

## TABLE OF CONTENTS

EEC IIB.....	ECC
29-08-2011 15: 28: 40	
POWER SUPPLY 3X400VAC+N+PE, LIGHTING .....	5
14-10-2011 13: 33: 48	
CONTROL VOLTAGE 24VDC.....	10
14-10-2011 13: 34: 32	
EMERGENCY STOP.....	15
14-10-2011 13: 45: 06	
EMERGENCY STOP. SAFETY SENSORS 1 AND 2 .....	16
14-10-2011 13: 37: 22	
EMERGENCY STOP. 2-HAND PRESSURE RIGHT AN LEFT .....	17
14-10-2011 13: 46: 50	
PLC SETUP AND ETHERNET COMMUNICATION .....	19
14-10-2011 13: 39: 58	
PLC, ANALOGUE CARD, ETHERNET SWITCH, REMOTE ACCESS, OPERATING PANEL'S POWER SUPPLY .....	20
14-10-2011 13: 43: 14	
INPUT CARD 20A1 X0-X3.....	21
14-10-2011 13: 44: 42	
INPUT CARD 20A1 X4-X7.....	22
14-10-2011 13: 45: 28	
OUTPUT CARD 20A1 Y0-Y3.....	23
14-10-2011 13: 45: 22	
OUTPUT CARD 20A1 Y4-Y7.....	24
14-10-2011 13: 45: 28	
INPUT CARD 20A2 X10-X17.....	25
19-10-2011 20: 46: 44	
INPUT CARD 20A2 X20-X27.....	26
02-09-2011 14: 01: 16	
INPUT CARD 20A3 X30-X37.....	27
19-10-2011 21: 14: 14	
INPUT CARD 20A3 X40-X47.....	28
19-10-2011 21: 18: 38	
INPUT CARD 20A4 X50-X57.....	29
02-09-2011 14: 23: 22	
INPUT CARD 20A4 X60-X67.....	30
14-10-2011 13: 47: 16	
OUTPUT CARD 20A5 Y10-Y17.....	31
14-10-2011 13: 47: 36	



Project title: PELSROBOT 2011  
 Client: JASPOELS  
 Last printed: 19-10-2011 21:38:02  
 Last corrected: 19-10-2011 21:29:14

File name: 2011-JAP-0  
 File name: 2011-JAP-0  
 Case no.: CIRCUIT SCHEME  
 Page: 11 of 65

## TABLE OF CONTENTS

OUTPUT CARD 20A5 Y20-Y27.....	32
14-10-2011 13: 48: 12	
OUTPUT CARD 20A6 Y30-Y37.....	33
14-10-2011 13: 49: 38	
OUTPUT CARD 20A6 Y40-Y47.....	34
02-09-2011 14: 01: 32	
OUTPUT CARD 20A7 Y50-Y57.....	35
14-10-2011 13: 53: 18	
OUTPUT CARD 20A7 Y60-Y67.....	36
18-10-2011 20: 29: 14	
ANALOGUE OUTPUT CARD 20A8 A01-A02.....	37
18-10-2011 21: 05: 36	
ANALOGUE OUTPUT CARD 20A8 A03-A04.....	38
18-10-2011 21: 04: 26	
MAIN POWER .....	MAIN POWER
02-09-2011 13: 47: 32	
MAIN POWER M100. SPIKE CHAIN PULL.....	100
18-10-2011 21: 07: 22	
MAIN POWER M101. CHAIN PULL .....	101
18-10-2011 21: 10: 34	
MAIN POWER M102. BACK PULL .....	102
18-10-2011 21: 12: 26	
MAIN POWER M103. BELT 1 .....	103
19-10-2011 21: 04: 12	
LIST OF COMPONENTS .....	LIST OF COMPONENTS
31-08-2011 15: 51: 28	
LIST OF COMPONENTS .....	KL 1
19-10-2011 21: 29: 12	
LIST OF COMPONENTS .....	KL 2
19-10-2011 21: 29: 12	
LIST OF COMPONENTS .....	KL 3
19-10-2011 21: 29: 12	
LIST OF COMPONENTS .....	KL 4
19-10-2011 21: 29: 12	
I/O LIST .....	I/O LIST
28-06-2011 11: 56: 36	
I/O LIST .....	I/O 1
02-09-2011 14: 02: 14	



