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MAX OX LLC MX-900B BOILER CONTROL

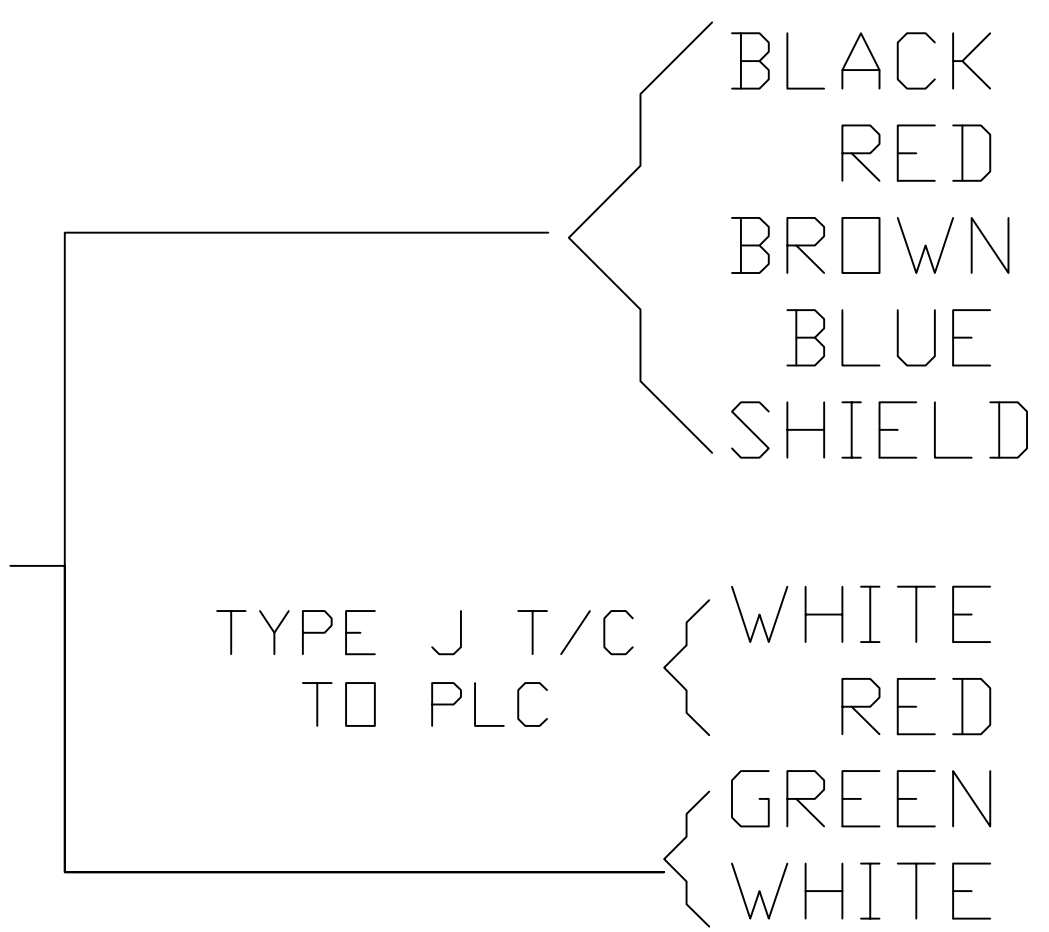
DRAWN BY:
GLS

DATE:
28 FEBRUARY 2009

DWG. NO.
MO-01

TS1 ANALOG I/O

18/6C
SH
CABLE
TO PLC



1
1A
2
2A
G
G
3
3A
4
4A

BLACK	}	TO SUPPLY
RED	}	RTD PROBE
BROWN		
BLUE		
SHIELD		
BLACK	}	TO RETURN
RED	}	RTD PROBE
SHIELD		
SHIELD		
WHITE	}	TYPE J T/C CABLE
RED	}	TO STACK TEMP T/C
BLACK	}	TO OXYGEN
WHITE	}	SENSOR BOARD

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MAX OX LLC
 MX-900B BOILER CONTROL

DRAWN BY: GLS	DWG MO-02
DATE: 28 FEBRUARY 2009	

TS-2 DIGITAL INPUTS

SPARE	0 0A	SPARE
RED	1 1A	SPARE
GREEN	2 2A	SPARE
ORANGE	3 3A	SPARE
BLUE	4 4A	DI:4 FEED AUGER FAULT "+ 24VDC TO VFD FAULT CONTACTS
WHITE/BLACK	5 5A	DI:5 ASH AUGER VFD FAULT
RED/BLACK	6 6A	DI:6 ID FAN VFD FAULT
GREEN/BLACK	7 7A	DI:7 BOILER PUMP FLOW SWITCH "+ 24VDC TO FLOW SWITCH
ORANGE/BLACK	8 8A	DI:8 METERING BIN LEVEL SENSOR "+ 24VDC TO LEVEL SENSOR
BLUE/BLACK	9 9A	DI:9 FEED AUGER ROTATION SENSOR "+ 24VDC TO FEED AUGER ROTATION SENSOR
BLACK/WHITE	10 10A	DI:10 PROOF OF DRAFT SWITCH "+ 24VDC TO PROOF OF DRAFT SWITCH
RED/WHITE	11 11A	DI:11 BOILER HIGH TEMPERATURE SWITCH "+ 24VDC TO BOILER HIGH TEMPERATURE SWITCH
BLUE/WHITE	12 12A	DI:12 FRONT STOKER ACCESS DOOR LIMIT SWITCH "+ 24VDC TO FRONT STOKER ACCESS DOOR LIMIT SWITCH
BLACK/RED	13 13A	DI:13 REAR STOKER ACCESS DOOR LIMIT SWITCH "+ 24VDC TO REAR STOKER ACCESS DOOR LIMIT SWITCH
WHITE/RED	14 14A	DI:14 DISCONNECT AUXILIARY "+ 24VDC TO DISCONNECT AUXILIARY
ORANGE/RED	15 15A	DI:15 LOW WATER CUT-OFF SWITCH "+ 24VDC TO LOW WATER CUT-OFF SWITCH
BLUE/RED	16 16A	DI:16 AIRGATE LIMIT SWITCH "+ 24VDC TO AIRGATE LIMIT SWITCH

