

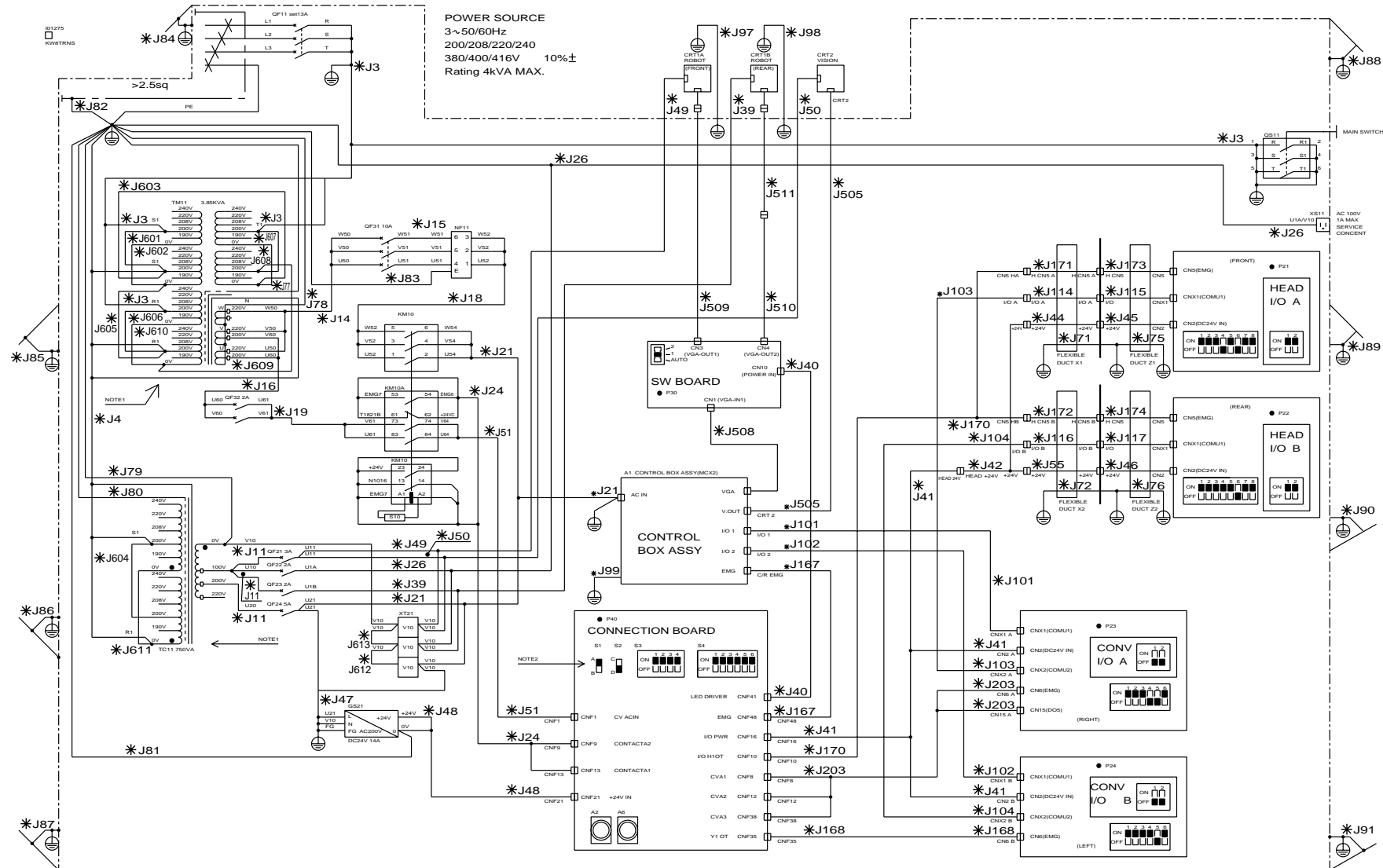
Control Wiring Diagram

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YV180X

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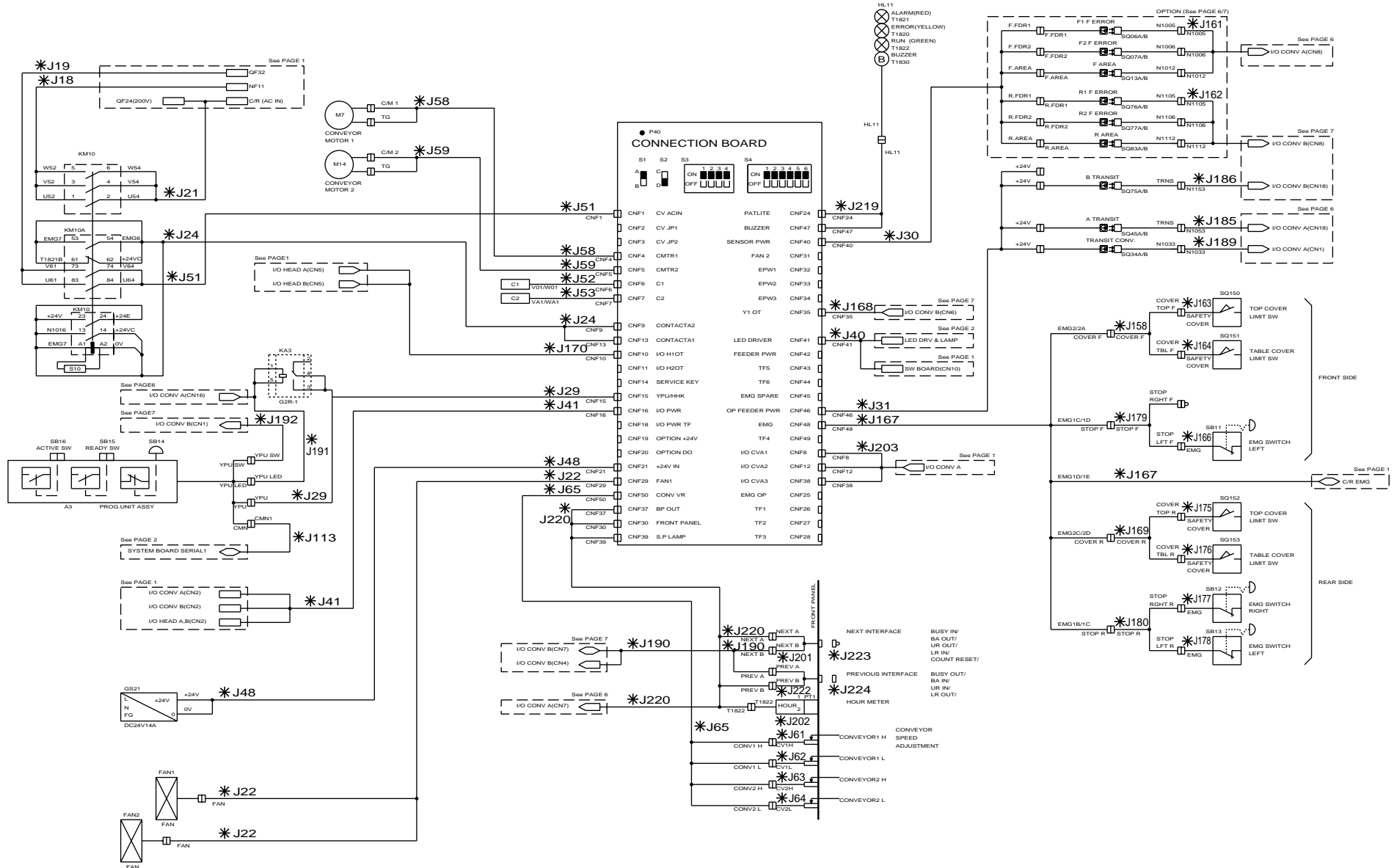
Overall connections diagram



