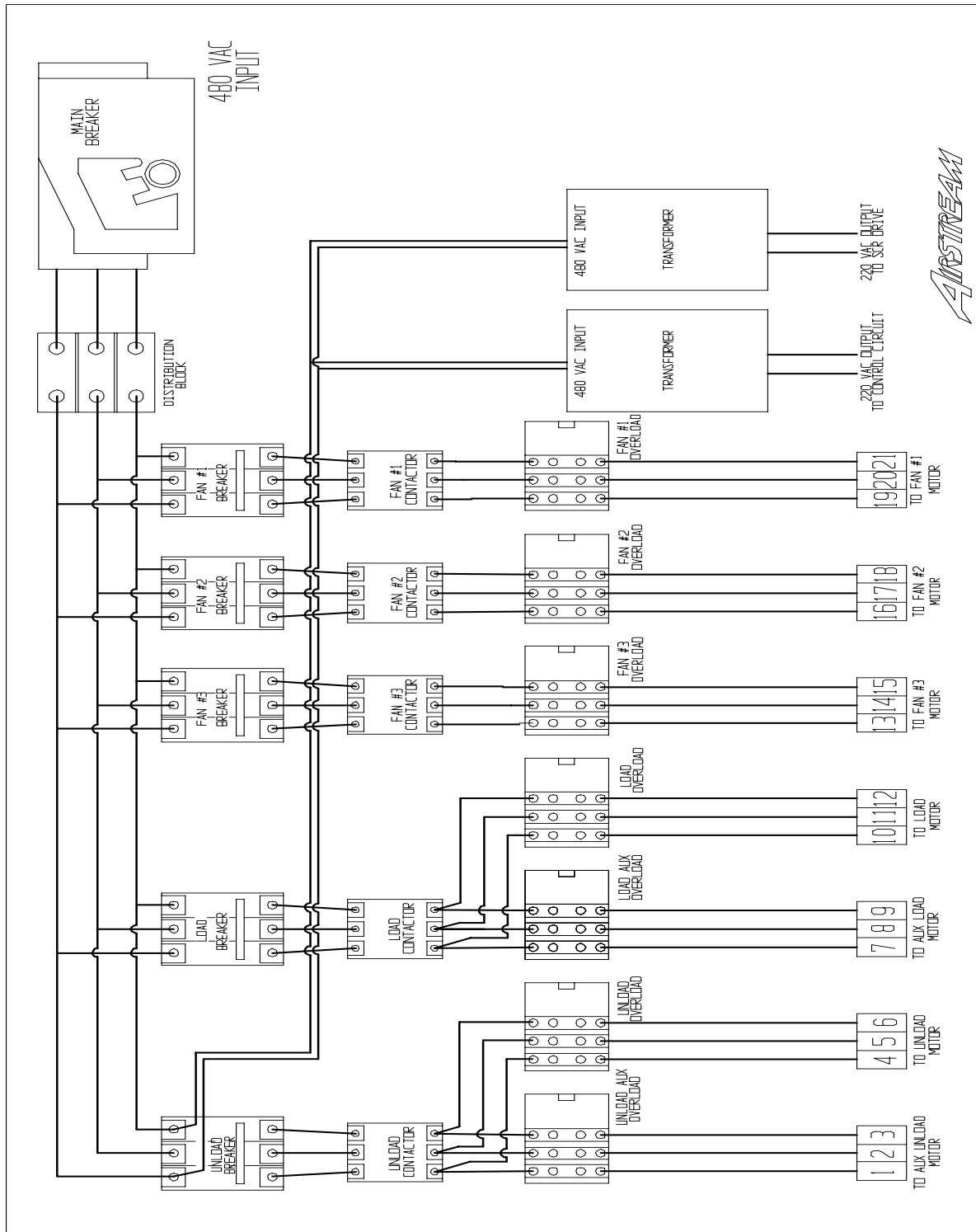


1300 Series 220 Volt Three Phase Power Wiring (New Version)

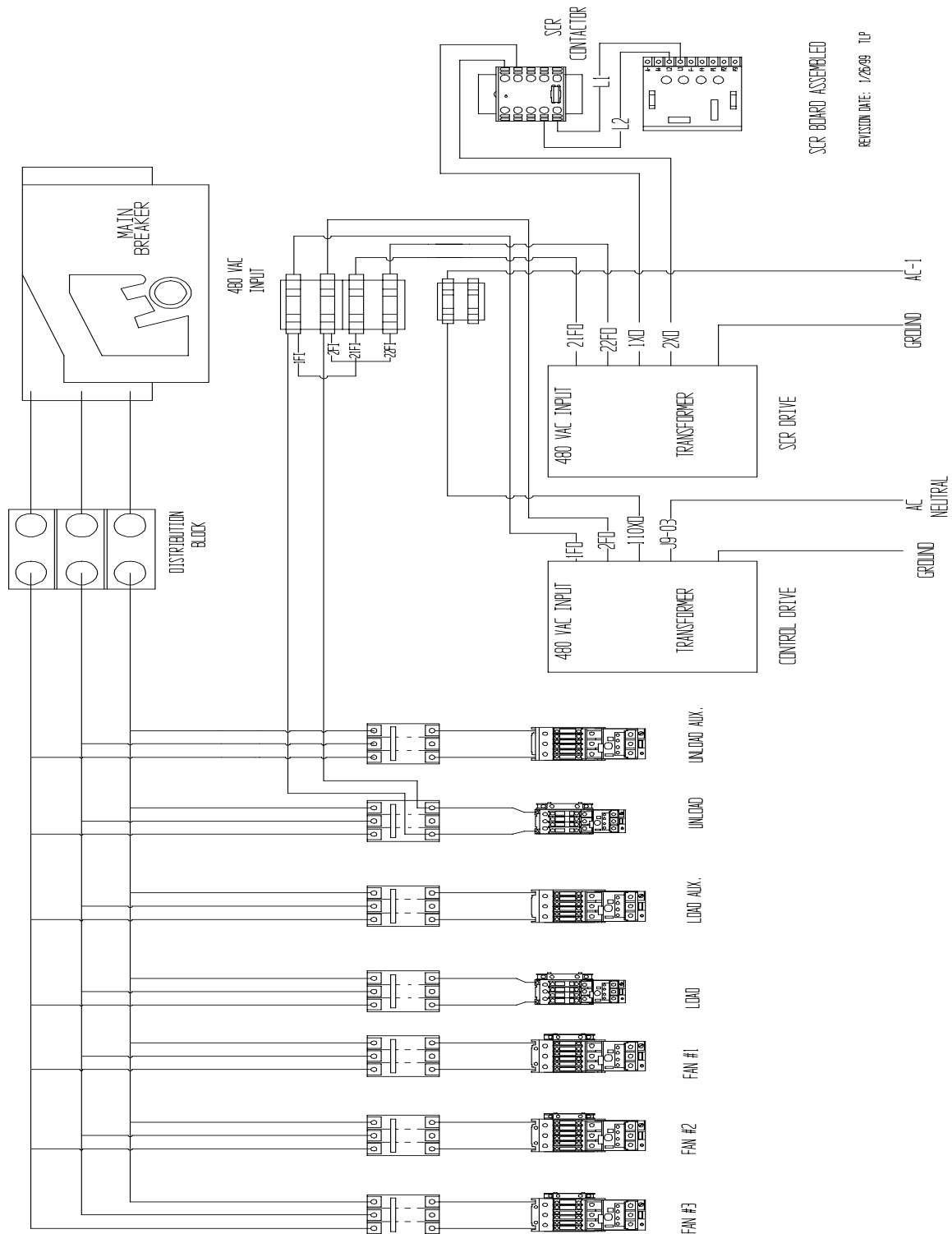


1300 Series 440 Volt Three Phase Power Wiring

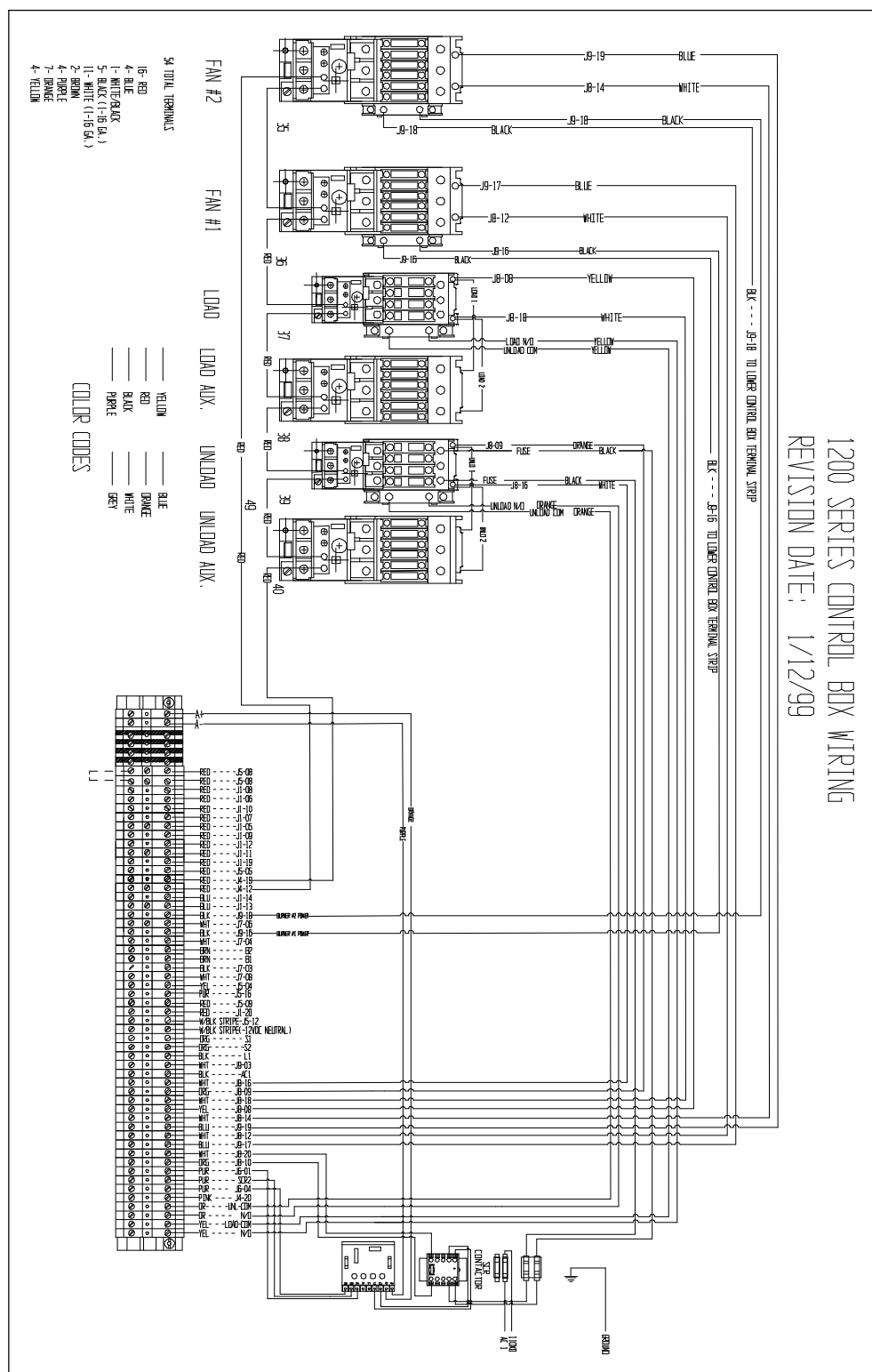
1300 SERIES 440 VOLT 3 PHASE POWER WIRING



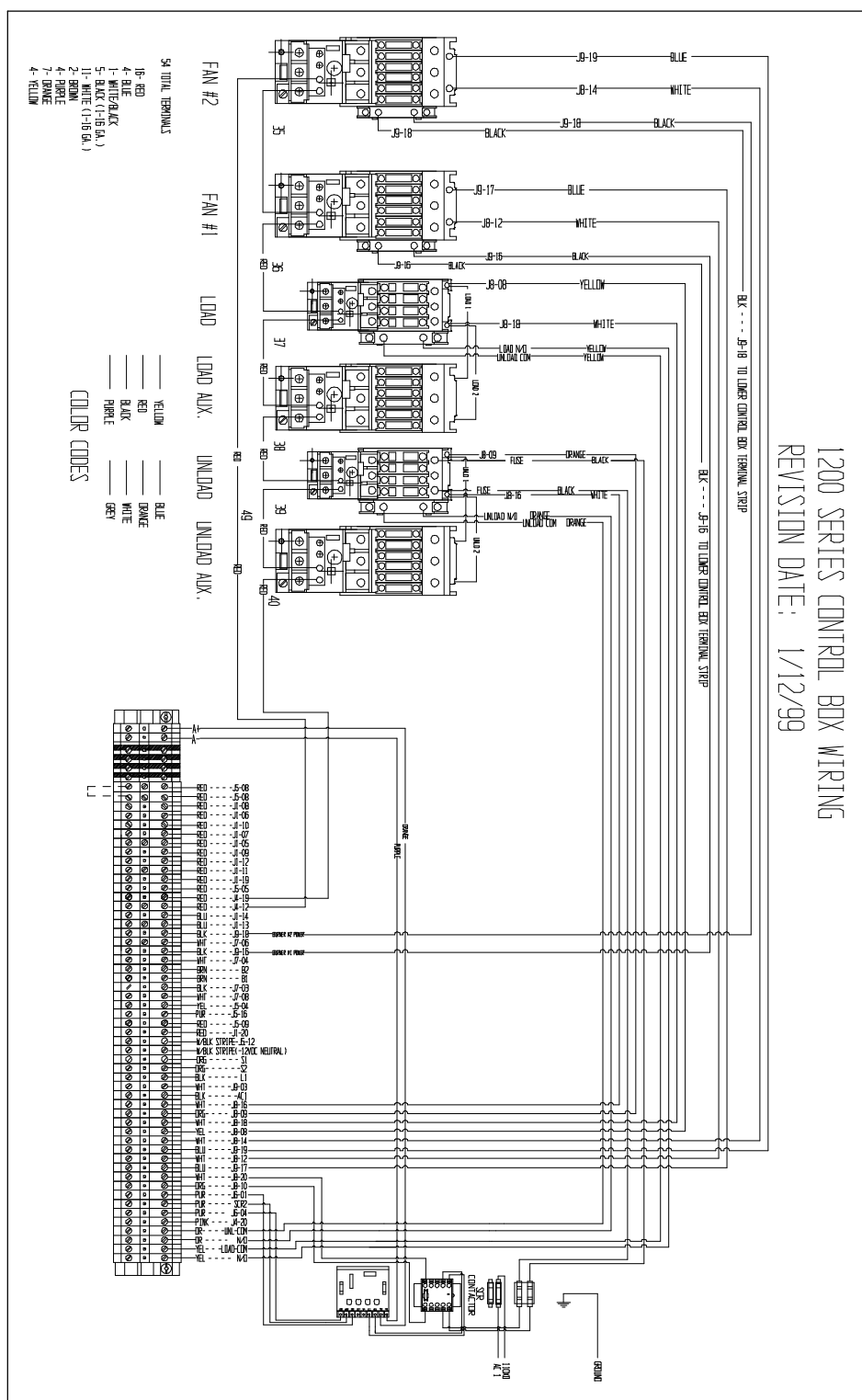
1300 SERIES 440 VOLT 3 PHASE POWER WIRING



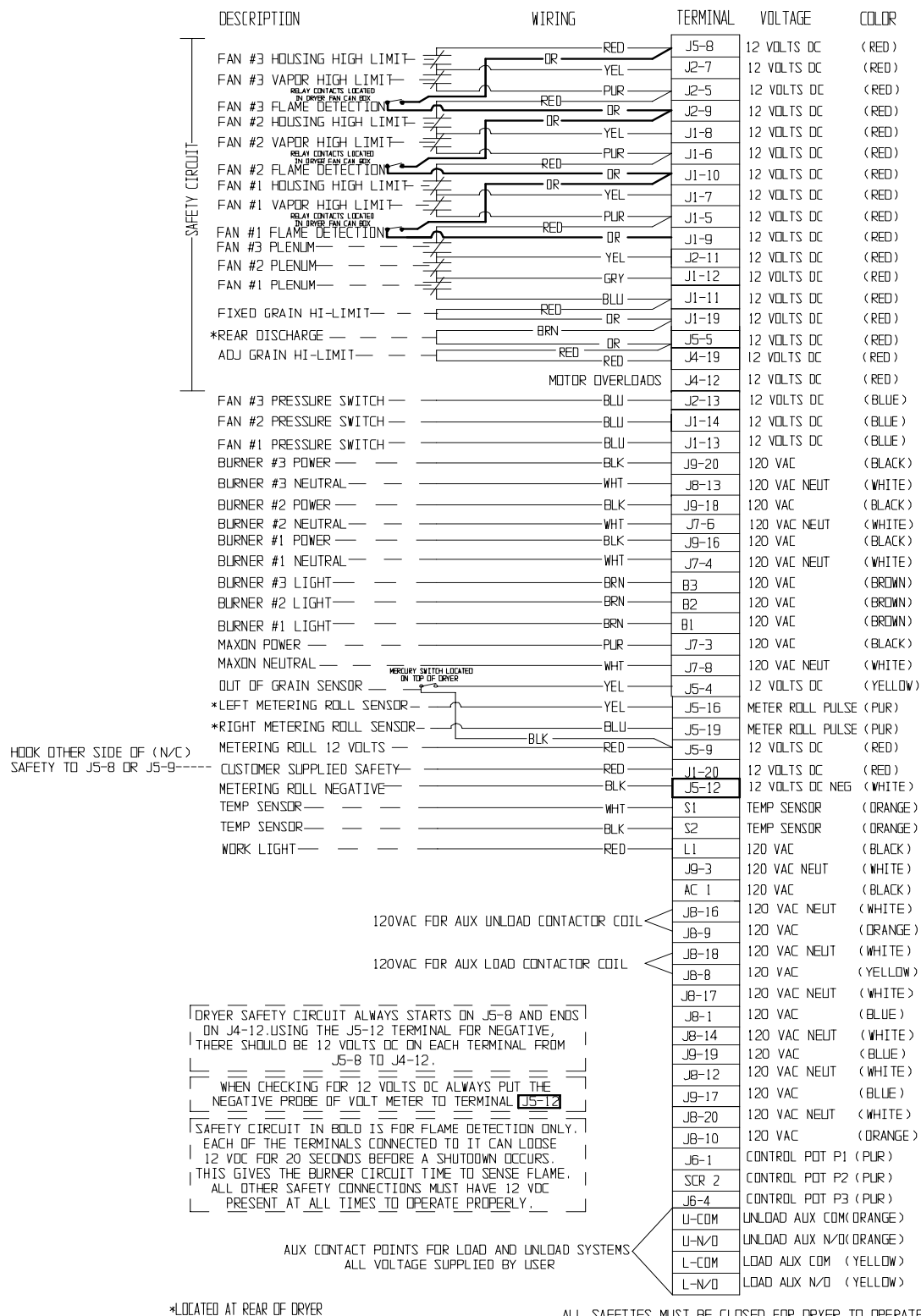
1300 Series Control Box Wiring



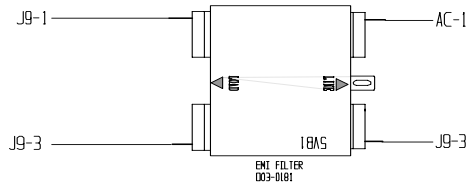
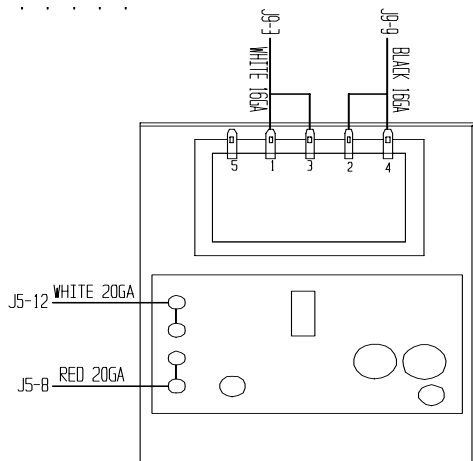
1300 Series Control Box Wiring



1300 Fan To Control Box Wiring



1300 Fan Lower Control Box Interconnect Strip



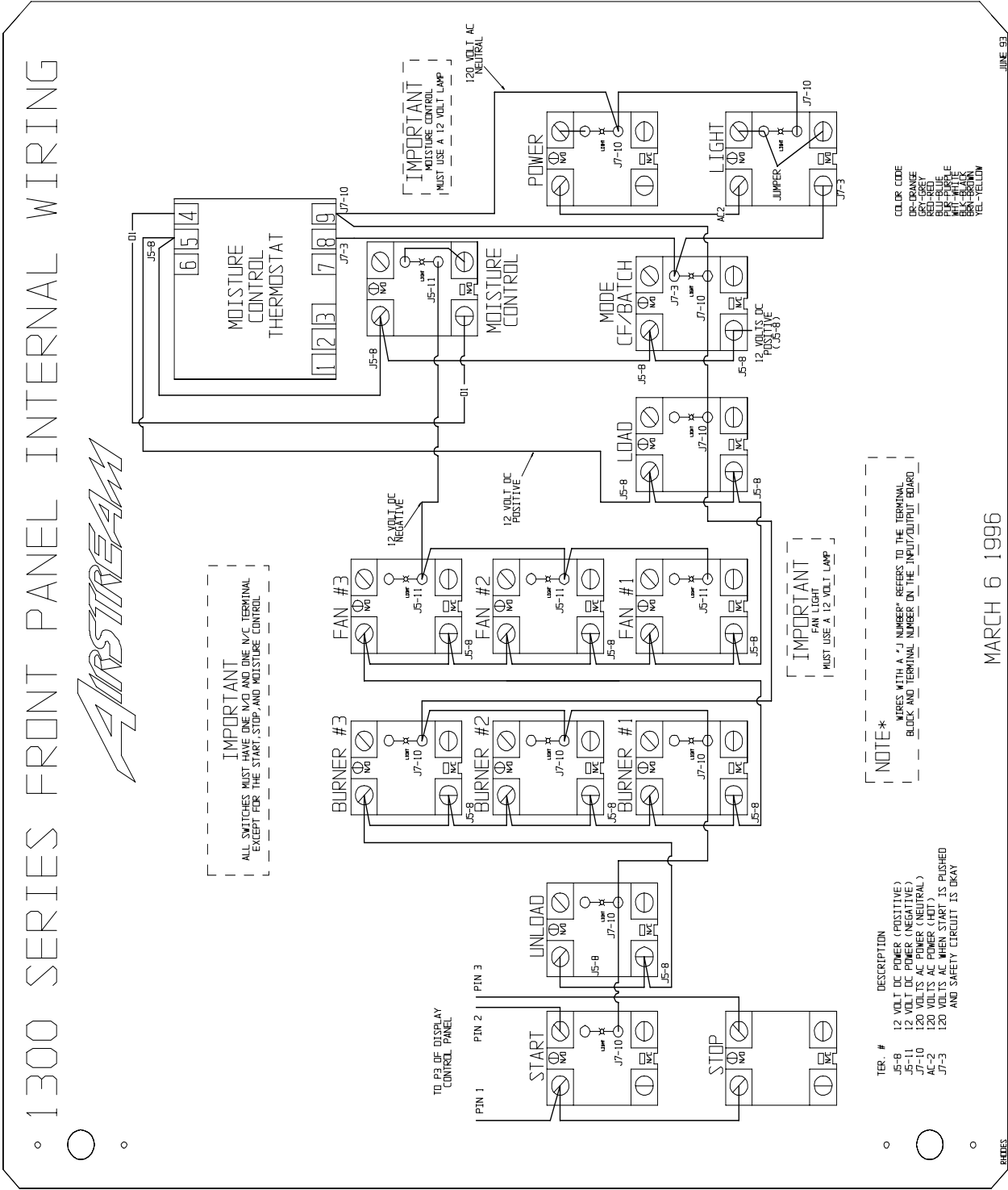
L1					BLACK	- 120 VAC	- OUTSIDE LIGHT
B1					BROWN	- 120 VAC	- BURNER #1 LIGHT
B2					BROWN	- 120 VAC	- BURNER #2 LIGHT
B3					BROWN	- 120 VAC	- BURNER #3 LIGHT
SCR2					PURPLE	- CONTROL POT P2	
J1-5					RED	- 12 VDC	- FAN #1 VAPOR HIGH LIMIT
J1-6					RED	- 12 VDC	- FAN #2 VAPOR HIGH LIMIT
J1-7					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
J2-5					RED	- 12 VDC	- FAN #3 VAPOR HIGH LIMIT
J2-7					RED	- 12 VDC	- FAN #3 HOUSING HIGH LIMIT
J2-9					RED	- 12 VDC	- FAN #3 FLAME DETECTION
J2-11					RED	- 12 VDC	- FAN #3 PLENUM HIGH LIMIT
J2-13					BLUE	- 12 VDC	- FAN #3 AIR SWITCH
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	
J6-6					ORANGE	- LOWER TEMP SENSOR	
J6-8					ORANGE	- UPPER TEMP SENSOR	
J6-9					ORANGE	- LOWER TEMP SENSOR	
J6-11					ORANGE	- UPPER TEMP SENSOR	
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
J8-1					BLUE	- 120 VAC	- FAN #3 POWER
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
J8-13					WHITE	- AC NEUTRAL	- BURNER #3 NEUTRAL
J8-14					WHITE	- AC NEUTRAL	- FAN #2 NEUTRAL
J8-16					WHITE	- AC NEUTRAL	- UNLOAD NEUTRAL
J8-17					WHITE	- AC NEUTRAL	- FAN #3 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
J9-20					BLACK	- 120 VAC	- BURNER #3 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

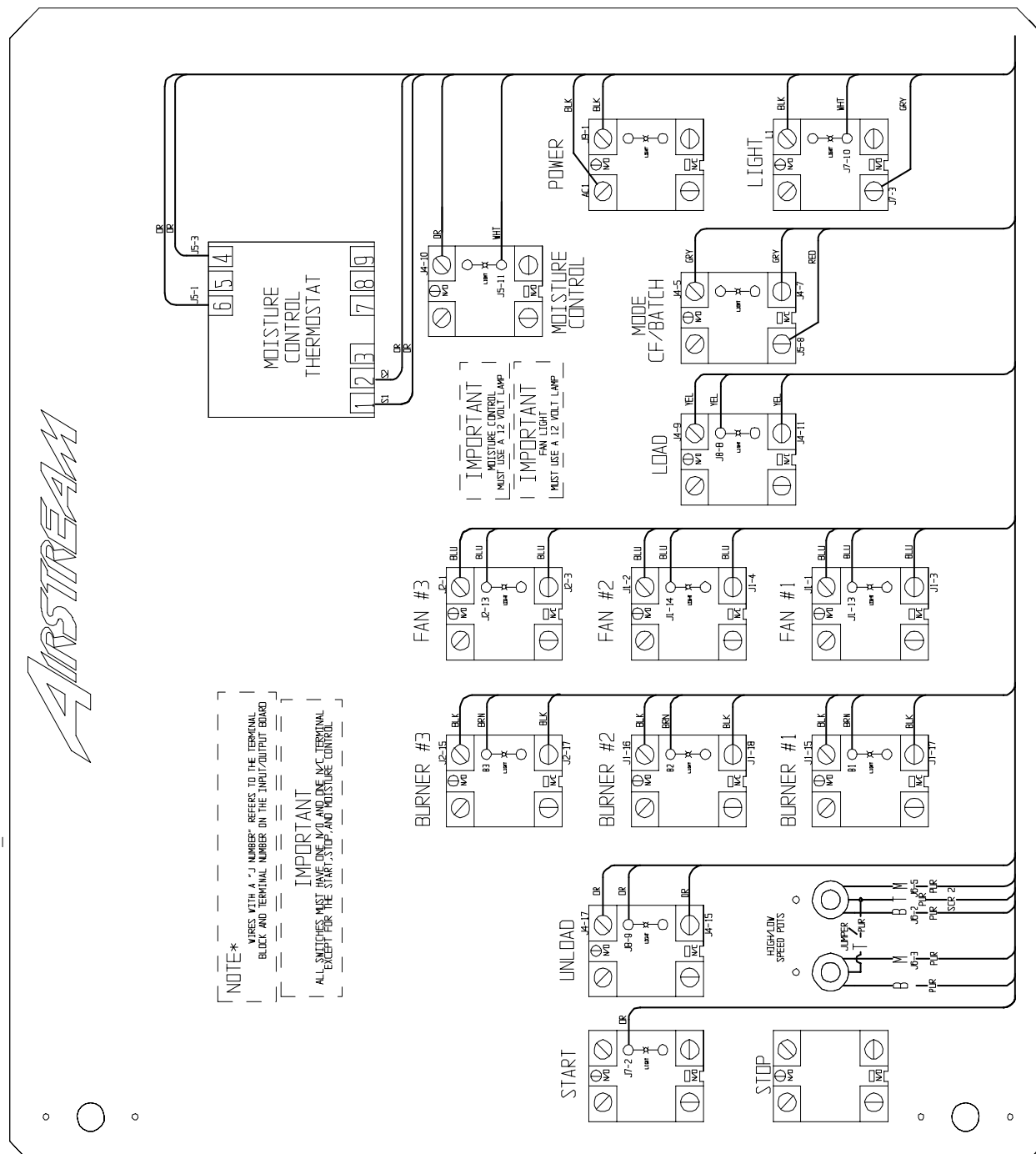
I/O BOARD JUMPERS
 INSTALL J1-9 TO J5-6
 INSTALL J5-2 TO J5-20
 INSTALL J4-12 TO J5-10
 INSTALL J9-1 TO J9-5

57 - 001-0531 ENTIRE SET TERMINALS
 2 - 001-0533 END STRIPS
 1 - 001-0532 BLANK PROTECTOR ENDS

Three Fan Panel Internal Wiring



Three Fan Front Panel External Wiring

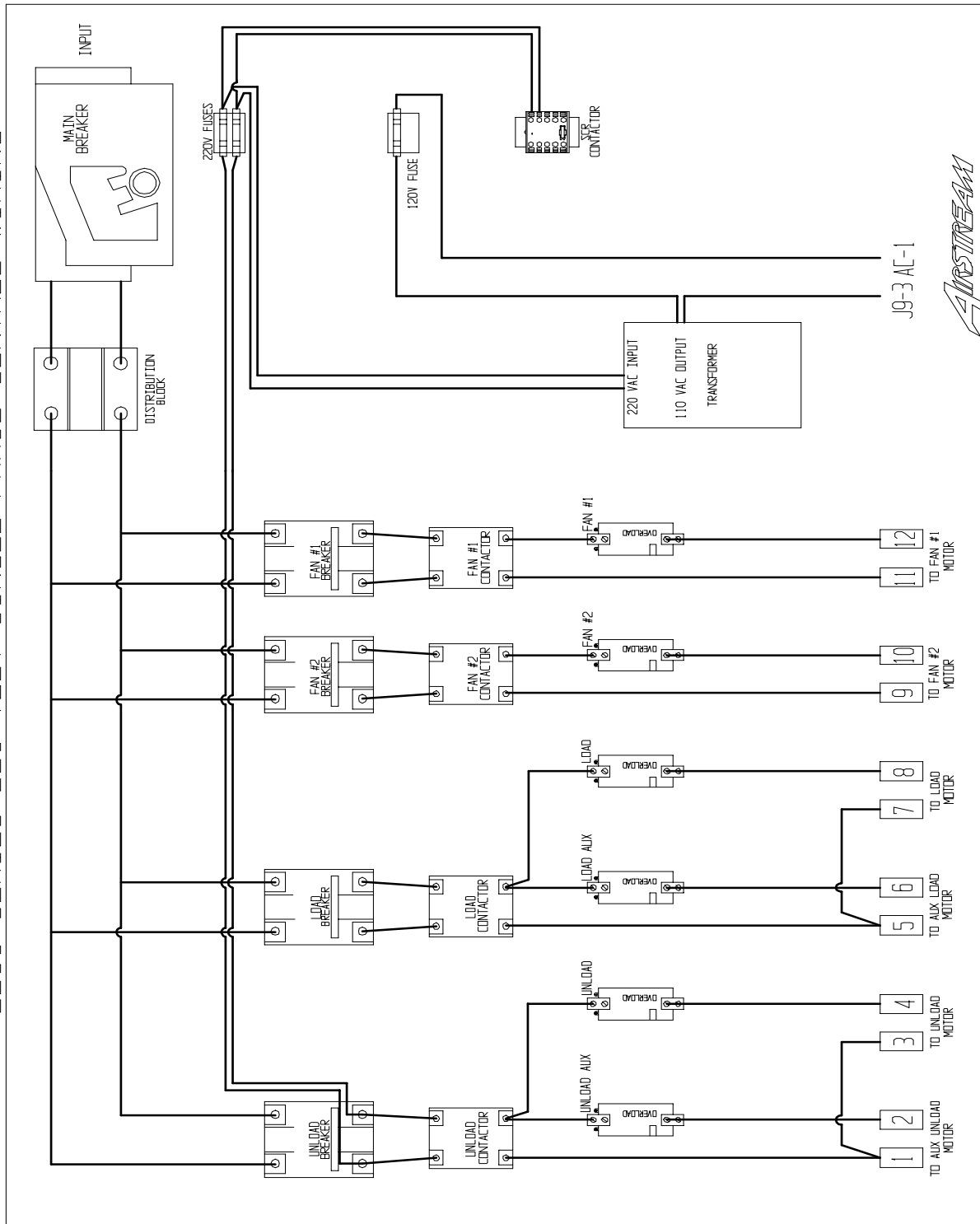


2200 Series

Control Box
Schematics
And
Wiring Diagrams

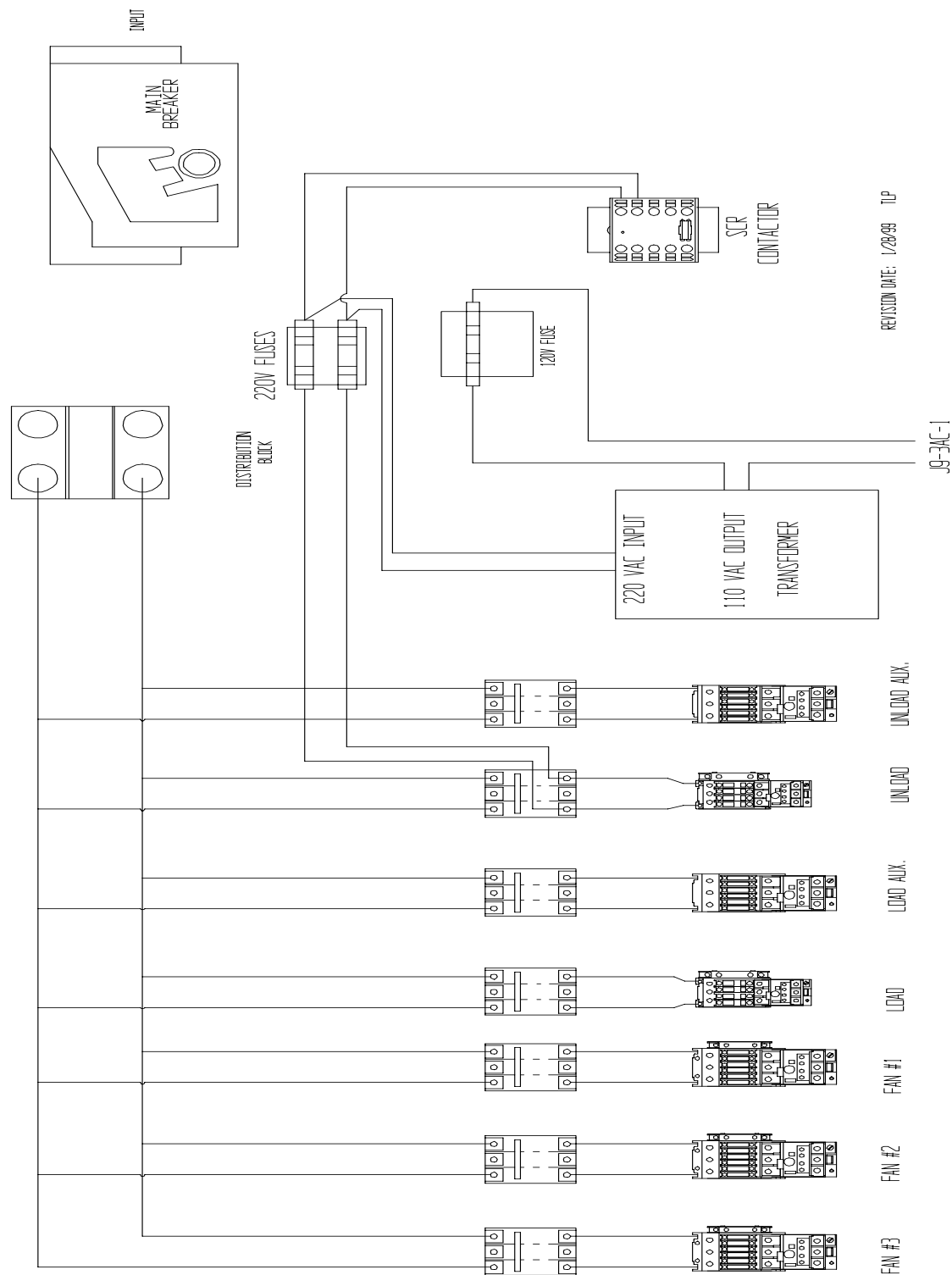
2200 Series 220 Volt Single Phase Power Wiring