18/20C
CABLE TO PLC
DIGITAL INPUT SOCKET

"+24VDC FROM FUSE FU6

* ALL LOWER TERMINALS WITH AN "A" ARE COMMON BUS FOR + 24VDC

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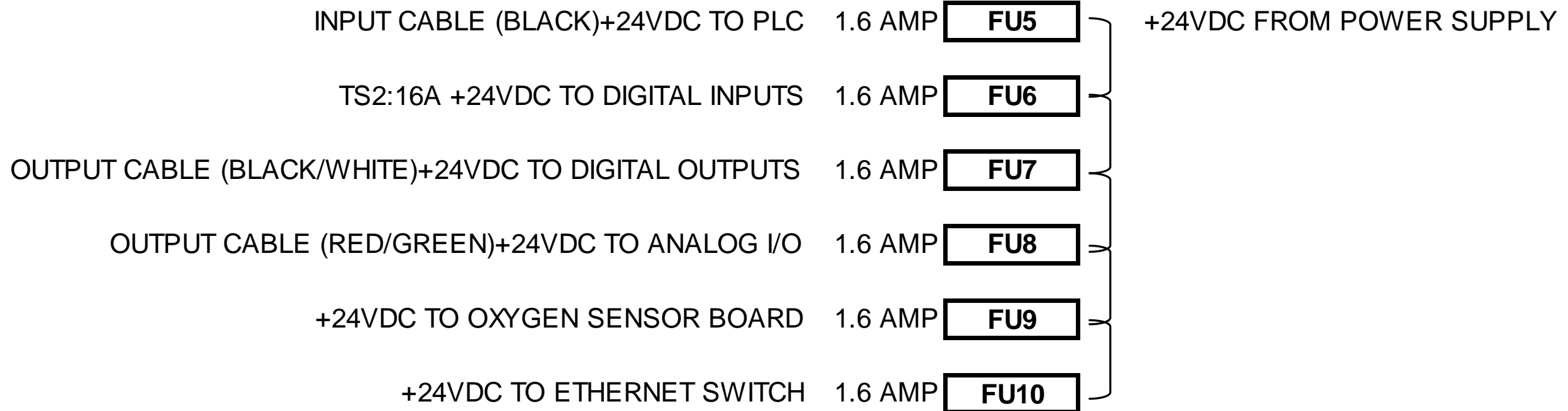
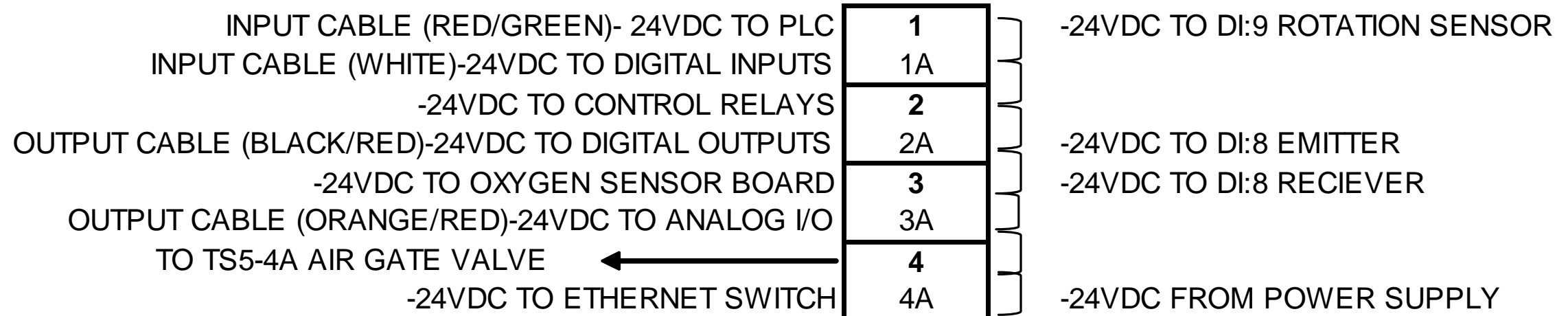
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DATE:
28 FEBRUARY 2009

DWG:

MD-03

TS-4 24VDC POWER DISTRIBUTION



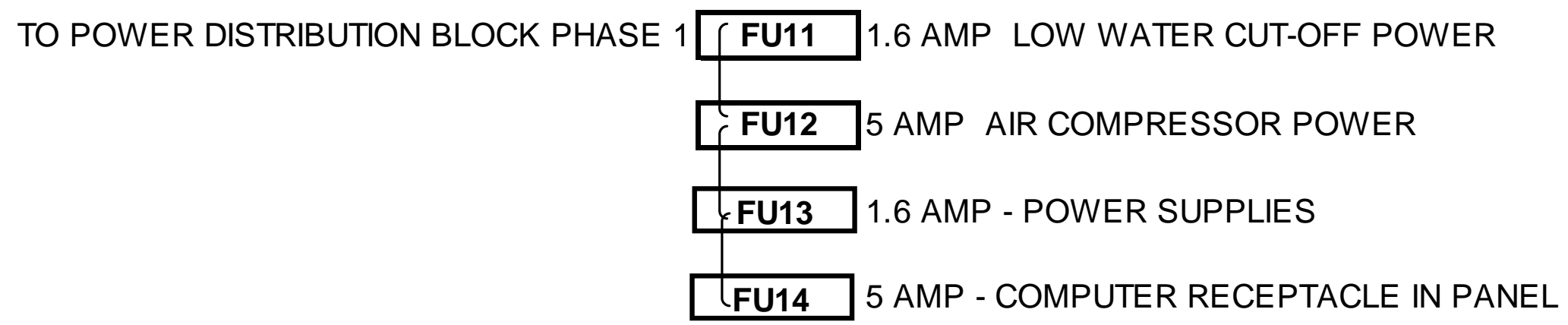
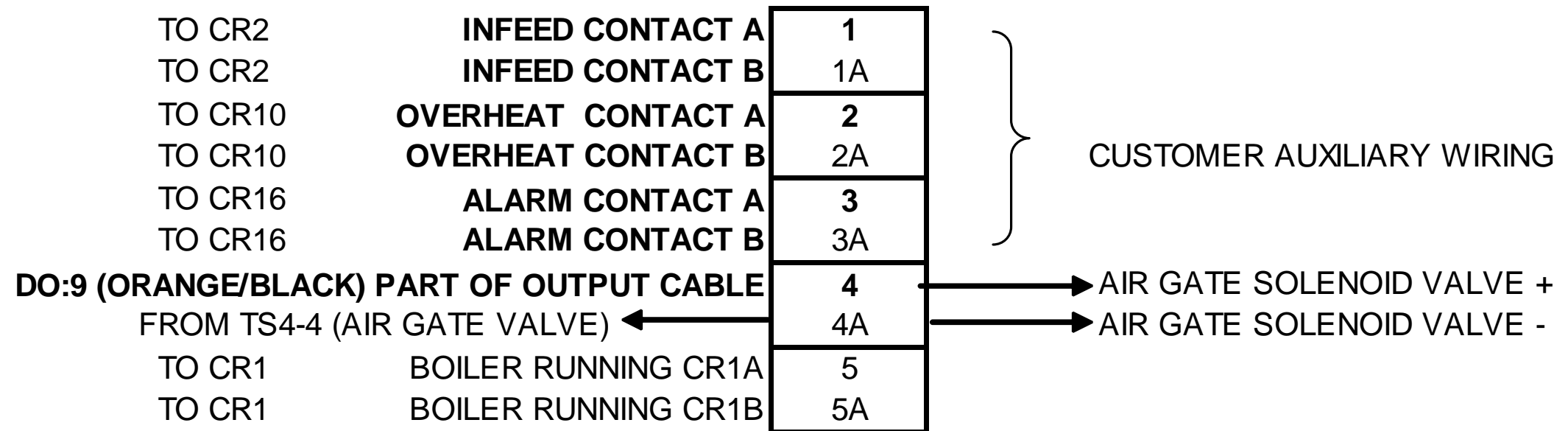
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MO-04

TS-5 AUXILLARY CONTACTS



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DATE: 28 FEBRUARY 2009	

TS-8 CONTROL RELAYS COILS

CR2	RED	DO:2
CR3	GREEN	DO:3
CR4	ORANGE	DO:4
CR5	BLUE	DO:5
CR6	WHITE/BLACK	DO:6
CR7	RED/BLACK	DO:7
CR10	BLUE/BLACK	DO:10
CR16	WHITE/RED	DO:16
CR11	RED/WHITE	DO:11
CR12	BLUE/RED	DO:12
CR1	GREEN/WHITE	DO:1