## TABLE OF CONTENTS

I/O LIST .....	I/O 5
02-09-2011 14:02:24	
I/O LIST .....	I/O 6
02-09-2011 14:02:26	
I/O LIST .....	I/O 7
02-09-2011 14:02:28	
I/O LIST .....	I/O 8
19-10-2011 21:29:12	
CABLE PLAN .....	CABLE PLAN
18-10-2011 21:16:24	
CABLE PLAN 1W1.....	KP1
18-10-2011 21:54:10	
CABLE PLAN 15W2.....	KP2
18-10-2011 21:54:18	
CABLE PLAN 15W4.....	KP3
19-10-2011 20:29:04	
CABLE PLAN 17W2.....	KP4
19-10-2011 20:39:04	
CABLE PLAN 22W5.....	KP5
19-10-2011 20:44:10	
CABLE PLAN 23W1.....	KP6
19-10-2011 21:28:26	
CABLE PLAN 25W11.....	KP7
19-10-2011 20:51:36	
CABLE PLAN 25W17.....	KP8
19-10-2011 21:08:56	
CABLE PLAN 26W24.....	KP9
19-10-2011 21:11:32	
CABLE PLAN 27W31.....	KP10
19-10-2011 21:13:32	
CABLE PLAN 27W36.....	KP11
19-10-2011 21:18:22	
CABLE PLAN 29S55.....	KP12
19-10-2011 21:20:40	
CABLE PLAN 31W1.....	KP13
19-10-2011 21:21:52	
CABLE PLAN 100W1.....	KP14
19-10-2011 21:06:30	



## TABLE OF CONTENTS

CABLE PLAN 102W1..... KP15  
19-10-2011 21: 22: 20



Project title: PELSROBOT 2011  
Client: JASPOELS  
Last printed: 19-10-2011 21:38:02  
Last corrected: 19-10-2011 21:31:06

File name: 2011-JAP-0  
File name: 2011-JAP-0  
Case no.: CIRCUIT SCHEME  
Page: 14 of 65

CE INCORPORATION DECLARATION  
MACHINE DIRECTIVE  
2006/42/EF. ANNEX II B

The undersigned manufacturer is authorized to compile the technical documentation for a partly completed machine and to provide the technical file upon request:

Soft & Teknik A/S  
Håndværkervej 3  
DK-9900 Frederikshavn  
Tel. +45 98 42 95 35  
CVR: 24257509

hereby declares that the electric control for:

PELTING ROBOT 2011  
2011-JAP-01  
CIRCUIT SCHEME

is meant to be incorporated in machines or combined with other machine parts in order to be put into machines covered by the Machinery Directive (Directive 2006/42/EC)

is manufactured in accordance with the following directives:

Low Voltage Directive 2006-95/EC  
The EMC Directive 2004/108/CE

The following harmonized standards have been applied:

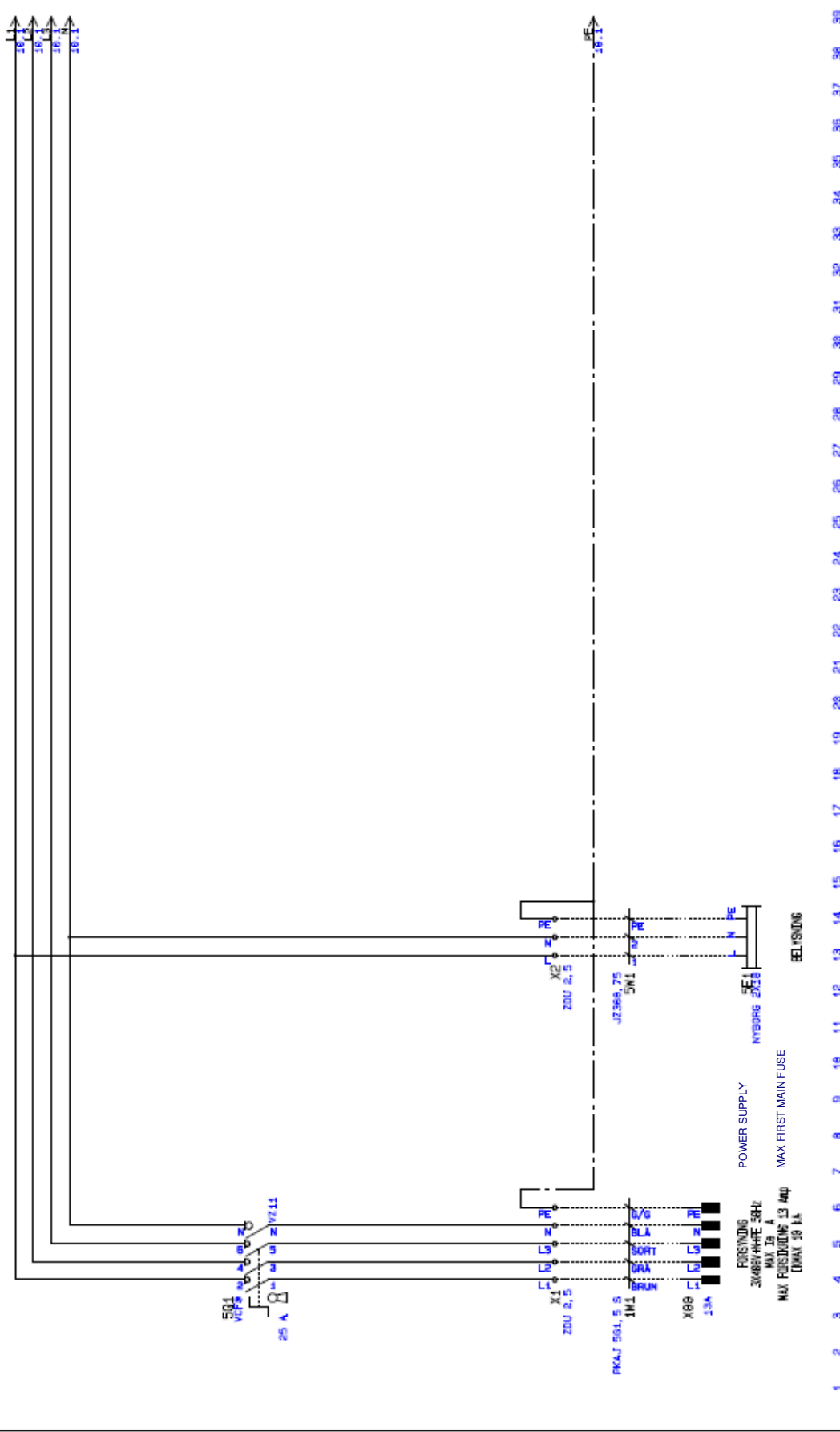
EN 60436-1  
EN 60204-1

Furthermore, it is prohibited to put into service until the installation in which it is to be incorporated has been declared to comply with all relevant regulations, i.e. as a whole, including the Machinery Directive, which has been referred to in this statement.

Place: Frederikshavn

Date: 31-08-2011

Signature: 

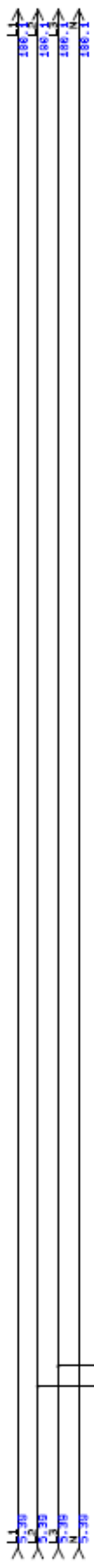


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Client: JASPELS  
 Project title: PELSRBOT 2011  
 Case name: CIRCUIT SCHEME  
 Page title: POWER SUPPLY 3X400VAC-N+PE, LIGHTING