2200 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING



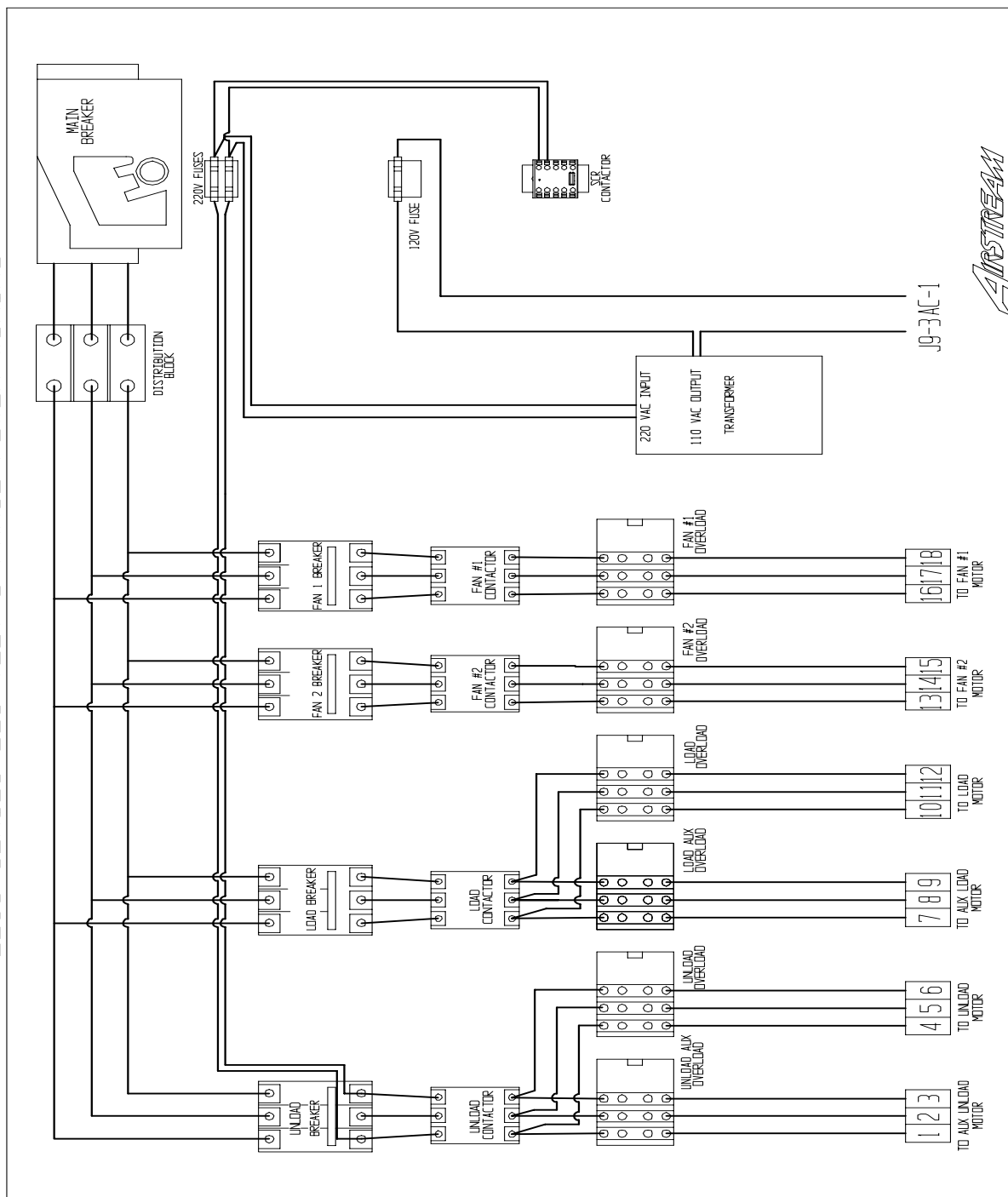
2200 Series 220 Volt Single Phase Power Wiring (New Version)

2200 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING

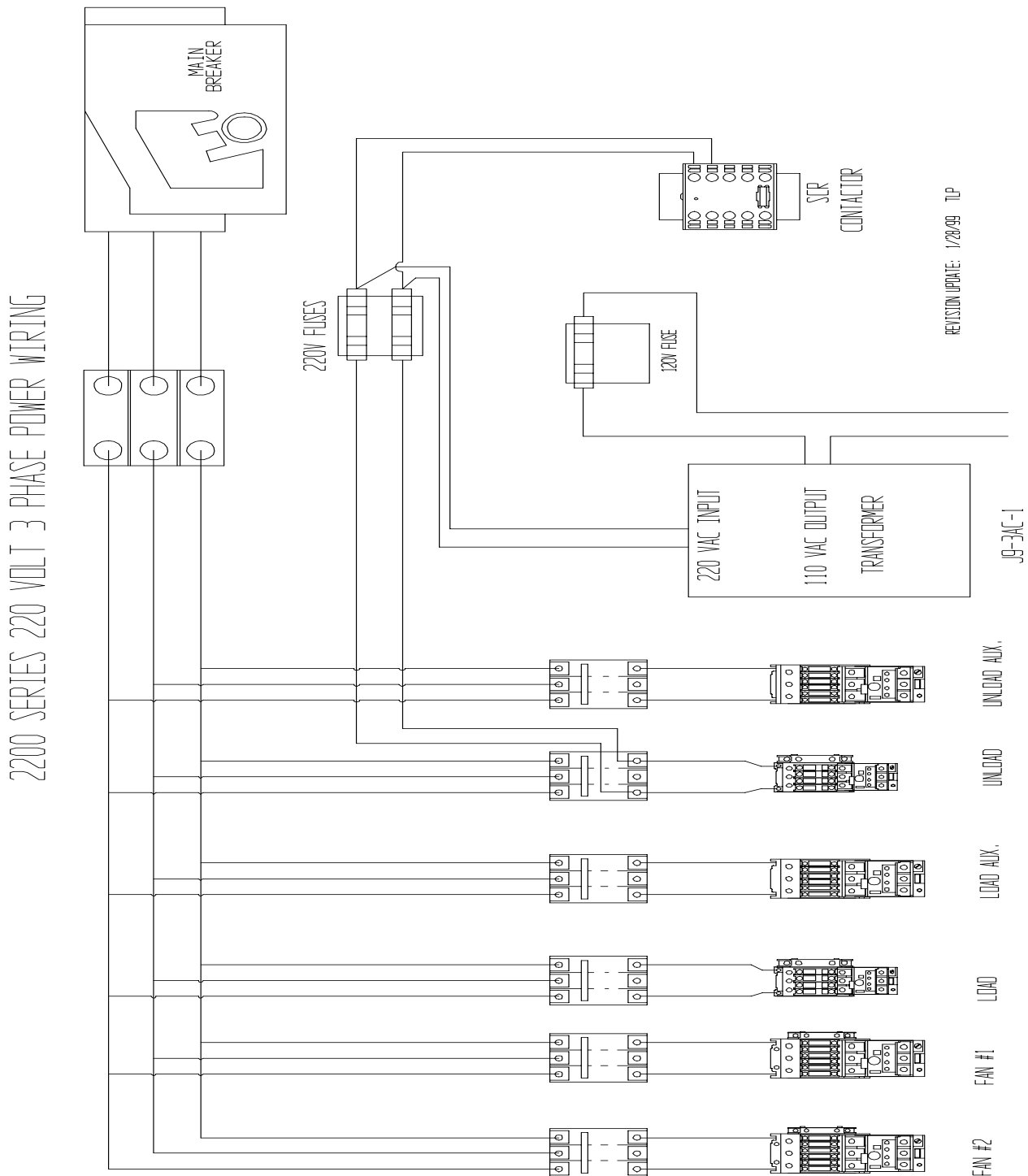


2200 Series 220 Volt Three Phase Power Wiring

2200 SERIES 220 VOLT 3 PHASE POWER WIRING

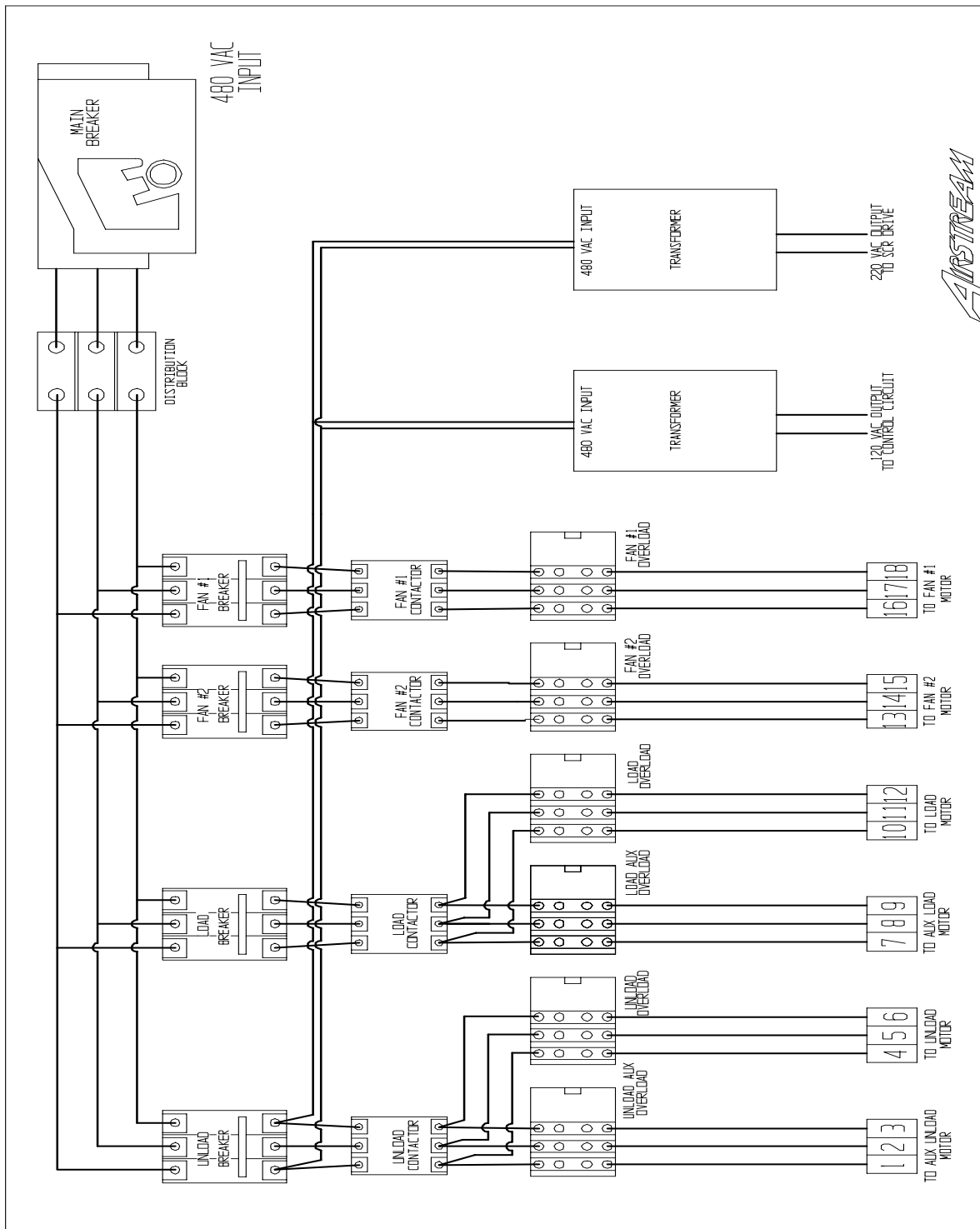


2200 Series 220 Volt Three Phase Power Wiring (New Version)

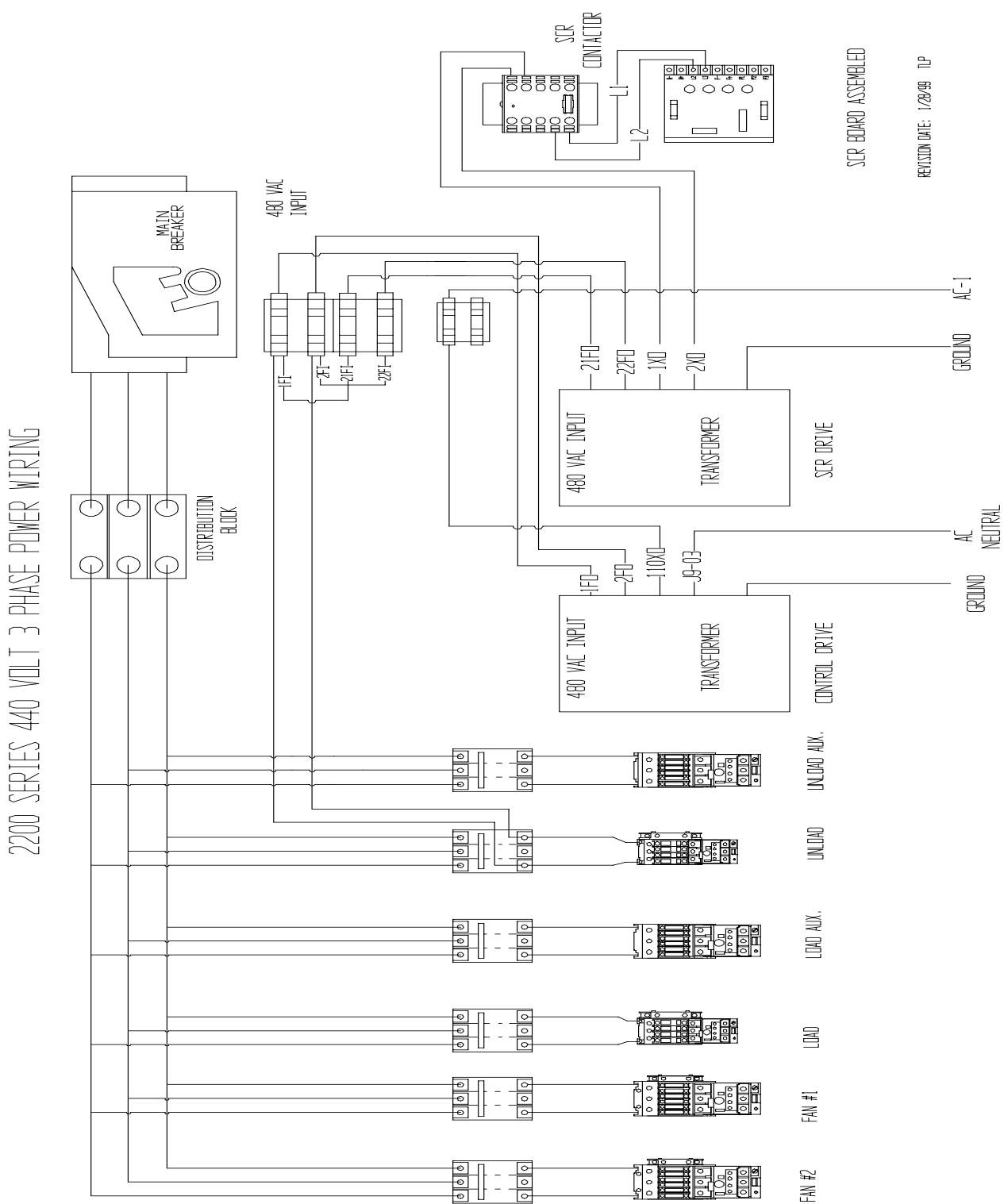


2200 Series 440 Volt Three Phase Power Wiring

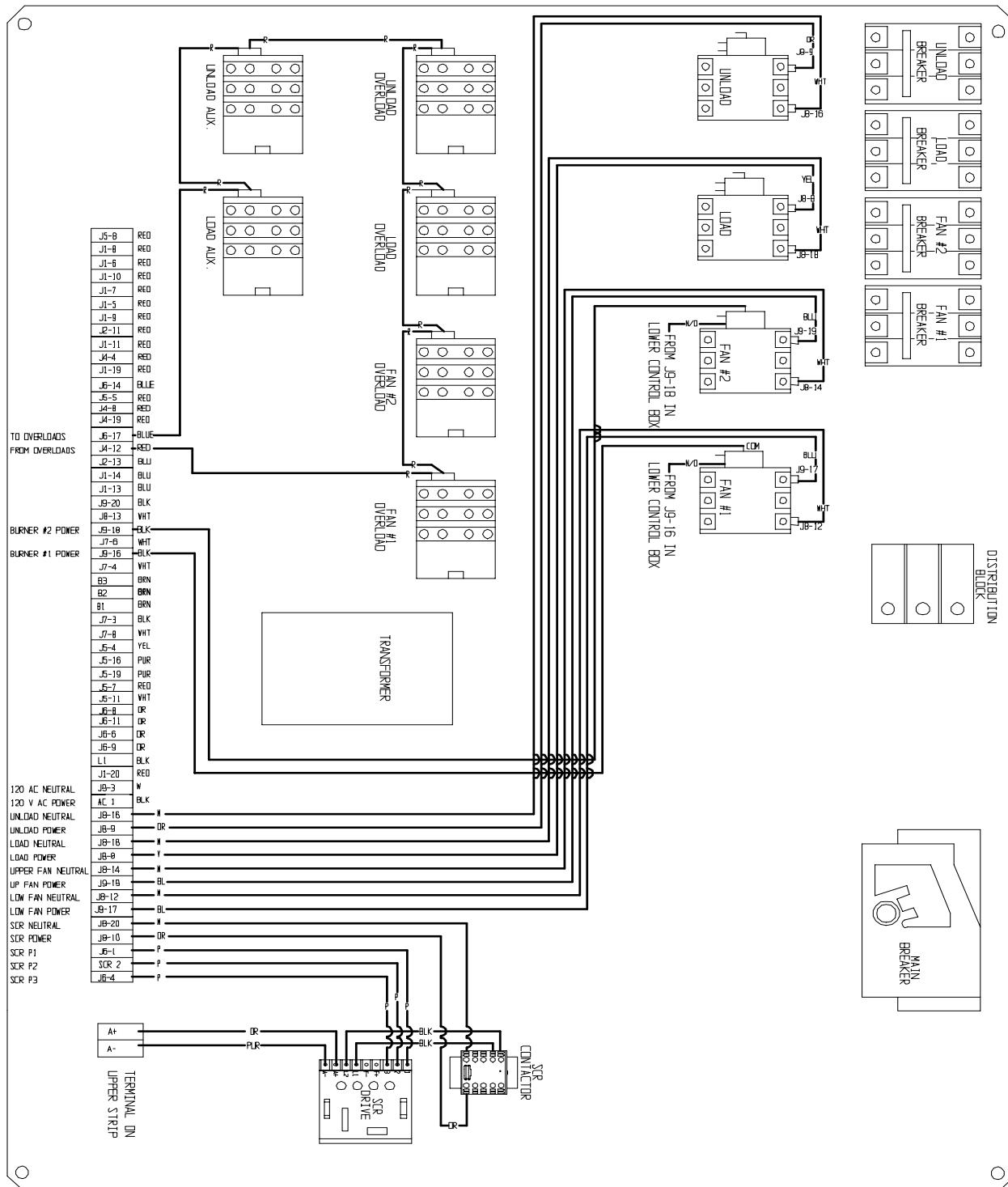
2200 SERIES 440 VOLT 3 PHASE POWER WIRING



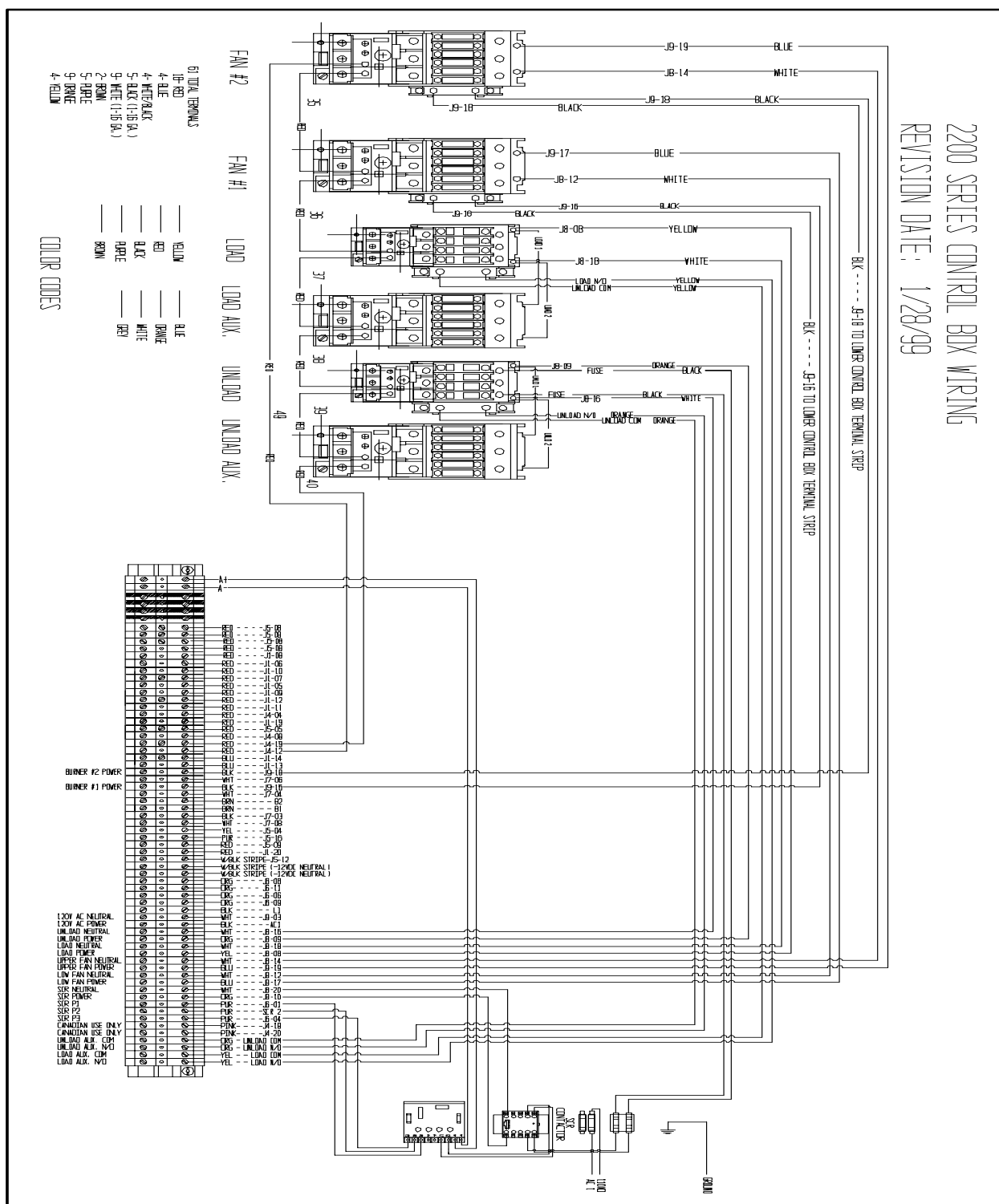
2200 Series 440 Volt Three Phase Power Wiring (New Version)



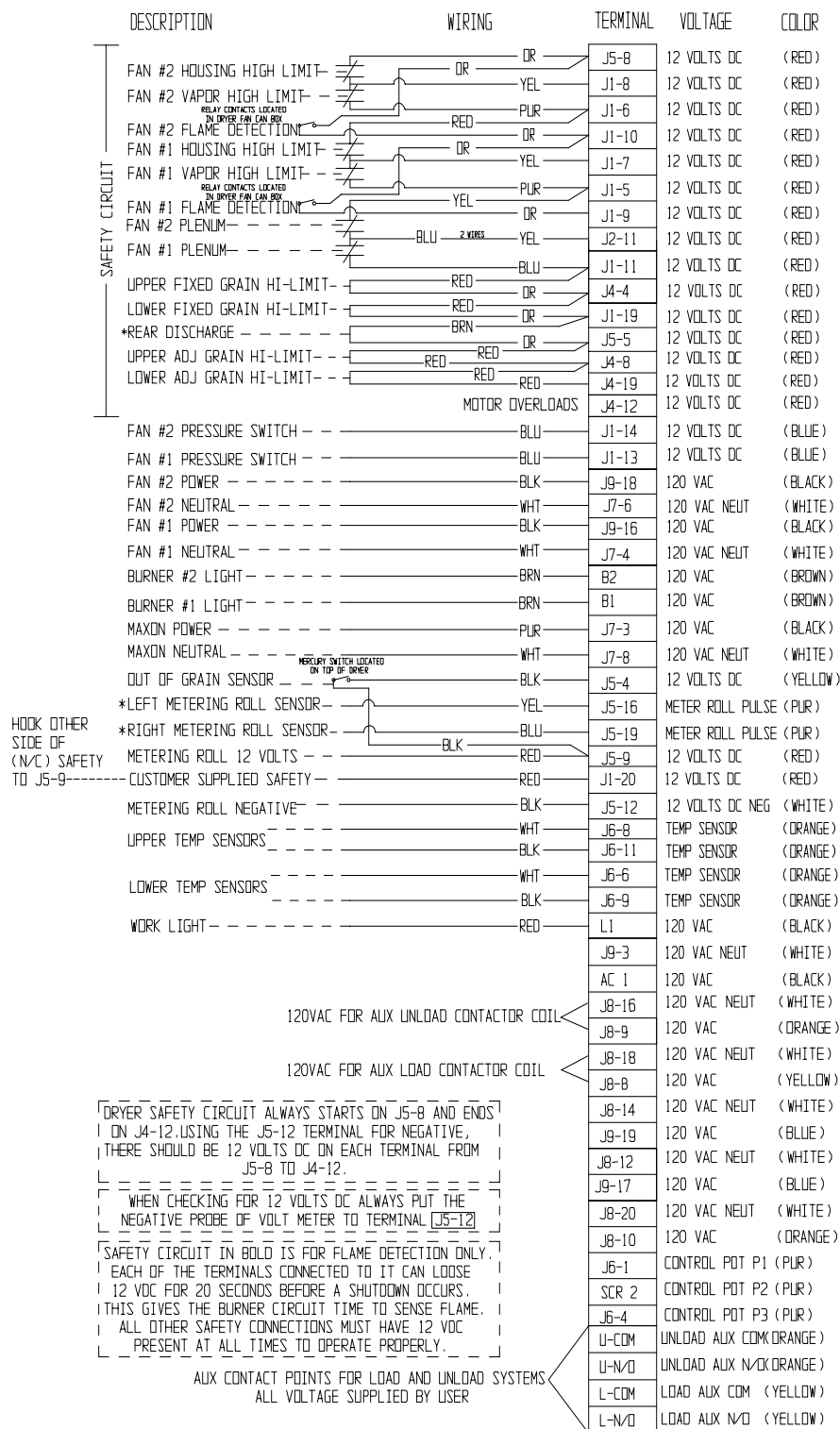
2200 Series Control Box Wiring



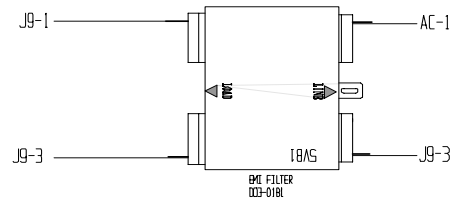
2200 Series Control Box Wiring (New Version)



2200 Series Fan Wiring To Control Box



2200 Fan Lower Control Box Interconnect Strip



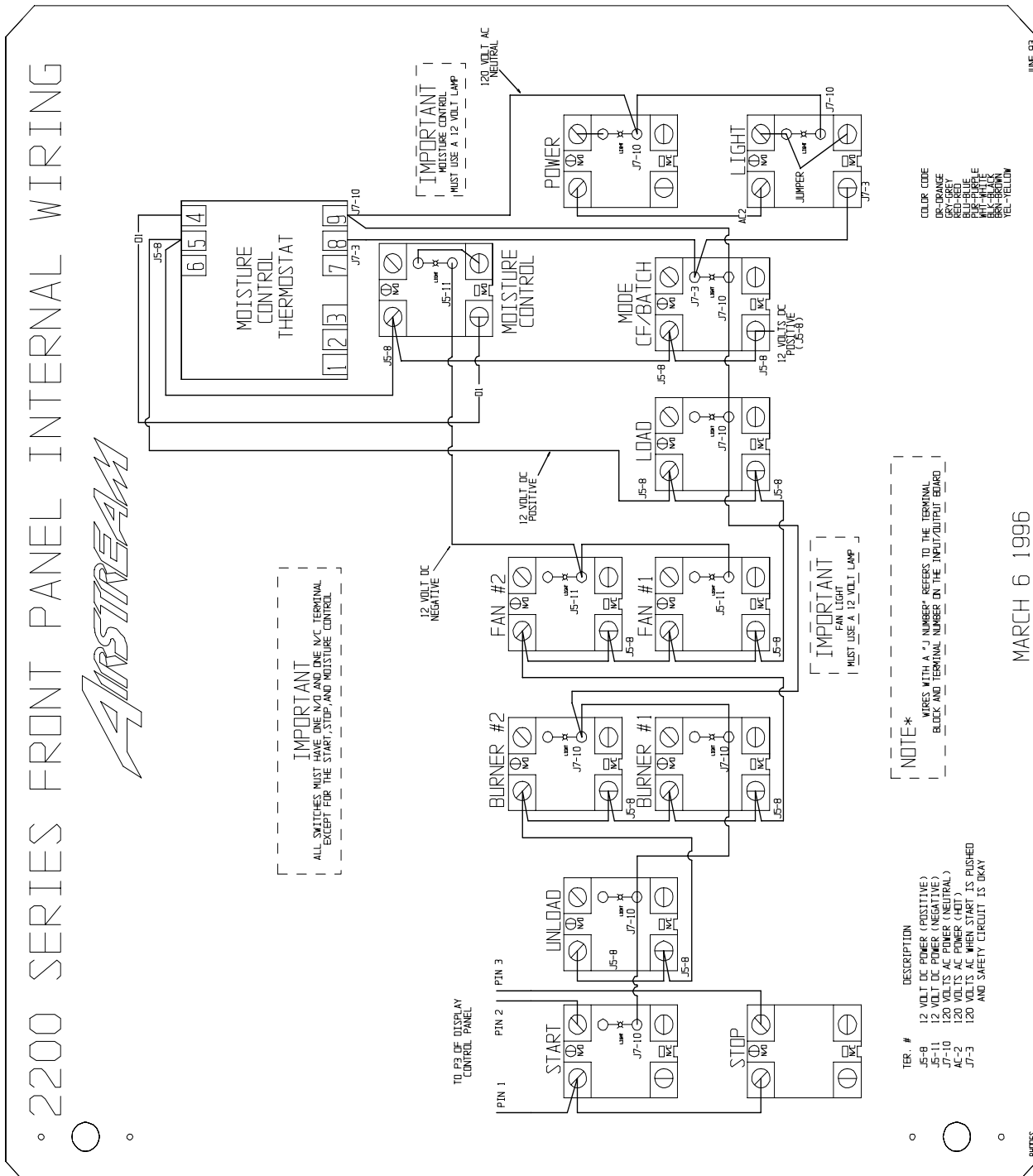
L1						BLACK	- 120 VAC	- OUTSIDE LIGHT
B1						BROWN	- 120 VAC	- BURNER #1 LIGHT
B2						BROWN	- 120 VAC	- BURNER #2 LIGHT
SCR2						PURPLE	- CONTROL POT P2	
J1-5						RED	- 12 VDC	- FAN #1 VAPOR HIGH LIMIT
J1-6						RED	- 12 VDC	- FAN #2 VAPOR HIGH LIMIT
J1-7						RED	- 12 VDC	- FAN #1 HOUSING HIGH 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
J4-4						RED	- 12 VDC	- MIDDLE FIXED GRAIN HIGH LIMIT
J4-8						RED	- 12 VDC	- MIDDLE ADJUSTABLE GRAIN HIGH LIMIT
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	
J6-6						ORANGE	- LOWER TEMP SENSOR	
J6-8						ORANGE	- UPPER TEMP SENSOR	
J6-9						ORANGE	- LOWER TEMP SENSOR	
J6-11						ORANGE	- UPPER TEMP SENSOR	
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

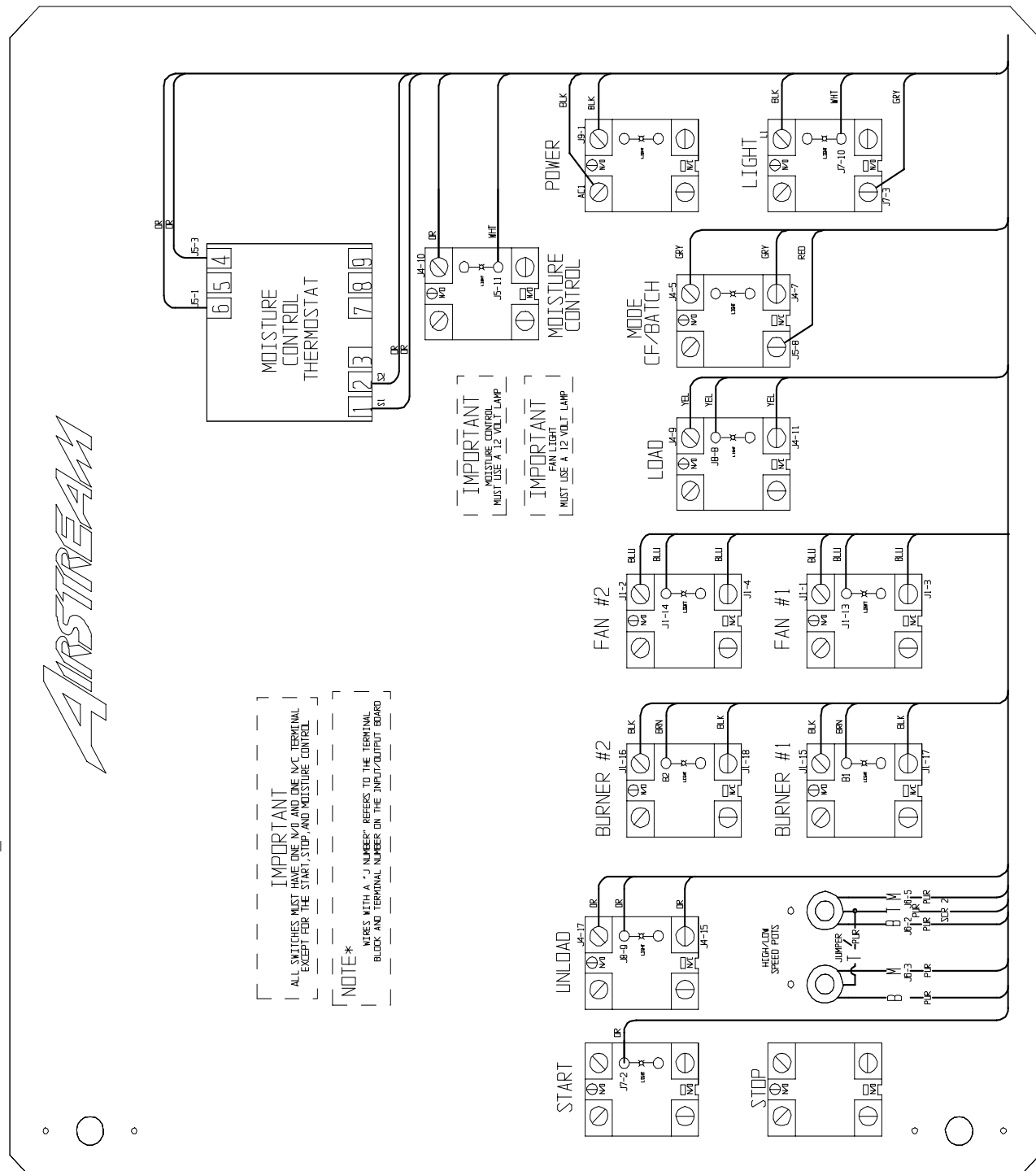
I/O BOARD JUMPERS
 INSTALL J1-9 TO J5-6
 INSTALL J5-2 TO J5-20
 INSTALL J4-12 TO J5-10
 INSTALL J9-1 TO J9-5

49 - 001-0531 ENTIRE SET TERMINALS
 2 - 001-0533 END STRIPS
 1 - 001-0532 BLANK PROTECTOR ENDS

Two Fan Front Panel Internal Wiring



Two Fan Front Panel External Wiring

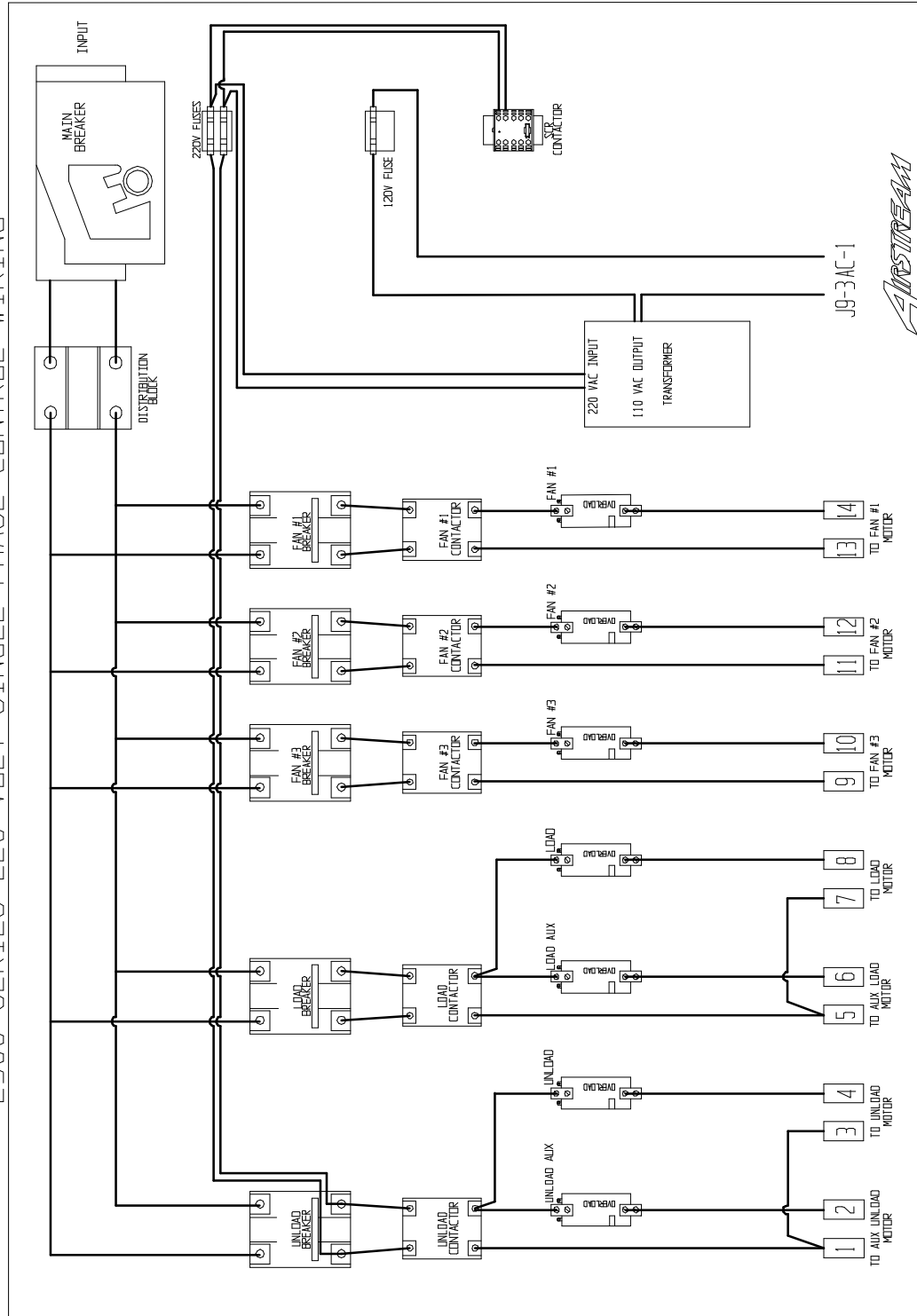


2300 Series

Control Box
Schematics
And
Wiring Diagrams

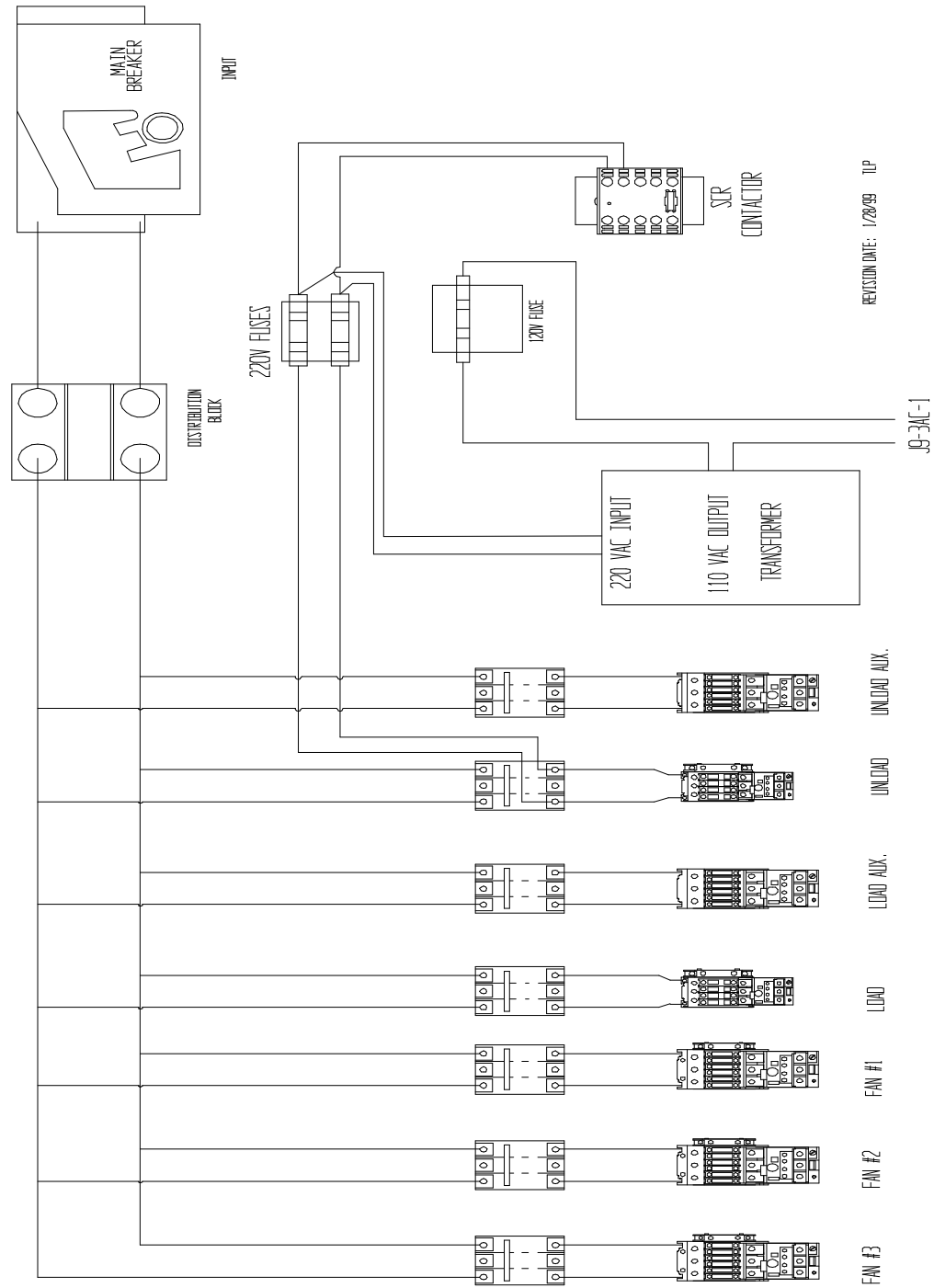
2300 Series 220 Volt Single Phase Power Wiring