PART OF 18/20C CABLE TO
PLC DIGITAL OUTPUTS
SOCKET

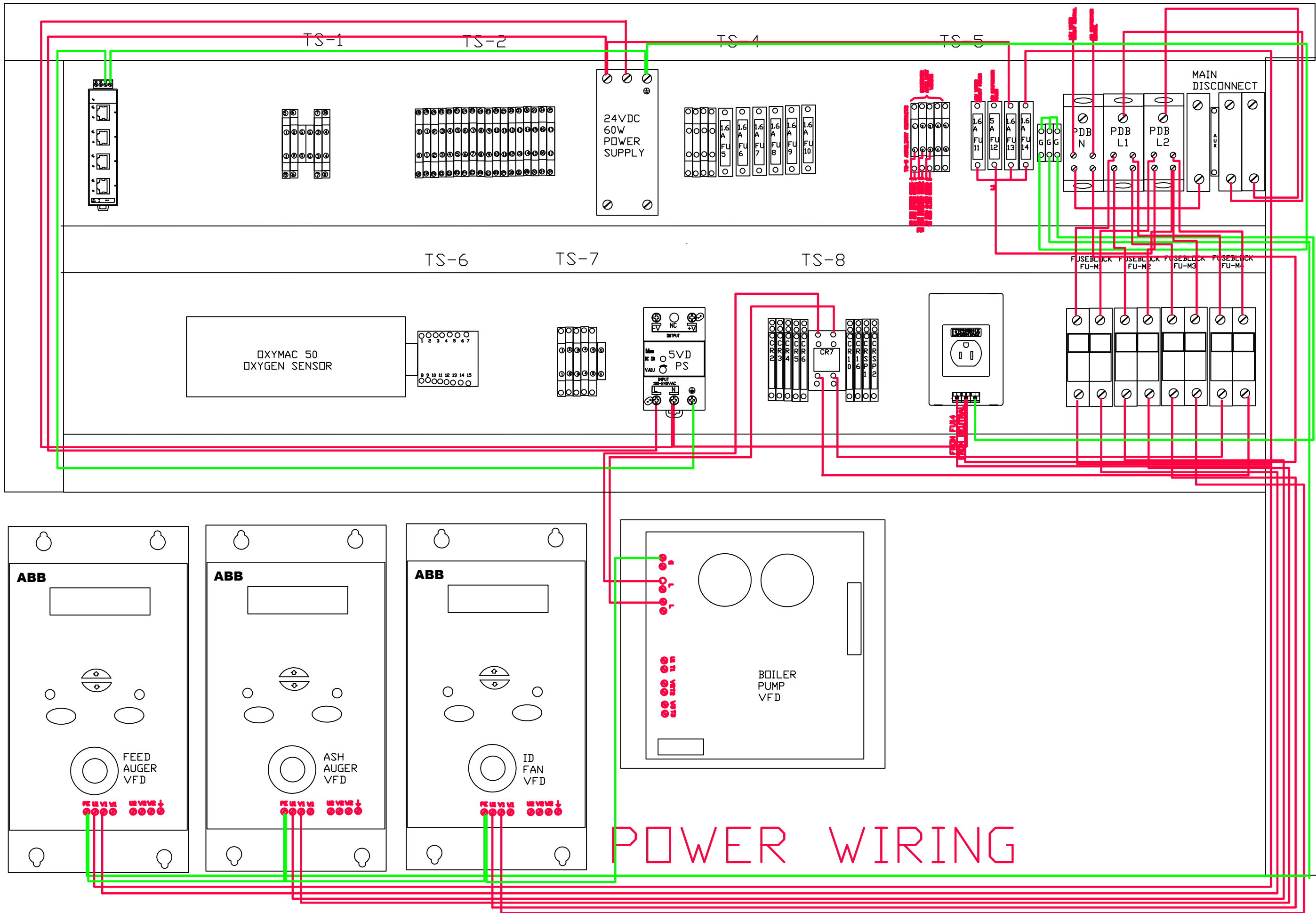
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