Constructor: JOE  
 Approved: 2011-JAP-01  
 Drawing no. 31-08-2011  
 Created: 10  
 Last printed: 19-10-2011 21:38:02  
 Revision: 5 of 66  
 Page: 5 of 66  
 Next page: 10



CHAIN DRIVE BRAKE  
BRAKE BACK STRETCH



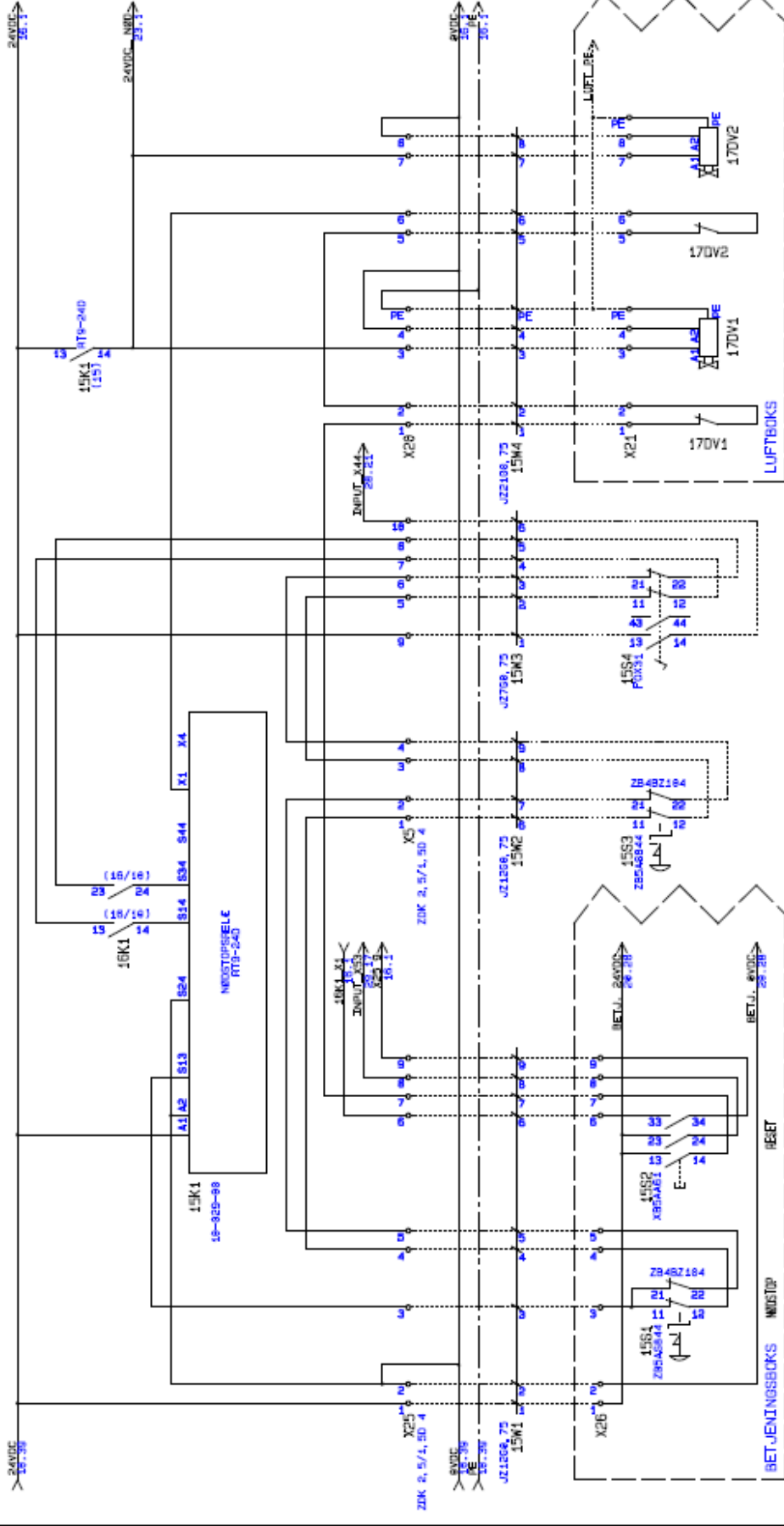
CONTROL VOLTAGE  
24VDC

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Client: JASPOELS  
 Project title: PELSROBOT 2011  
 Case name: CIRCUIT SCHEME  
 Page title: CONTROL VOLTAGE 24VDC