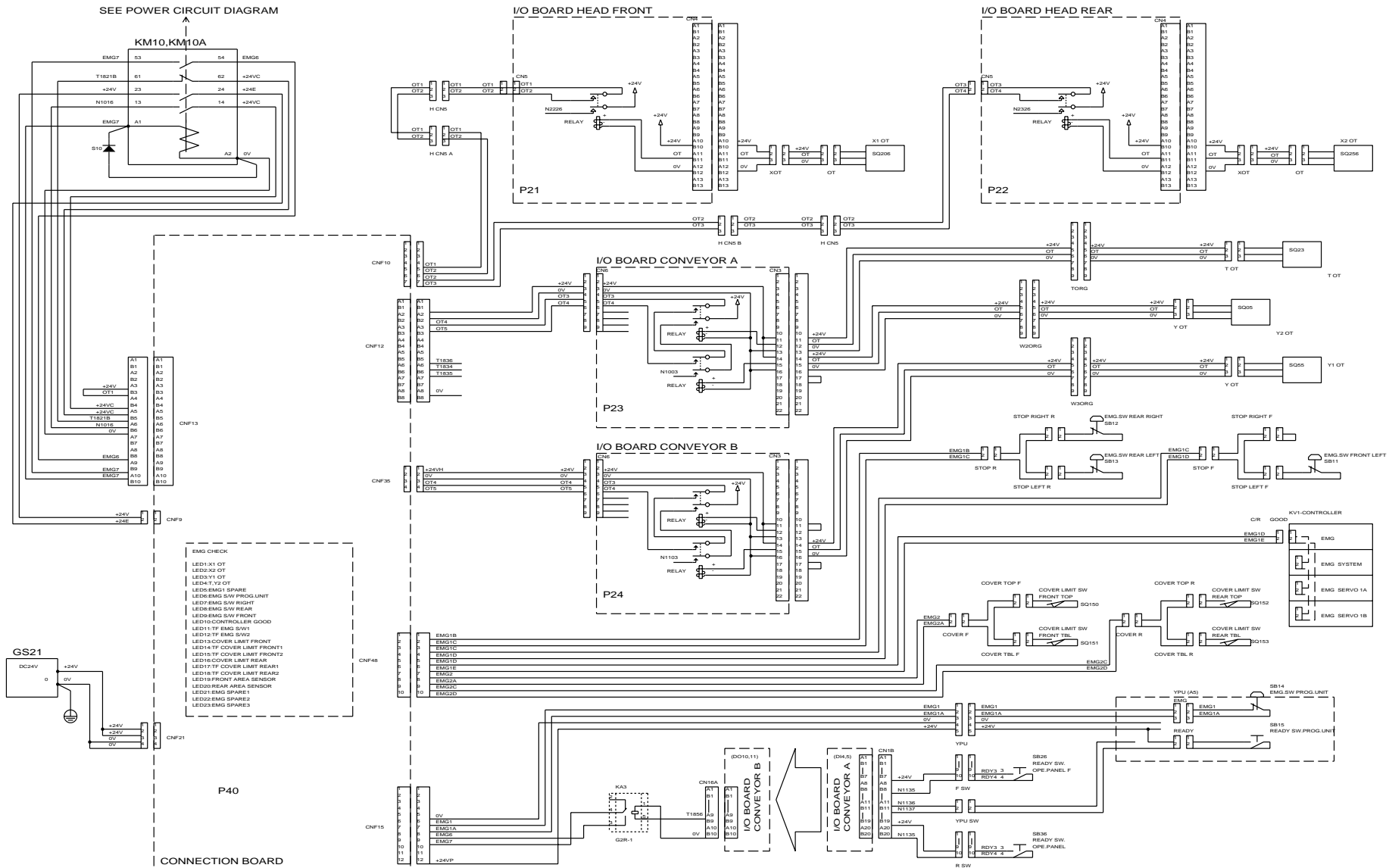
NOTE1: This DIAGRAM shows 200V.
 See PAGE 6.
 NOTE2: This setting is for R-L flow.
 The setting for L-R flow is showed below.