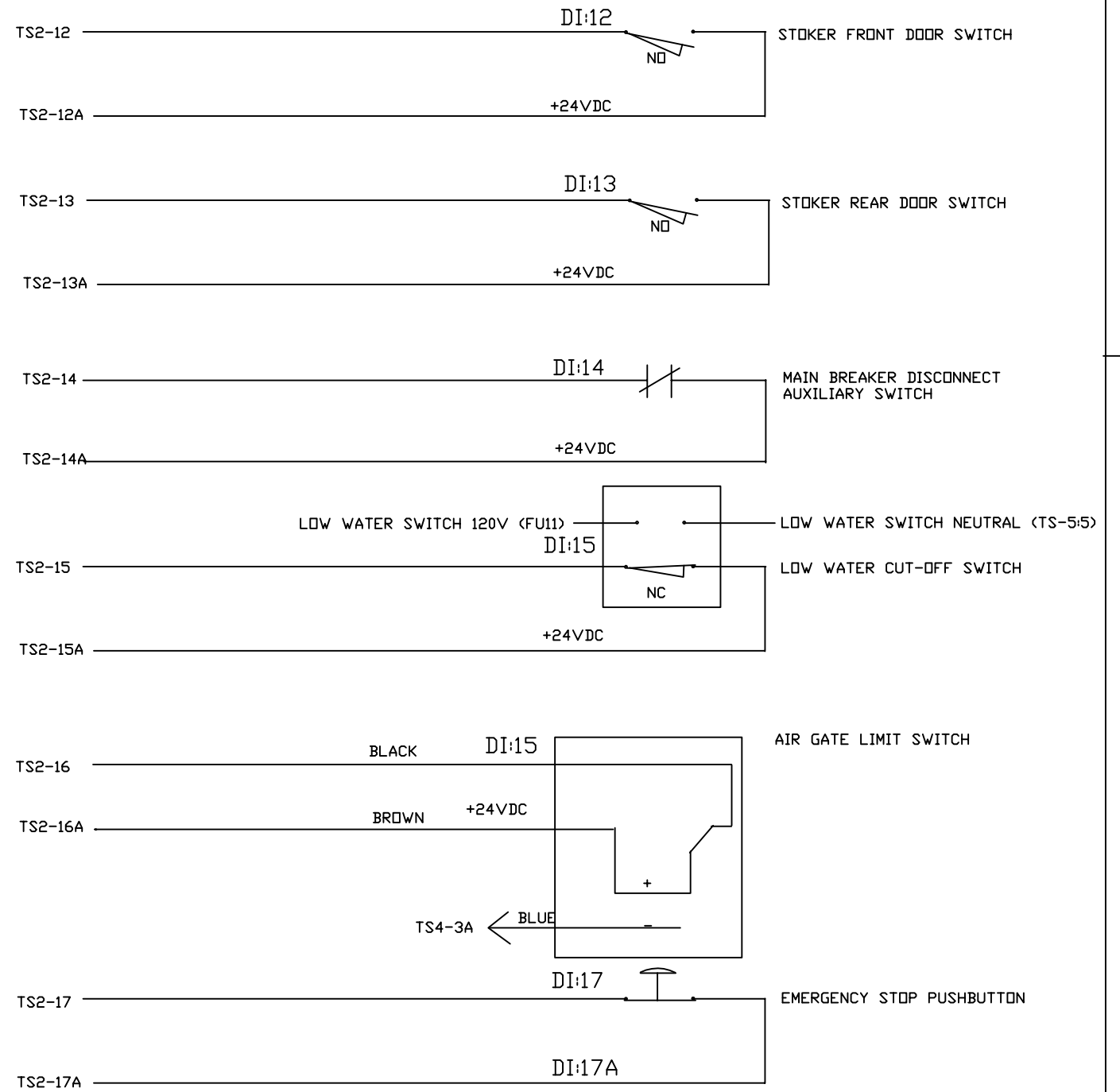
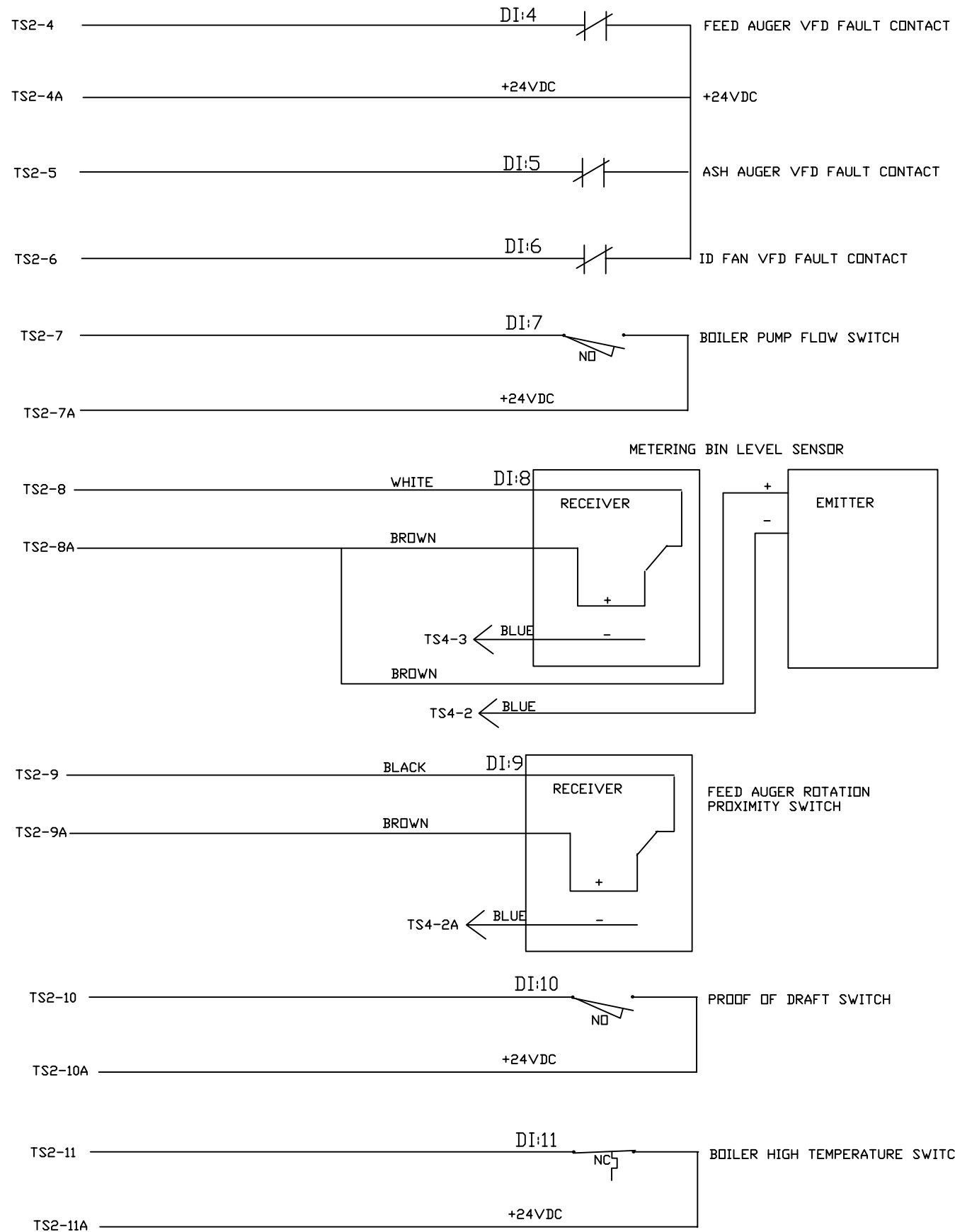
MAX DX LLC
MX-900B BOILER CONTROL