Constructor: JOE  
 Approved: 2011-JAP-01  
 Drawing no. 31-08-2011  
 Created: 19-10-2011 21:38:02  
 Revision: 10 of 66  
 Page: 15  
 Next page:



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39																						
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	Case name:	CIRCUIT SCHEME	Drawing no.:	31-08-2011	
	Page title:	EMERGENCY STOP	Created:		
Last printed:		19-10-2011 21:38:02		Revision:	15 of 66
Page:		16		Next page:	16

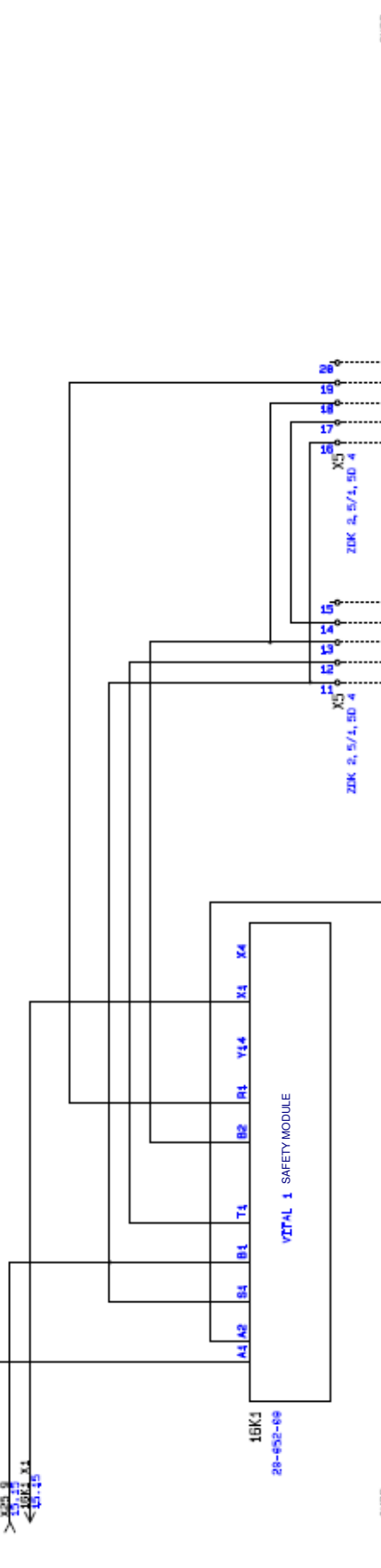


24VDC  
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24VDC  
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16K1  
28-632-69