2300 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING



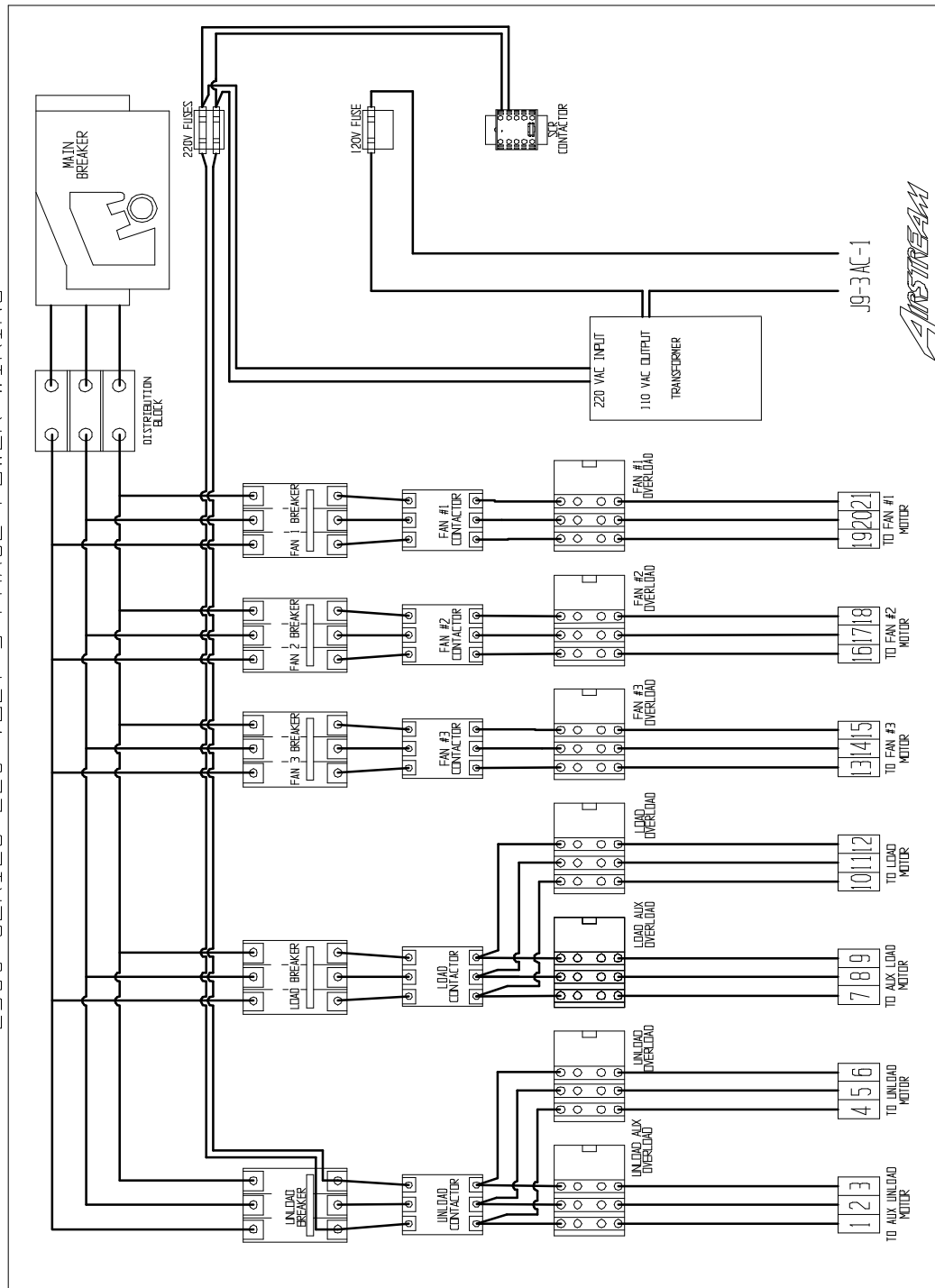
2300 Series 220 Volt Single Phase Power Wiring (New Version)

2300 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING



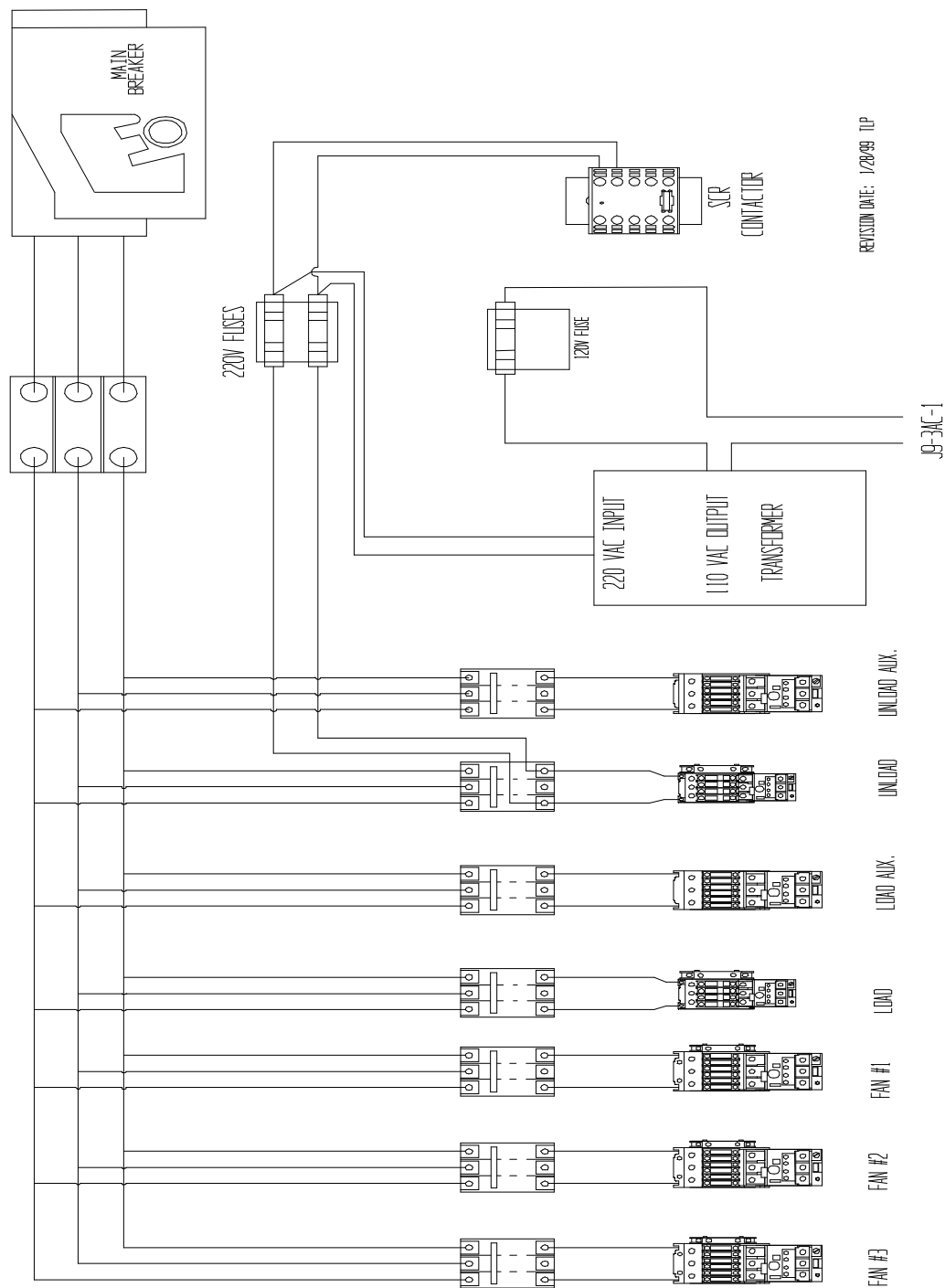
2300 Series 220 Volt Three Phase Power Wiring

2300 SERIES 220 VOLT 3 PHASE POWER WIRING



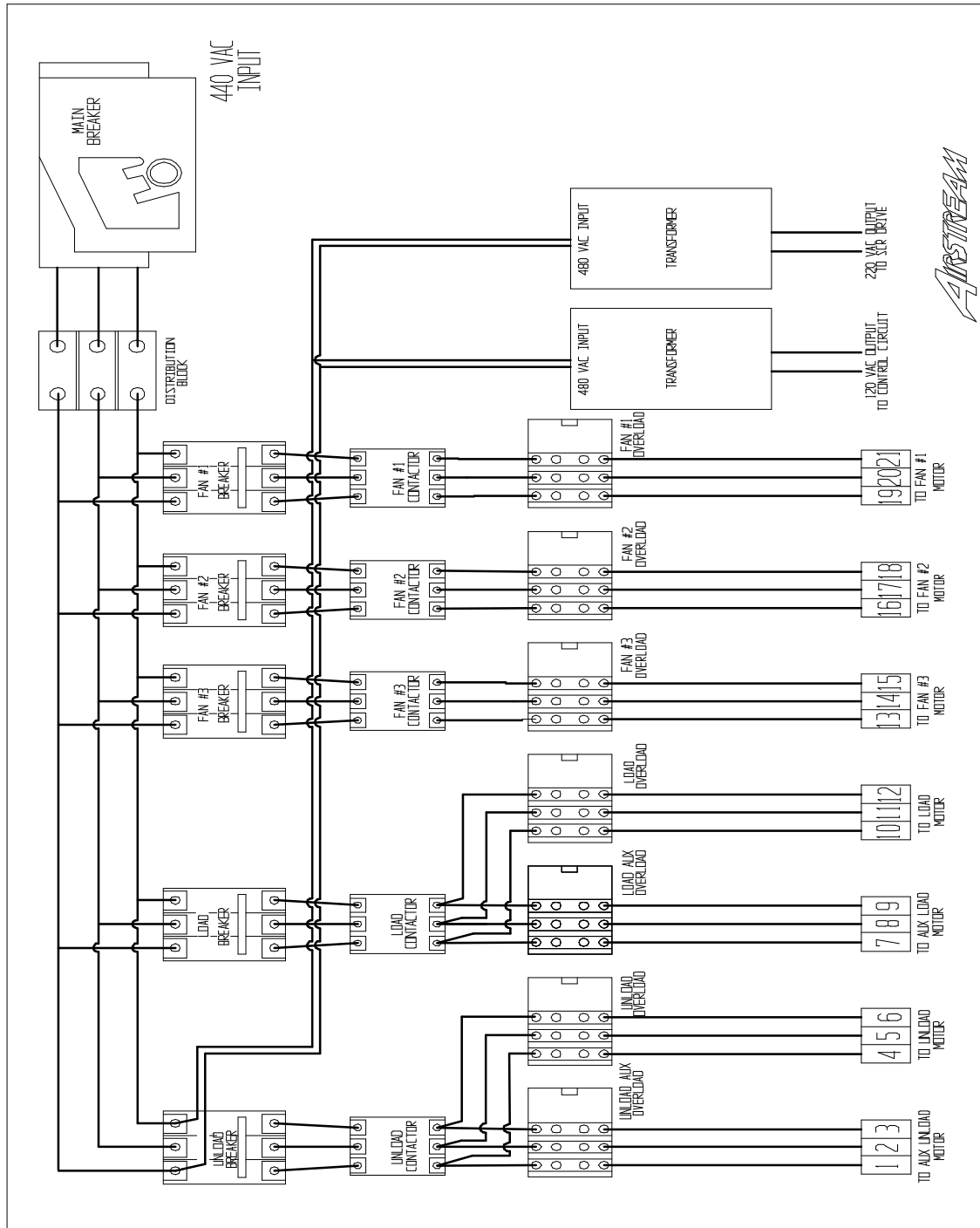
2300 Series 220 Volt Three Phase Power Wiring (New Version)

2300 SERIES 220 VOLT 3 PHASE POWER WIRING

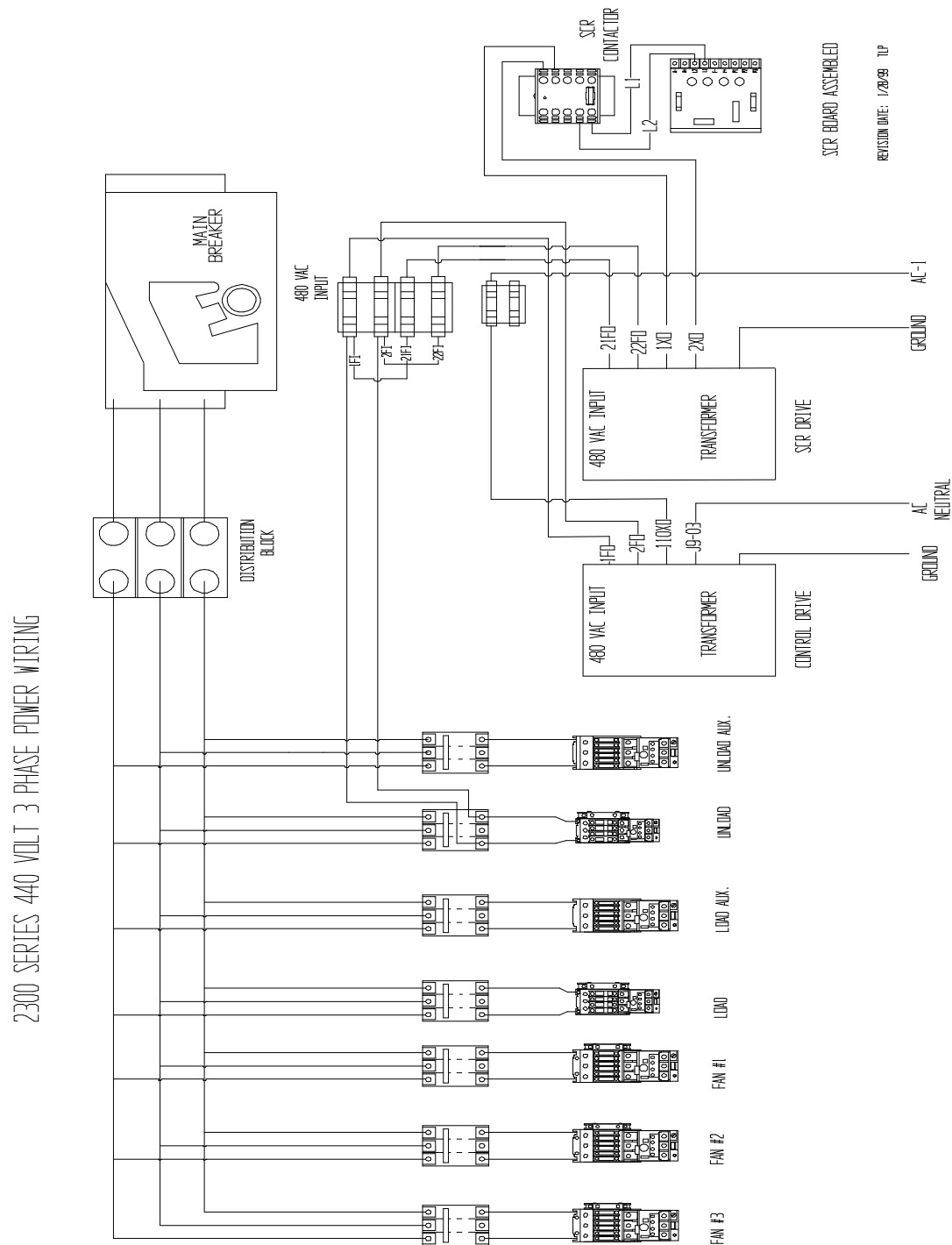


2300 Series 440 Volt Three Phase Power Wiring

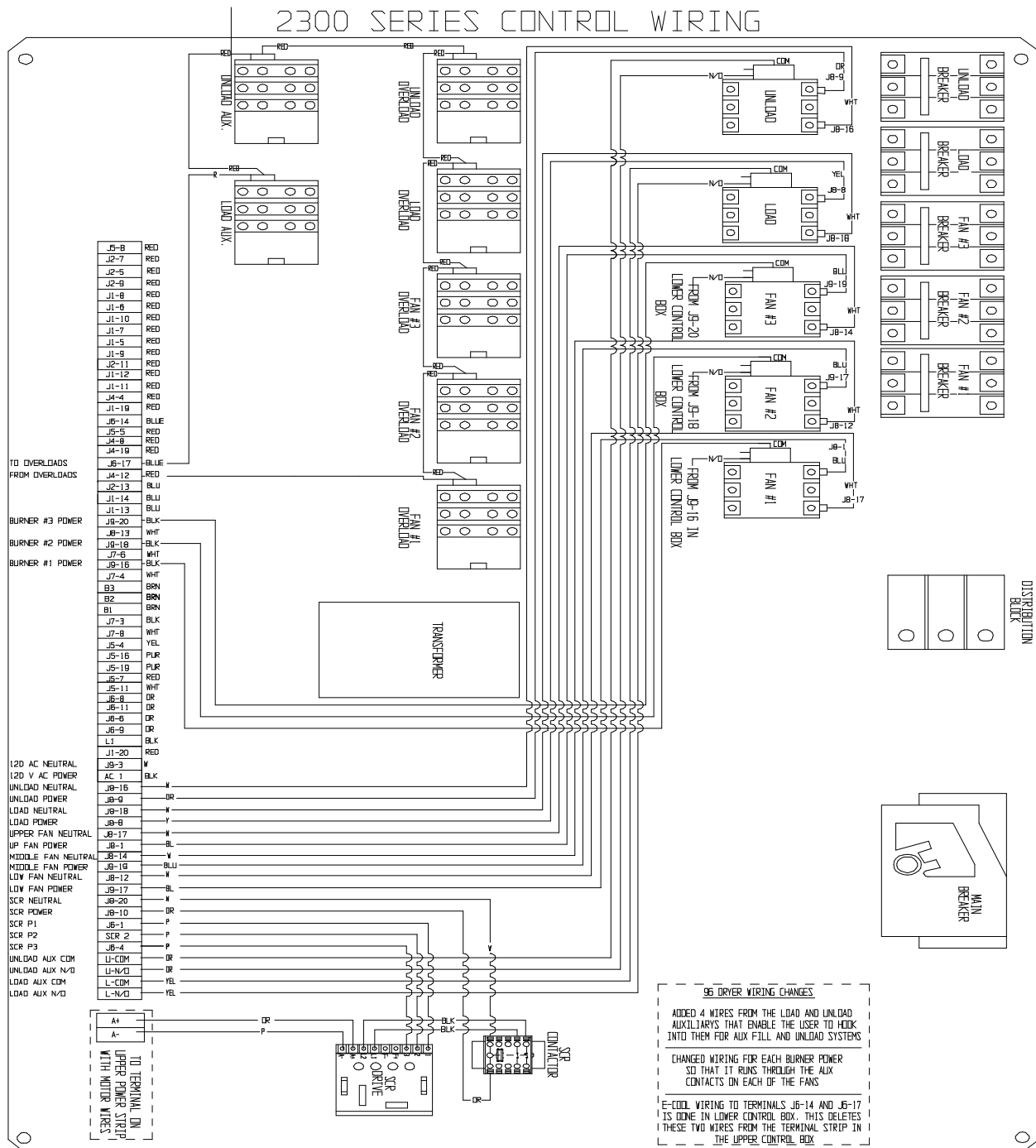
2300 SERIES 440 VOLT 3 PHASE POWER WIRING



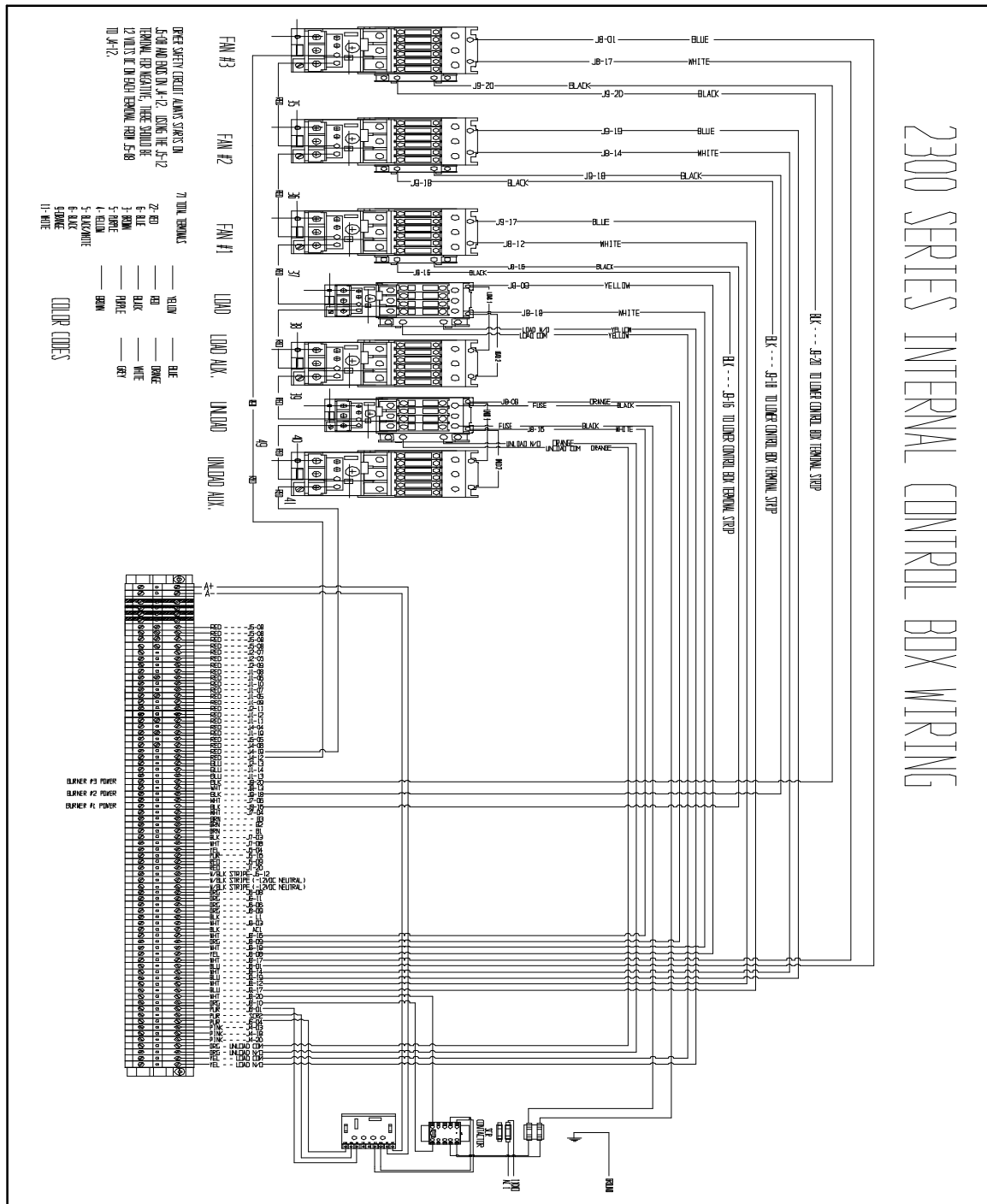
2300 Series 440 Volt Three Phase Power Wiring (New Version)



2300 Series Control Box Wiring



2300 Series Control Box Wiring (New Version)



DESCRIPTION	WIRING	TERMINAL	VOLTAGE	COLOR
FAN #3 HOUSING HIGH LIMIT	RED	J5-8	12 VOLTS DC	(RED)
FAN #3 VAPOR HIGH LIMIT	YEL	J2-7	12 VOLTS DC	(RED)
FAN #3 FLAME DETECTION	PUR	J2-5	12 VOLTS DC	(RED)
FAN #2 HOUSING HIGH LIMIT	RED	J2-9	12 VOLTS DC	(RED)
FAN #2 VAPOR HIGH LIMIT	YEL	J1-8	12 VOLTS DC	(RED)
FAN #2 FLAME DETECTION	PUR	J1-6	12 VOLTS DC	(RED)
FAN #1 HOUSING HIGH LIMIT	RED	J1-10	12 VOLTS DC	(RED)
FAN #1 VAPOR HIGH LIMIT	YEL	J1-7	12 VOLTS DC	(RED)
FAN #1 FLAME DETECTION	PUR	J1-5	12 VOLTS DC	(RED)
FAN #3 PLENUM	RED	J1-9	12 VOLTS DC	(RED)
FAN #2 PLENUM	RED	J2-11	12 VOLTS DC	(RED)
FAN #1 PLENUM	YEL	J1-12	12 VOLTS DC	(RED)
UPPER FIXED GRAIN HI-LIMIT	RED	J1-11	12 VOLTS DC	(RED)
LOWER FIXED GRAIN HI-LIMIT	RED	J4-4	12 VOLTS DC	(RED)
REAR DISCHARGE	BRN	J1-19	12 VOLTS DC	(RED)
UPPER ADJ GRAIN HI-LIMIT	RED	J5-5	12 VOLTS DC	(RED)
LOWER ADJ GRAIN HI-LIMIT	RED	J4-8	12 VOLTS DC	(RED)
	RED	J4-19	12 VOLTS DC	(RED)
	MOTOR OVERLOADS	J4-12	12 VOLTS DC	(RED)
FAN #3 PRESSURE SWITCH	BLU	J2-13	12 VOLTS DC	(BLUE)
FAN #2 PRESSURE SWITCH	BLU	J1-14	12 VOLTS DC	(BLUE)
FAN #1 PRESSURE SWITCH	BLU	J1-13	12 VOLTS DC	(BLUE)
BURNER #3 POWER	BLK	J9-20	120 VAC	(BLACK)
BURNER #3 NEUTRAL	WHT	J8-13	120 VAC NEUT	(WHITE)
BURNER #2 POWER	BLK	J9-18	120 VAC	(BLACK)
BURNER #2 NEUTRAL	WHT	J7-6	120 VAC NEUT	(WHITE)
BURNER #1 POWER	BLK	J9-16	120 VAC	(BLACK)
BURNER #1 NEUTRAL	WHT	J7-4	120 VAC NEUT	(WHITE)
BURNER #3 LIGHT	BRN	B3	120 VAC	(BROWN)
BURNER #2 LIGHT	BRN	B2	120 VAC	(BROWN)
BURNER #1 LIGHT	BRN	B1	120 VAC	(BROWN)
MAXON POWER	PUR	J7-3	120 VAC	(BLACK)
MAXON NEUTRAL	WHT	J7-8	120 VAC NEUT	(WHITE)
OUT OF GRAIN SENSOR	BLK	J5-4	12 VOLTS DC	(YELLOW)
LEFT METERING ROLL SENSOR	YEL	J5-16	METER ROLL PULSE	(PUR)
RIGHT METERING ROLL SENSOR	BLU	J5-19	METER ROLL PULSE	(PUR)
METERING ROLL 12 VOLTS	RED	J5-9	12 VOLT DC	(RED)
CUSTOMER SUPPLIED SAFETY	BLK	J1-20	12 VOLTS DC	(RED)
METERING ROLL NEGATIVE	BLK	J5-12	12 VOLT DC NEUT	(WHITE)
UPPER TEMP SENSORS	WHT	J6-8	TEMP SENSOR	(ORANGE)
	BLK	J6-11	TEMP SENSOR	(ORANGE)
LOWER TEMP SENSORS	WHT	J6-6	TEMP SENSOR	(ORANGE)
	BLK	J6-9	TEMP SENSOR	(ORANGE)
WORK LIGHT	RED	L1	120 VAC	(BLACK)
		J9-3	120 VAC NEUT	(WHITE)
		AC 1	120 VAC	(BLACK)
120VAC FOR AUX UNLOAD CONTACTOR COIL		J6-16	120 VAC NEUT	(WHITE)
		J6-9	120 VAC	(ORANGE)
120VAC FOR AUX LOAD CONTACTOR COIL		J6-18	120 VAC NEUT	(WHITE)
		J6-8	120 VAC	(YELLOW)
		J6-17	120 VAC NEUT	(WHITE)
		J6-1	120 VAC	(BLUE)
		J6-14	120 VAC NEUT	(WHITE)
		J9-19	120 VAC	(BLUE)
		J6-12	120 VAC NEUT	(WHITE)
		J9-17	120 VAC	(BLUE)
		J6-20	120 VAC NEUT	(WHITE)
		J6-10	120 VAC	(ORANGE)
		J6-1	CONTROL POT P1	(PUR)
		SCR 2	CONTROL POT P2	(PUR)
		J6-4	CONTROL POT P3	(PUR)
		U-COM	UNLOAD AUX COM	(ORANGE)
		U-N/O	UNLOAD AUX N/O	(ORANGE)
		L-COM	LOAD AUX COM	(YELLOW)
		L-N/O	LOAD AUX N/O	(YELLOW)

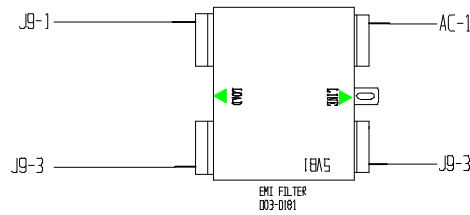
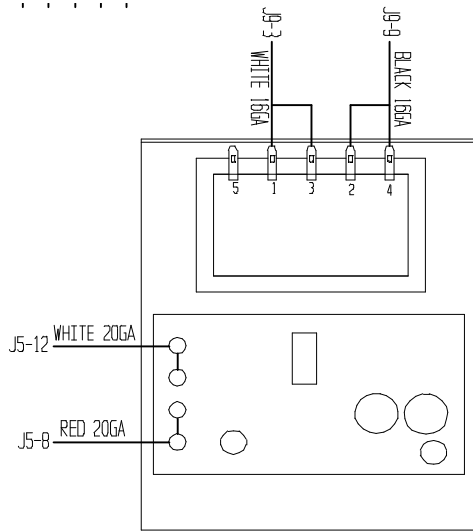
WHEN CHECKING FOR 12 VOLTS DC ALWAYS PUT THE NEGATIVE PROBE OF VOLT METER TO TERMINAL J5-12

EACH OF THE TERMINALS CONNECTED TO IT CAN LOOSE 2 VDC FOR 20 SECONDS BEFORE A SHUTDOWN OCCURS. IT GIVES THE BURNER CIRCUIT TIME TO SENSE FLAME. ALL OTHER SAFETY CONNECTIONS MUST HAVE 12 VDC PRESENT AT ALL TIMES TO OPERATE PROPERLY.

AUX CONTACT POINTS FOR LOAD AND UNLOAD SYSTEMS
ALL VOLTAGE SUPPLIED BY USER

ALL SAFETIES MUST BE CLOSED FOR DRYER TO OPERATE

2300 Fan Lower Control Box Interconnect Strip



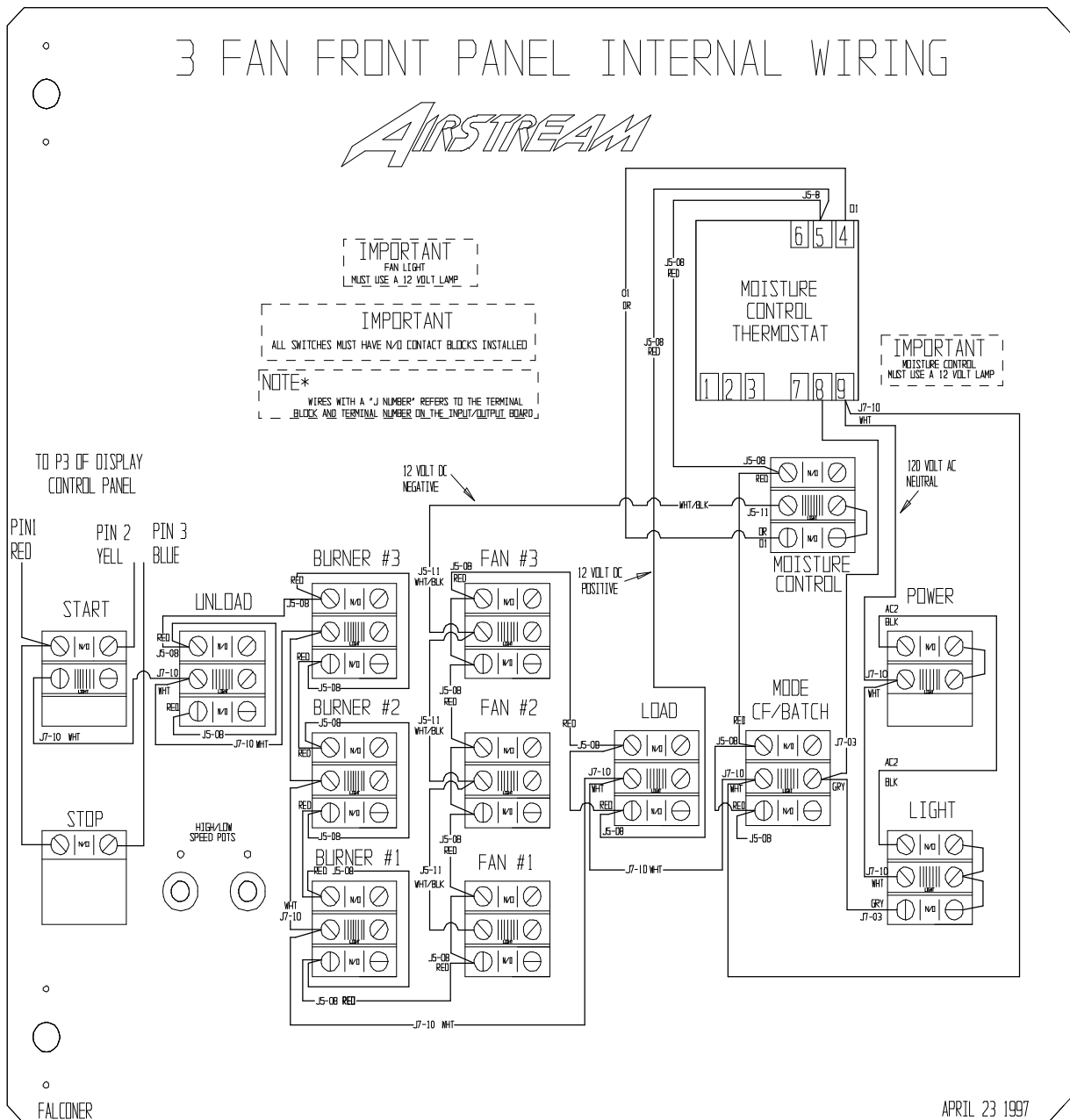
L1					BLACK	- 120 VAC	- OUTSIDE LIGHT
B1					BROWN	- 120 VAC	- BURNER #1 LIGHT
B2					BROWN	- 120 VAC	- BURNER #2 LIGHT
B3					BROWN	- 120 VAC	- BURNER #3 LIGHT
SCR2					PURPLE	- CONTROL	POT P2
J1-5					RED	- 12 VDC	- FAN #1 VAPOR HIGH LIMIT
J1-6					RED	- 12 VDC	- FAN #2 VAPOR HIGH LIMIT
J1-7					RED	- 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
J2-5					RED	- 12 VDC	- FAN #3 VAPOR HIGH LIMIT
J2-7					RED	- 12 VDC	- FAN #3 HOUSING HIGH LIMIT
J2-9					RED	- 12 VDC	- FAN #3 FLAME DETECTION
J2-11					RED	- 12 VDC	- FAN #3 PLENUM HIGH LIMIT
J2-13					BLUE	- 12 VDC	- FAN #3 AIR SWITCH
J4-4					RED	- 12 VDC	- MIDDLE FIXED GRAIN HIGH LIMIT
J4-8					RED	- 12 VDC	- MIDDLE ADJUSTABLE GRAIN HIGH LIMIT
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
J6-6					ORANGE	- LOWER TEMP SENSOR	
J6-8					ORANGE	- UPPER TEMP SENSOR	
J6-9					ORANGE	- LOWER TEMP SENSOR	
J6-11					ORANGE	- UPPER TEMP SENSOR	
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
J8-1					BLUE	- 120 VAC	- FAN #3 POWER
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
J8-13					WHITE	- AC NEUTRAL	- BURNER #3 NEUTRAL
J8-14					WHITE	- AC NEUTRAL	- FAN #2 NEUTRAL
J8-16					WHITE	- AC NEUTRAL	- UNLOAD NEUTRAL
J8-17					WHITE	- AC NEUTRAL	- FAN #3 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
J9-20					BLACK	- 120 VAC	- BURNER #3 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