DRAWN BY:
GLS
02/28/09

SCALE: NONE

DRAWING:
MO-07

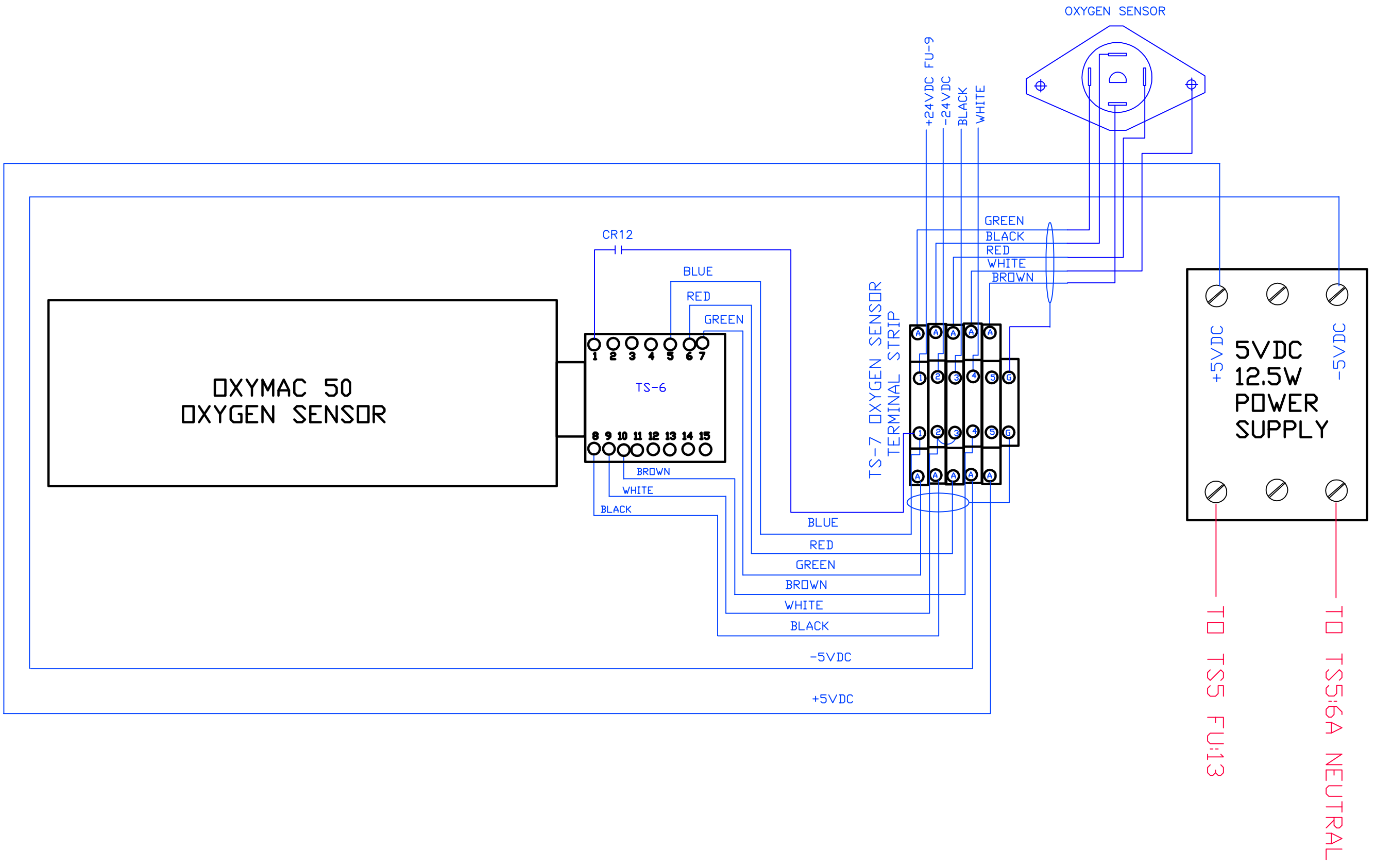
DIGITAL INPUTS



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DATE: 28 FEBRUARY 2009	