16K1  
28-632-69



24VDC  
157.25

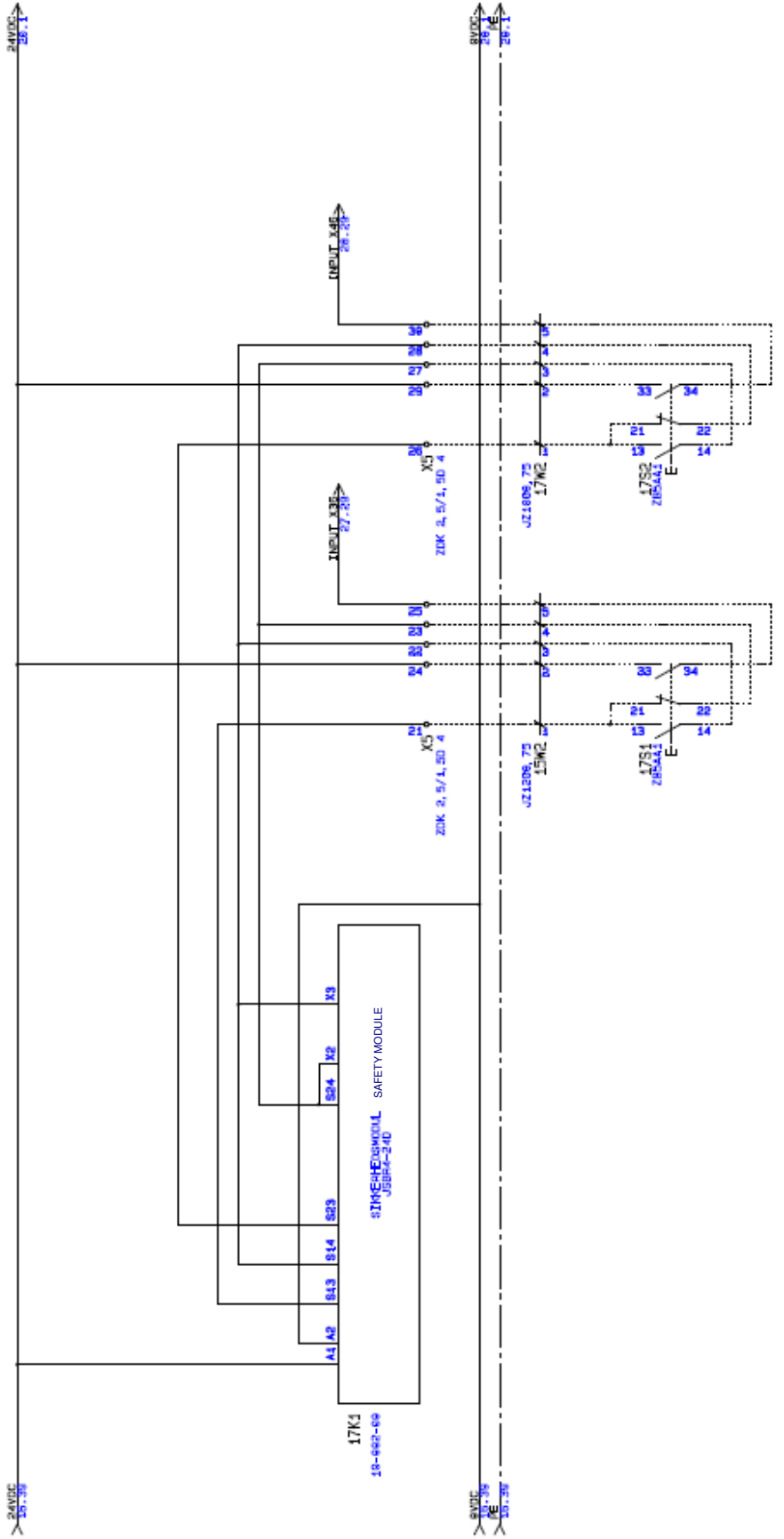
24VDC  
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- 1 2 3 4 5 6 7 8
- 1-GREY
- 2-BLACK
- 3-BLUE
- 4-BLA
- 5-HVD
- 6-WHITE
- 7-BROWN
- 8-BRUN

- SAFETY SENSOR 1
- SAFETY SENSOR 2

	Client: JASPOELS Project title: PELSROBOT 2011 Case name: CIRCUIT SCHEME Page title: EMERGENCY STOP, SAFETY SENSORS 1 AND 2	Constructor: JOE Approved: 2011-JAP-01 Drawing no. 31-08-2011 Created:	Last printed: 19-10-2011 21:38:02 Revision: 16 of 66 Page: 17 Next page:
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287/34