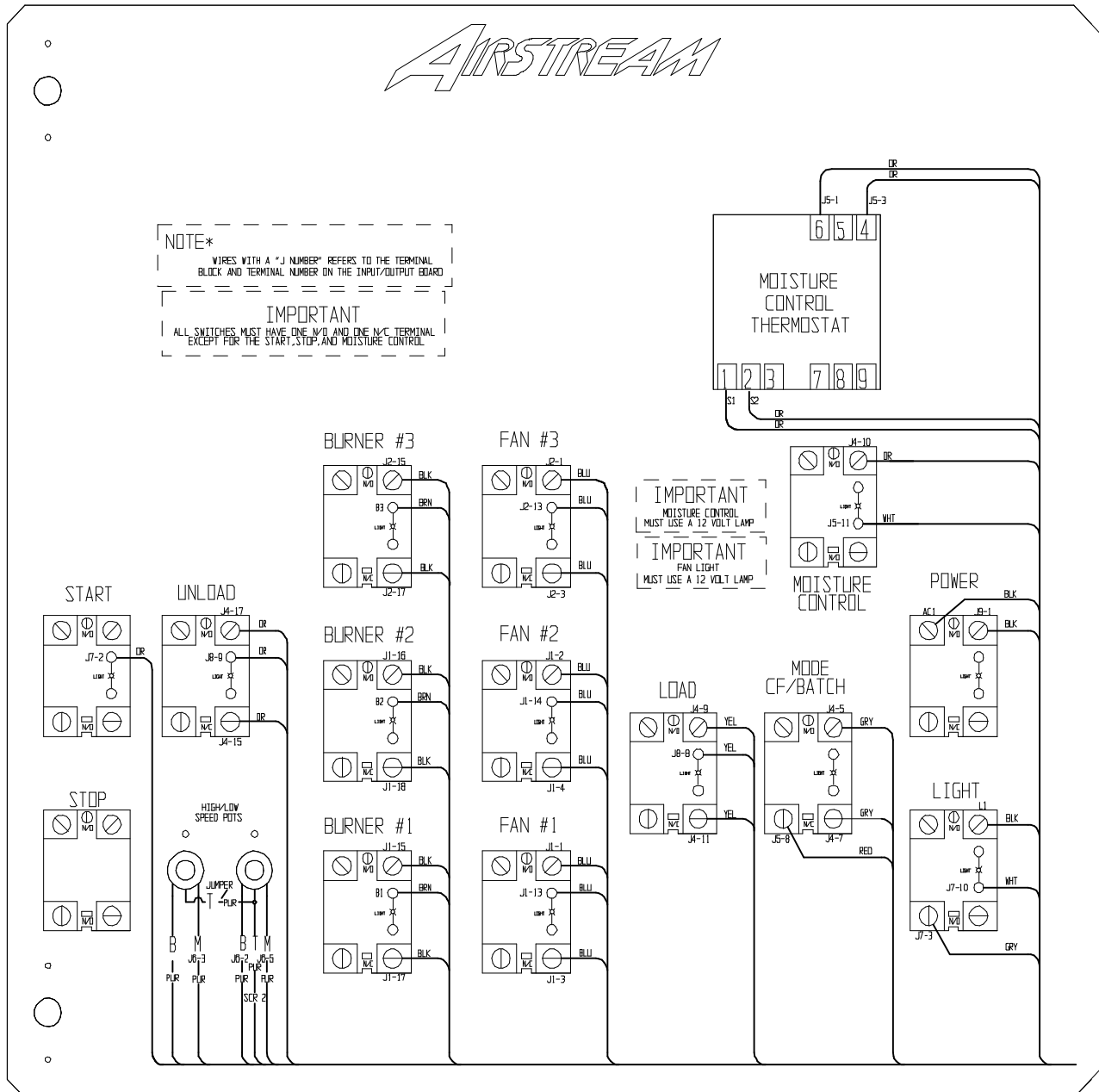
1/0 BOARD JUMPERS
 INSTALL J1-9 TO J5-6
 INSTALL J5-2 TO J5-20
 INSTALL J4-12 TO J5-10
 INSTALL J9-1 TO J9-5

59 - 001-0531 ENTIRE SET TERMINALS
 2 - 001-0533 END STRIPS
 1 - 001-0532 BLANK PROTECTOR ENDS

Three Fan Front Panel Internal Wiring



Three Fan Front Panel External Wiring

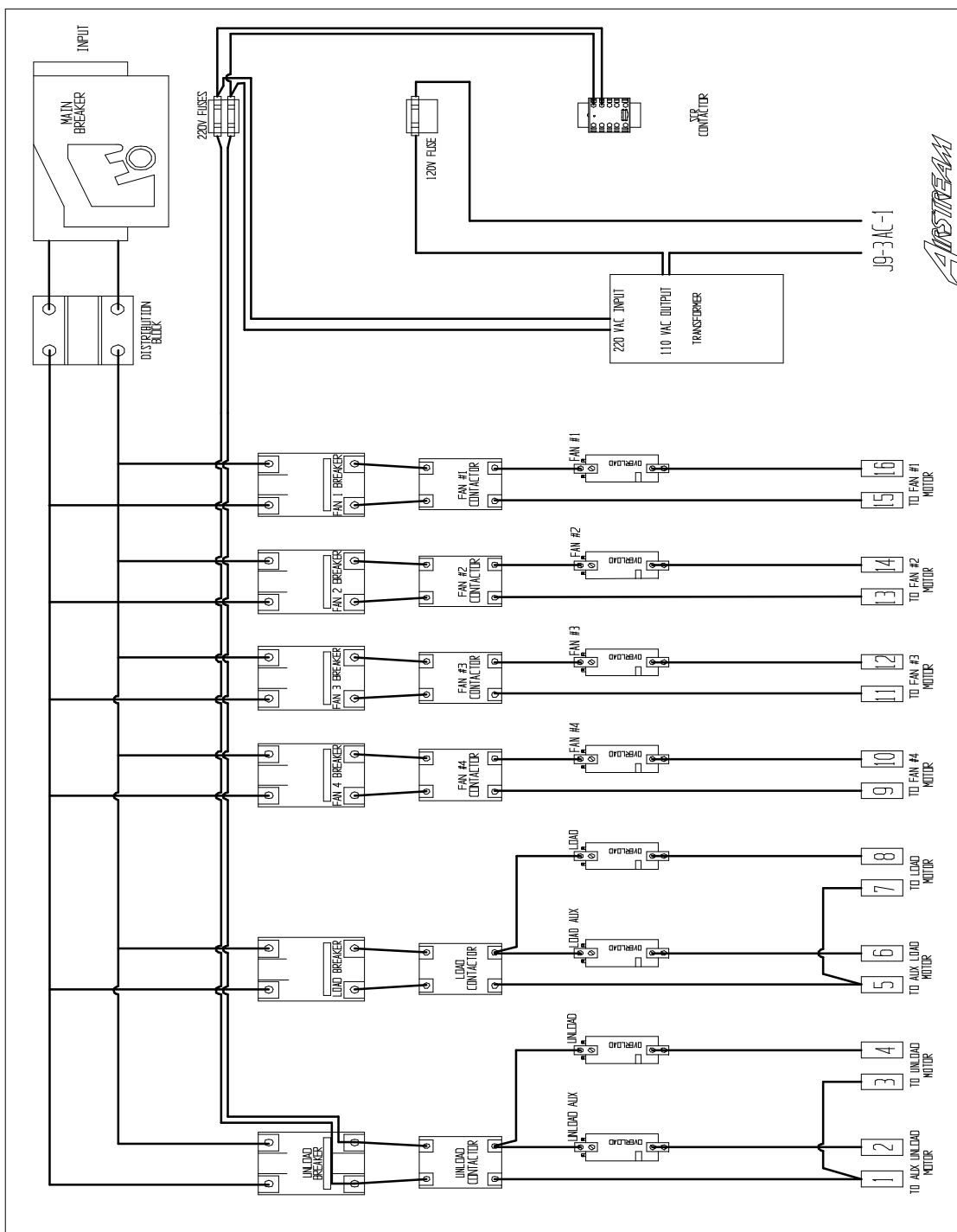


2400 Series

Control Box
Schematics
And
Wiring Diagrams

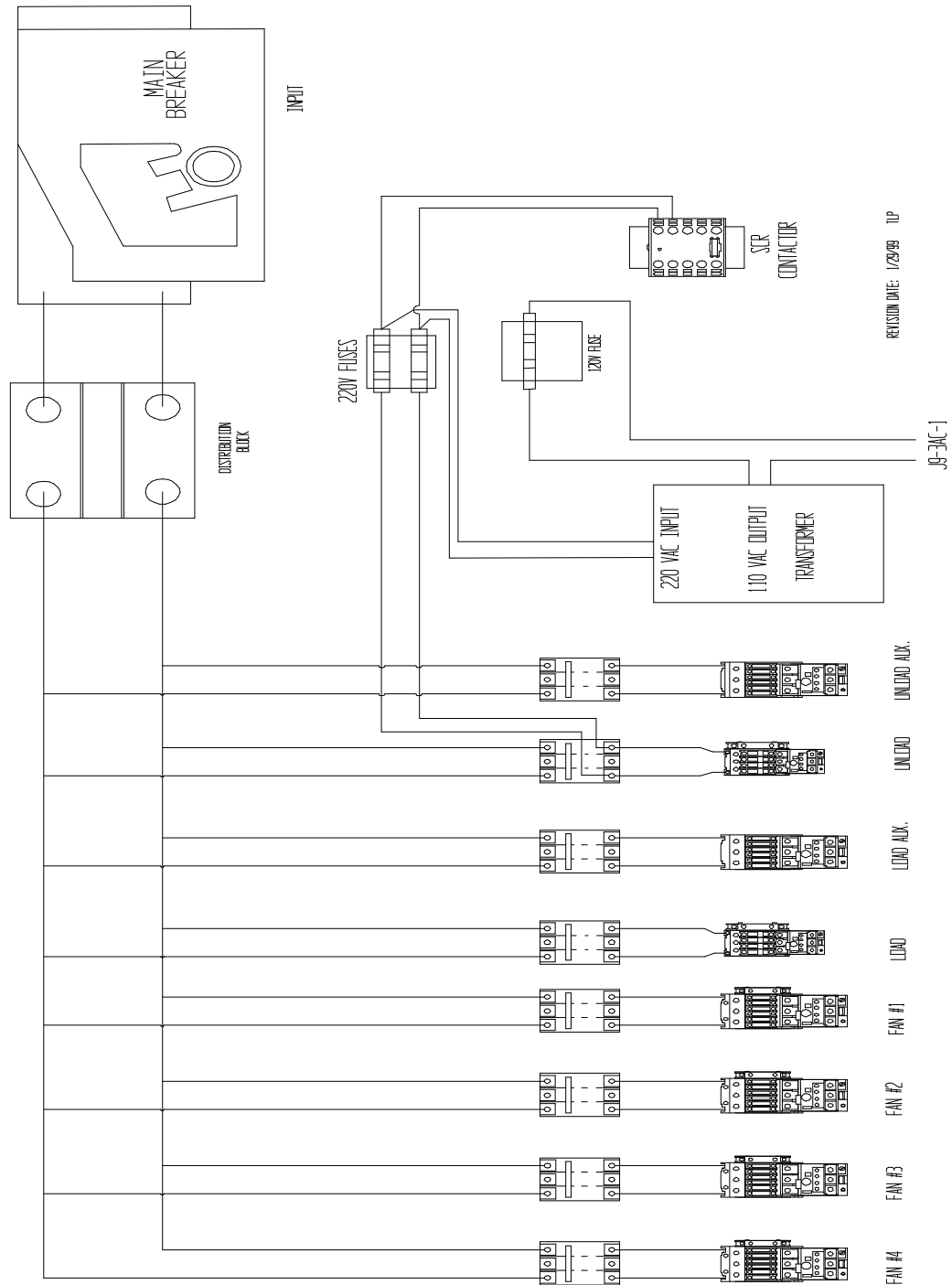
2400 Series 220 Volt Single Phase Power Wiring

2400 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING



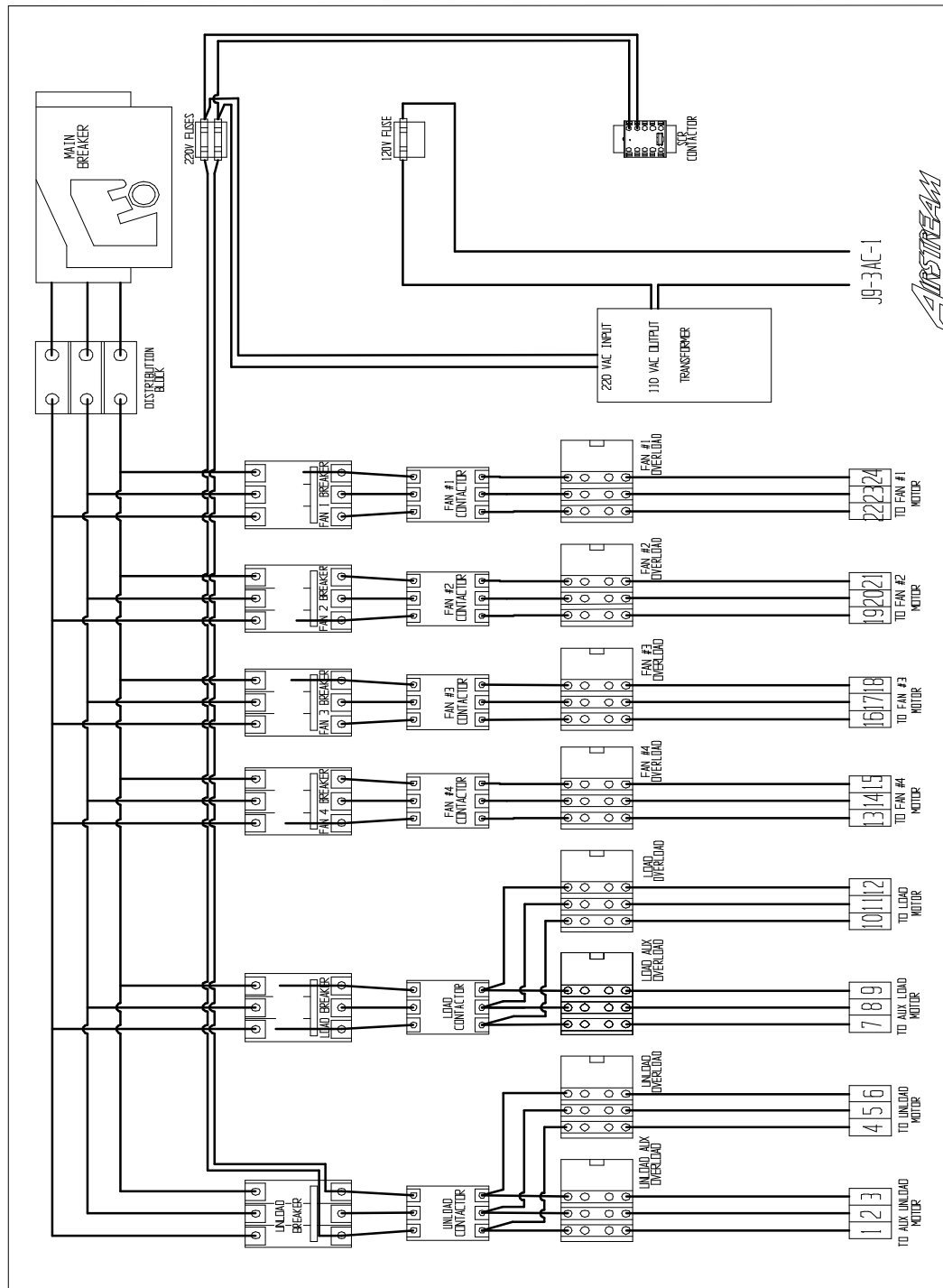
2400 Series 220 Volt Single Phase Power Wiring (New Version)

2400 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING

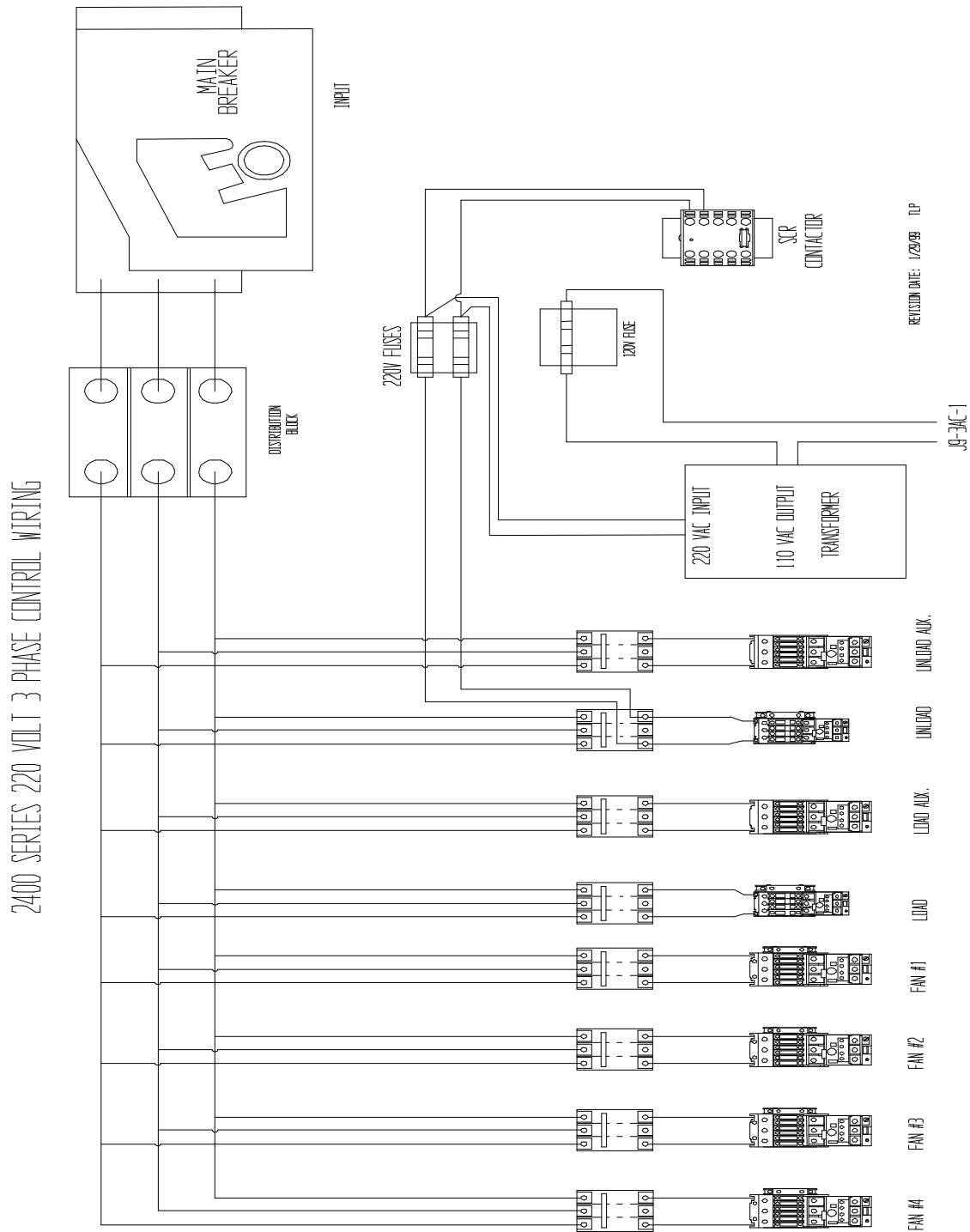


2400 Series 220 Volt Three Phase Power Wiring

2400 SERIES 220 VOLT 3 PHASE POWER WIRING

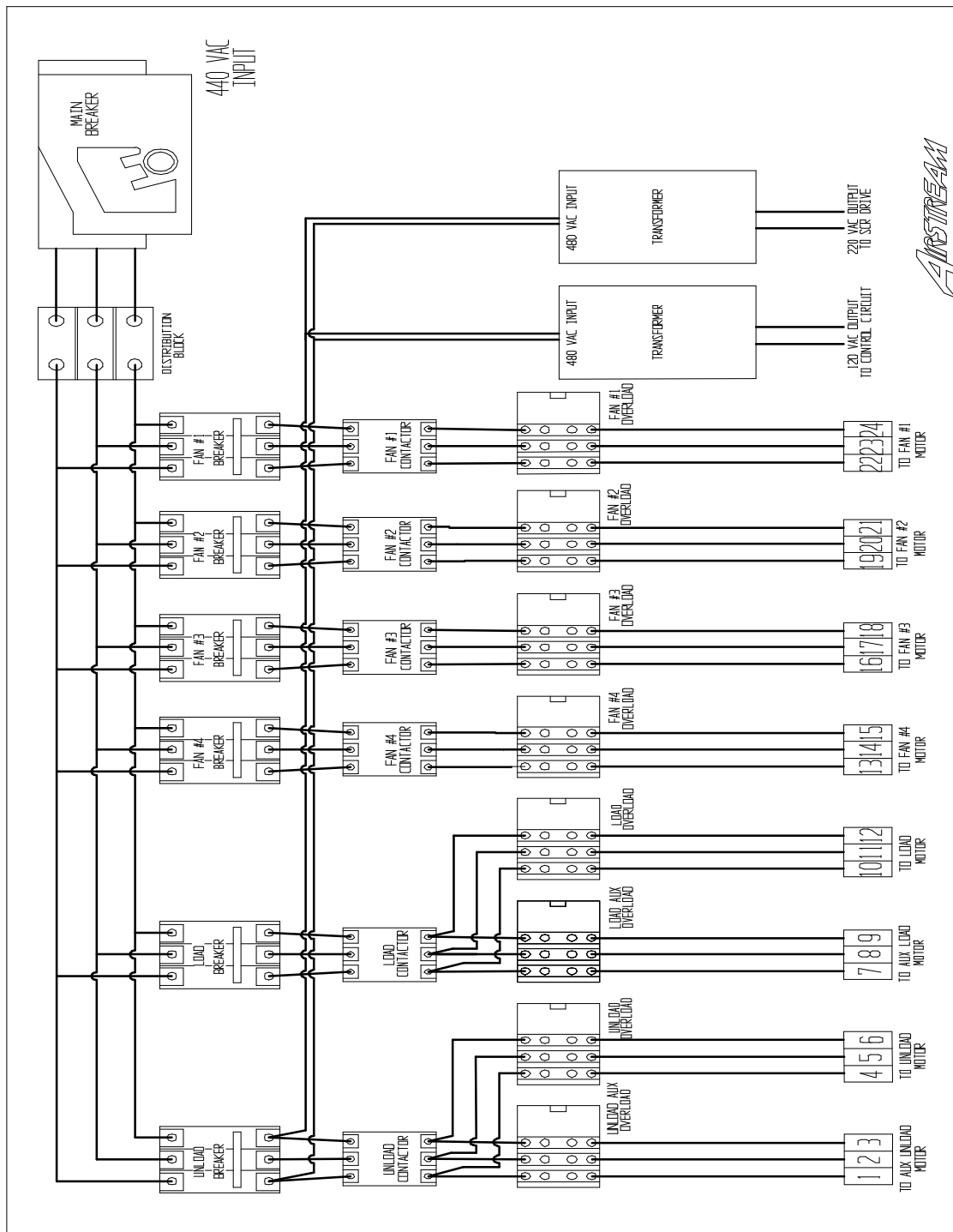


2400 Series 220 Volt Three Phase Power Wiring (New Version)

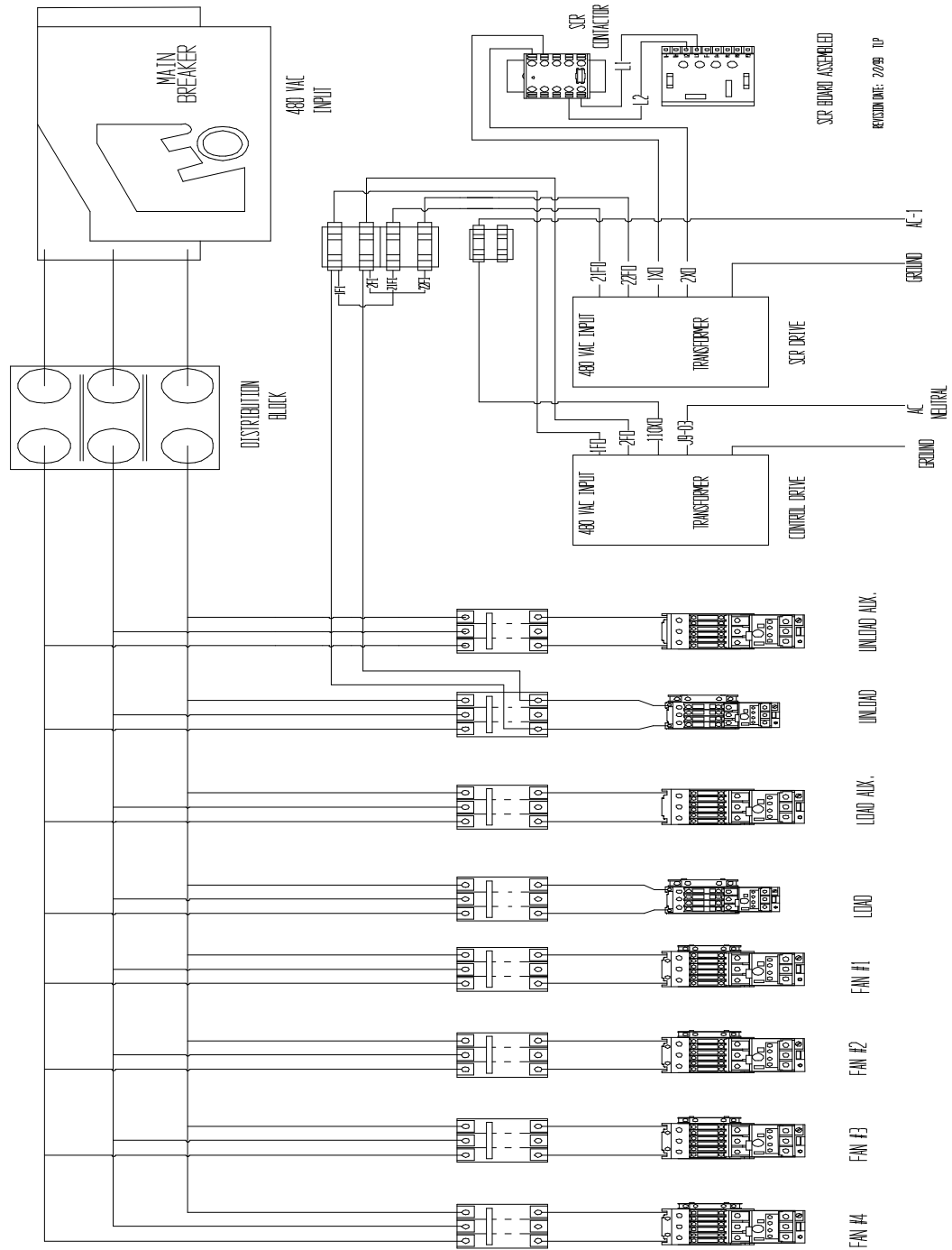


2400 Series 440 Volt Three Phase Power Wiring

2400 SERIES 440 VOLT 3 PHASE POWER WIRING

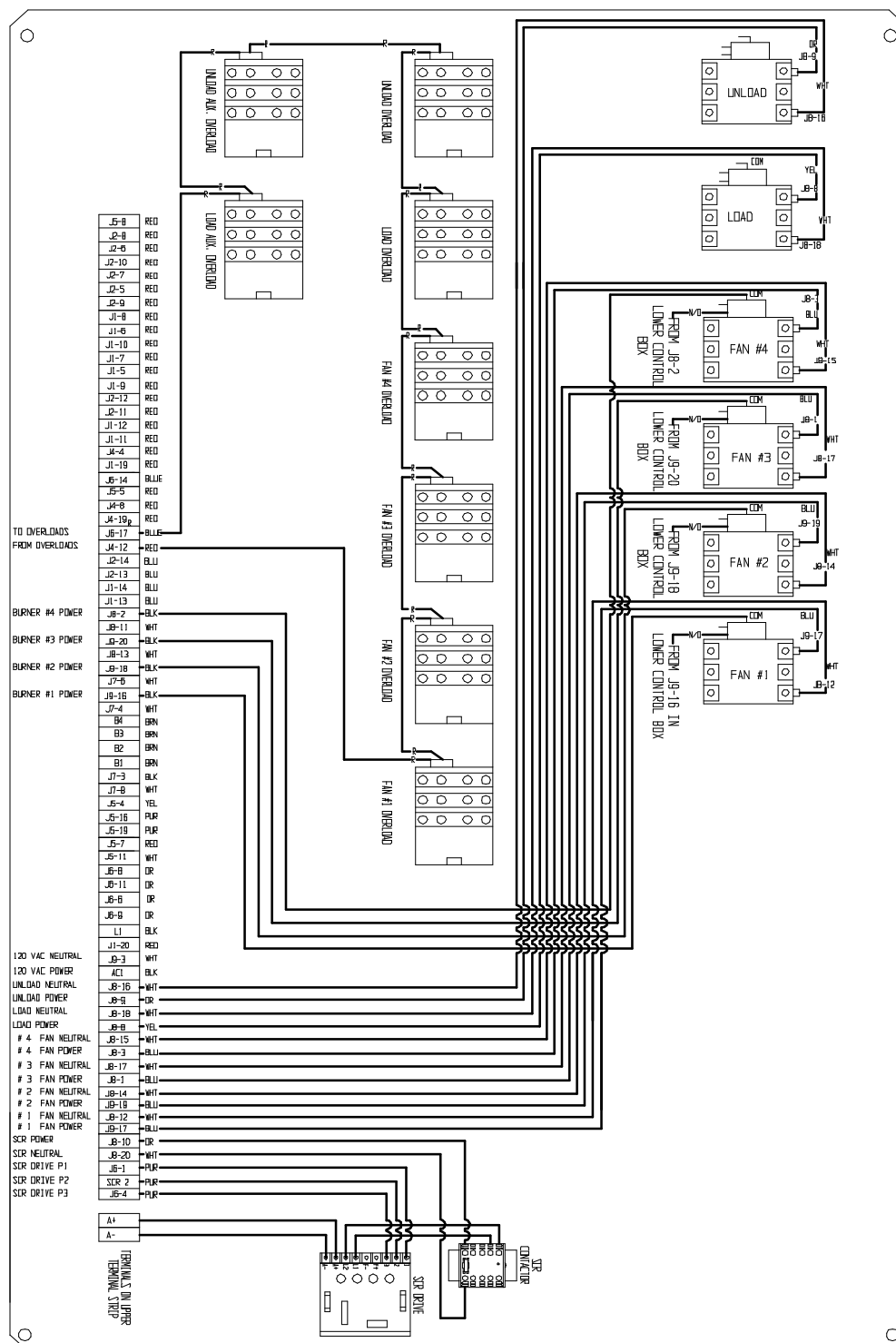


2400 SERIES 440 VOLT 3 PHASE POWER WIRING

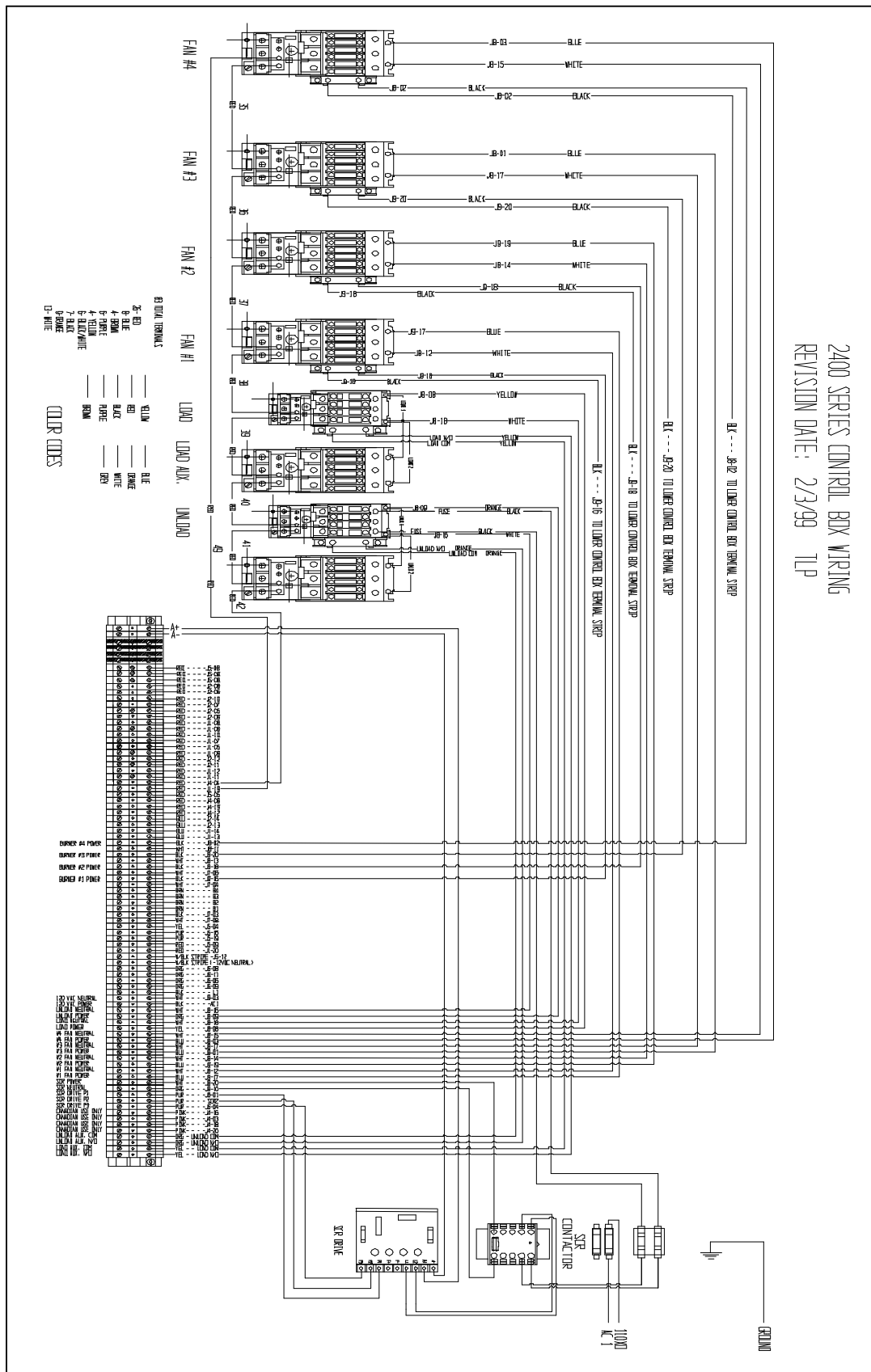


2400 Series Control Box Wiring

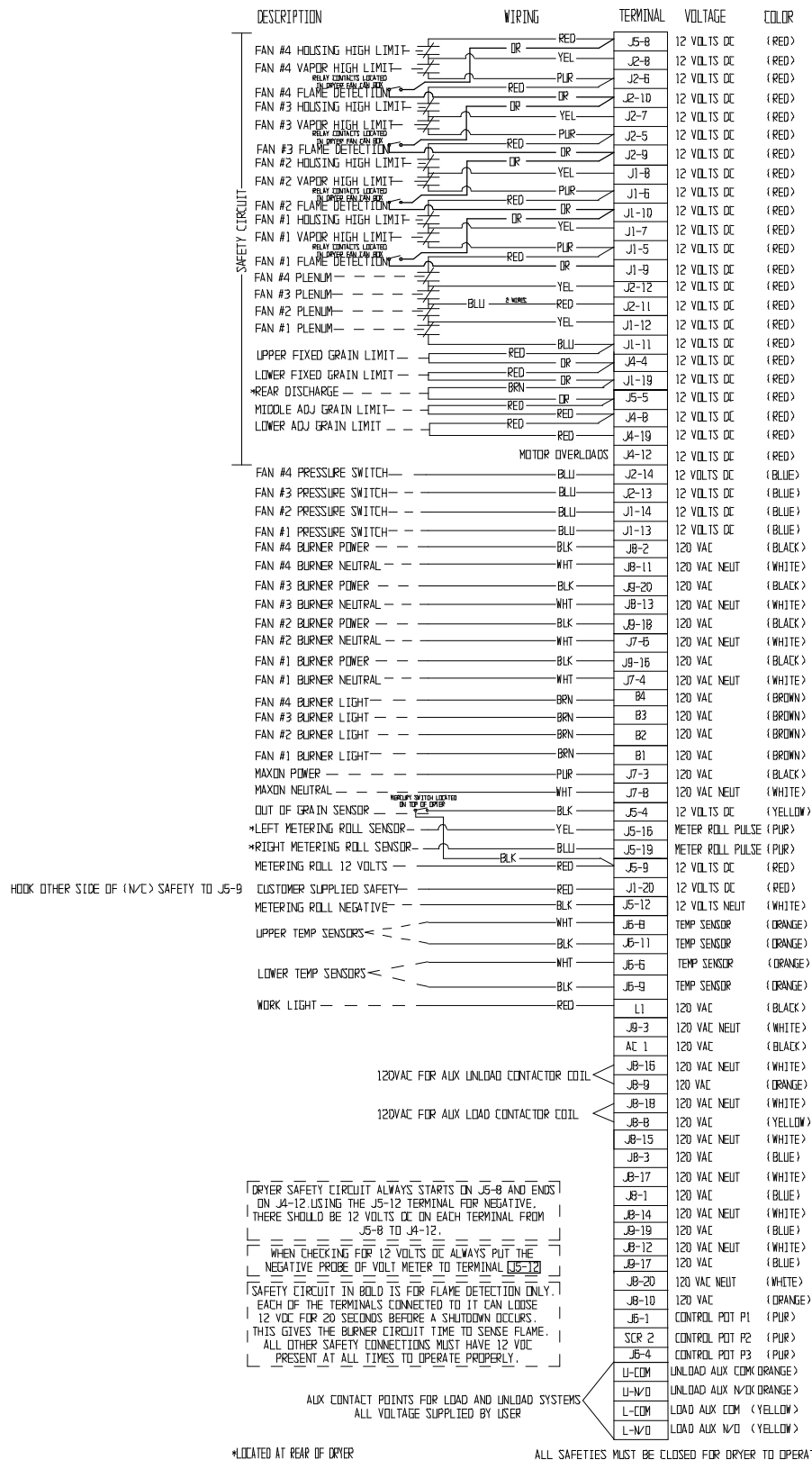
2400 CONTROL CIRCUIT WIRING



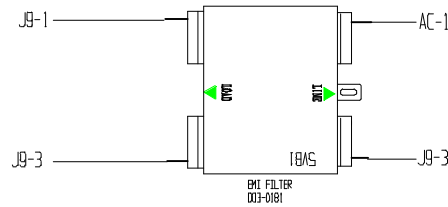
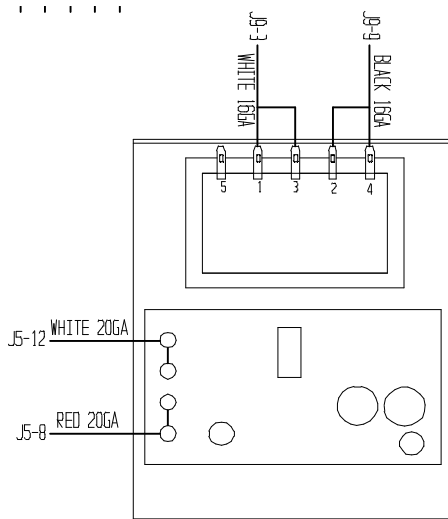
2400 SERIES CONTROL BOX WIRING
REVISION DATE: 2/3/99 TLP