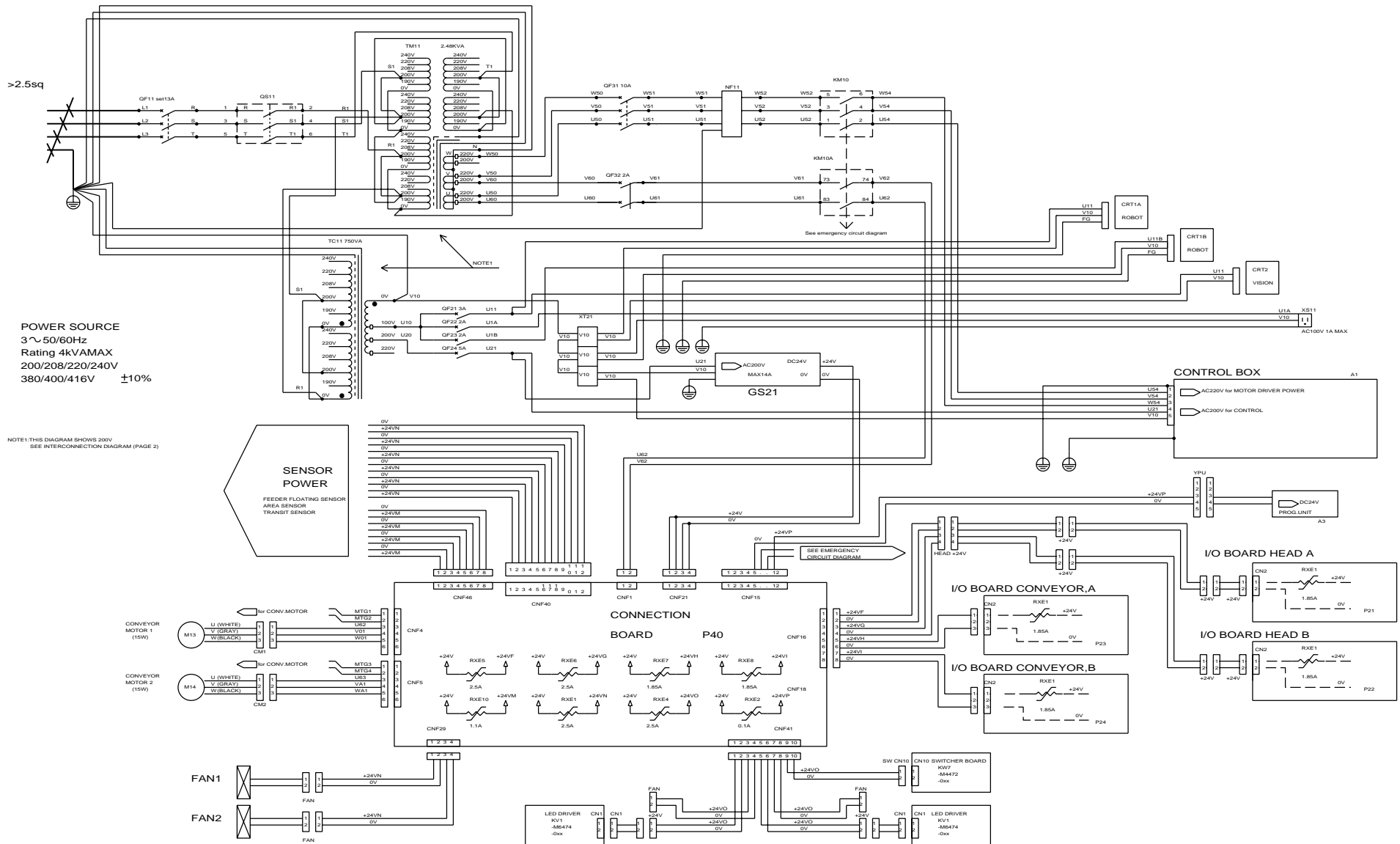
Connection board diagram



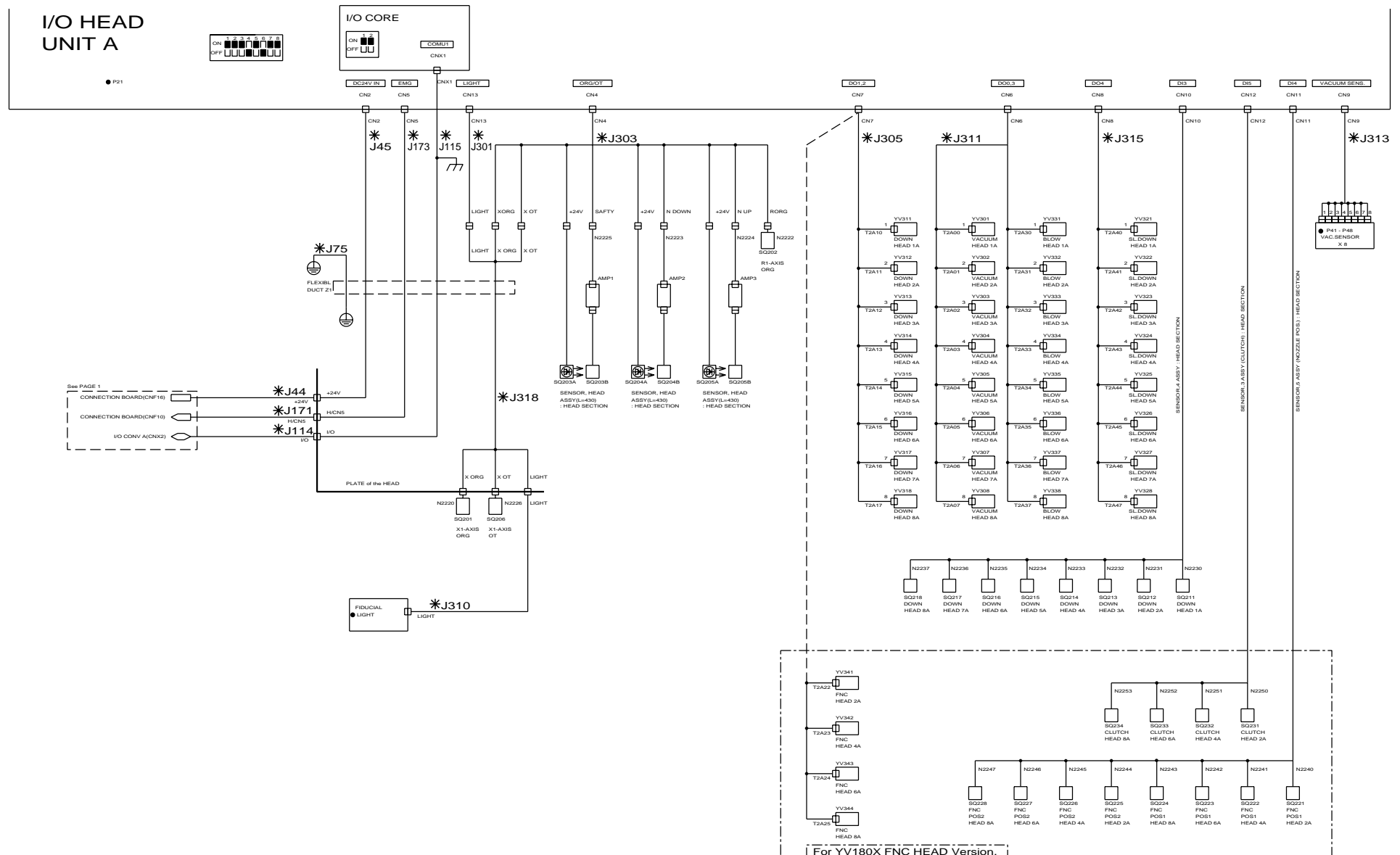
Emergency stop circuit diagram