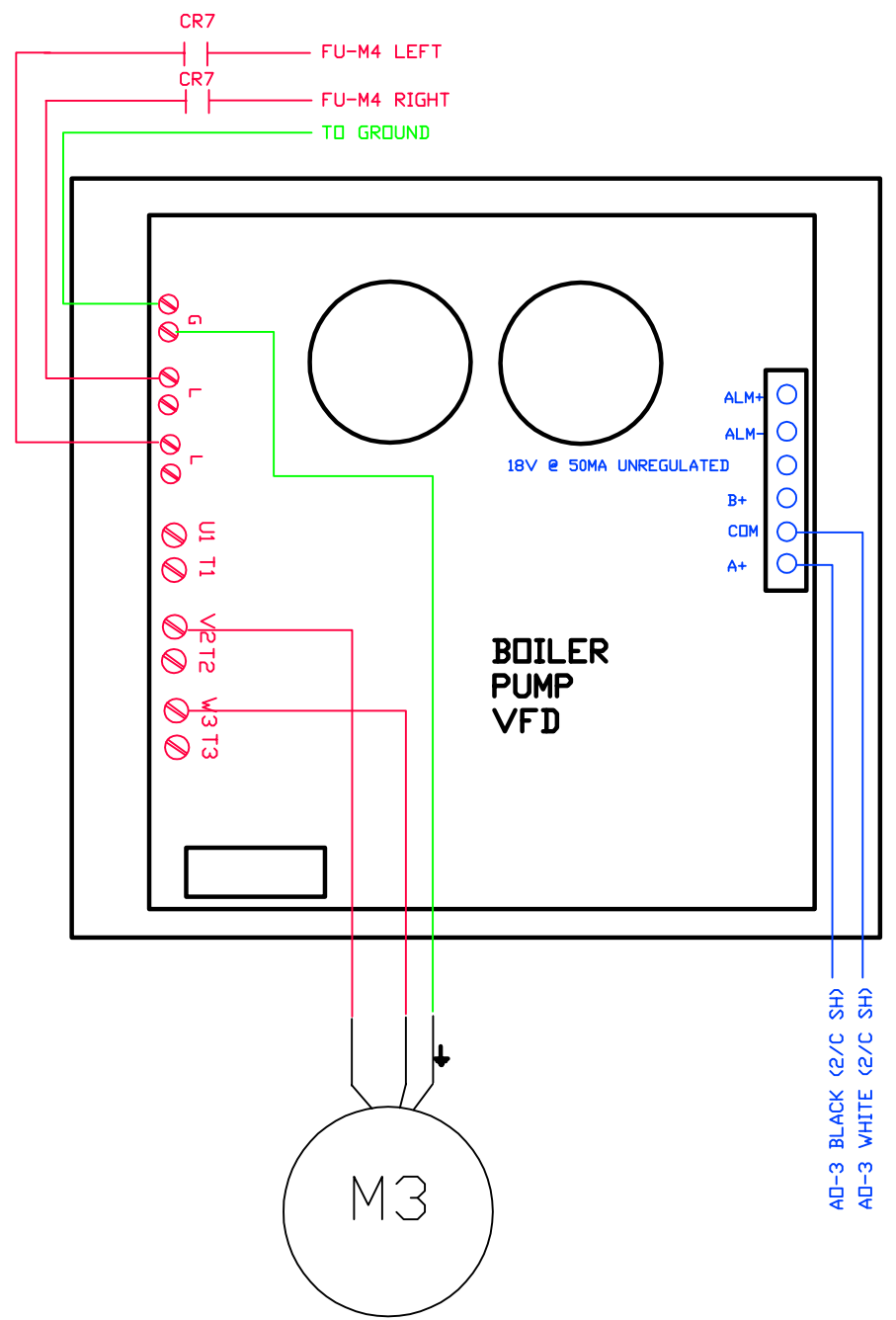
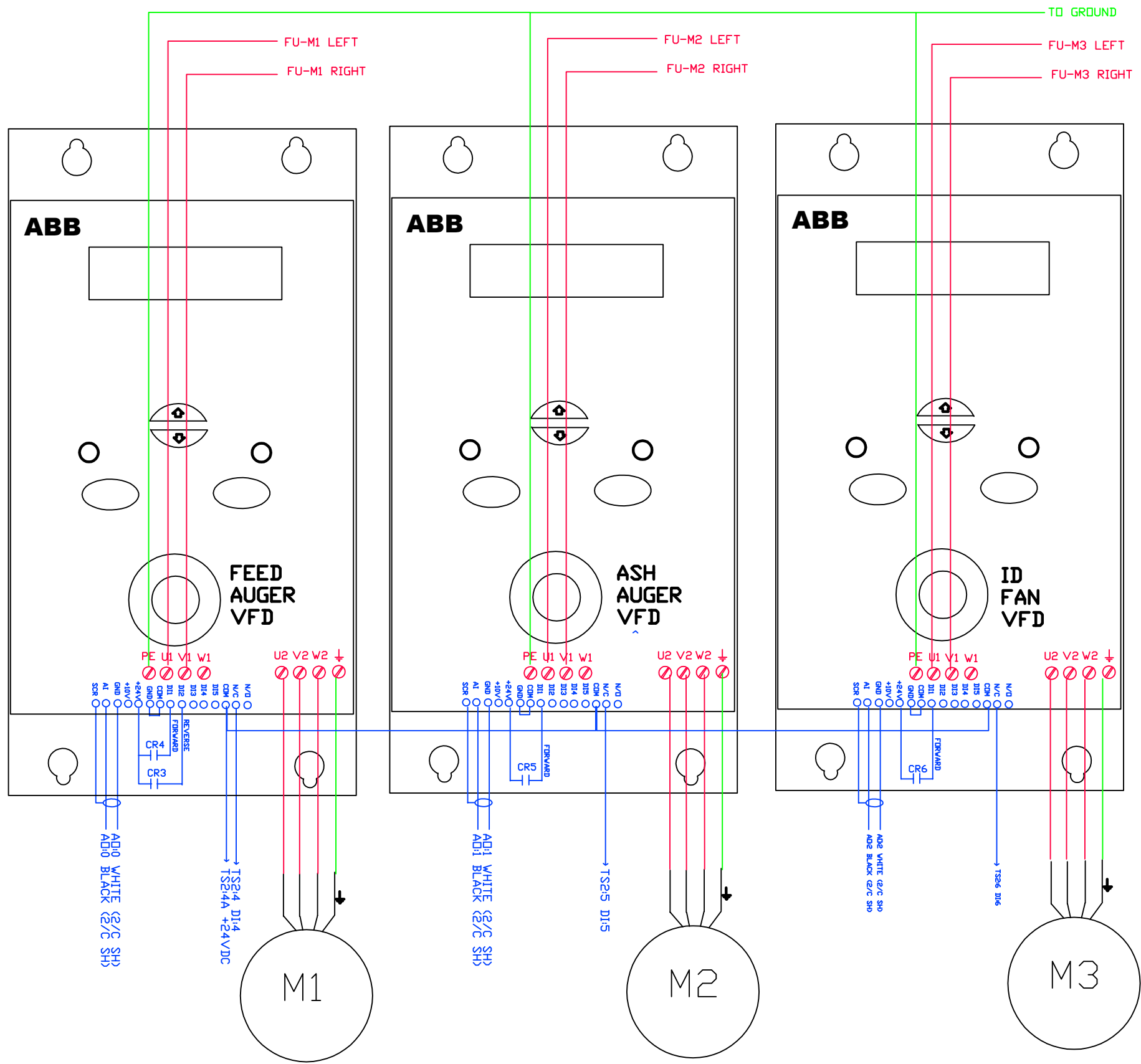
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MX-900B BOILER CONTROL