2400 Fan To Control Box Wiring



2400 Fan Lower Control Box Interconnect Strip



L1	BLACK	- 120 VAC	- OUTSIDE LIGHT
B1	BROWN	- 120 VAC	- BURNER #1 LIGHT
B2	BROWN	- 120 VAC	- BURNER #2 LIGHT
B3	BROWN	- 120 VAC	- BURNER #3 LIGHT
B4	BROWN	- 120 VAC	- BURNER #4 LIGHT
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
J2-5	RED	- 12 VDC	- USER SUPPLIED SAFETY
J2-6	RED	- 12 VDC	- FAN #3 VAPOR HIGH LIMIT
J2-7	RED	- 12 VDC	- FAN #4 VAPOR HIGH LIMIT
J2-8	RED	- 12 VDC	- FAN #3 HOUSING HIGH LIMIT
J2-9	RED	- 12 VDC	- FAN #4 HOUSING HIGH LIMIT
J2-10	RED	- 12 VDC	- FAN #3 FLAME DETECTION
J2-11	RED	- 12 VDC	- FAN #4 FLAME DETECTION
J2-12	RED	- 12 VDC	- FAN #3 PLENUM HIGH LIMIT
J2-13	RED	- 12 VDC	- FAN #4 PLENUM HIGH LIMIT
J4-4	BLUE	- 12 VDC	- FAN #3 AIR SWITCH
J4-8	BLUE	- 12 VDC	- FAN #4 AIR SWITCH
J4-12	RED	- 12 VDC	- MIDDLE FIXED GRAIN HIGH LIMIT
J4-19	RED	- 12 VDC	- MIDDLE ADJUSTABLE GRAIN HIGH LIMIT
J5-4	RED	- 12 VDC	- MOTOR OVERLOADS
J5-5	RED	- 12 VDC	- LOWER ADJUSTABLE GRAIN HIGH LIMIT
J5-6	YELLOW	- 12 VDC	- OUT OF GRAIN SENSOR
J5-8	RED	- 12 VDC	- REAR DISCHARGE SWITCH
J5-9	RED	- 12 VDC	- 12 VOLT SUPPLY
J5-12	RED	- 12 VDC	- 12 VOLT SUPPLY
J5-16	WHITE	- 12 VDC NEG	- 12 VOLT SUPPLY NEGATIVE
J5-19	PURPLE	- TIMING PULSE-	- LEFT METERING ROLL PULSE
J6-1	PURPLE	- TIMING PULSE-	- RIGHT METERING ROLL PULSE
J6-4	PURPLE	- CONTROL POT P1	
J6-6	PURPLE	- CONTROL POT P3	
J6-8	ORANGE	- LOWER TEMP SENSOR	
J6-9	ORANGE	- UPPER TEMP SENSOR	
J6-11	ORANGE	- LOWER TEMP SENSOR	
J7-3	ORANGE	- UPPER TEMP SENSOR	
J7-4	BLACK	- 120 VAC	- MAXON POWER
J7-6	WHITE	- AC NEUTRAL	- BURNER #1 NEUTRAL
J7-8	WHITE	- AC NEUTRAL	- BURNER #2 NEUTRAL
J8-1	WHITE	- AC NEUTRAL	- MAXON NEUTRAL
J8-2	BLUE	- 120 VAC	- FAN #3 POWER
J8-3	BLACK	- 120 VAC	- BURNER #4 POWER
J8-4	BLUE	- 120 VAC	- FAN #4 POWER
J8-6	YELLOW	- 120 VAC	- LOAD POWER
J8-9	ORANGE	- 120 VAC	- UNLOAD POWER
J8-10	ORANGE	- 120 VAC	- SCR POWER
J8-11	WHITE	- AC NEUTRAL	- BURNER #4 NEUTRAL
J8-12	WHITE	- AC NEUTRAL	- FAN #1 NEUTRAL
J8-13	WHITE	- AC NEUTRAL	- BURNER #3 NEUTRAL
J8-14	WHITE	- AC NEUTRAL	- FAN #2 NEUTRAL
J8-15	WHITE	- AC NEUTRAL	- FAN #4 NEUTRAL
J8-16	WHITE	- AC NEUTRAL	- UNLOAD NEUTRAL
J8-17	WHITE	- AC NEUTRAL	- FAN #3 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
J9-20	BLACK	- 120 VAC	- BURNER #3 POWER

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

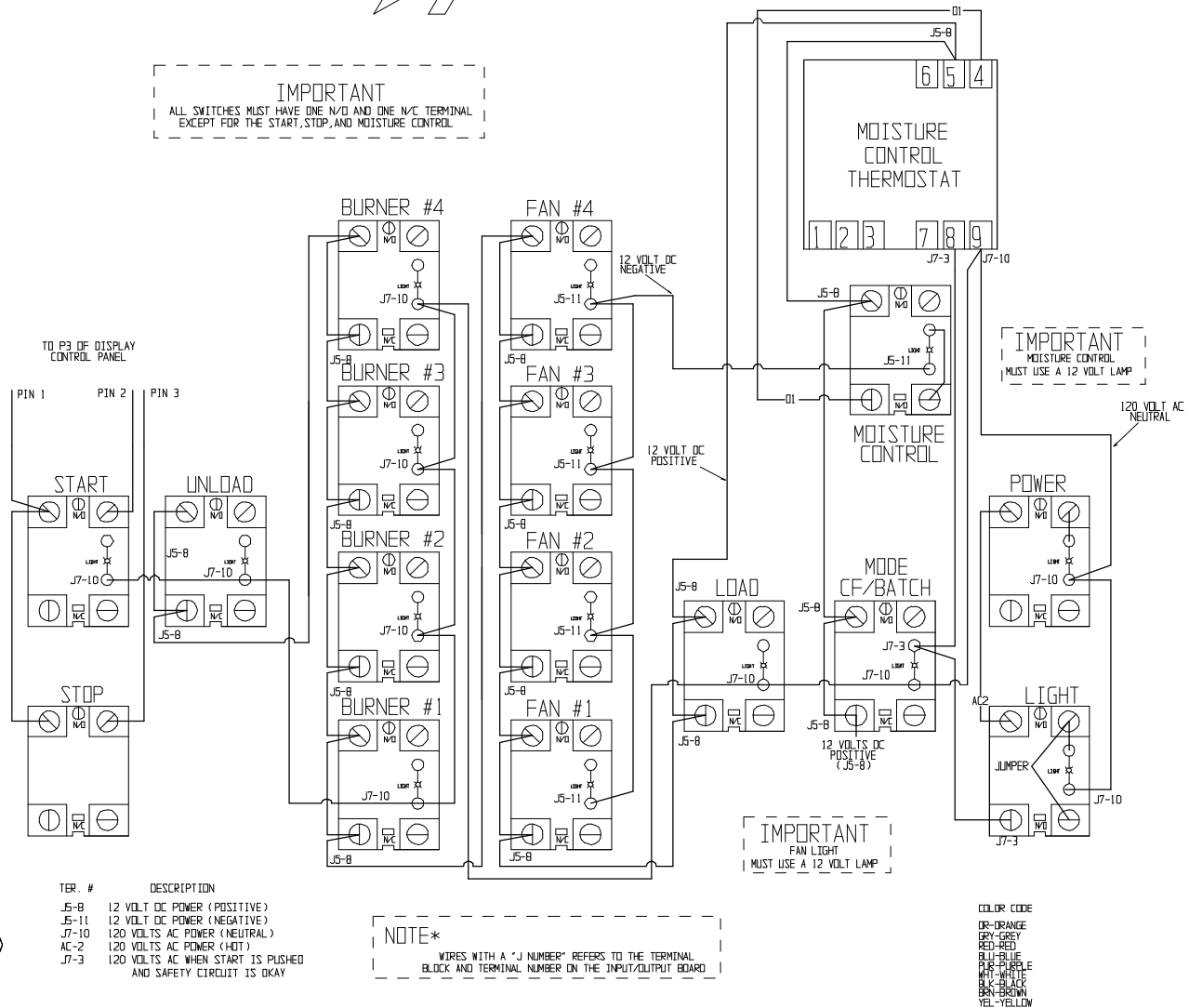
1/0 BOARD JUMPEX
 INSTALL J1-9 TO J5-6
 INSTALL J5-2 TO J5-20
 INSTALL J4-12 TO J5-10
 INSTALL J9-1 TO J9-5

69 - 001-0531 INPLET TERMINALS
 2 - 001-0533 END STOPS
 1 - 001-0532 BLANK PROTECTOR ENDS

Four Fan Front Panel Internal Wiring

2400 SERIES FRONT PANEL INTERNAL WIRING

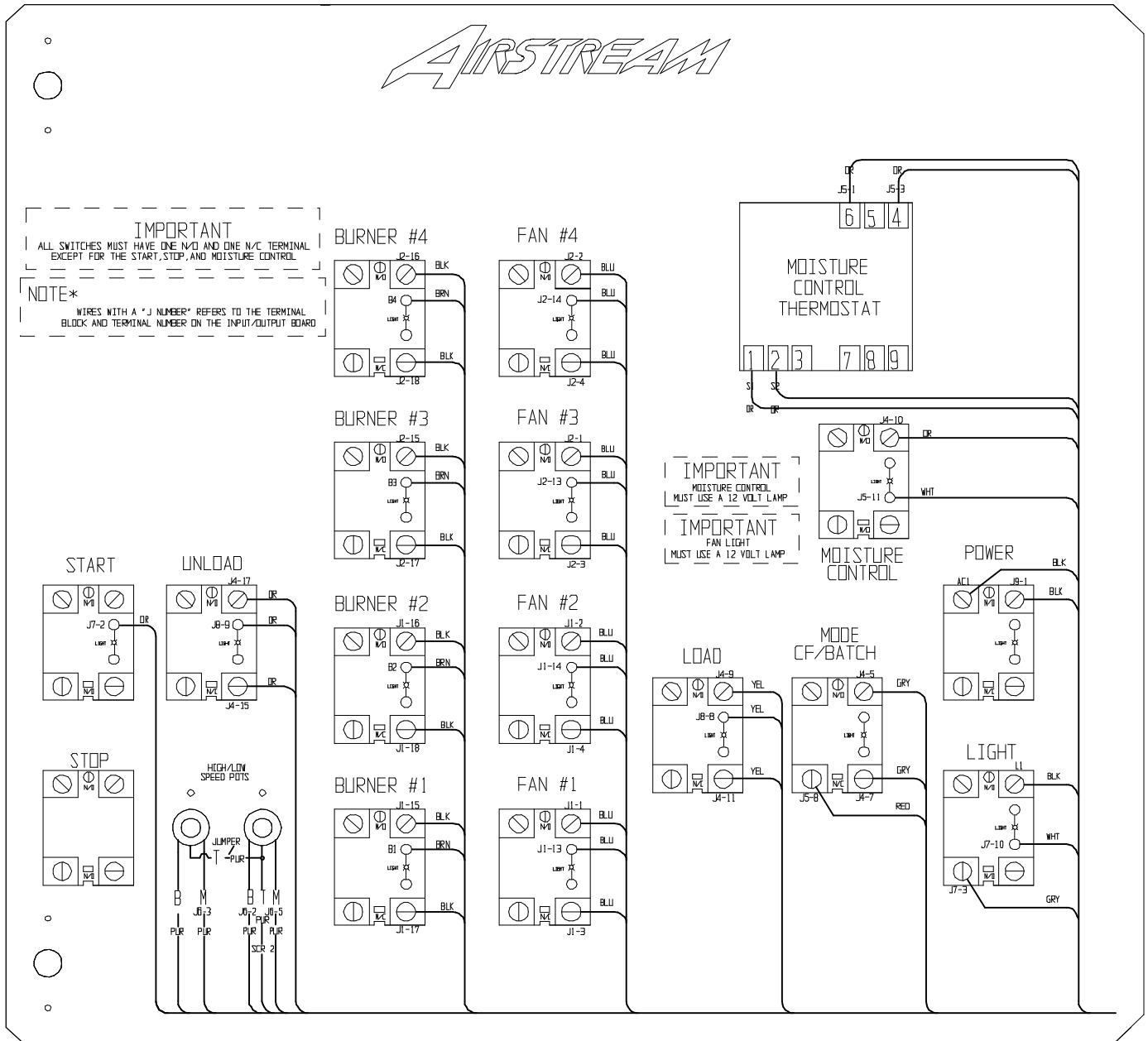
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Four Fan Front Panel External Wiring

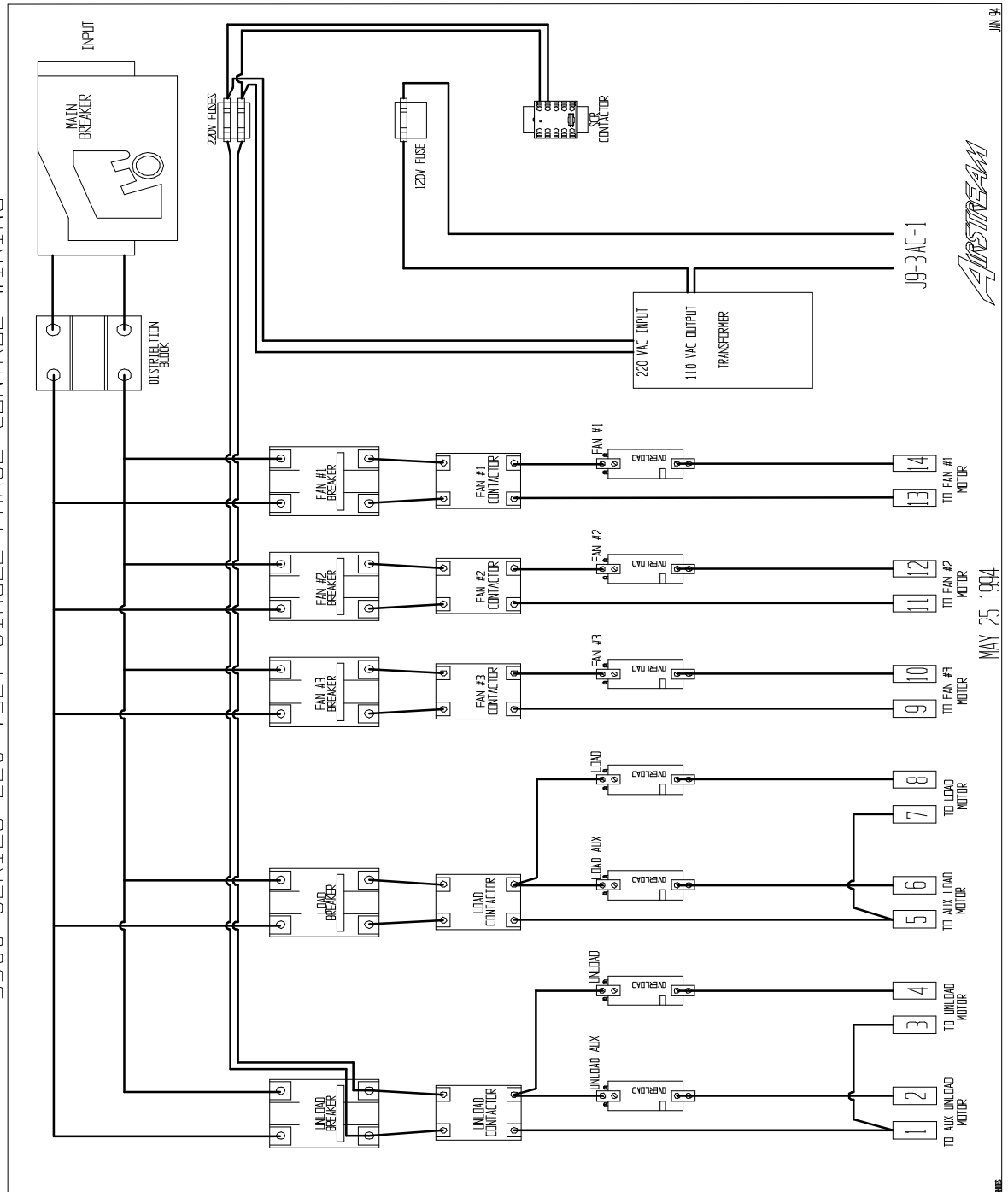


3300 Series

Control Box
Schematics
And
Wiring Diagrams

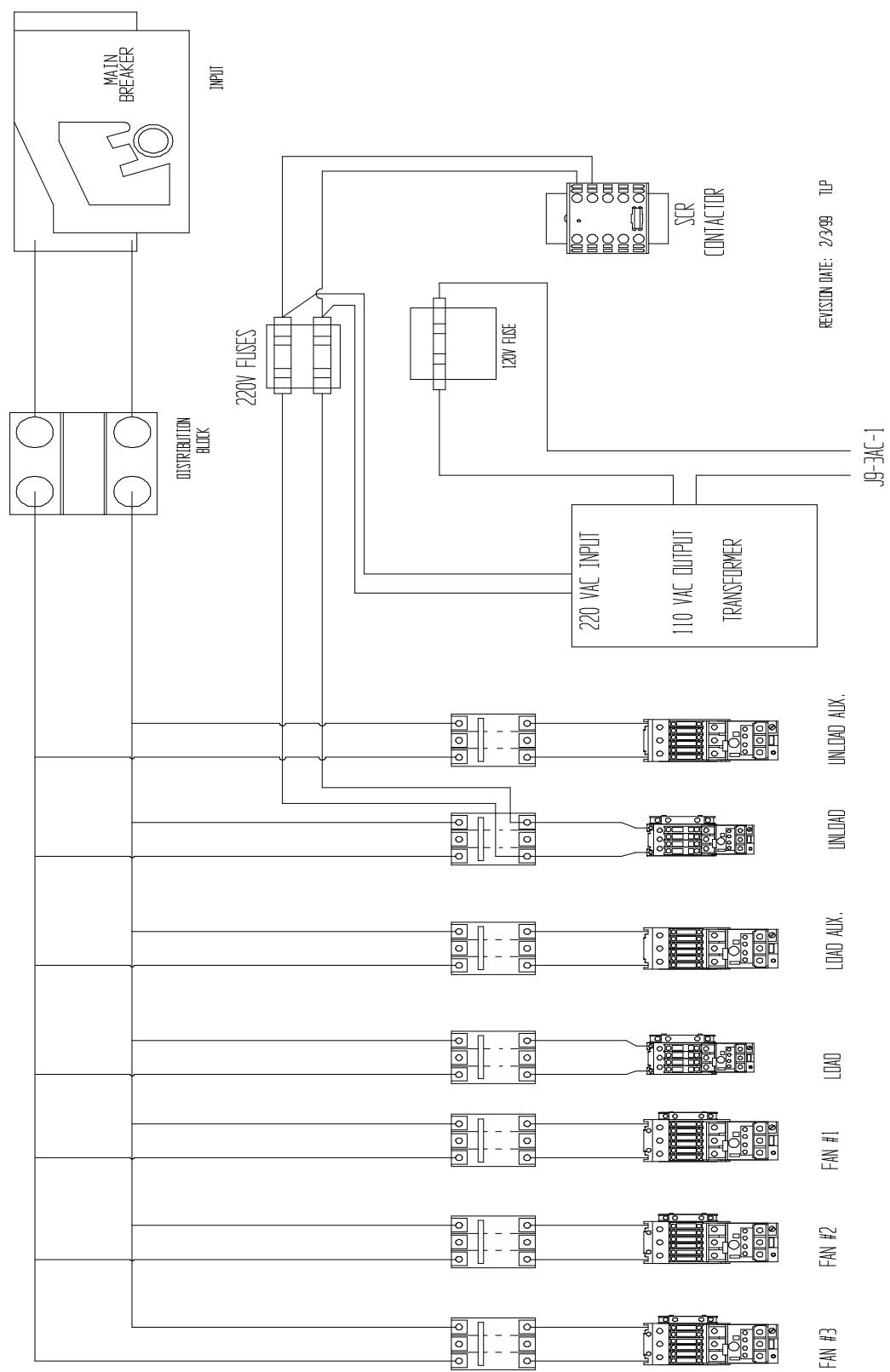
3300 Series 220 Volt Single Phase Power Wiring

3300 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING



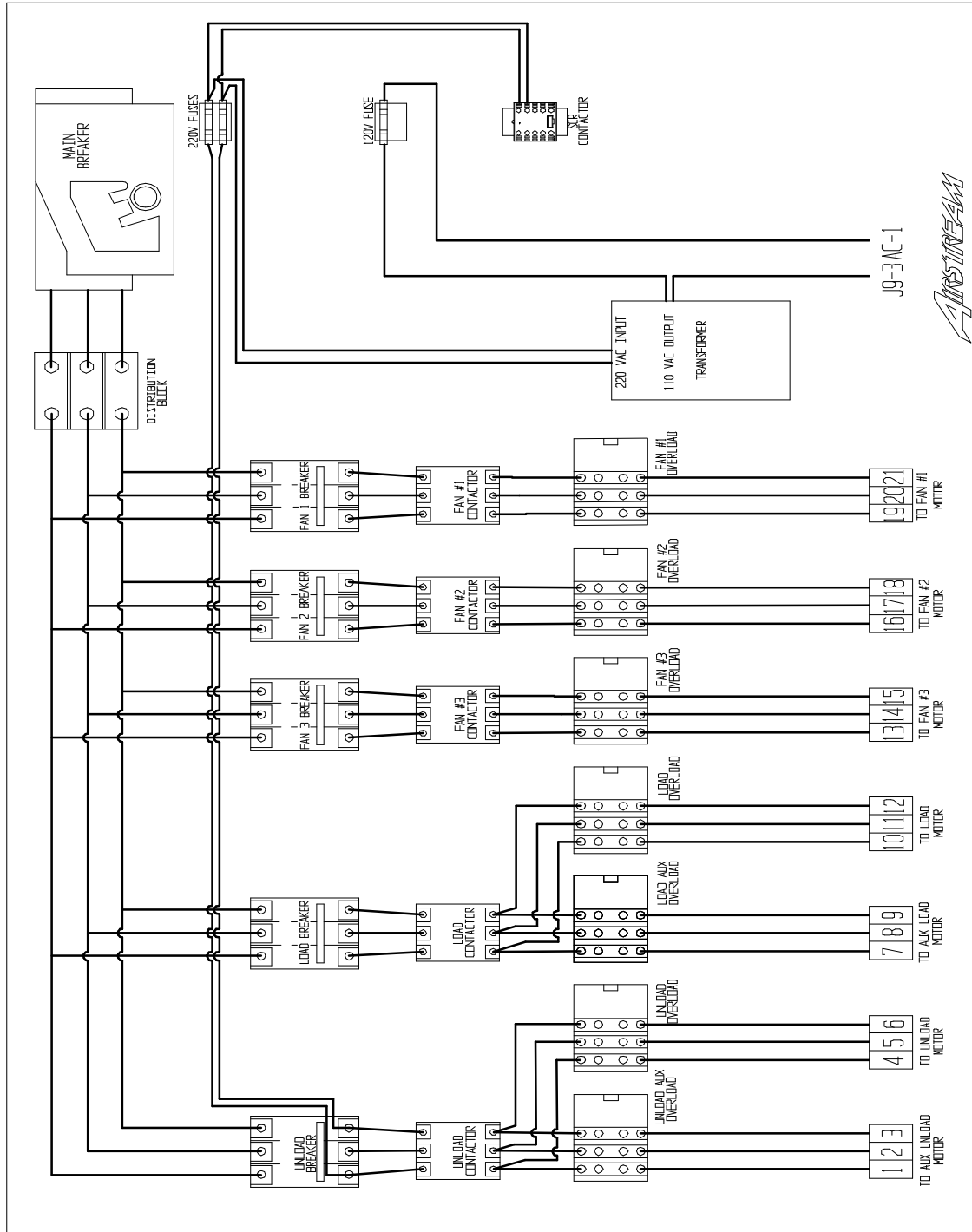
3300 Series 220 Volt Single Phase Power Wiring (New Version)

3300 SERIES 220 VOLT SINGLE PHASE CONTROL WIRING

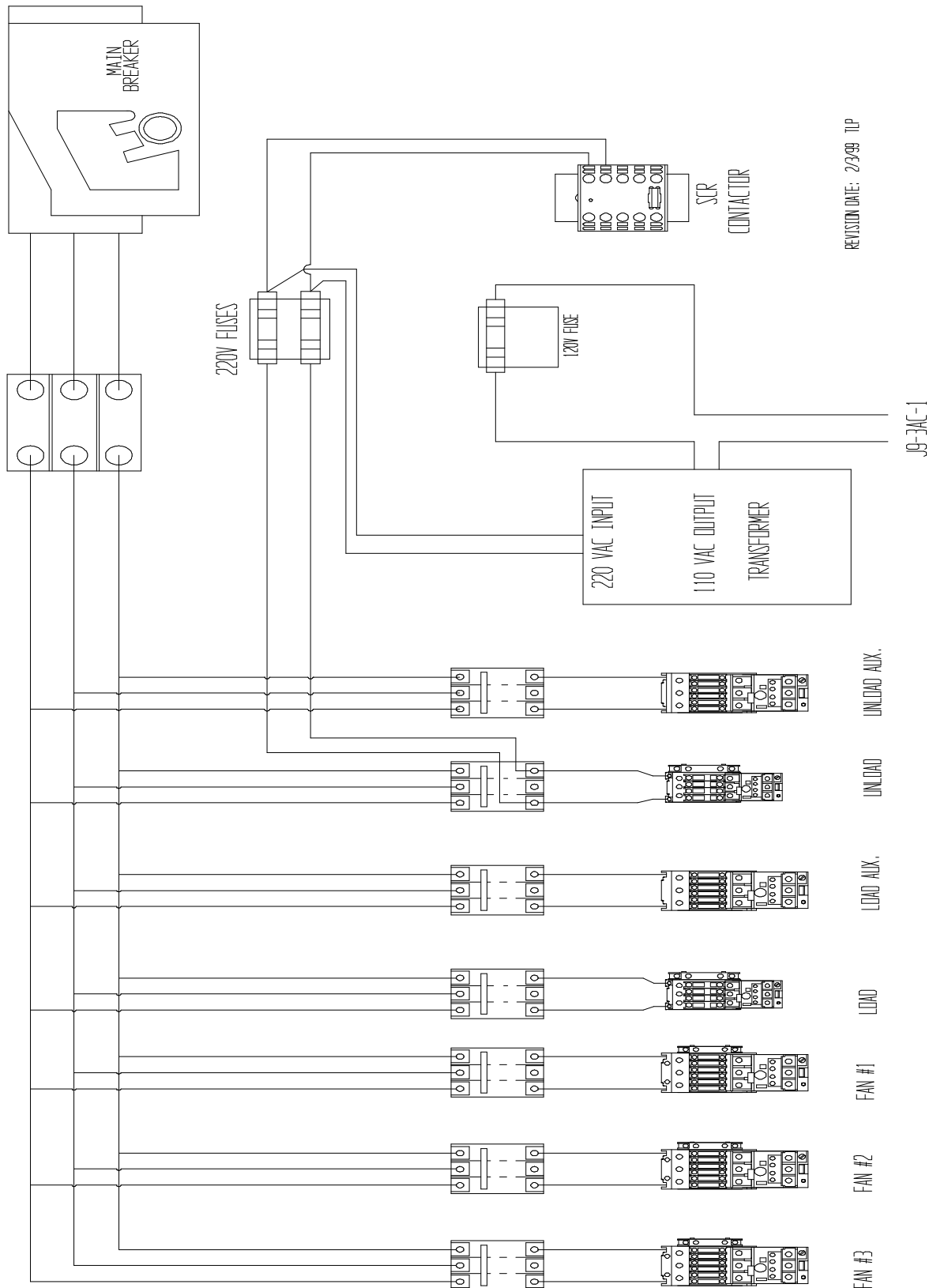


3300 Series 220 Volt Three Phase Power Wiring

3300 SERIES 220 VOLT 3 PHASE POWER WIRING

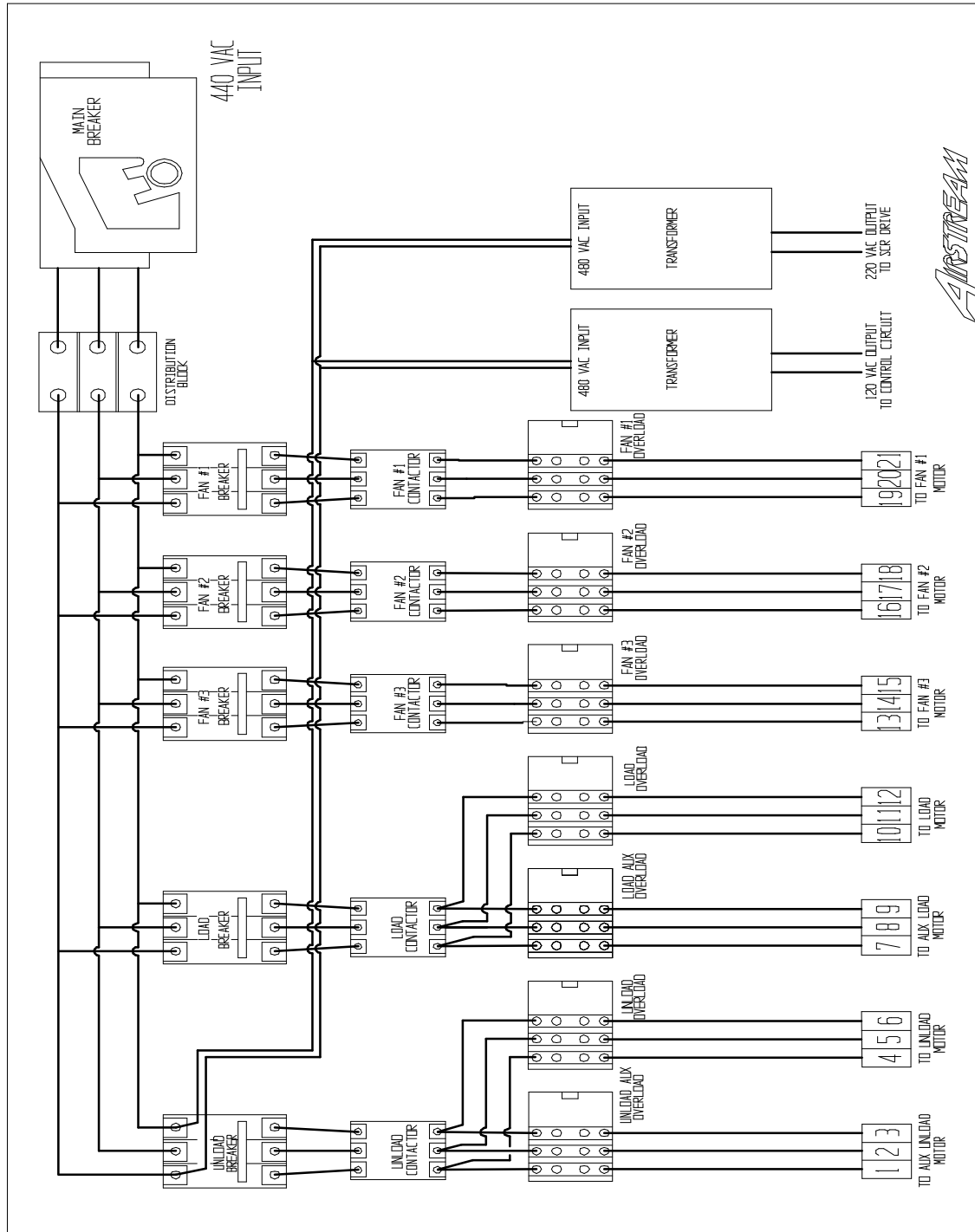


3300 SERIES 220 VOLT 3 PHASE POWER WIRING



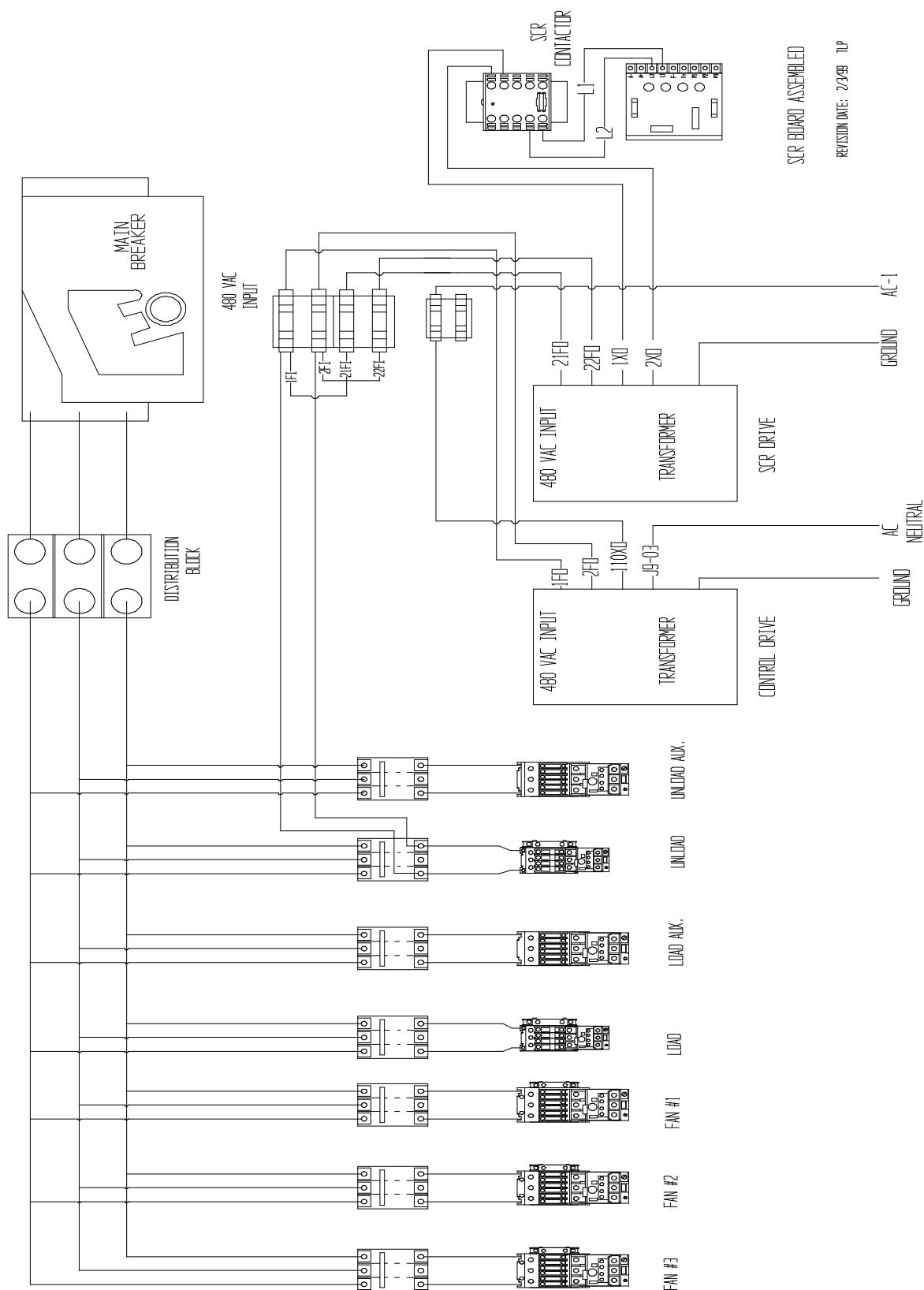
3300 Series 440 Volt Three Phase Power Wiring