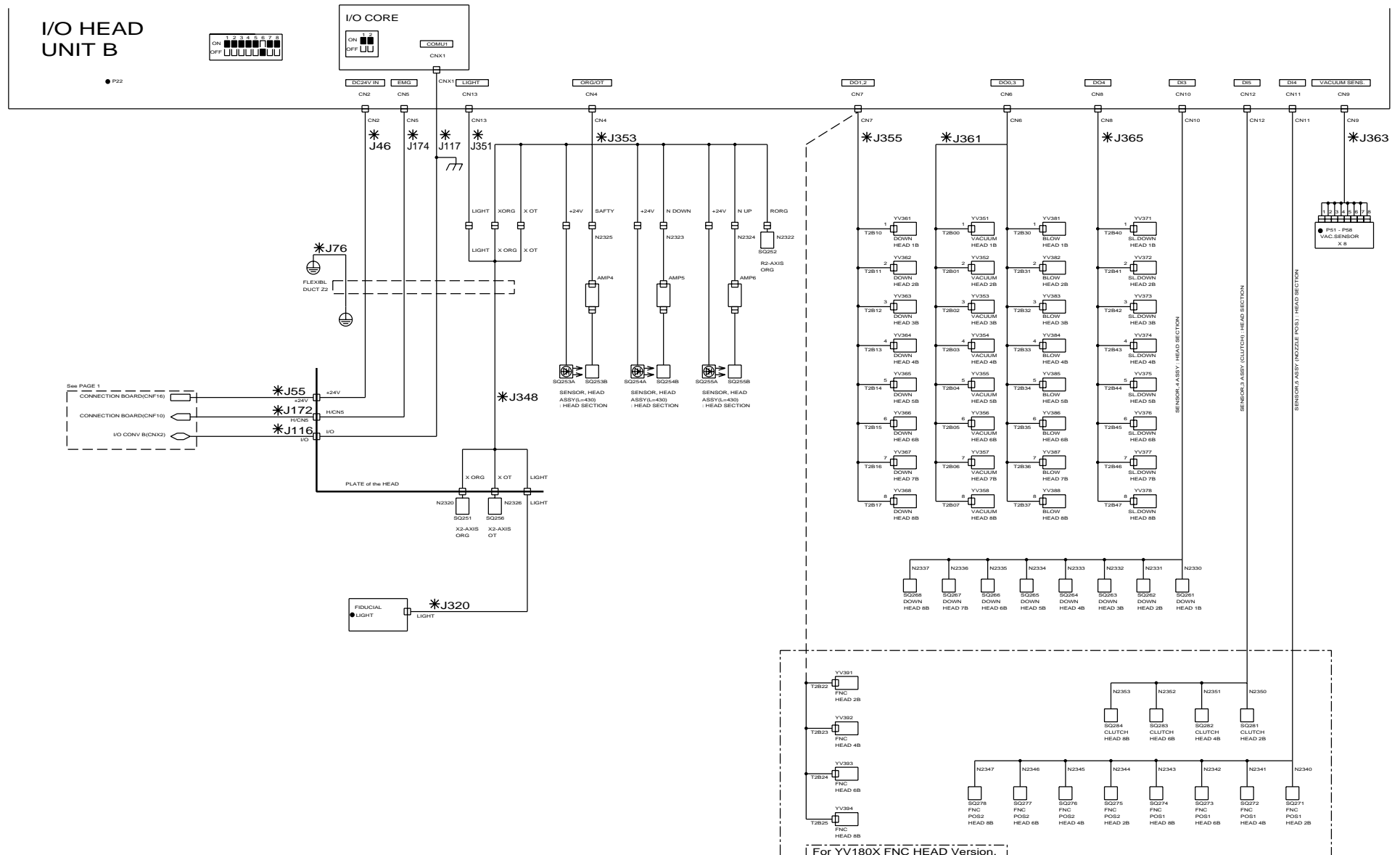
Power supply circuit diagram



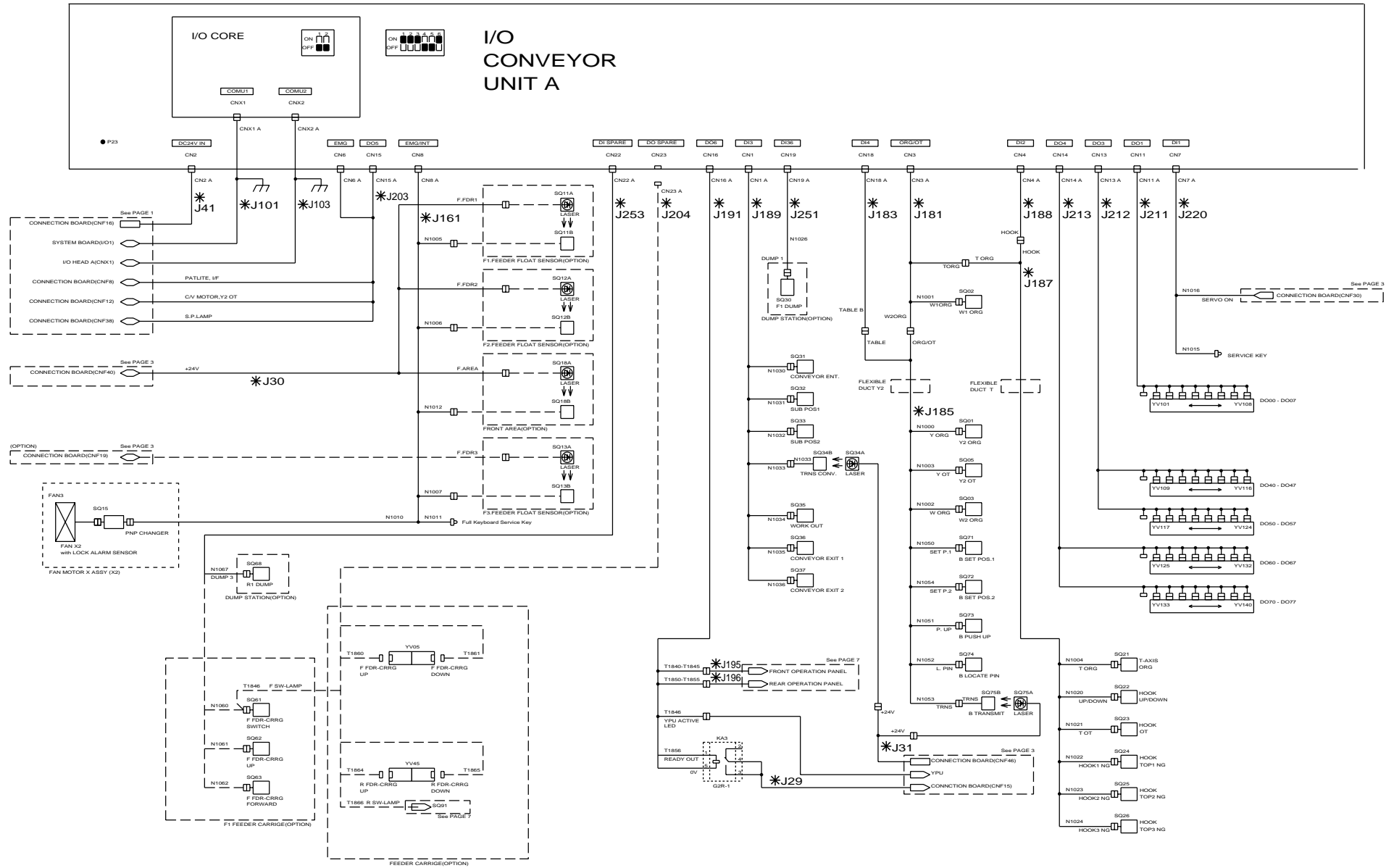
I/O wiring diagram (HEAD A)