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28 FEBRUARY 2009

DWG:
MO-09



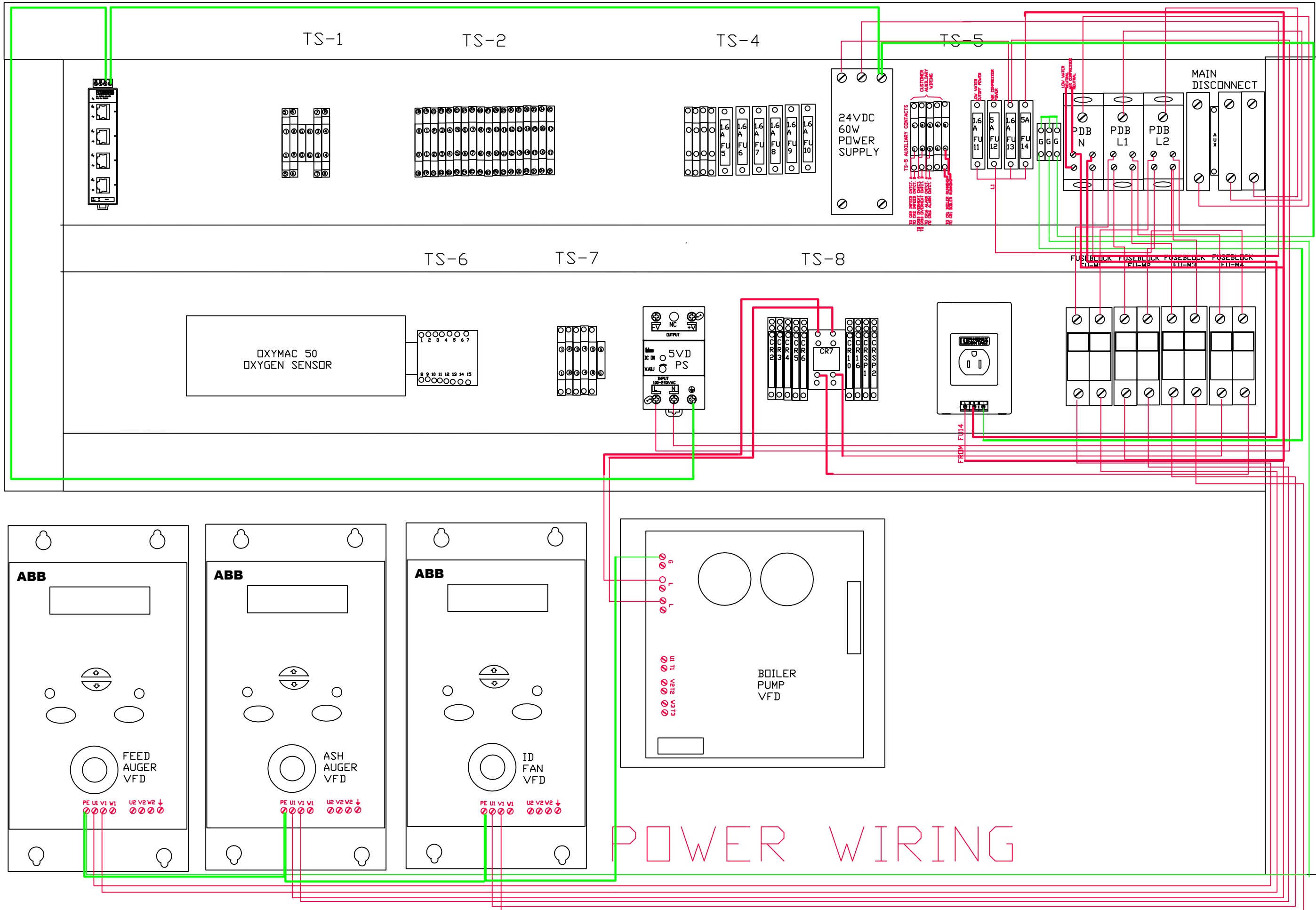
VFD POWER WIRING
VFD CONTROL WIRING

NOTE:
POWER WIRES AND CONTROL WIRES ARE ROUTED THROUGH THE WIREWAY TO THE RESPECTIVE TERMINAL STRIPS AND FUSES. SEE SHEET E-013 FOR MORE ACCURATE LAYOUT, SHOWING WIREWAY.

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SCALE: NONE

DRAWING:
MO-11