3300 SERIES 440 VOLT 3 PHASE POWER WIRING

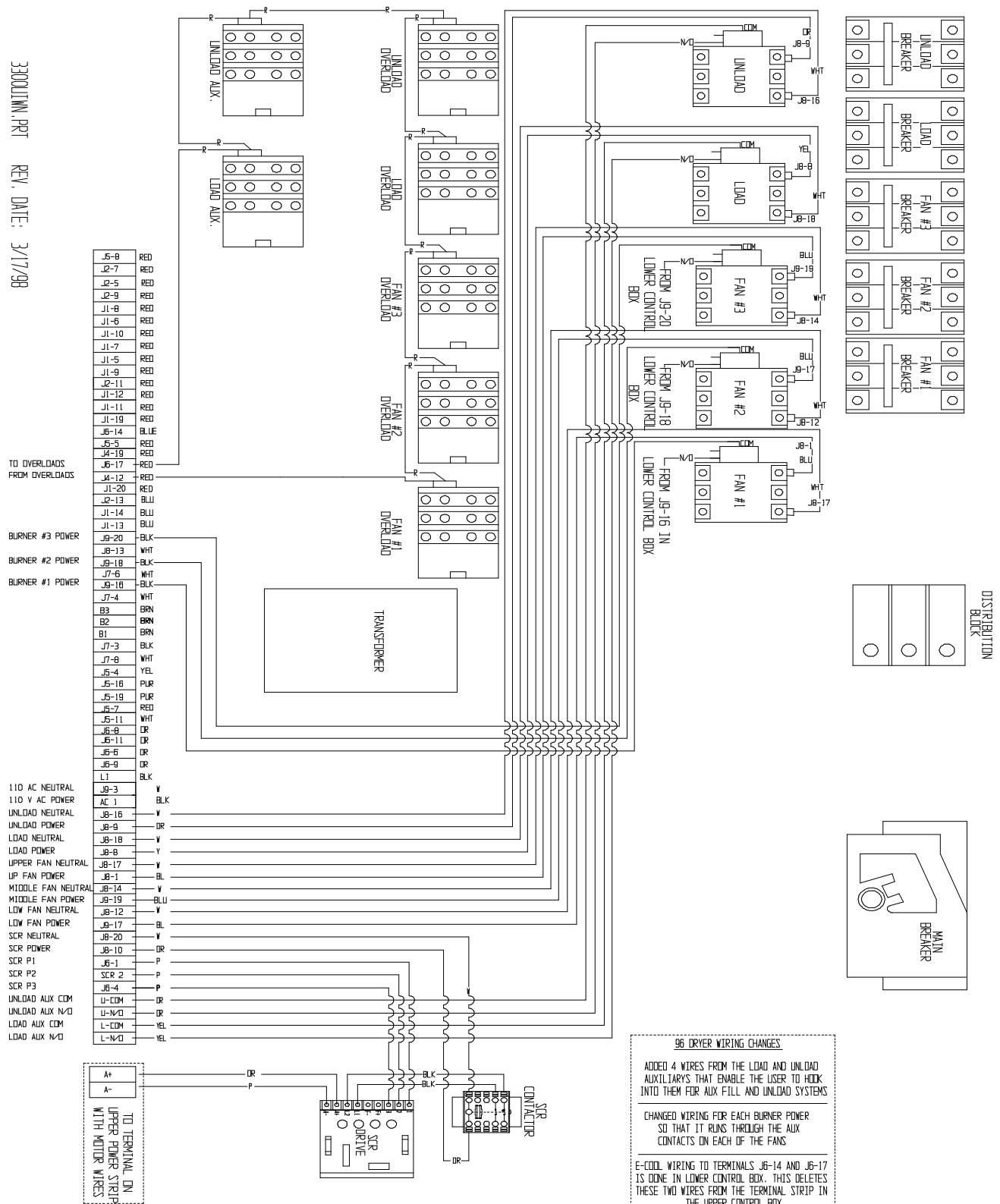


3300 Series 440 Volt Three Phase Power Wiring (New Version)

3300 SERIES 440 VOLT 3 PHASE POWER WIRING



3300 Series Control Box Wiring

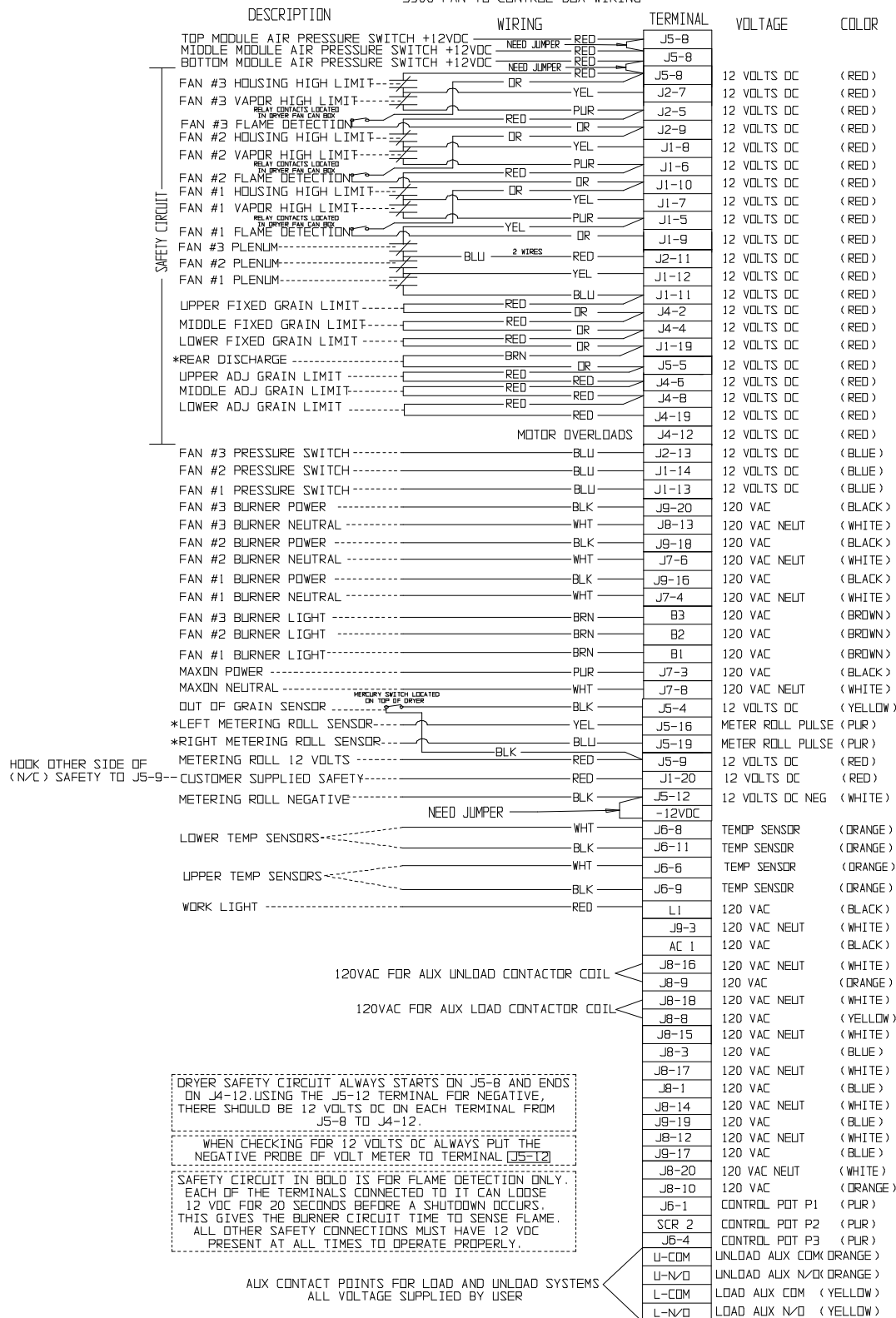


3300 SERIES CONTROL BOX WIRING
REVISION DATE: 3/14/99 IJF



3300 Fan to Control Box Wiring

3300 FAN TO CONTROL BOX WIRING

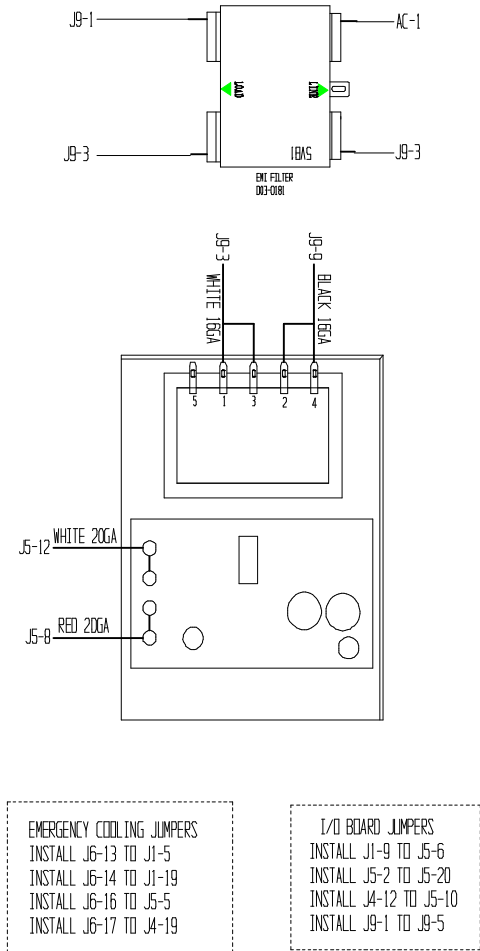


*LOCATED AT REAR OF DRYER

ALL SAFETIES MUST BE CLOSED FOR DRYER TO OPERATE

3300EW98.PRT REV. DATE 3/13/98

3300 Fan Lower Control Box Interconnect Strip



63 - 001-0531 ENTRELEC TERMINALS
2 - 001-0533 END STOPS
1 - 001-0532 BLANK PROTECTOR ENDS

REVISION DATE: 3/5/99 TLP

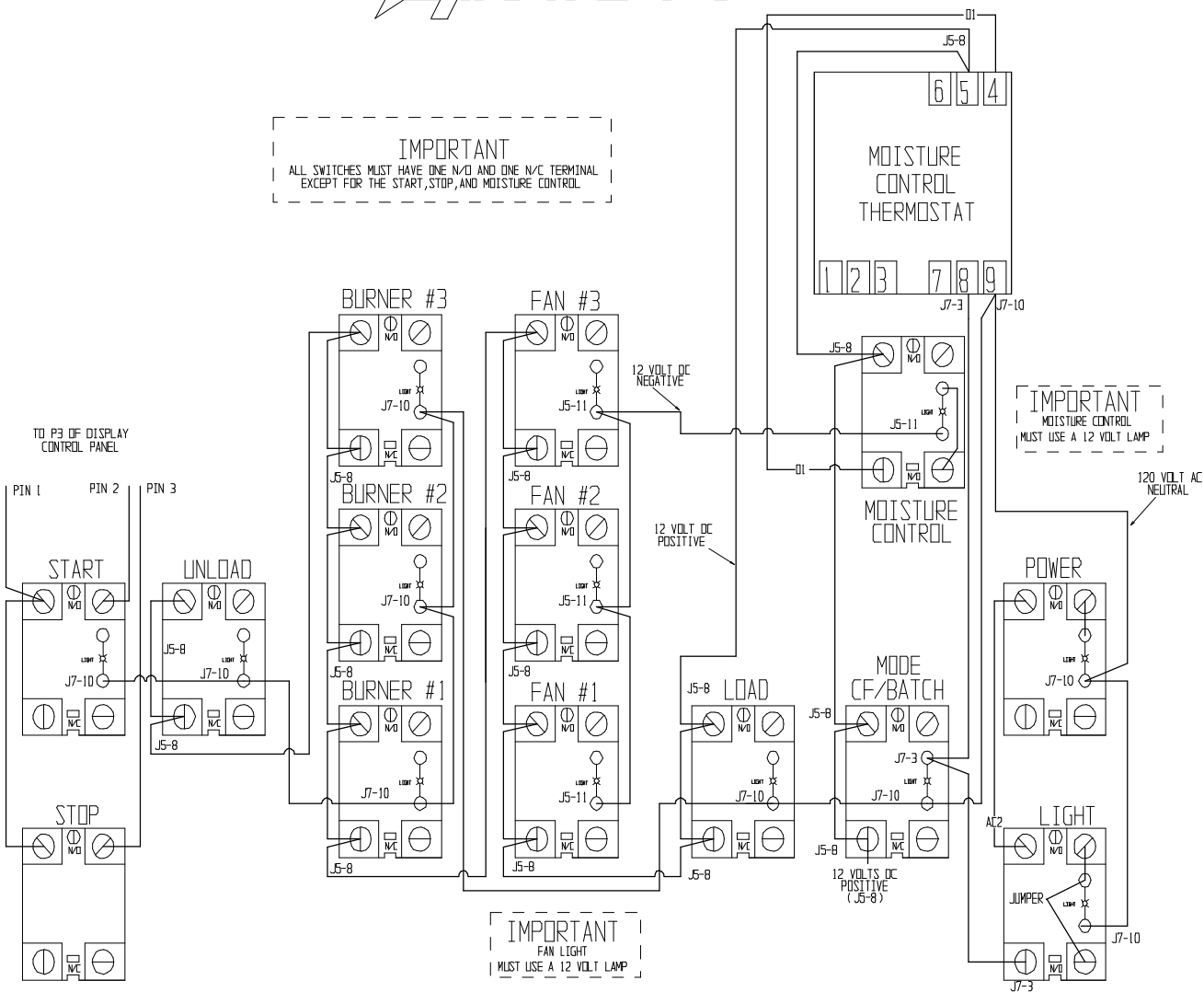
L1	⊗	⊙	⊗	BLACK	- 120 VAC	- OUTSIDE LIGHT
B1	⊗	⊙	⊗	BROWN	- 120 VAC	- BURNER #1 LIGHT
B2	⊗	⊙	⊗	BROWN	- 120 VAC	- BURNER #2 LIGHT
B3	⊗	⊙	⊗	BROWN	- 120 VAC	- BURNER #3 LIGHT
SCR2	⊗	⊙	⊗	PURPLE	- CONTROL POT P2	
J1-5	⊗	⊙	⊗	RED	- 12 VDC	- FAN #1 VAPOR HIGH LIMIT
J1-6	⊗	⊙	⊗	RED	- 12 VDC	- FAN #2 VAPOR HIGH LIMIT
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
J2-5	⊗	⊙	⊗	RED	- 12 VDC	- FAN #3 VAPOR HIGH LIMIT
J2-7	⊗	⊙	⊗	RED	- 12 VDC	- FAN #3 HOUSING HIGH LIMIT
J2-9	⊗	⊙	⊗	RED	- 12 VDC	- FAN #3 FLAME DETECTION
J2-11	⊗	⊙	⊗	RED	- 12 VDC	- FAN #3 PLENUM HIGH LIMIT
J2-13	⊗	⊙	⊗	BLUE	- 12 VDC	- FAN #3 AIR SWITCH
J4-2	⊗	⊙	⊗	RED	- 12 VDC	- UPPER FIXED GRAIN HIGH LIMIT
J4-4	⊗	⊙	⊗	RED	- 12 VDC	- MIDDLE FIXED GRAIN HIGH LIMIT
J4-6	⊗	⊙	⊗	RED	- 12 VDC	- UPPER ADJUSTABLE GRAIN HIGH LIMIT
J4-8	⊗	⊙	⊗	RED	- 12 VDC	- MIDDLE ADJUSTABLE GRAIN HIGH LIMIT
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	
J6-6	⊗	⊙	⊗	ORANGE	- LOWER TEMP SENSOR	
J6-8	⊗	⊙	⊗	ORANGE	- UPPER TEMP SENSOR	
J6-9	⊗	⊙	⊗	ORANGE	- LOWER TEMP SENSOR	
J6-11	⊗	⊙	⊗	ORANGE	- UPPER TEMP SENSOR	
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
J8-1	⊗	⊙	⊗	BLUE	- 120 VAC	- FAN #3 POWER
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
J8-13	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- BURNER #3 NEUTRAL
J8-14	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- FAN #2 NEUTRAL
J8-16	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- UNLOAD NEUTRAL
J8-17	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- FAN #3 NEUTRAL
J8-18	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- LOAD NEUTRAL
J8-20	⊗	⊙	⊗	WHITE	- AC NEUTRAL	- SCR NEUTRAL
J9-04	⊗	⊙	⊗	WHITE	- MOISTURE CONTROL NEUTRAL	
J9-05	⊗	⊙	⊗	BLACK	- MOISTURE CONTROL POWER	
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
J9-20	⊗	⊙	⊗	BLACK	- 120 VAC	- BURNER #3 POWER

Three Fan Front Panel Internal Wiring

3300 SERIES FRONT PANEL INTERNAL WIRING

AIRSTREAM

IMPORTANT
ALL SWITCHES MUST HAVE ONE N/O AND ONE N/C TERMINAL
EXCEPT FOR THE START, STOP, AND MOISTURE CONTROL



TER. #	DESCRIPTION
J5-8	12 VOLT DC POWER (POSITIVE)
J5-11	12 VOLT DC POWER (NEGATIVE)
J7-10	120 VOLTS AC POWER (NEUTRAL)
AC-2	120 VOLTS AC POWER (HOT)
J7-3	120 VOLTS AC WHEN START IS PULSED AND SAFETY CIRCUIT IS OKAY

MARCH 6 1996

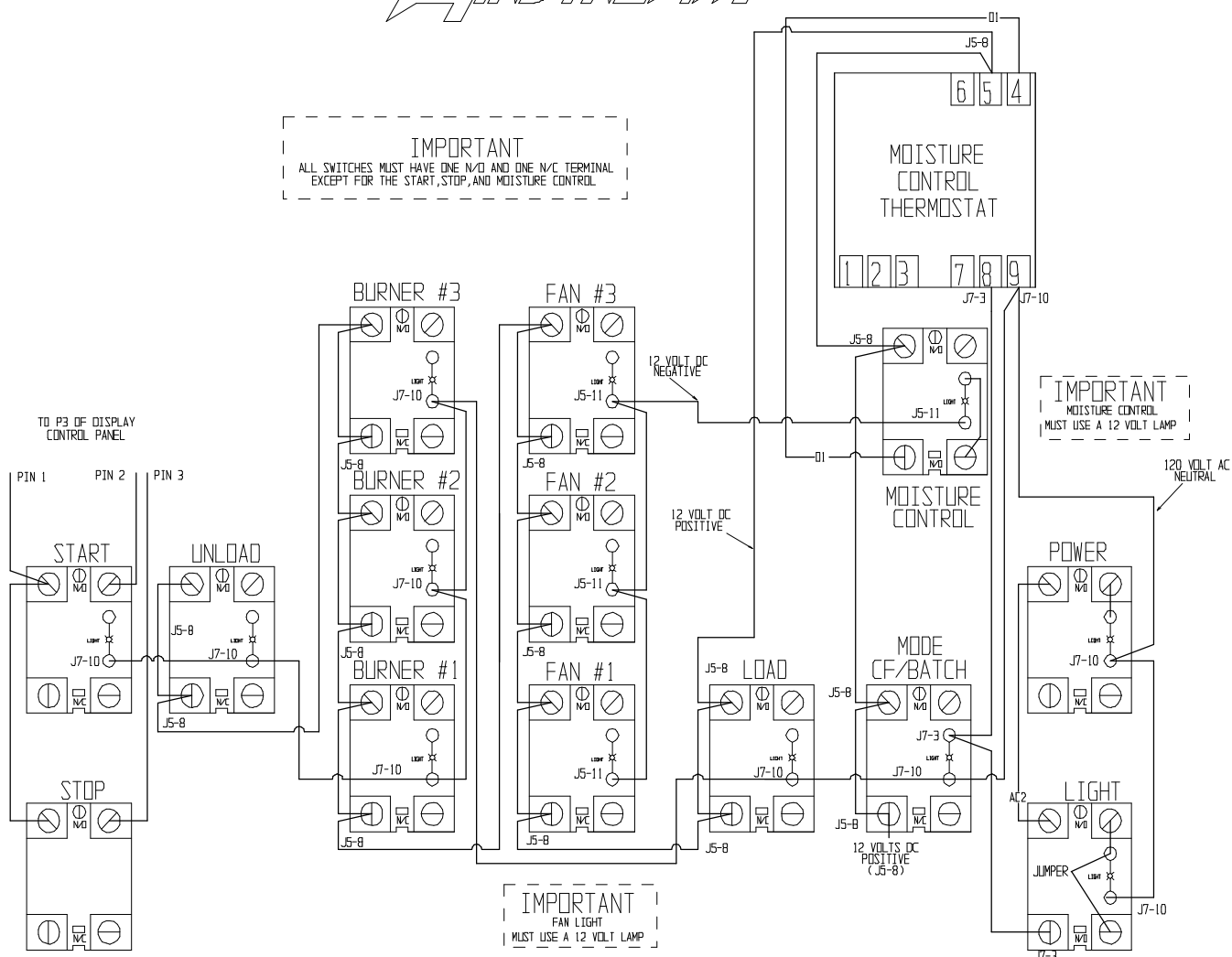
JUNE 93

Three Fan Front Panel External Wiring

3300 SERIES FRONT PANEL INTERNAL WIRING

AIRSTREAM

IMPORTANT
ALL SWITCHES MUST HAVE ONE N/O AND ONE N/C TERMINAL
EXCEPT FOR THE START, STOP, AND MOISTURE CONTROL



TER. #	DESCRIPTION
J5-8	12 VOLT DC POWER (POSITIVE)
J5-11	12 VOLT DC POWER (NEGATIVE)
J7-10	120 VOLTS AC POWER (NEUTRAL)
AC-2	120 VOLTS AC POWER (HOT)
J7-3	120 VOLTS AC WHEN START IS PUSHED AND SAFETY CIRCUIT IS OKAY

NOTE*
WIRES WITH A "J NUMBER" REFERS TO THE TERMINAL
BLOCK AND TERMINAL NUMBER ON THE INPUT/OUTPUT BOARD

COLOR CODE
OR-ORANGE
GR-GRAY
RD-RED
BL-BLUE
PU-PURPLE
WH-WHITE
BK-BLACK
BN-BROWN
YL-YELLOW

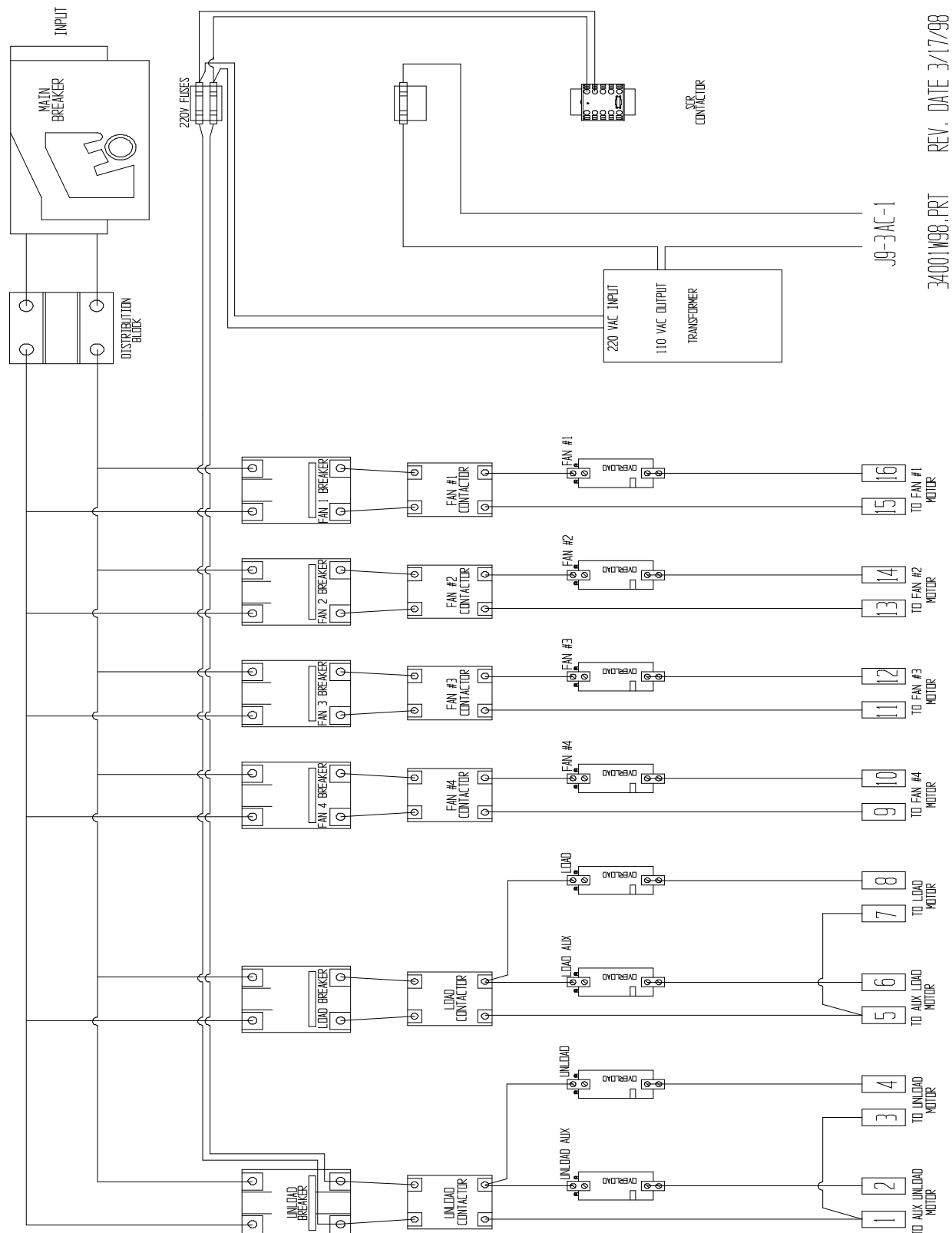
MARCH 6 1996

JUNE 93

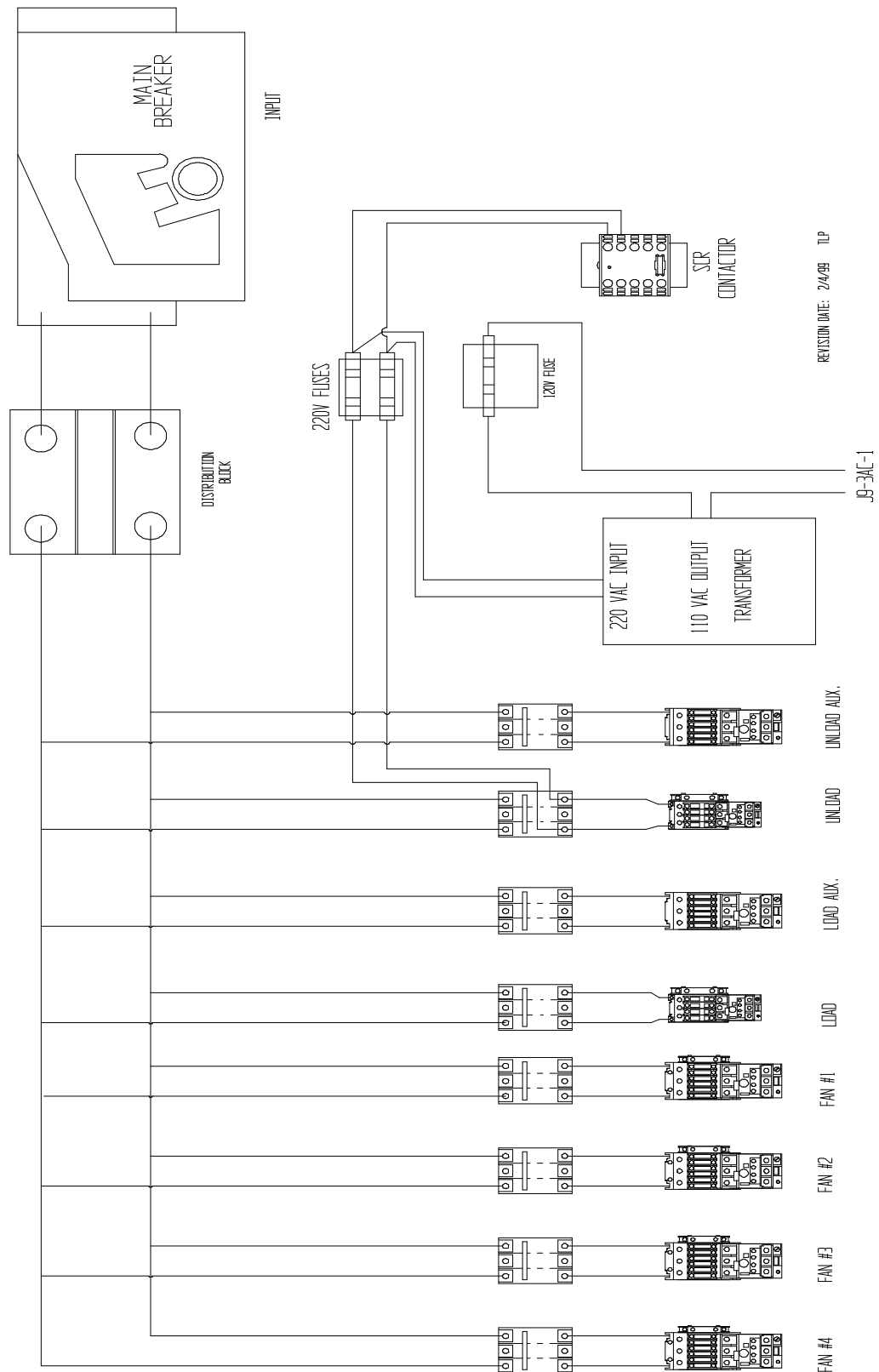
3400 Series

Control Box
Schematics
And
Wiring Diagrams

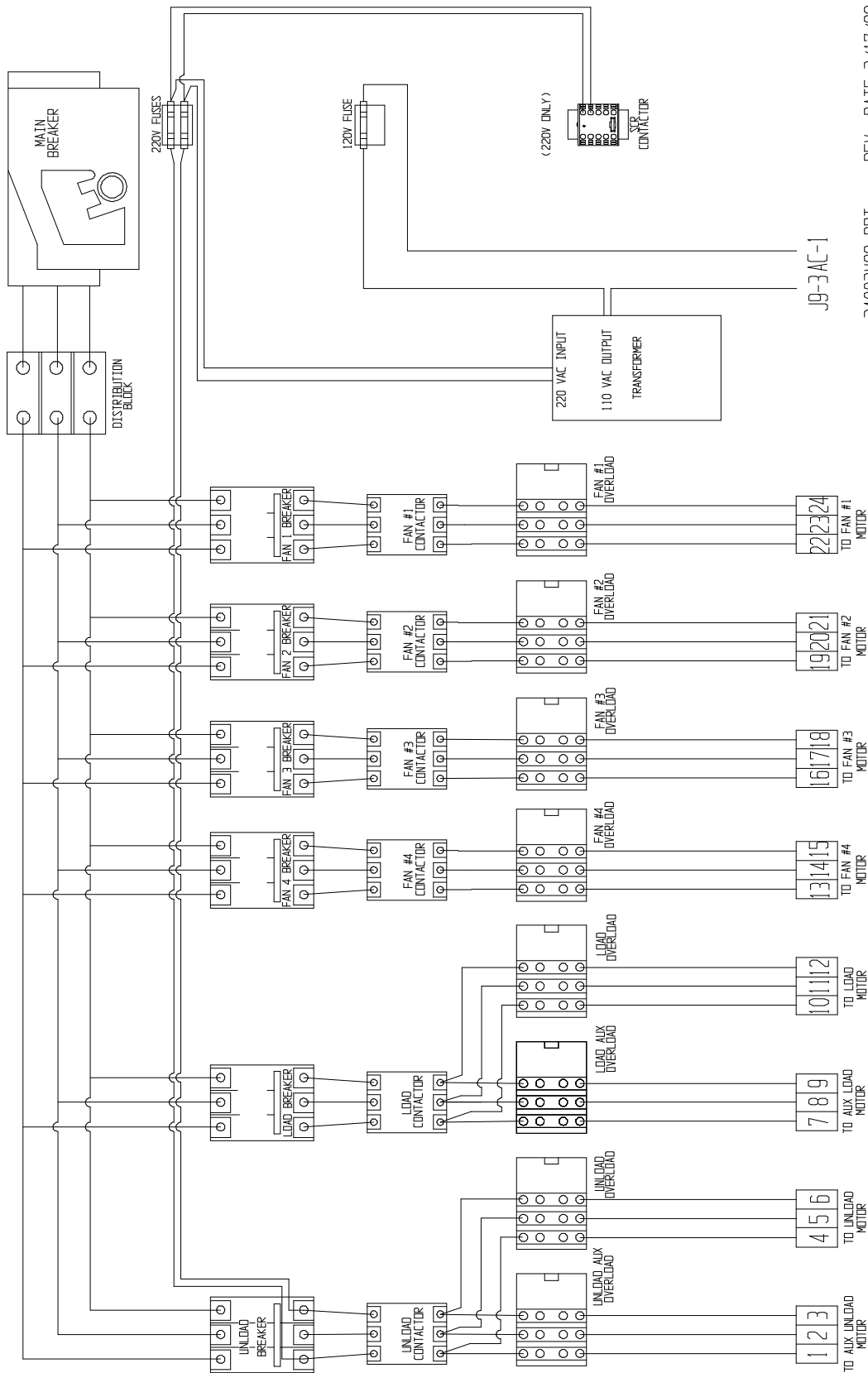
3400 Series 220 Volt Single Phase Power Wiring



3400 Series 220 Volt Single Phase Power Wiring (New Version)



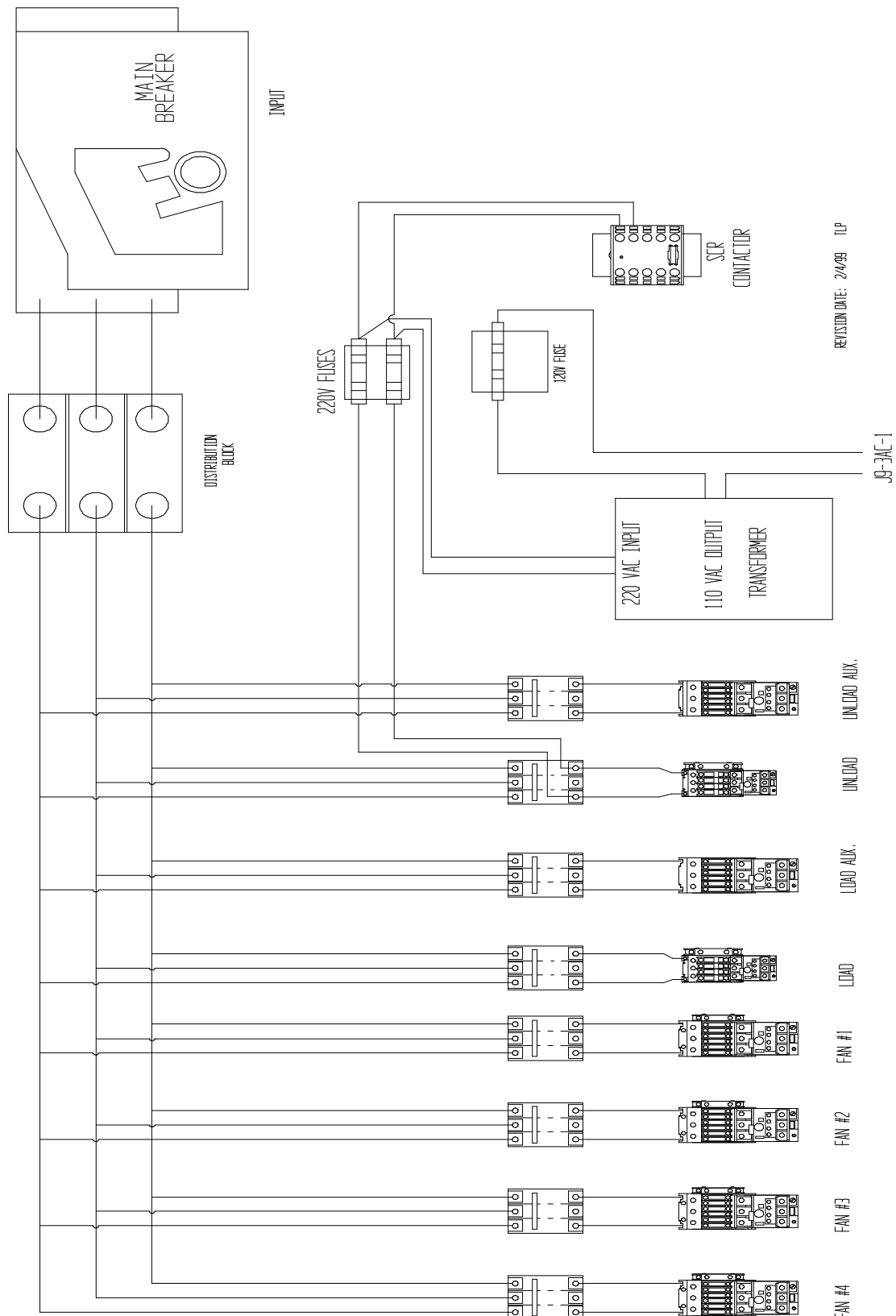
3400 Series 220 Volt Three Phase Power Wiring