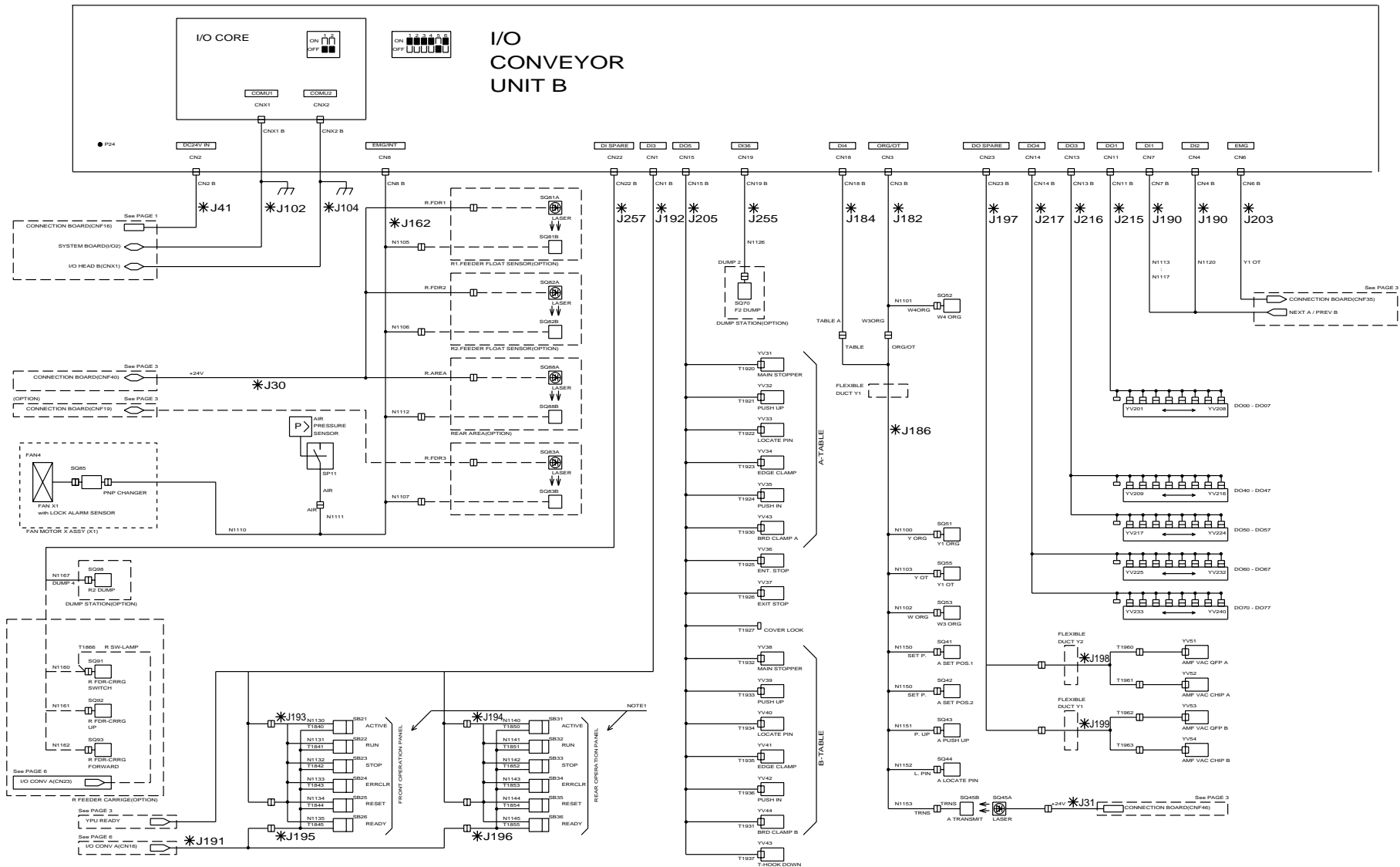
I/O wiring diagram (HEAD B)



I/O wiring diagram (CONVEYOR A)

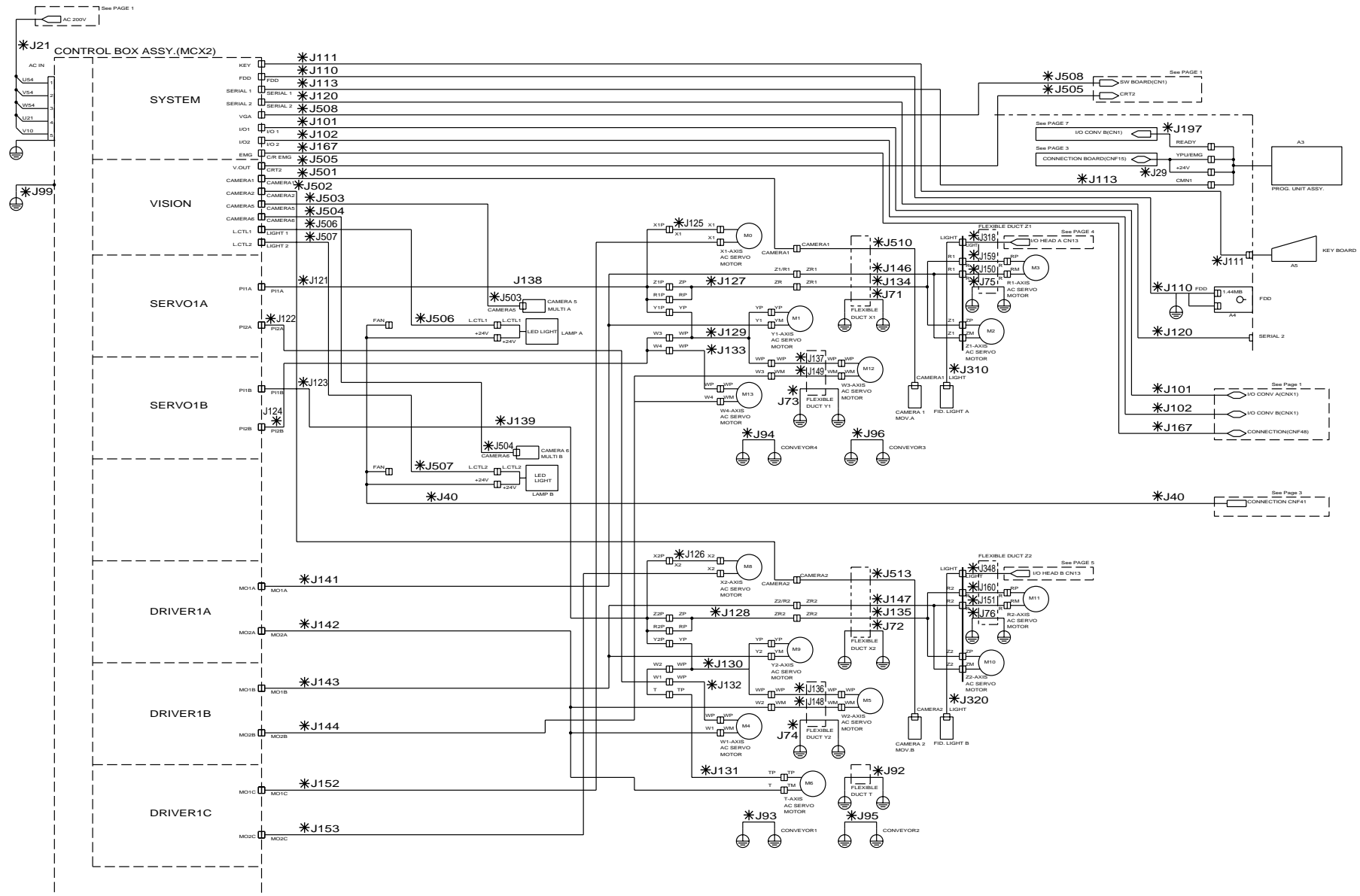


I/O wiring diagram (CONVEYOR B)