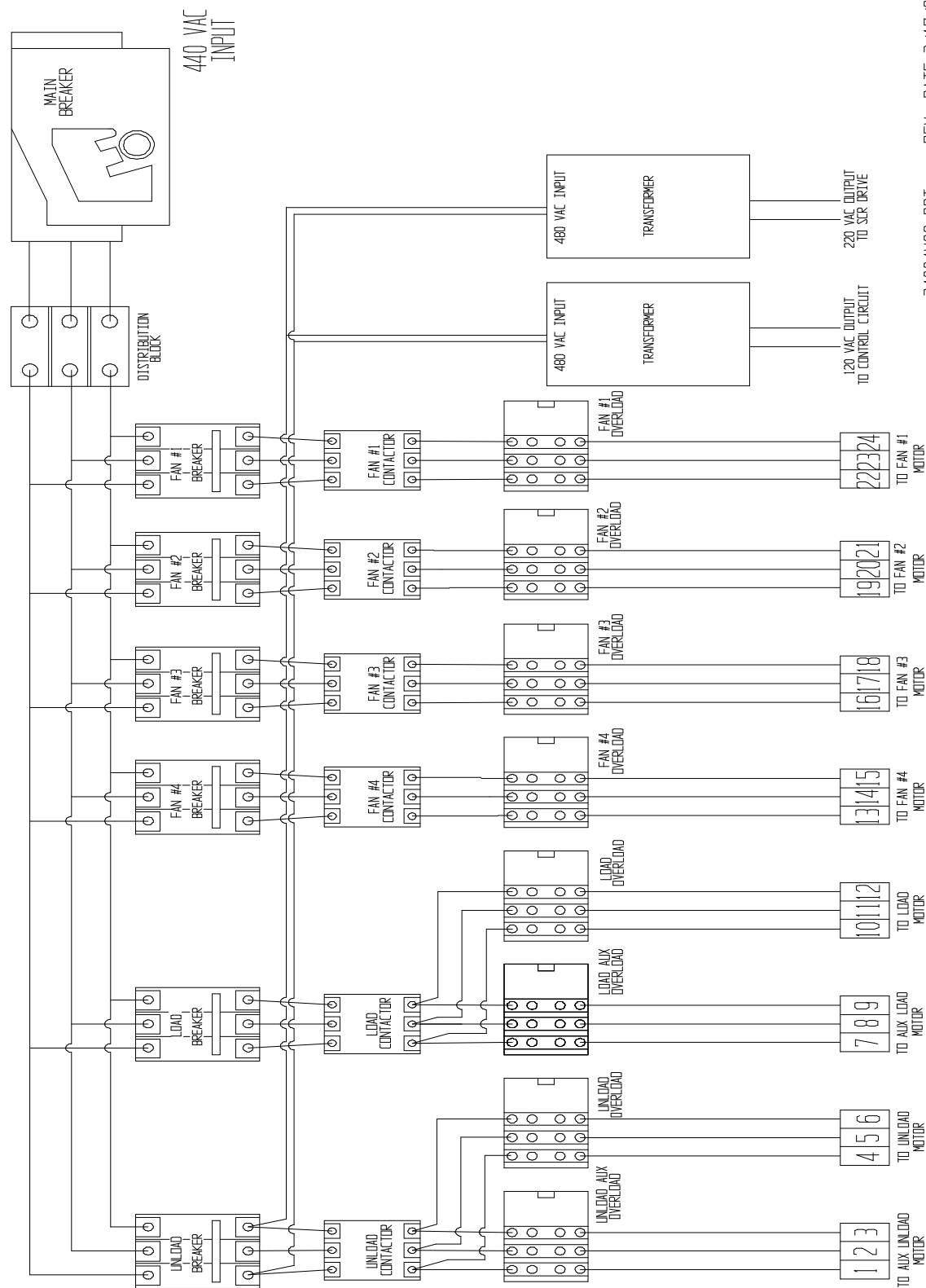
REV. DATE 3/17/98

34003W98.PRT

3400 Series 220 Volt Three Phase Power Wiring (New Version)

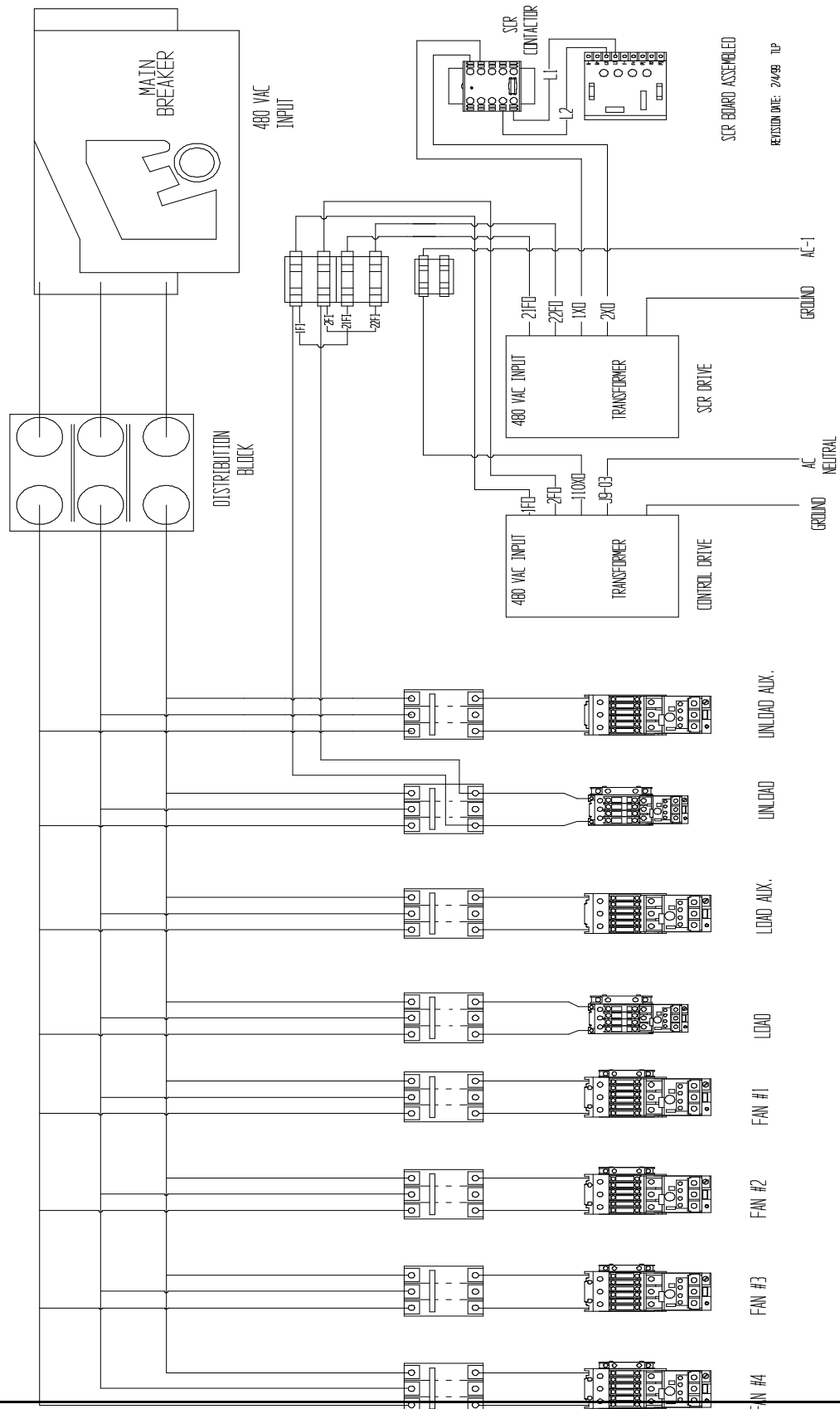


3400 Series 440 Volt Three Phase Power Wiring

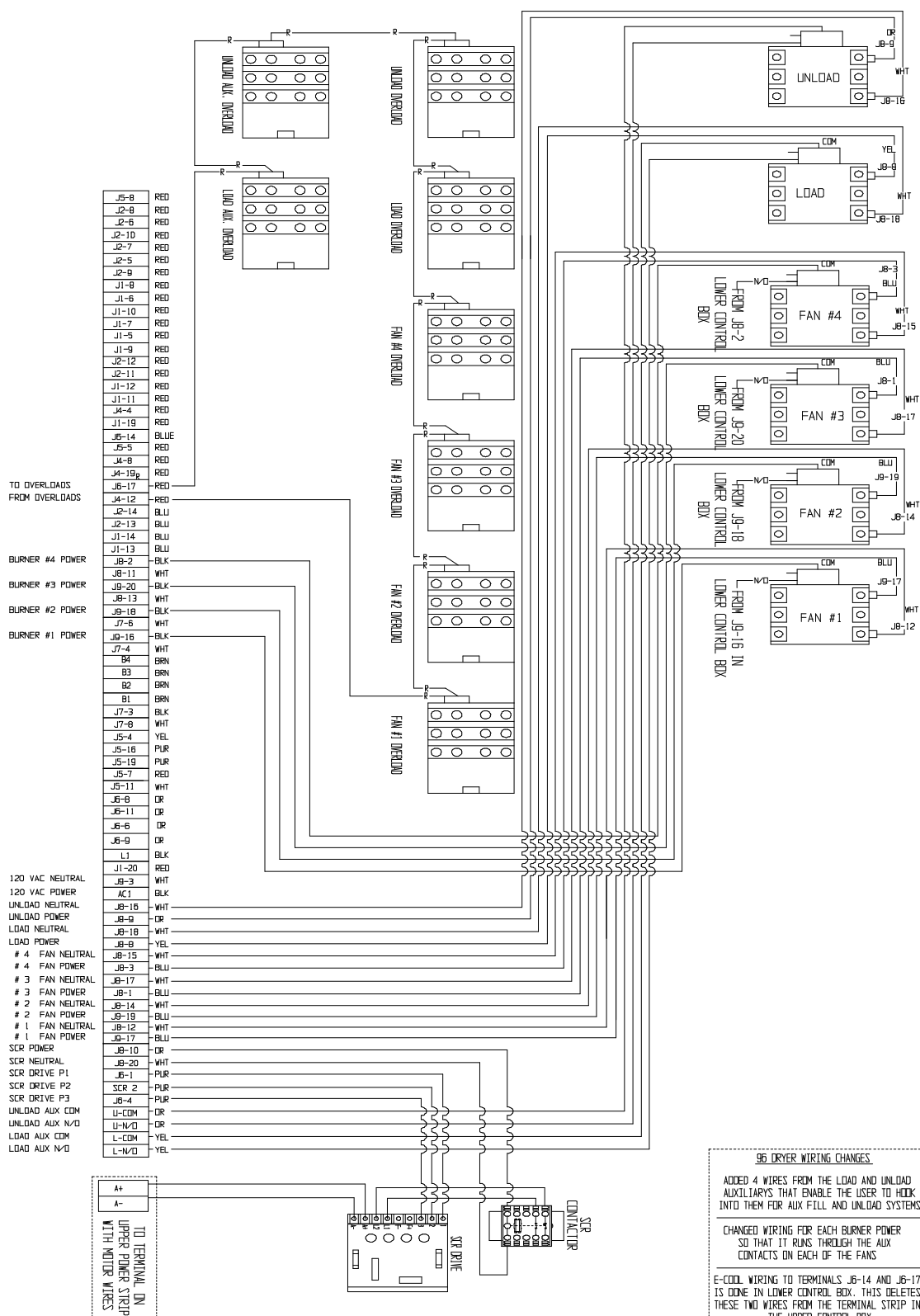


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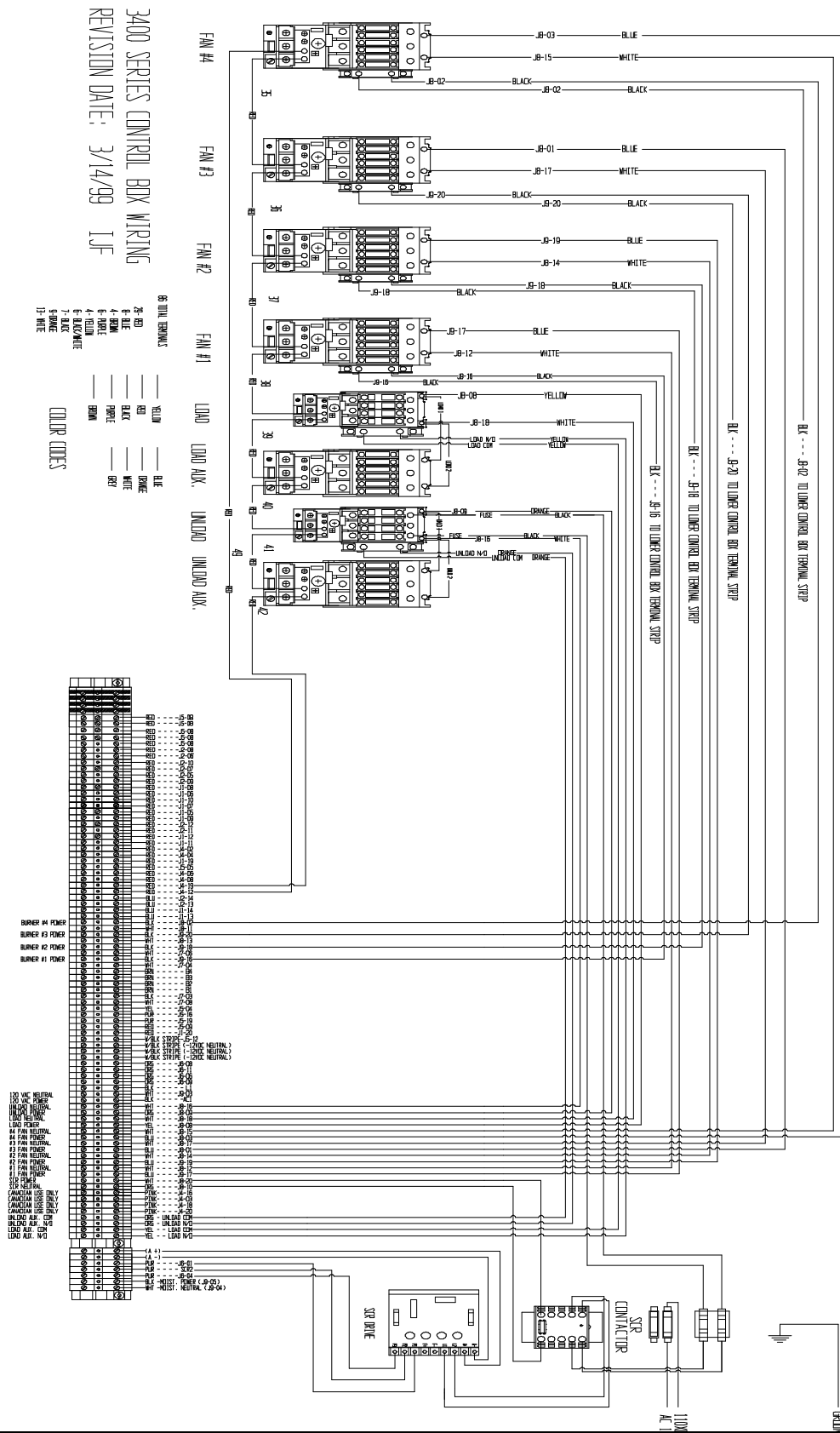
3400 Series 440 Volt Three Phase Power Wiring (New Version)



3400 Series Control Box Wiring



3400 Series Control Box Wiring (New Version)



3400 Fan to Control Box Wiring

DESCRIPTION	WIRING	TERMINAL	VOLTAGE	COLOR
TOP MODULE AIR PRESSURE SWITCH +12VDC	RED	J5-8		
MIDDLE MODULE AIR SWITCH +12VDC	RED	J5-8		
BOTTOM MODULE AIR SWITCH +12VDC	RED	J5-8		
FAN #4 HOUSING HIGH LIMIT	OR	J2-8	12 VOLTS DC	(RED)
FAN #4 VAPOR HIGH LIMIT	PUR	J2-6	12 VOLTS DC	(RED)
FAN #4 FLAME DETECTION	RED	J2-10	12 VOLTS DC	(RED)
FAN #3 HOUSING HIGH LIMIT	OR	J2-7	12 VOLTS DC	(RED)
FAN #3 VAPOR HIGH LIMIT	PUR	J2-5	12 VOLTS DC	(RED)
FAN #3 FLAME DETECTION	RED	J2-9	12 VOLTS DC	(RED)
FAN #2 HOUSING HIGH LIMIT	OR	J1-8	12 VOLTS DC	(RED)
FAN #2 VAPOR HIGH LIMIT	PUR	J1-6	12 VOLTS DC	(RED)
FAN #2 FLAME DETECTION	OR	J1-10	12 VOLTS DC	(RED)
FAN #1 HOUSING HIGH LIMIT	OR	J1-7	12 VOLTS DC	(RED)
FAN #1 VAPOR HIGH LIMIT	PUR	J1-5	12 VOLTS DC	(RED)
FAN #1 FLAME DETECTION	OR	J1-9	12 VOLTS DC	(RED)
FAN #4 PLENUM	YEL	J2-12	12 VOLTS DC	(RED)
FAN #3 PLENUM	YEL	J1-12	12 VOLTS DC	(RED)
FAN #2 PLENUM	BLU	J1-11	12 VOLTS DC	(RED)
FAN #1 PLENUM	RED	J4-2	12 VOLTS DC	(RED)
UPPER FIXED GRAIN LIMIT	RED	J4-4	12 VOLTS DC	(RED)
MIDDLE FIXED GRAIN LIMIT	RED	J1-19	12 VOLTS DC	(RED)
LOWER FIXED GRAIN LIMIT	BRN	J5-5	12 VOLTS DC	(RED)
*REAR DISCHARGE	RED	J4-6	12 VOLTS DC	(RED)
UPPER ADJ GRAIN LIMIT	RED	J4-8	12 VOLTS DC	(RED)
MIDDLE ADJ GRAIN LIMIT	RED	J4-19	12 VOLTS DC	(RED)
LOWER ADJ GRAIN LIMIT	RED	J4-12	12 VOLTS DC	(RED)
MOTOR OVERLOADS	BLU	J2-14	12 VOLTS DC	(BLUE)
FAN #4 PRESSURE SWITCH	BLU	J2-13	12 VOLTS DC	(BLUE)
FAN #3 PRESSURE SWITCH	BLU	J1-14	12 VOLTS DC	(BLUE)
FAN #2 PRESSURE SWITCH	BLU	J1-13	12 VOLTS DC	(BLUE)
FAN #1 PRESSURE SWITCH	BLK	J8-2	120 VAC	(BLACK)
FAN #4 BURNER NEUTRAL	WHT	J8-11	120 VAC NEUT	(WHITE)
FAN #3 BURNER POWER	BLK	J9-20	120 VAC	(BLACK)
FAN #3 BURNER NEUTRAL	WHT	J8-13	120 VAC NEUT	(WHITE)
FAN #2 BURNER POWER	BLK	J9-18	120 VAC	(BLACK)
FAN #2 BURNER NEUTRAL	WHT	J7-6	120 VAC NEUT	(WHITE)
FAN #1 BURNER POWER	BLK	J9-16	120 VAC	(BLACK)
FAN #1 BURNER NEUTRAL	WHT	J7-4	120 VAC NEUT	(WHITE)
FAN #4 BURNER LIGHT	BRN	B4	120 VAC	(BROWN)
FAN #3 BURNER LIGHT	BRN	B3	120 VAC	(BROWN)
FAN #2 BURNER LIGHT	BRN	B2	120 VAC	(BROWN)
FAN #1 BURNER LIGHT	BRN	B1	120 VAC	(BROWN)
MAXON POWER	PUR	J7-3	120 VAC	(BLACK)
MAXON NEUTRAL	WHT	J7-8	120 VAC NEUT	(WHITE)
OUT OF GRAIN SENSOR	BLK	J5-4	12 VOLTS DC	(YELLOW)
*LEFT METERING ROLL SENSOR	YEL	J5-16	METER ROLL PULSE (PUR)	
*RIGHT METERING ROLL SENSOR	BLU	J5-19	NO LONGER USED	
METERING ROLL 12 VOLTS	RED	J5-9	12 VOLTS DC	(RED)
--CUSTOMER SUPPLIED SAFETY		J1-20	12 VOLTS DC	(RED)
METERING ROLL NEUTRAL	BLK	J5-12	12 VOLTS DC NEG	(WHITE/BLACK)
		-12VDC		
LOWER TEMP SENSORS	WHT	J6-8	TEMP SENSOR	(ORANGE)
	BLK	J6-11	TEMP SENSOR	(ORANGE)
UPPER TEMP SENSORS	WHT	J6-6	TEMP SENSOR	(ORANGE)
	BLK	J6-9	TEMP SENSOR	(ORANGE)
WORK LIGHT	RED	L1	120 VAC	(BLACK)
		J9-3	120 VAC NEUT	(WHITE)
		AC 1	120 VAC	(BLACK)
120VAC FOR AUX UNLOAD CONTACTOR COIL		J8-16	120 VAC NEUT	(WHITE)
		J8-9	120 VAC	(ORANGE)
120VAC FOR AUX LOAD CONTACTOR COIL		J8-18	120 VAC NEUT	(WHITE)
		J8-8	120 VAC	(YELLOW)
		J8-15	120 VAC NEUT	(WHITE)
		J8-3	120 VAC	(BLUE)
		J8-17	120 VAC NEUT	(WHITE)
		J8-1	120 VAC	(BLUE)
		J8-14	120 VAC NEUT	(WHITE)
		J8-19	120 VAC	(BLUE)
		J8-12	120 VAC NEUT	(WHITE)
		J8-17	120 VAC	(BLUE)
		J8-20	120 VAC NEUT	(WHITE)
		J8-10	120 VAC	(BLACK)
		J6-1	CONTROL POT P1	(PUR)
		SCR 2	CONTROL POT P2	(PUR)
		J6-4	CONTROL POT P1	(PUR)
		U-COM	UNLOAD AUX COM(ORANGE)	
		U-N/O	UNLOAD AUX N/O(ORANGE)	
		L-COM	LOAD AUX COM	(YELLOW)
		L-N/O	LOAD AUX N/O	(YELLOW)

DRYER SAFETY CIRCUIT ALWAYS STARTS ON J5-8 AND ENDS ON J4-12 USING THE J5-12 TERMINAL FOR NEGATIVE, THERE SHOULD BE 12 VOLTS DC ON EACH TERMINAL FROM J5-8 TO J4-12.

WHEN CHECKING FOR 12 VOLTS DC ALWAYS PUT THE NEGATIVE PROBE OF VOLT METER TO TERMINAL J5-12

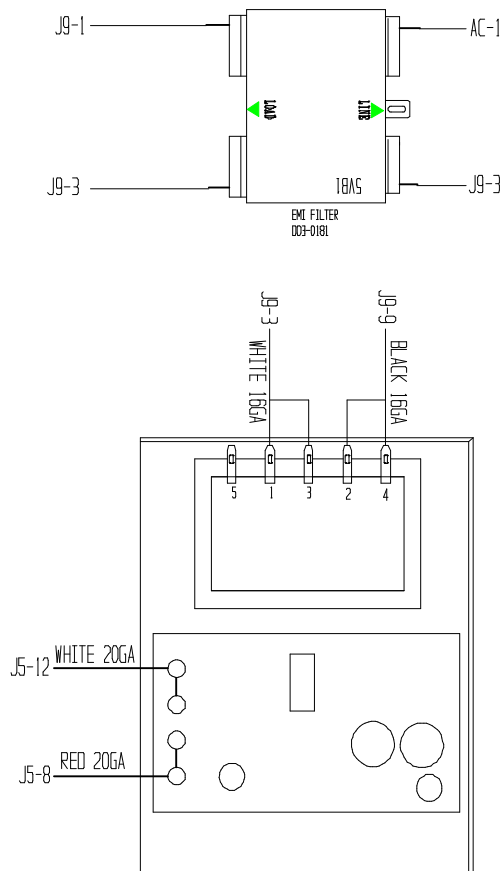
SAFETY CIRCUIT IN BOLD IS FOR FLAME DETECTION ONLY. EACH OF THE TERMINALS CONNECTED TO IT CAN LOOSE 12 VDC FOR 20 SECONDS BEFORE A SHUTDOWN OCCURS. THIS GIVES THE BURNER CIRCUIT TIME TO SENSE FLAME. ALL OTHER SAFETY CONNECTIONS MUST HAVE 12 VDC PRESENT AT ALL TIMES TO OPERATE PROPERLY.

HOOK OTHER SIDE OF (N/C) SAFETY TO J5-9

*LOCATED AT REAR OF DRYER
340DEV90.PRT REV. DATE 3/13/99

ALL SAFETIES MUST BE CLOSED FOR DRYER TO OPERATE

3400 Fan Lower 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

73 - 001-0531 ENTRELEC TERMINALS
 2 - 001-0533 END STOPS
 1 - 001-0532 BLANK PROTECTOR ENDS

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

L1					BLACK	- 120 VAC	- OUTSIDE LIGHT
B1					BROWN	- 120 VAC	- BURNER #1 LIGHT
B2					BROWN	- 120 VAC	- BURNER #2 LIGHT
B3					BROWN	- 120 VAC	- BURNER #3 LIGHT
B4					BROWN	- 120 VAC	- BURNER #4 LIGHT
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
J2-5					RED	- 12 VDC	- FAN #3 VAPOR HIGH LIMIT
J2-6					RED	- 12 VDC	- FAN #4 VAPOR HIGH LIMIT
J2-7					RED	- 12 VDC	- FAN #3 HOUSING HIGH LIMIT
J2-8					RED	- 12 VDC	- FAN #4 HOUSING HIGH LIMIT
J2-9					RED	- 12 VDC	- FAN #3 FLAME DETECTION
J2-10					RED	- 12 VDC	- FAN #4 FLAME DETECTION
J2-11					RED	- 12 VDC	- FAN #3 PLENUM HIGH LIMIT
J2-12					RED	- 12 VDC	- FAN #4 PLENUM HIGH LIMIT
J2-13					BLUE	- 12 VDC	- FAN #3 AIR SWITCH
J2-14					BLUE	- 12 VDC	- FAN #4 AIR SWITCH
J4-2					RED	- 12 VDC	- UPPER FIXED GRAIN HIGH LIMIT
J4-4					RED	- 12 VDC	- MIDDLE FIXED GRAIN HIGH LIMIT
J4-6					RED	- 12 VDC	- UPPER ADJUSTABLE GRAIN HIGH LIMIT
J4-8					RED	- 12 VDC	- MIDDLE ADJUSTABLE GRAIN HIGH LIMIT
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	
J6-6					ORANGE	- LOWER TEMP SENSOR	
J6-8					ORANGE	- UPPER TEMP SENSOR	
J6-9					ORANGE	- LOWER TEMP SENSOR	
J6-11					ORANGE	- UPPER TEMP SENSOR	
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
J8-1					BLUE	- 120 VAC	- FAN #3 POWER
J8-2					BLACK	- 120 VAC	- BURNER #4 POWER
J8-3					BLUE	- 120 VAC	- FAN #4 POWER
J8-8					YELLOW	- 120 VAC	- LOAD POWER
J8-9					ORANGE	- 120 VAC	- UNLOAD POWER
J8-10					ORANGE	- 120 VAC	- SCR POWER
J8-11					WHITE	- AC NEUTRAL	- BURNER #4 NEUTRAL
J8-12					WHITE	- AC NEUTRAL	- FAN #1 NEUTRAL
J8-13					WHITE	- AC NEUTRAL	- BURNER #3 NEUTRAL
J8-14					WHITE	- AC NEUTRAL	- FAN #2 NEUTRAL
J8-15					WHITE	- AC NEUTRAL	- FAN #4 NEUTRAL
J8-16					WHITE	- AC NEUTRAL	- UNLOAD NEUTRAL
J8-17					WHITE	- AC NEUTRAL	- FAN #3 NEUTRAL
J8-18					WHITE	- AC NEUTRAL	- LOAD NEUTRAL
J8-20					WHITE	- AC NEUTRAL	- SCR NEUTRAL
J9-04					WHITE	- MOISTURE CONTROL NEUTRAL	
J9-05					BLACK	- MOISTURE CONTROL POWER	
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
J9-20					BLACK	- 120 VAC	- BURNER #3 POWER

REVISION DATE: 3/5/99 TLP

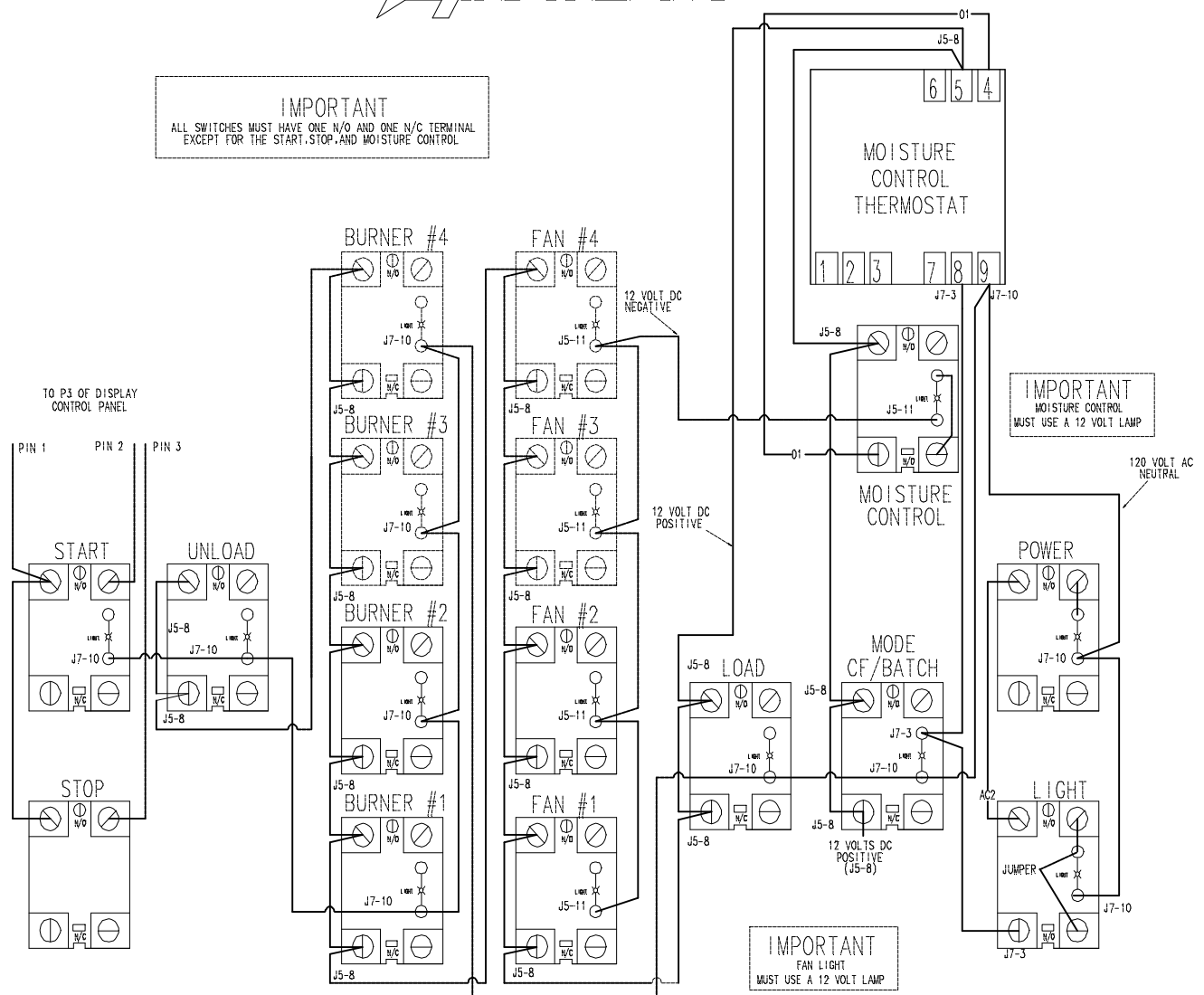
Three Fan Front Panel Internal Wiring

3400 SERIES FRONT PANEL INTERNAL WIRING

AIRSTREAM

IMPORTANT

ALL SWITCHES MUST HAVE ONE N/O AND ONE N/C TERMINAL
EXCEPT FOR THE START, STOP, AND MOISTURE CONTROL



TER. #	DESCRIPTION
J5-8	12 VOLT DC POWER (POSITIVE)
J5-11	12 VOLT DC POWER (NEGATIVE)
J7-10	120 VOLTS AC POWER (NEUTRAL)
AC-2	120 VOLTS AC POWER (HOT)
J7-3	120 VOLTS AC WHEN START IS PUSHED AND SAFETY CIRCUIT IS OKAY

NOTE *

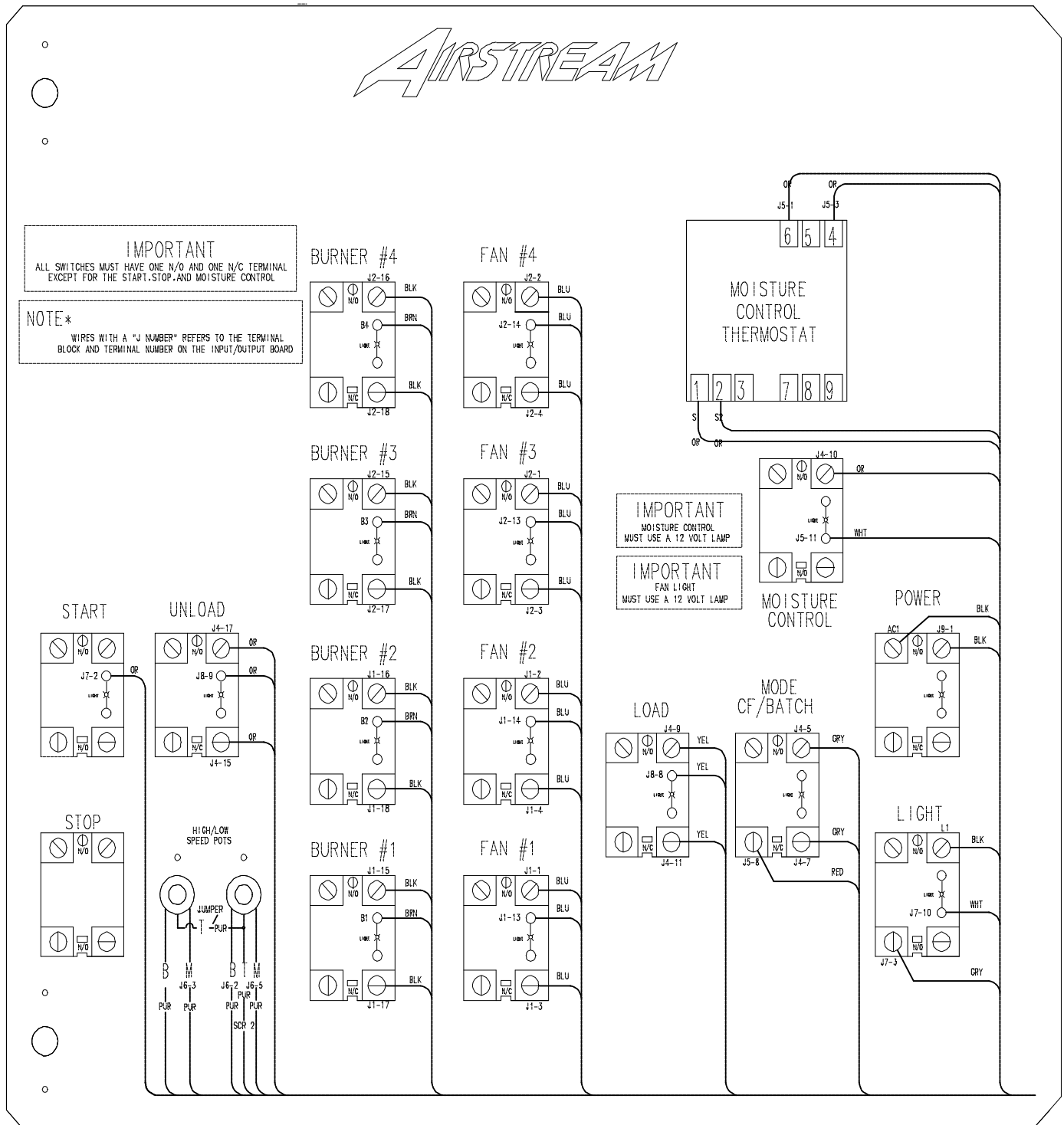
WIRES WITH A "J" NUMBER REFERS TO THE TERMINAL
BLOCK AND TERMINAL NUMBER ON THE INPUT/OUTPUT BOARD

COLOR CODE
OR-ORANGE
GRY-GRAY
RED-RED
BLU-BLUE
PUR-PURPLE
WHT-WHITE
BLK-BLACK
BRN-BROWN
YEL-YELLOW

MARCH 6 1996

JUNE 93

Three Fan Front Panel External Wiring

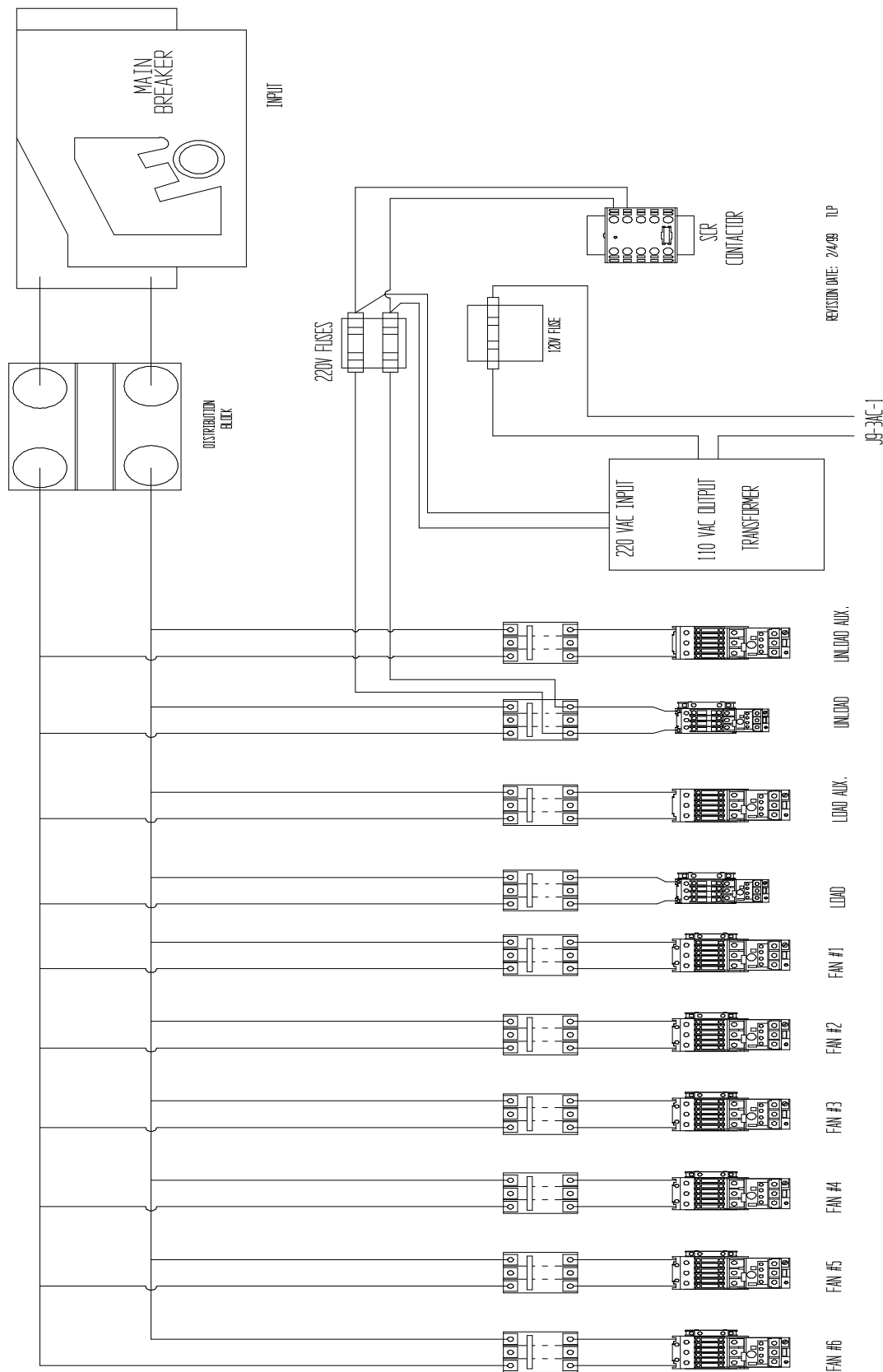


Series 3600

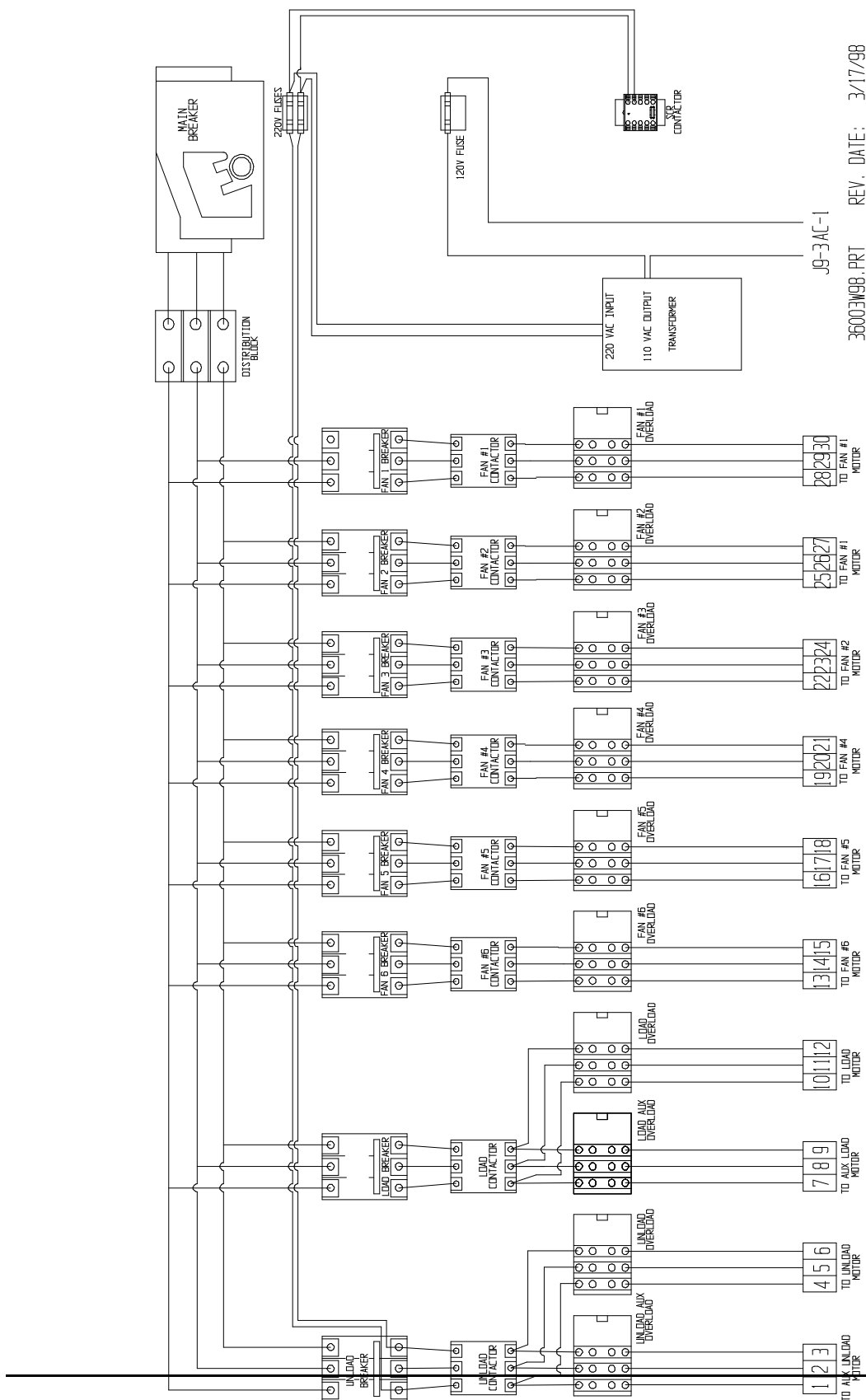
Control Box
Schematics
And
Wiring Diagrams

36001W98.PRT REV. DATE: 3/17/98

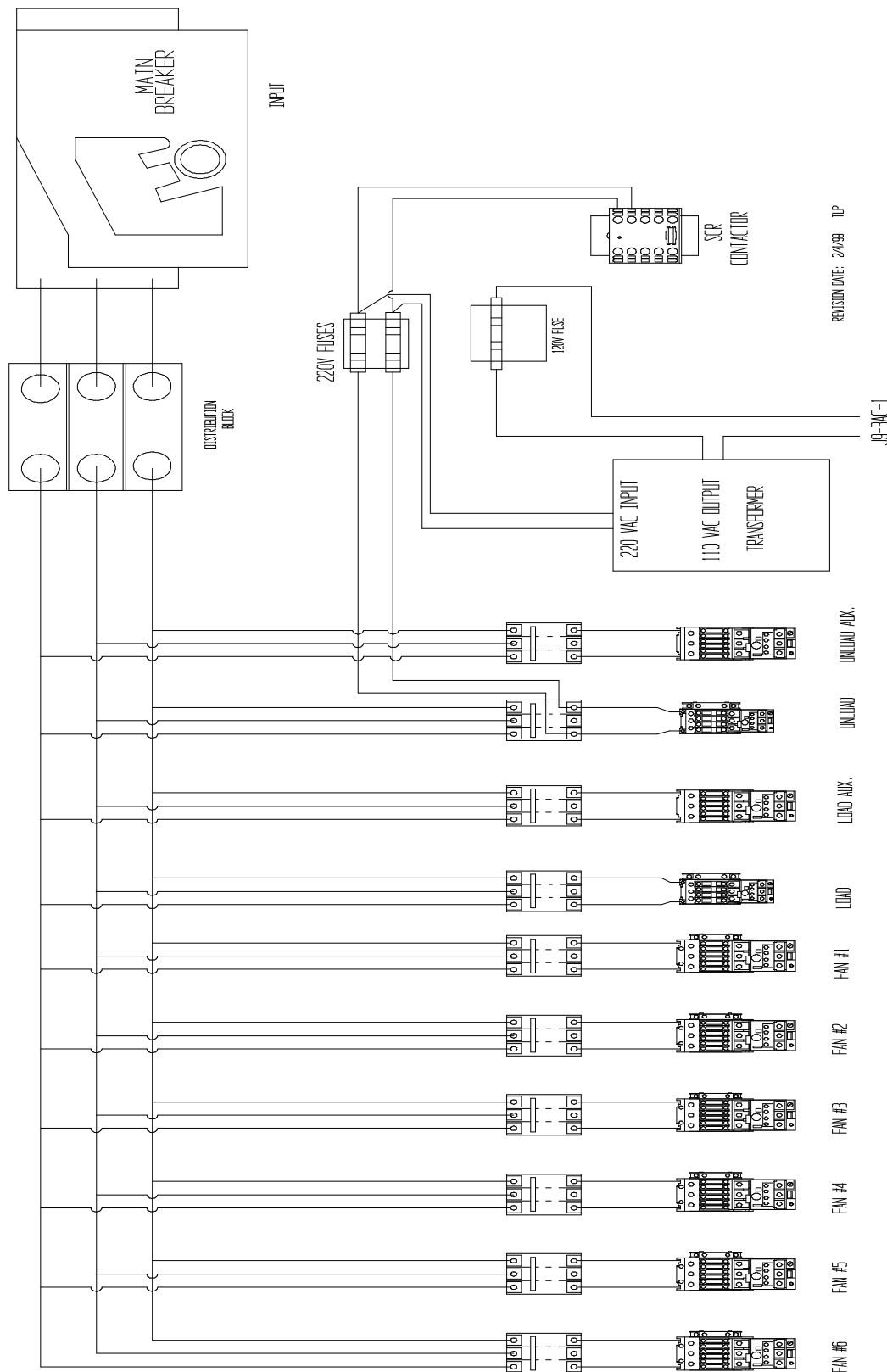
3600 Series 220 Volt Single Phase Power Wiring (New Version)



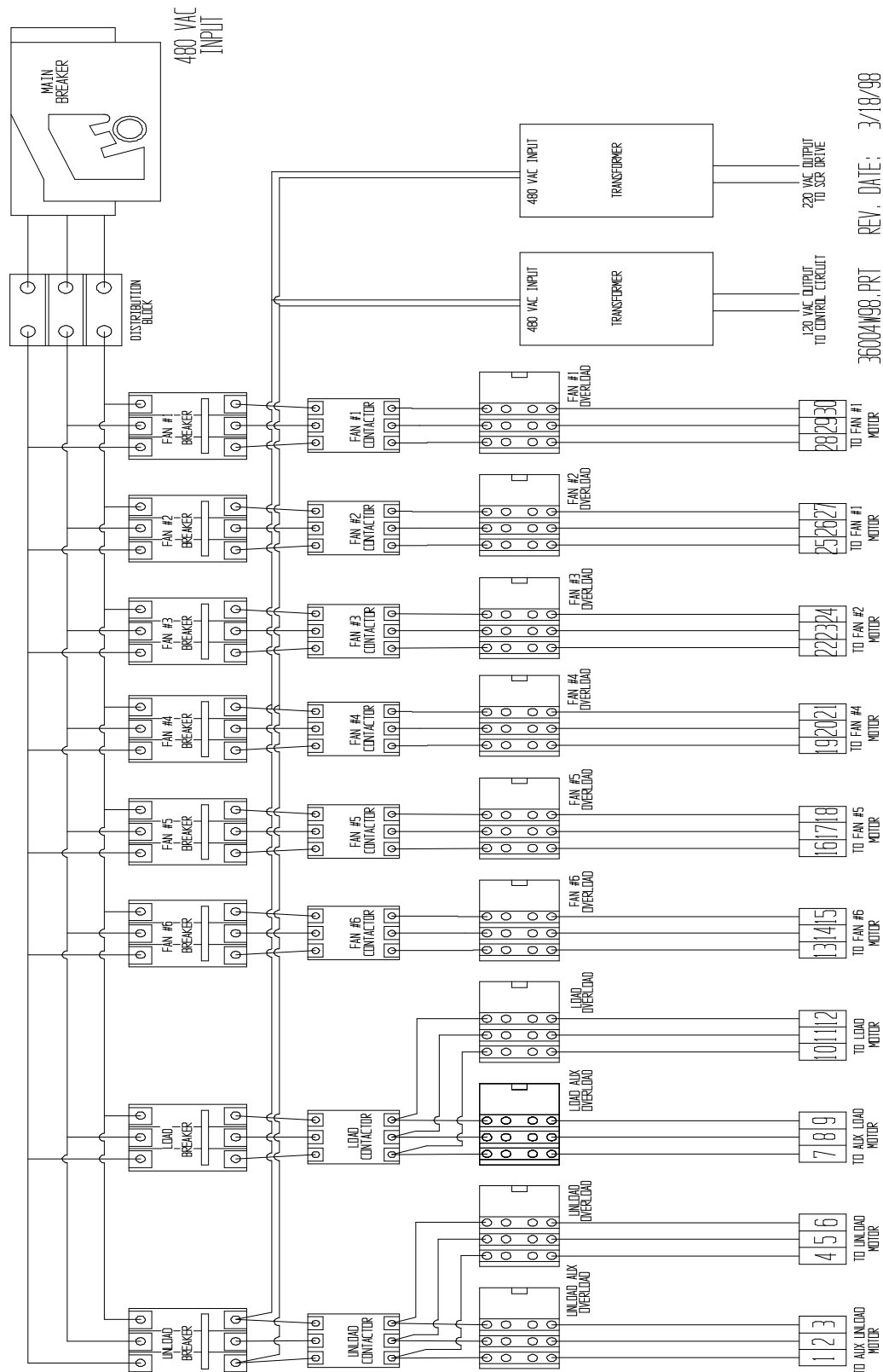
3600 Series 220 Volt Three Phase Power Wiring



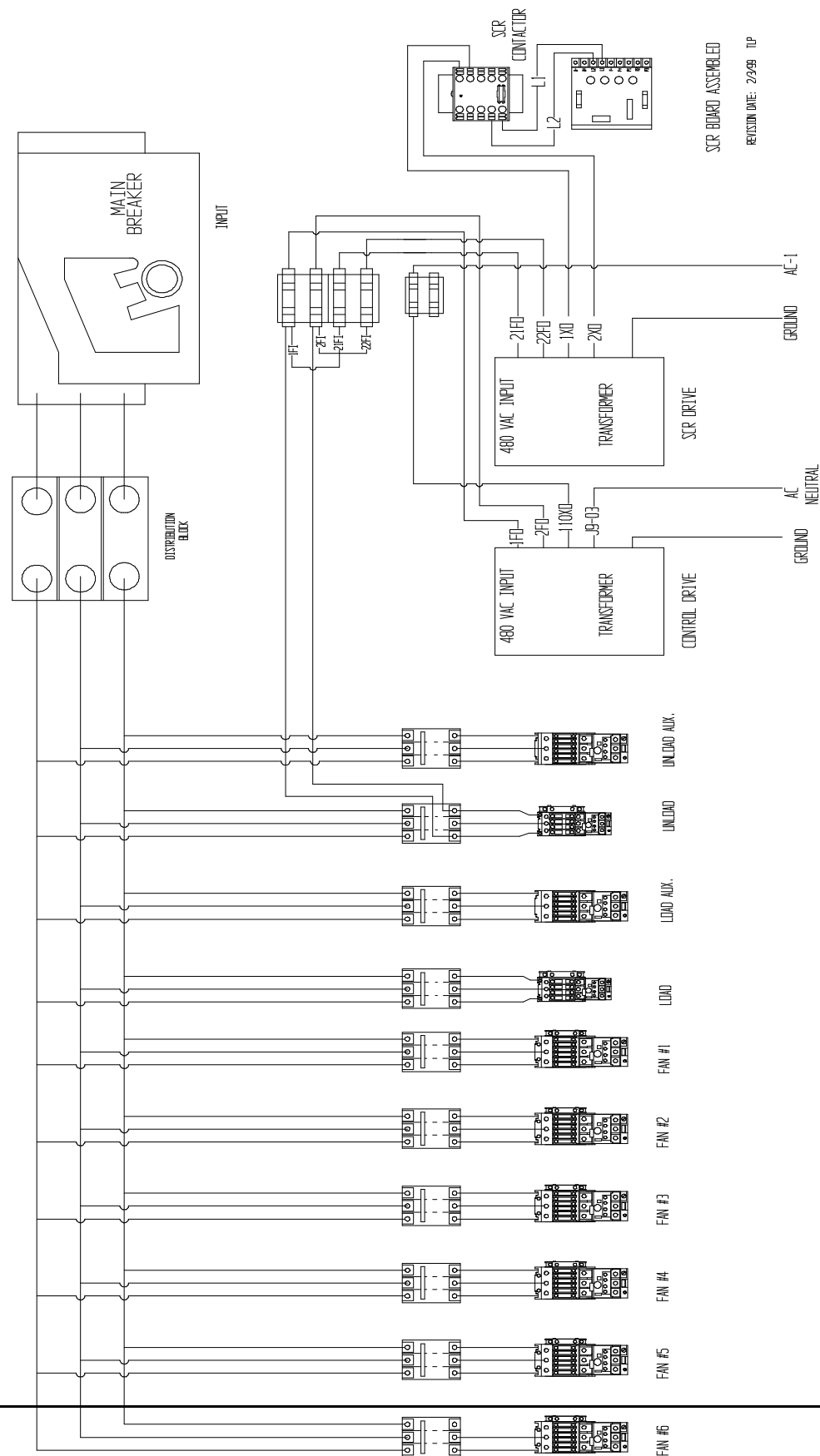
3600 Series 220 Volt Three Phase Power Wiring (New Version)



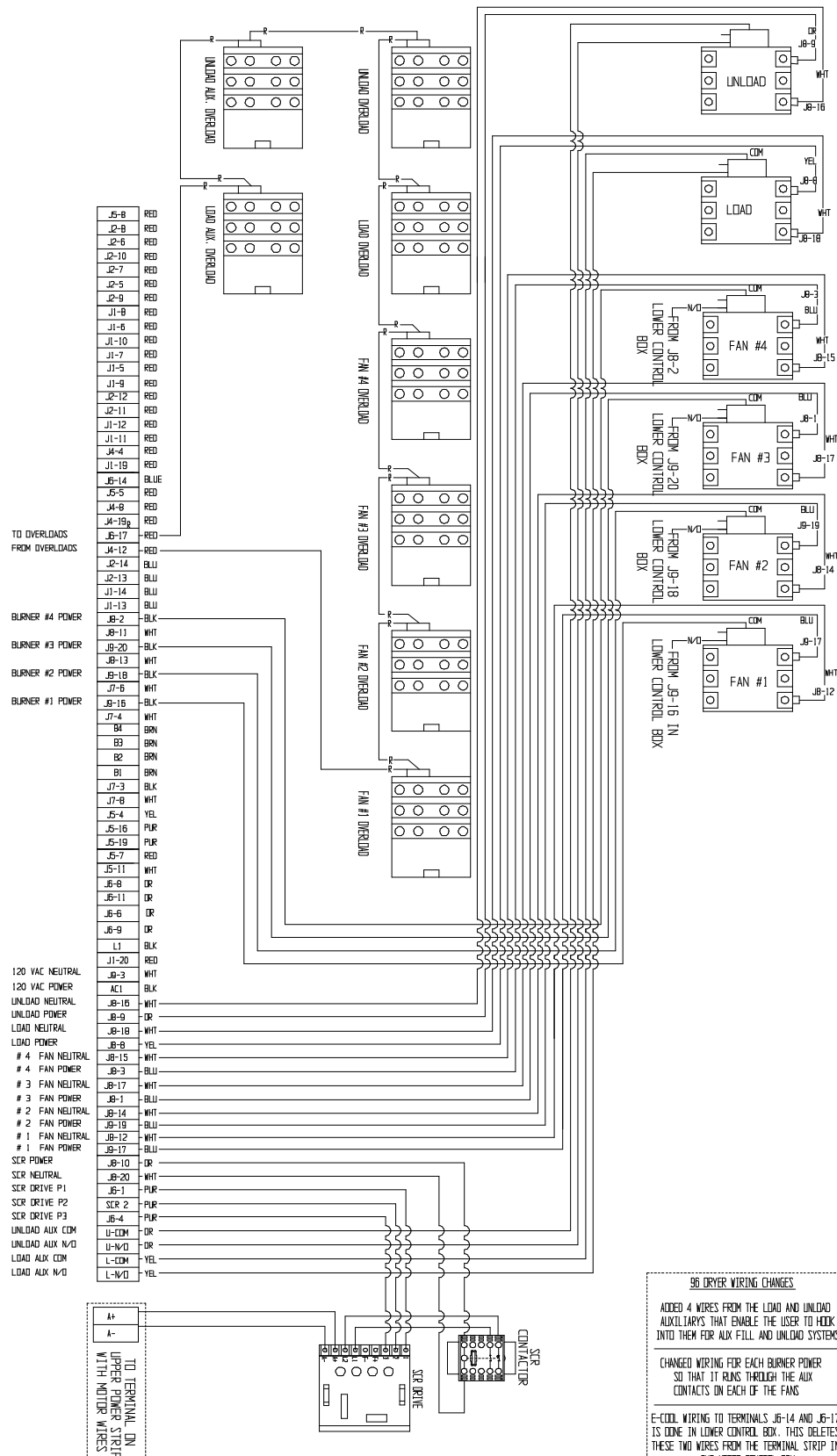
3600 Series 440 Volt Three Phase Power Wiring



3600 Series 440 Volt Three Phase Power Wiring (New Version)

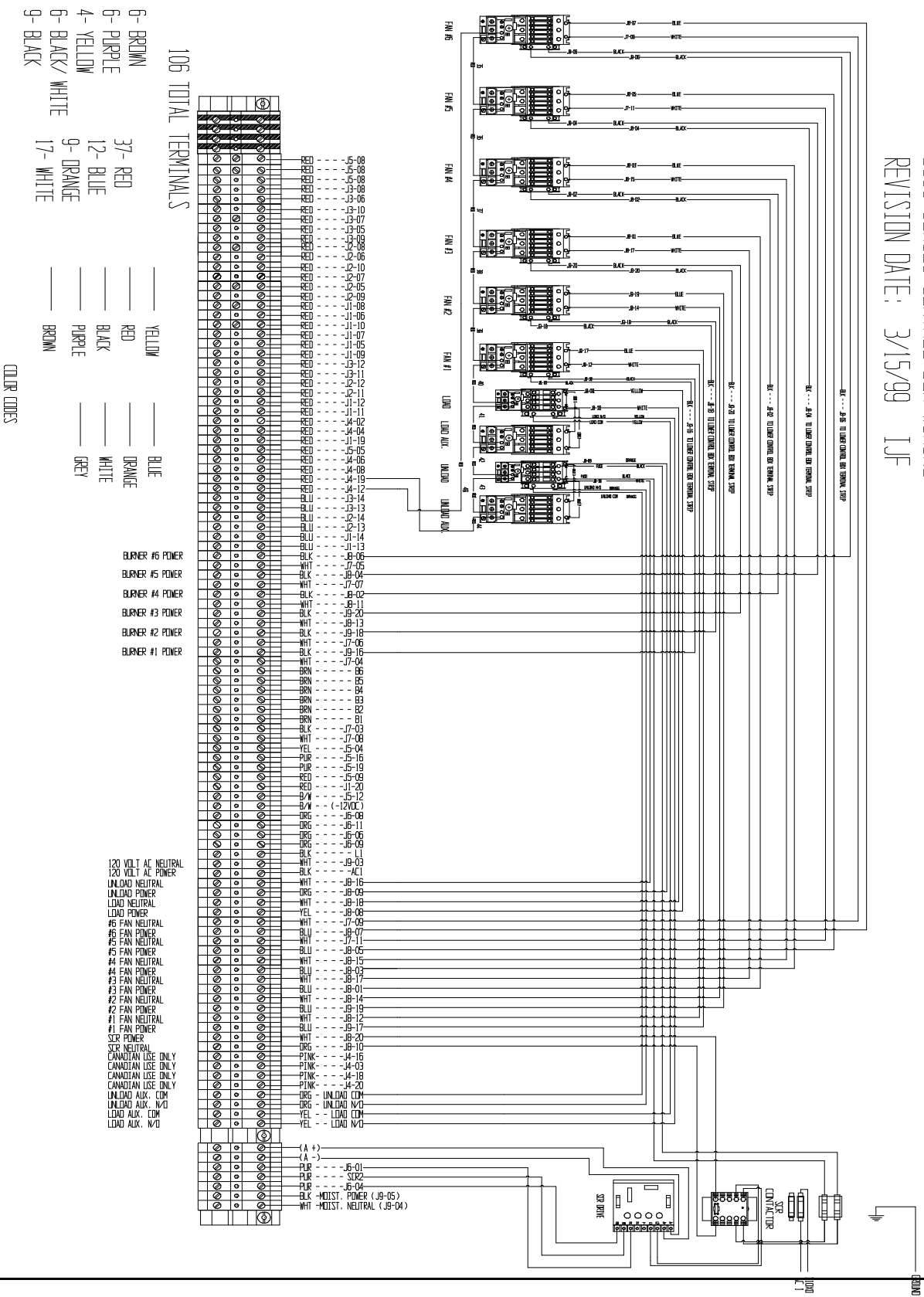


3600 Series Control Box Wiring

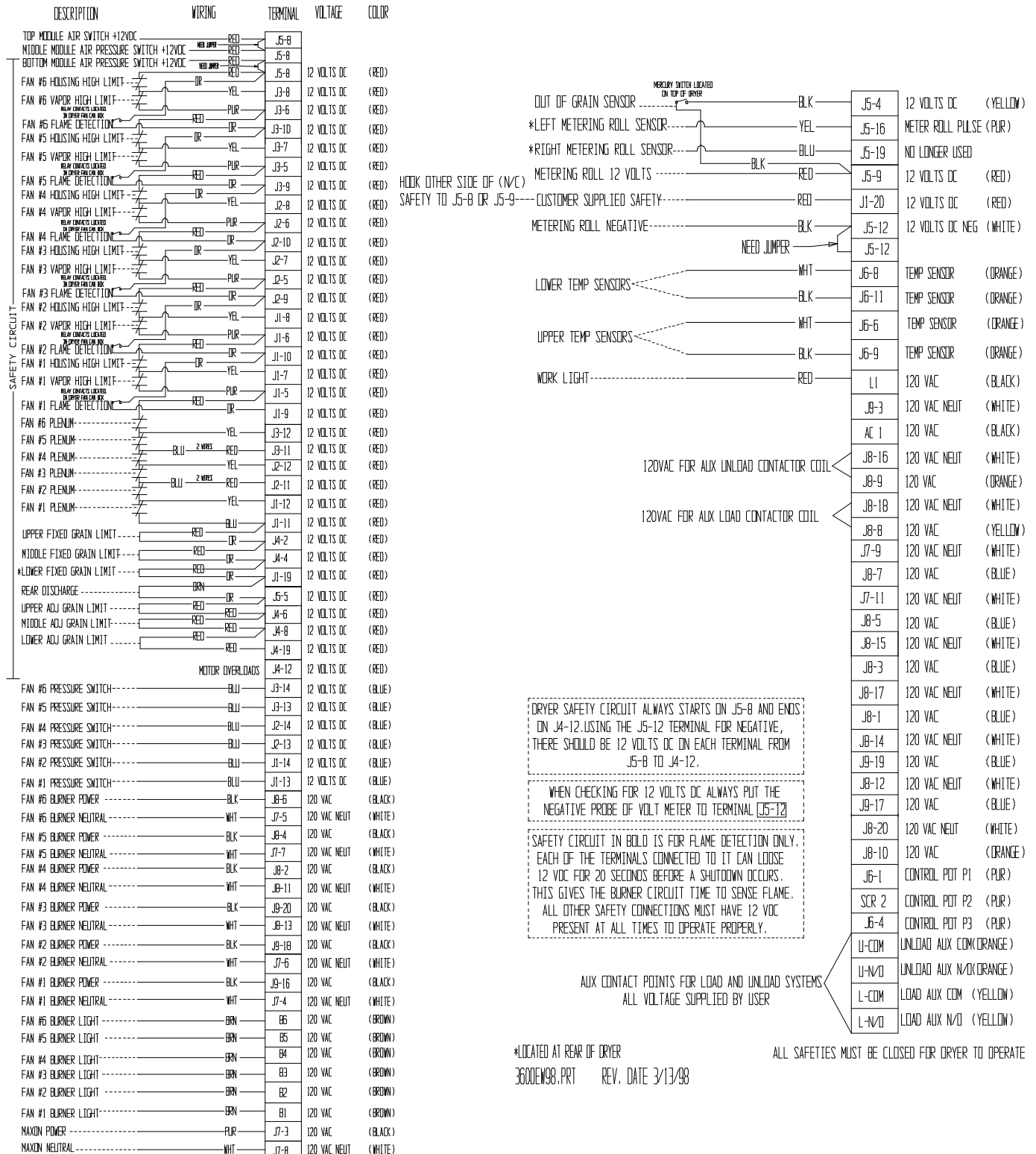


3600 Series Control Box Wiring (New Version)

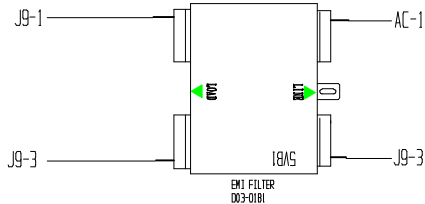
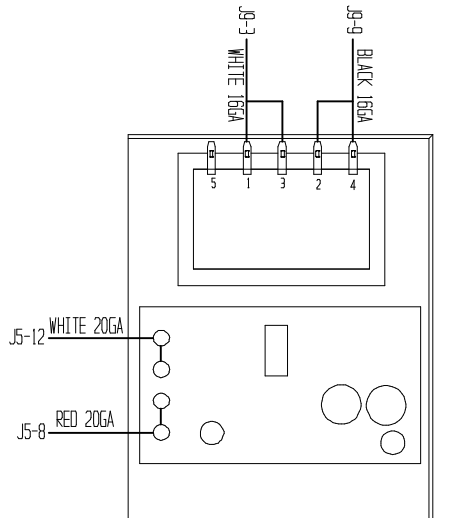
3600 SERIES CONTROL BOX WIRING
REVISION DATE: 3/15/99 IJF



3600 Fan Wiring to Control Box



3600 Fan Lower 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

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

93 - D01-0531 ENTRELEC TERMINALS
 2 - D01-0533 END STOPS
 1 - D01-0532 BLANK PROTECTOR ENDS

REVISION DATE: 3/5/99 TLP

L1		BLACK	- 120 VAC	- OUTSIDE LIGHT
B1		BROWN	- 120 VAC	- BURNER #1 LIGHT
B2		BROWN	- 120 VAC	- BURNER #2 LIGHT
B3		BROWN	- 120 VAC	- BURNER #3 LIGHT
B4		BROWN	- 120 VAC	- BURNER #4 LIGHT
B5		BROWN	- 120 VAC	- BURNER #5 LIGHT
B6		BROWN	- 120 VAC	- BURNER #6 LIGHT
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
J2-5		RED	- 12 VDC	- FAN #3 VAPOR HIGH LIMIT
J2-6		RED	- 12 VDC	- FAN #4 VAPOR HIGH LIMIT
J2-7		RED	- 12 VDC	- FAN #3 HOUSING HIGH LIMIT
J2-8		RED	- 12 VDC	- FAN #4 HOUSING HIGH LIMIT
J2-9		RED	- 12 VDC	- FAN #3 FLAME DETECTION
J2-10		RED	- 12 VDC	- FAN #4 FLAME DETECTION
J2-11		RED	- 12 VDC	- FAN #3 PLENUM HIGH LIMIT
J2-12		RED	- 12 VDC	- FAN #4 PLENUM HIGH LIMIT
J2-13		BLUE	- 12 VDC	- FAN #3 AIR SWITCH
J2-14		BLUE	- 12 VDC	- FAN #4 AIR SWITCH
J3-5		RED	- 12 VDC	- FAN #5 VAPOR HIGH LIMIT
J3-6		RED	- 12 VDC	- FAN #6 VAPOR HIGH LIMIT
J3-7		RED	- 12 VDC	- FAN #5 HOUSING HIGH LIMIT
J3-8		RED	- 12 VDC	- FAN #6 HOUSING HIGH LIMIT
J3-9		RED	- 12 VDC	- FAN #5 FLAME DETECTION
J3-10		RED	- 12 VDC	- FAN #6 FLAME DETECTION
J3-11		RED	- 12 VDC	- FAN #5 PLENUM HIGH LIMIT
J3-12		RED	- 12 VDC	- FAN #6 PLENUM HIGH LIMIT
J3-13		BLUE	- 12 VDC	- FAN #5 AIR SWITCH
J3-14		BLUE	- 12 VDC	- FAN #6 AIR SWITCH
J4-2		RED	- 12 VDC	- UPPER FIXED GRAIN HIGH LIMIT
J4-4		RED	- 12 VDC	- MIDDLE FIXED GRAIN HIGH LIMIT
J4-6		RED	- 12 VDC	- UPPER ADJUSTABLE GRAIN HIGH LIMIT
J4-8		RED	- 12 VDC	- MIDDLE ADJUSTABLE GRAIN HIGH LIMIT
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	
J6-6		ORANGE	- LOWER TEMP SENSOR	
J6-8		ORANGE	- UPPER TEMP SENSOR	
J6-9		ORANGE	- LOWER TEMP SENSOR	
J6-11		ORANGE	- UPPER TEMP SENSOR	
J7-3		BLACK	- 120 VAC	- MAXON POWER
J7-4		WHITE	- AC NEUTRAL	- BURNER #1 NEUTRAL
J7-5		WHITE	- AC NEUTRAL	- BURNER #6 NEUTRAL
J7-6		WHITE	- AC NEUTRAL	- BURNER #2 NEUTRAL
J7-7		WHITE	- AC NEUTRAL	- BURNER #5 NEUTRAL
J7-8		WHITE	- AC NEUTRAL	- MAXON NEUTRAL
J7-9		WHITE	- AC NEUTRAL	- FAN #6 NEUTRAL
J7-11		WHITE	- AC NEUTRAL	- FAN #5 NEUTRAL
J8-1		BLUE	- 120 VAC	- FAN #3 POWER
J8-2		BLACK	- 120 VAC	- BURNER #4 POWER
J8-3		BLUE	- 120 VAC	- FAN #4 POWER
J8-4		BLACK	- 120 VAC	- BURNER #5 POWER
J8-5		BLUE	- 120 VAC	- FAN #5 POWER
J8-6		BLACK	- 120 VAC	- BURNER #6 POWER
J8-7		BLUE	- 120 VAC	- FAN #6 POWER
J8-8		YELLOW	- 120 VAC	- LOAD POWER
J8-9		ORANGE	- 120 VAC	- UNLOAD POWER
J8-10		ORANGE	- 120 VAC	- SCR POWER
J8-11		WHITE	- AC NEUTRAL	- BURNER #4 NEUTRAL
J8-12		WHITE	- AC NEUTRAL	- FAN #1 NEUTRAL
J8-13		WHITE	- AC NEUTRAL	- BURNER #3 NEUTRAL
J8-14		WHITE	- AC NEUTRAL	- FAN #2 NEUTRAL
J8-15		WHITE	- AC NEUTRAL	- FAN #4 NEUTRAL
J8-16		WHITE	- AC NEUTRAL	- UNLOAD NEUTRAL
J8-17		WHITE	- AC NEUTRAL	- FAN #3 NEUTRAL
J8-18		WHITE	- AC NEUTRAL	- LOAD NEUTRAL
J8-20		WHITE	- AC NEUTRAL	- SCR NEUTRAL
J9-04		WHITE	- MOISTURE CONTROL NEUTRAL	
J9-05		BLACK	- MOISTURE CONTROL POWER	
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
J9-20		BLACK	- 120 VAC	- BURNER #3 POWER

Six Fan Front Panel Internal Wiring

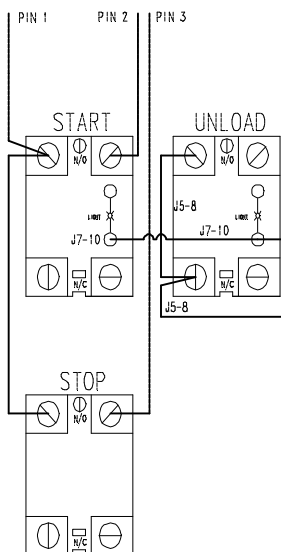
3600 SERIES FRONT PANEL INTERNAL WIRING

AIRSTREAM

IMPORTANT
ALL SWITCHES MUST HAVE ONE N/O AND ONE N/C TERMINAL EXCEPT FOR THE START, STOP, AND MOISTURE CONTROL.

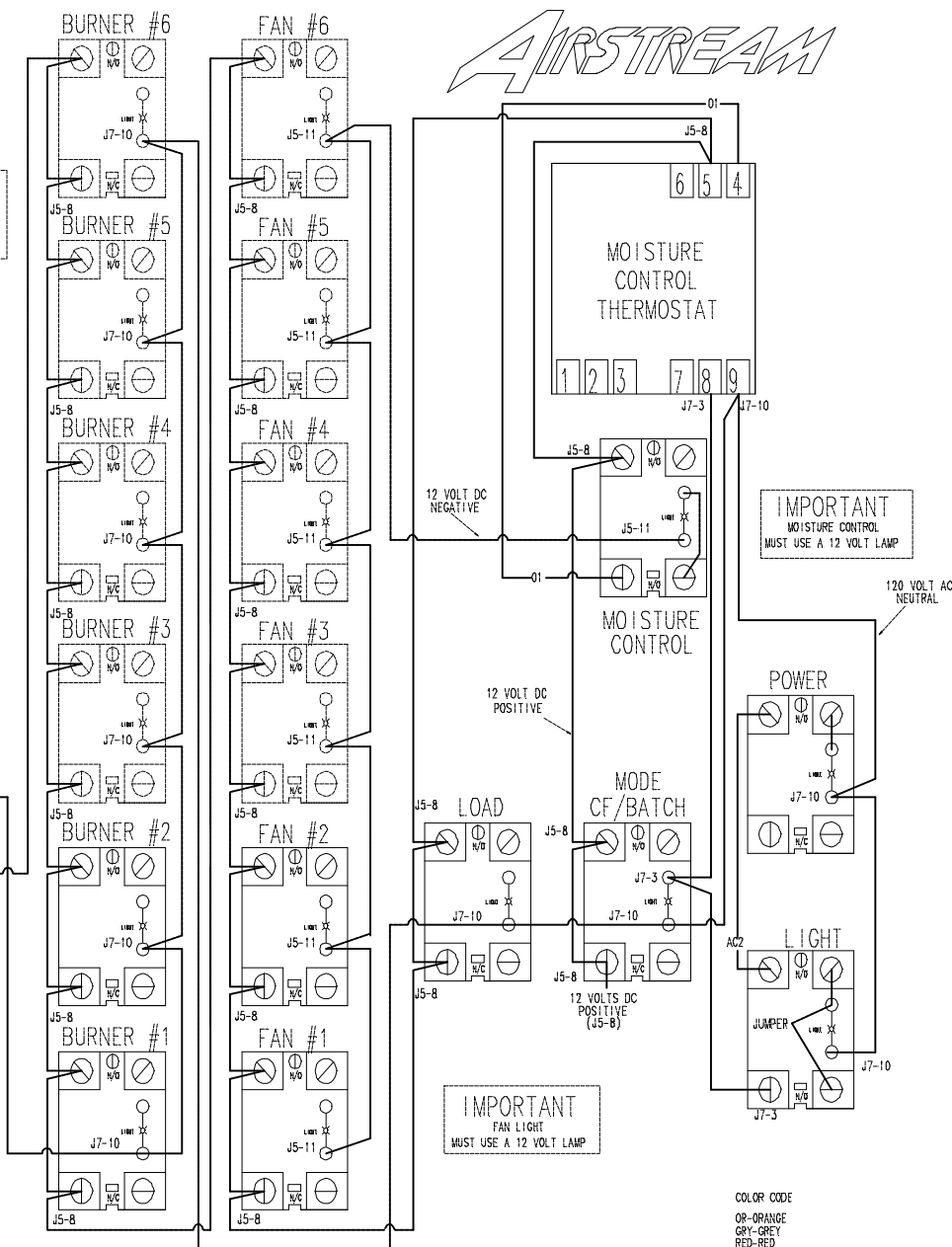
TER. #	DESCRIPTION
J5-8	12 VOLT DC POWER (POSITIVE)
J5-11	12 VOLT DC POWER (NEGATIVE)
J7-10	120 VOLTS AC POWER (NEUTRAL)
AC-2	120 VOLTS AC POWER (HOT)
J7-3	120 VOLTS AC WHEN START IS PUSHED AND SAFETY CIRCUIT IS OKAY

TO P3 OF DISPLAY CONTROL PANEL



NOTE*

WIRES WITH A "J NUMBER" REFERS TO THE TERMINAL BLOCK AND TERMINAL NUMBER ON THE INPUT/OUTPUT BOARD



IMPORTANT
FAN LIGHT
MUST USE A 12 VOLT LAMP

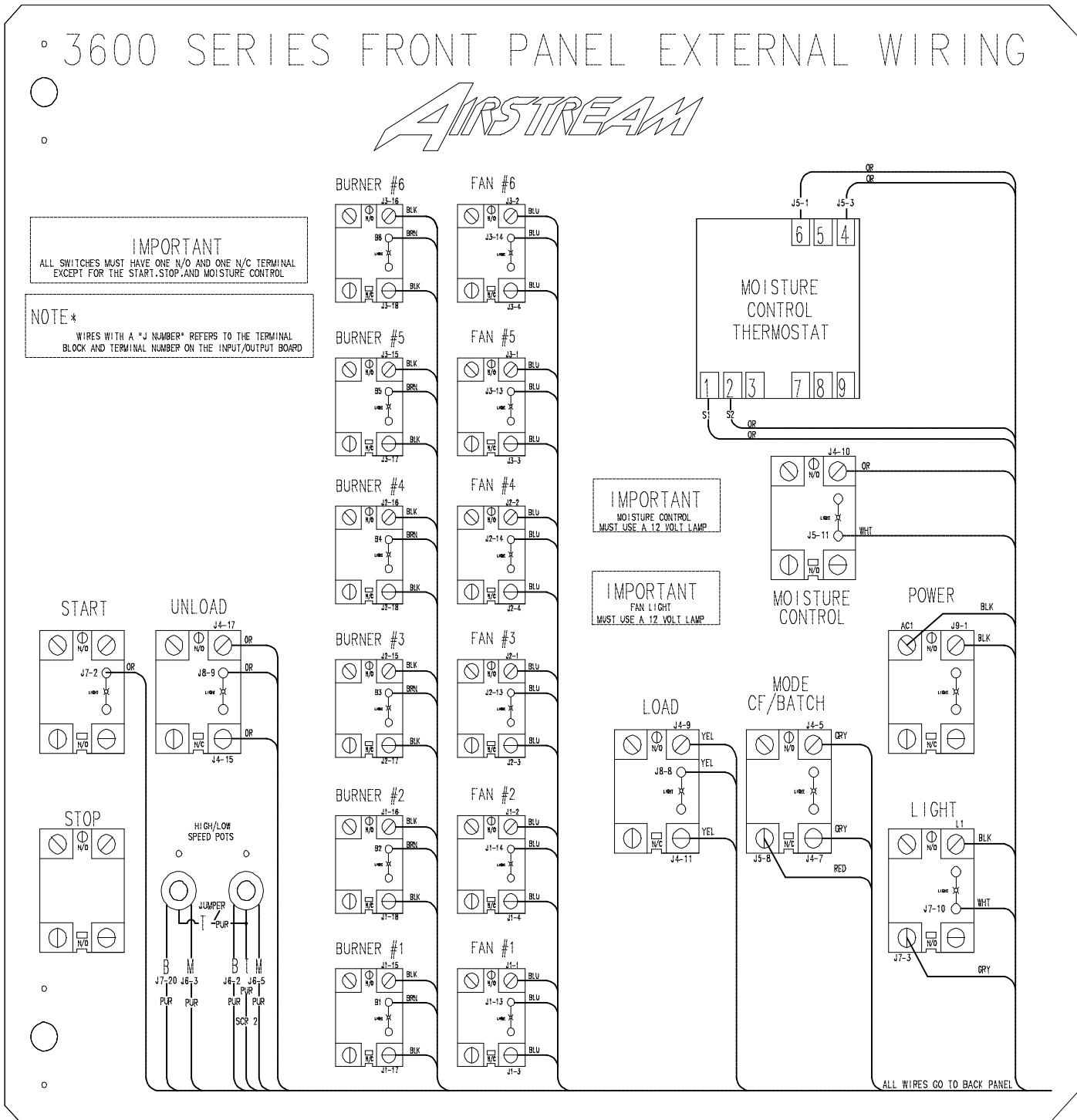
IMPORTANT
MOISTURE CONTROL
MUST USE A 12 VOLT LAMP

COLOR CODE
OR-ORANGE
GRY-GRAY
RED-RED
BLU-BLUE
PUR-PURPLE
WHI-WHITE
BLK-BLACK
BRN-BROWN
YEL-YELLOW

MARCH 6 1996

JUNE 93

Six Fan Front Panel External Wiring





a d i v i s i o n o f

T H E G S I G R O U P



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