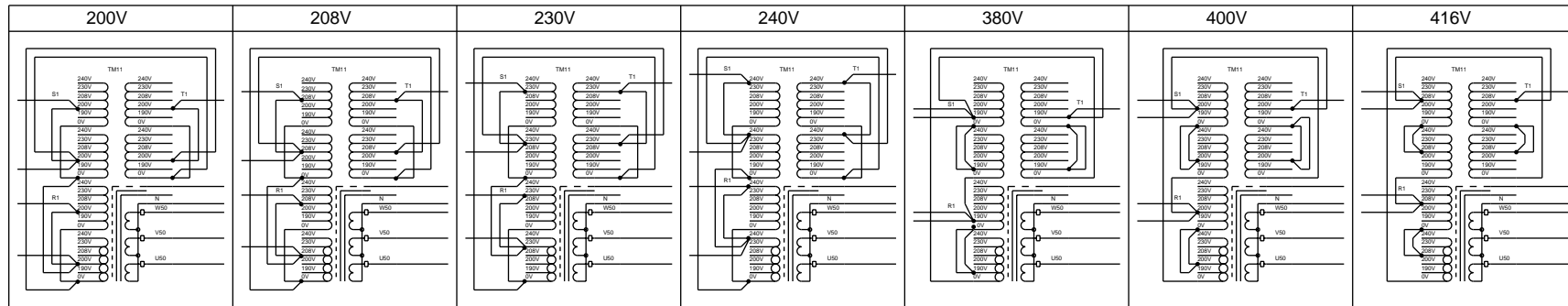
NOTE1: SB21-SB26, SB31-SB36 are TYPE 1a contacts.

Controller connections diagram

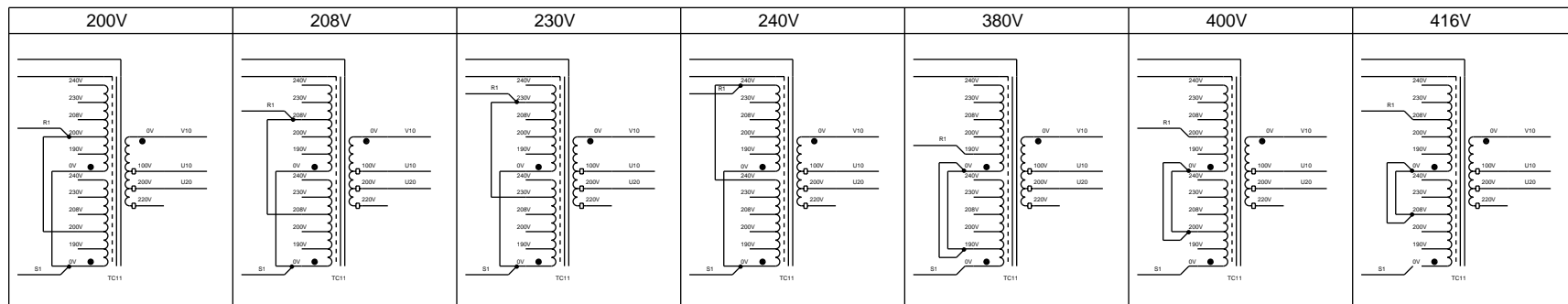


Transtap switching diagram

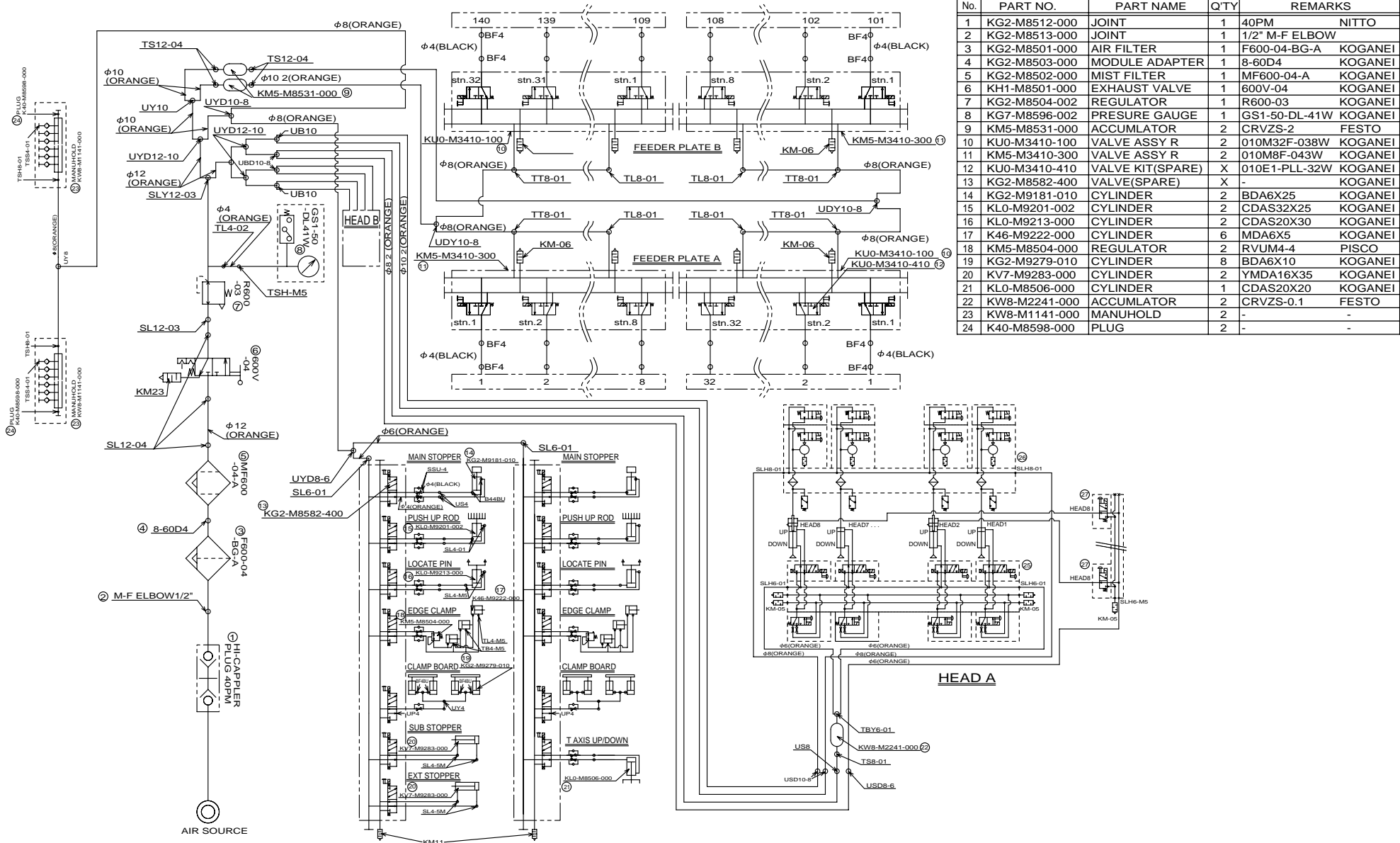
TM11: The selection of POWER SOURCE



TC11: The selection of POWER SOURCE



Air circuit



No.	PART NO.	PART NAME	QTY	REMARKS
1	KG2-M8512-000	JOINT	1	40PM NITTO
2	KG2-M8513-000	JOINT	1	1/2" M-F ELBOW
3	KG2-M8501-000	AIR FILTER	1	F600-04-BG-A KOGANEI
4	KG2-M8503-000	MODULE ADAPTER	1	8-60D4 KOGANEI
5	KG2-M8502-000	MIST FILTER	1	MF600-04-A KOGANEI
6	KH1-M8501-000	EXHAUST VALVE	1	600V-04 KOGANEI
7	KG2-M8504-002	REGULATOR	1	R600-03 KOGANEI
8	KG7-M8596-002	PRESSURE GAUGE	1	GS1-50-DL-41W KOGANEI
9	KM5-M8531-000	ACCUMULATOR	2	CRVZS-2 FESTO
10	KU0-M3410-100	VALVE ASSY R	2	010M32F-038W KOGANEI
11	KM5-M3410-300	VALVE ASSY R	2	010M8F-043W KOGANEI
12	KU0-M3410-410	VALVE KIT(SPARE)	X	010E1-PLL-32W KOGANEI
13	KG2-M8582-400	VALVE(SPARE)	X	- KOGANEI
14	KG2-M9181-010	CYLINDER	2	BDA6X25 KOGANEI
15	KL0-M9201-002	CYLINDER	2	CDAS32X25 KOGANEI
16	KL0-M9213-000	CYLINDER	2	CDAS20X30 KOGANEI
17	K46-M9222-000	CYLINDER	6	MDA6X5 KOGANEI
18	KM5-M8504-000	REGULATOR	2	RVUM4-4 PISCO
19	KG2-M9279-010	CYLINDER	8	BDA6X10 KOGANEI
20	KV7-M9283-000	CYLINDER	2	YMDA16X35 KOGANEI
21	KL0-M8506-000	CYLINDER	1	CDAS20X20 KOGANEI
22	KW8-M2241-000	ACCUMULATOR	2	CRVZS-0.1 FESTO
23	KW8-M1141-000	MANUHOOLD	2	-
24	K40-M8598-000	PLUG	2	-

No	Part No.	Part Name	Q'ty	Remarks	No	Part No.	Part Name	Q'ty	Remarks
1	KW8-M6600-000	HARNES SECTION	1		40	KV1-M664G-000	HNS 4-4(X-FLEX I/O)	2	J114,116
2	KG2-M536A-220	HNS,PE 150	8	J084-091	41	KG2-M664H-003	HNS 4-5 (SERIAL1)	1	J113
3	KH1-M536E-320	HNS 302 (FG 850 FLEX	4	J093,094,097,098	42	KK1-M664J-010	HNS,PE 1000	5	J077,078,079,080,083
4	KH1-M536E-410	HNS 302	2	J095,096	43	KV8-M664K-003	HNS,Z-FLEX CMN	1	J115,117
5	KM8-M536E-000	HNS 302 (F_PE,1800)	2	J071,072	44	KH4-M664L-033	FDD CABLE ASSY	1	J110
6	KM8-M536E-100	HNS 302 (F_PE,1400)	2	J073,074	45	KV0-M664M-000	HNS 4-9	1	J111
7	KM8-M536E-200	HNS 302 (F_PE,2200)	1	J092	46	KH4-M664N-011	HNS.4-10(SERIAL2)	1	J120
8	KV5-M536E-300	HNS 302 (F_PE,1000)	2	J075,076	47	KW8-M665A-000	HNS,PI1A X1,Y1,Z1,R1	1	J121
9	KM5-M661E-003	HNS,1-2 (QF11-TM11)	1	J003	48	KW8-M665E-000	HNS,PI2A W1,W2,T	1	J122
10	KM6-M661G-001	HNS,1-4 (TM11-TC11)	1	J004	49	KW8-M665F-000	HNS,PI1B X2,Y2,Z2,R2	1	J123
11	KW8-M661H-001	HNS,TC11-XT21/QFXX	1	J011	50	KW8-M665G-000	HNS,PI2B W3,W4	1	J124
12	KW8-M661J-000	HNS,TM11-QF31	1	J014	51	KW8-M665K-010	HNS,PI ZR1	1	J127
13	KM6-M661K-000	HNS 1-7 (QF31-NF11)	1	J015	52	KW8-M665K-100	HNS,PI ZR2	1	J128
14	KW8-M661L-000	HNS,NF11-KM10	1	J018	53	KV8-M665L-000	HNS 5-8	2	J134,135
15	KW8-M661M-000	HNS,TM11-QF32	1	J016	54	KL0-M665M-002	HNS,5-9	2	J129,130
16	KW8-M661N-000	HNS,QF32-KM10A	1	J019	55	KM6-M665R-000	HNS 5-13	1	J131
17	KV8-M661R-000	HNS 2-11(OUTLET)	1	J026	56	KW8-M665R-011	HNS,PI X	2	J125,126
18	KW8-M661U-010	HNS,POWER I/O	1	J041	57	KL0-M665T-002	HNS,5-12	2	J132,133
19	KV1-M661V-000	HNS 1-14(Y-FLEX +24)	1	J042	58	KV1-M665T-001	HNS,Z-FLEX RP	2	J159,160
20	KV8-M661W-000	HNS 1-15	2	J044,055	59	KL0-M665U-002	HNS,5-7	2	J136,137
21	KM5-M661Y-003	HNS,1-17 (PWR,CRT)	1	J050	60	KW8-M666A-000	HNS, MO1A Y1,Z1,R1	1	J141
22	KW8-M661Y-000	HNS,POWER CRT	2	J039,049	61	KW8-M666F-000	HNS, M01B Y2,Z2,R2	1	J143
23	KV7-M662A-011	HNS,2-1(SENSOR POWER	1	J030	62	KW8-M666G-000	HNS, M02B W3,W4	1	J144
24	KV8-M662A-002	HNS,2-1(KM12,QF22,XT	1	J021	63	KW8-M666H-000	HNS,MO X	2	J152,153
25	KW8-M662E-001	HNS,PWR TRNS. SENS.	1	J031	64	KV1-M666K-001	HNS,Z-FLEX RM	2	J150,151
26	KV8-M662G-000	HNS 2-4(CONNECT,CNF1	1	J024	65	KV1-M666L-000	HNS 6-8(X-FLEX Z,RM)	2	J146,147
27	KW8-M662K-010	HNS,CONNECTION-YPU	1	J029	66	KW8-M666Y-000	HNS,WM Y-FLEX	2	J148,149
28	KW8-M662N-000	HNS,HEAD OT CNF10	1	J170	67	KW8-M667J-000	HNS,INTERLOCK A	1	J161
29	KW8-M662T-000	HNS OT,HEAD	2	J171,172	68	KW8-M667A-001	HNS,COVER LIMIT SW.	2	J158,169
30	KV8-M662X-001	HNS,2-16(PWR,IO)	1	J047	69	KK1-M667E-001	HNS,EMG SW	3	J166,177,178
31	KV1-M662Y-000	HNS 2-17(CONN POWER)	1	J048	70	KW8-M667E-000	HNS,INTERLOCK B	1	J162
32	KW8-M663A-000	HNS,PWR MTR	1	J051	71	KW8-M667F-000	HNS EMG	1	J167
33	KV1-M663L-000	HNS 3-8(CONV.VR)	4	J061,062,063,064	72	KW8-M667G-001	HNS,EMG SW.	2	J179,180
34	KV1-M663M-000	HNS 3-9(CONN-CON.MT)	2	J058,059	73	KW8-M667H-000	HNS,Y1 OT	1	J168
35	KV1-M663N-000	HNS 3-10(CAPACITOR)	2	J052.053	74	KV8-M667L-001	HNS,7-8	1	J022
36	KW8-M663T-001	HNS,CNF50 VR	1	J065	75	KV8-M668F-002	HNS,8-3(DI,DUMP 1/2)	2	J251,255
37	KV8-M664A-001	HNS 4-1(CMN,I/O CV A	1	J101	76	KV8-M668G-200	HNS,8-4(DI,DUMP 3/4)	2	J253,257
38	KW8-M664E-010	HNS,CMN I/O CV B	1	J102	77	KW8-M668J-001	HNS,FRONT PANEL	1	J220
39	KW8-M664F-001	HNS,CMN I/O CV.	2	J103,104	78	KH4-M668R-000	HNS 8-11 (SW LIMIT C	4	J163,164,175,176

No	Part No.	Part Name	Q'ty	Remarks	No	Part No.	Part Name	Q'ty	Remarks
79	KW8-M668T-010	HNS,OPERATION SW	1	J192	117	KW8-M66TA-000	HNS,T-AXIS(FRONT)	1	
80	KV8-M669E-000	HNS 9-2(PATLITE)	1	J219	118	KW8-M666E-000	HNS, MO2A W1,W2,T	1	
81	KG2-M669G-010	HNS,9-4	1	J202	119	KW8-M66G1-021	HNS,CNV.A ORG/OT	1	
82	KW8-M669J-010	HNS,DO5 VALVE	1	J205	120	KW8-M66G6-000	HNS,DI HOOK	1	
83	KW8-M669N-011	HNS,DO CONNECTION	1	J203	121	KW8-M66TA-100	HNS,T-AXIS(REAR)	1	
84	KW8-M669R-000	HNS,Y-FLEX AMF ST.	2	J198,199	122	KW8-M666E-100	HNS,MO2A W1,W2,T	1	
85	KW8-M669U-000	HNS,AMF STATION	1	J197	123	KW8-M66G1-121	HNS,CNV.A ORG/OT	1	
86	KW7-M669V-020	HNS,SWITCH OPE.SW	2	J193,194	124	KW8-M66G6-100	HNS,DI HOOK	1	
87	KW7-M669W-020	HNS,LED OPE.SW	2	J195,196	125	KV7-M66N1-000	HNS,LIGHT1	1	J506,J507
88	KW8-M669T-010	HNS,LED SW	1	J191	126	KV7-M66N1-000	HNS,LIGHT1	1	J506,J507
89	KW8-M661X-000	HNS,POWER LED/SW BRD	1	J040	127	KV7-M66N2-001	HNS,LIGHT2	1	
90	KV8-M66A2-000	HNS 10-2(EXT,HEAD)	2	J301,351	128	KV8-M669K-001	HNS,9-7	2	J212,J213,J216,J217
91	KV8-M66A3-011	HNS,10-3(DI HEAD)	2	J303,353	129	KV8-M669M-001	HNS,9-9	1	J211,J215
92	KW8-M66A7-000	HNS,LED1	2	J310,320	130	KW8-M669L-000	HNS,DO FEEDER 4+8	1	J213,J217
93	KV8-M66E1-000	HNS 11-1(DO,HEAD)	2	J311,361	131	KV8-M66T1-000	HNS,22-1(I/O,FDR & D	1	J781
94	KV8-M66E3-001	HNS,11-3	2	J313,363	132	KV7-M668G-010	HNS,DI EXCHANGE	1	J792
95	KV8-M66E5-010	HNS,11-5	2	J315,365	133	KV7-M668H-010	HNS,DI EXCHANGE-20	1	J787
96	KV8-M66E6-001	HNS,11-6(I/O HEAD)	2	J318,348	134	KW8-M668G-000	HNS,DI FDR CARRIGE	1	J253
97	KV8-M66E7-001	HNS,Z-FLEX OT	2	J173,174	135	KV8-M66R4-101	HNS,EMG 3/4-4/5	1	J772
98	KV1-M66E8-001	HNS,Z-FLEX +24V	2	J045,046	136	KV8-M66T1-000	HNS,22-1(I/O,FDR & D	1	J796
99	KH4-M66F5-011	HNS,12-5 (VGA_4.5M)	2		137	KV7-M668G-110	HNS,DI EXCHANGE	1	J794
100	KU8-M66F5-300	HNS,12-5 (VGA_3M)	1	J112	138	KW8-M668H-000	HNS,DI EXCHANGE-20	1	J789
101	KU8-M66F5-100	HNS,12-5 (VGA_1.5M)	1	J115	139	KW8-M668G-000	HNS,DI FDR CARRIGE	1	J257
102	KV8-M66F6-000	HNS 12-6	1	J505	140	KV8-M66R4-101	HNS,EMG 3/4-4/5	1	J772
103	KW8-M66G2-011	HNS,CNV.B ORG/OT	1	J182	141	KV8-M66A5-010	HNS,10-5(DO DOWN/FNC	1	J305
104	KW8-M66G3-011	HNS,CNV.UNIT	2	J183,184	142	KV8-M66A5-500	HNS,10-5(DO DOWN)	1	J305
105	KW8-M66G4-010	HNS,DI MV.CNV.	2	J185,186	143	KV7-M66F6-00x	C.CAMERA ASSY L7.7M	1	J501/J510:Camera 1
106	KW8-M66G5-020	HNS,T-FLEX DI/ORG	1	J187	144	KV7-M66F2-00x	C.CAMARA ASSY L6M	1	J501
107	KW8-M66G7-010	HNS,DI CONV.	1	J189	145	KV7-M66F4-00x	C.CAMERA ASSY L1.7M	1	J510
108	KW8-M66G8-001	HNS,DI I/F	1	J190	146	KV8-M66F0-00x	C.CAMERA ASSY L5M	1	J504/(J503):Multi
109	KW3-M66GW-001	HNS,NEXT INTERFACE	1	J201					
110	KW3-M66GX-001	HNS,PRE.INTERFACE	1	J222					
111	KV8-M66L1-000	HNS 17-1(700)	1	J099					
112	KM6-M66L2-030	HNS,PE 1600	1	J081					
113	KM6-M66M1-101	HNS,TAP CHANGE	10	J601-608,610,611					
114	KM6-M66M1-201	HNS,TAP CHANGE	1	J609					
115	KM6-M66M4-001	HNS 18-4 (JUMPER)	2	J612,613					
116	KW8-M66TA-XXX		1						



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