2-HAND PRESSURE LEFT

2-HAND PRESSURE RIGHT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
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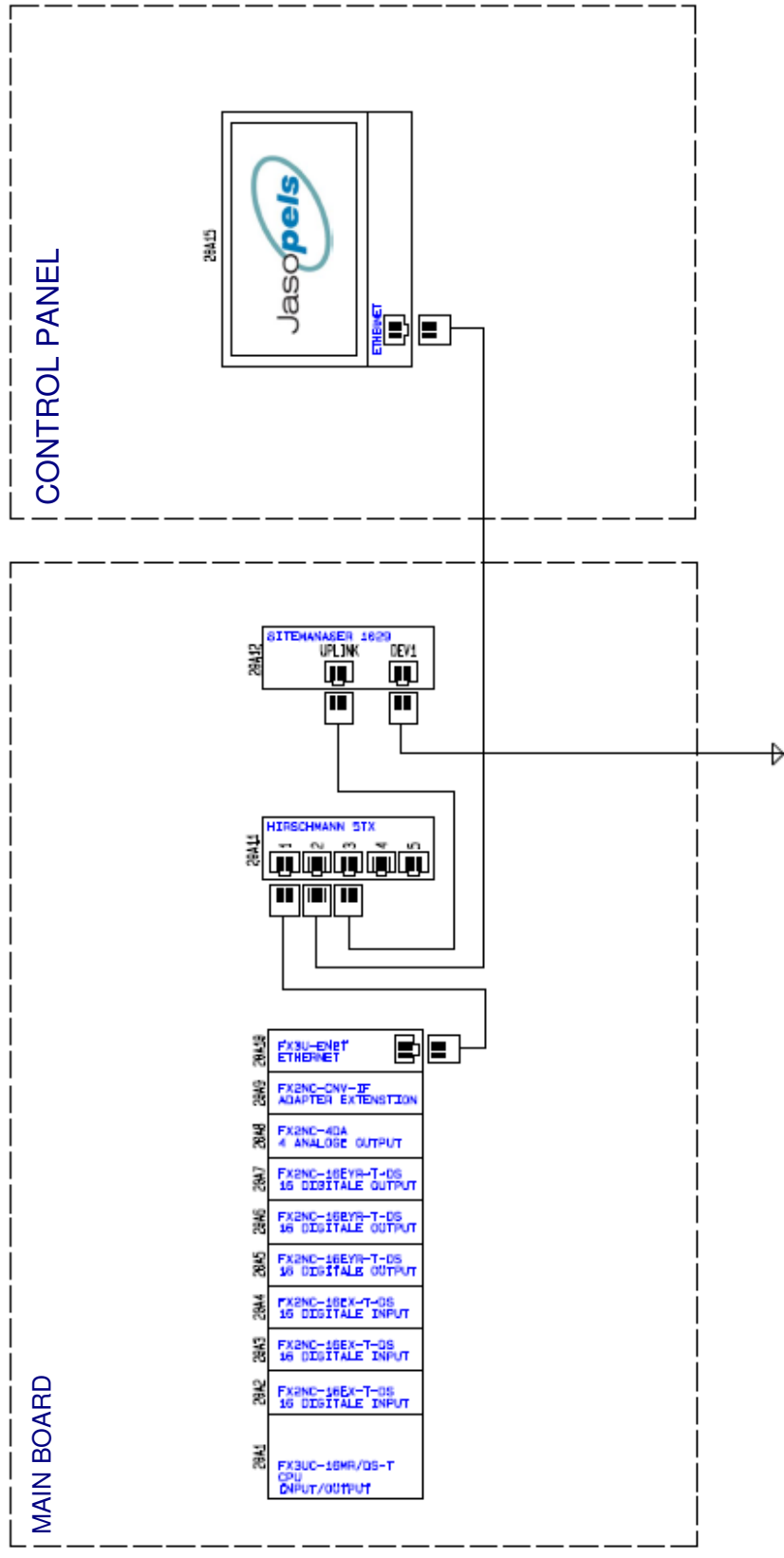


Client: JASPOELS  
 Project title: PELSROBOT 2011  
 Case name: CIRCUIT SCHEME  
 Page title: EMERGENCY STOP, 2-HAND PRESSURE RIGHT AND LEFT

Constructor: JOE  
 Approved: 2011-JAP-01  
 Drawing no. 31-08-2011  
 Created:

Last printed: 19-20-1011 21:38:02  
 Revision:  
 Page: 17 of 66  
 Next page: 19

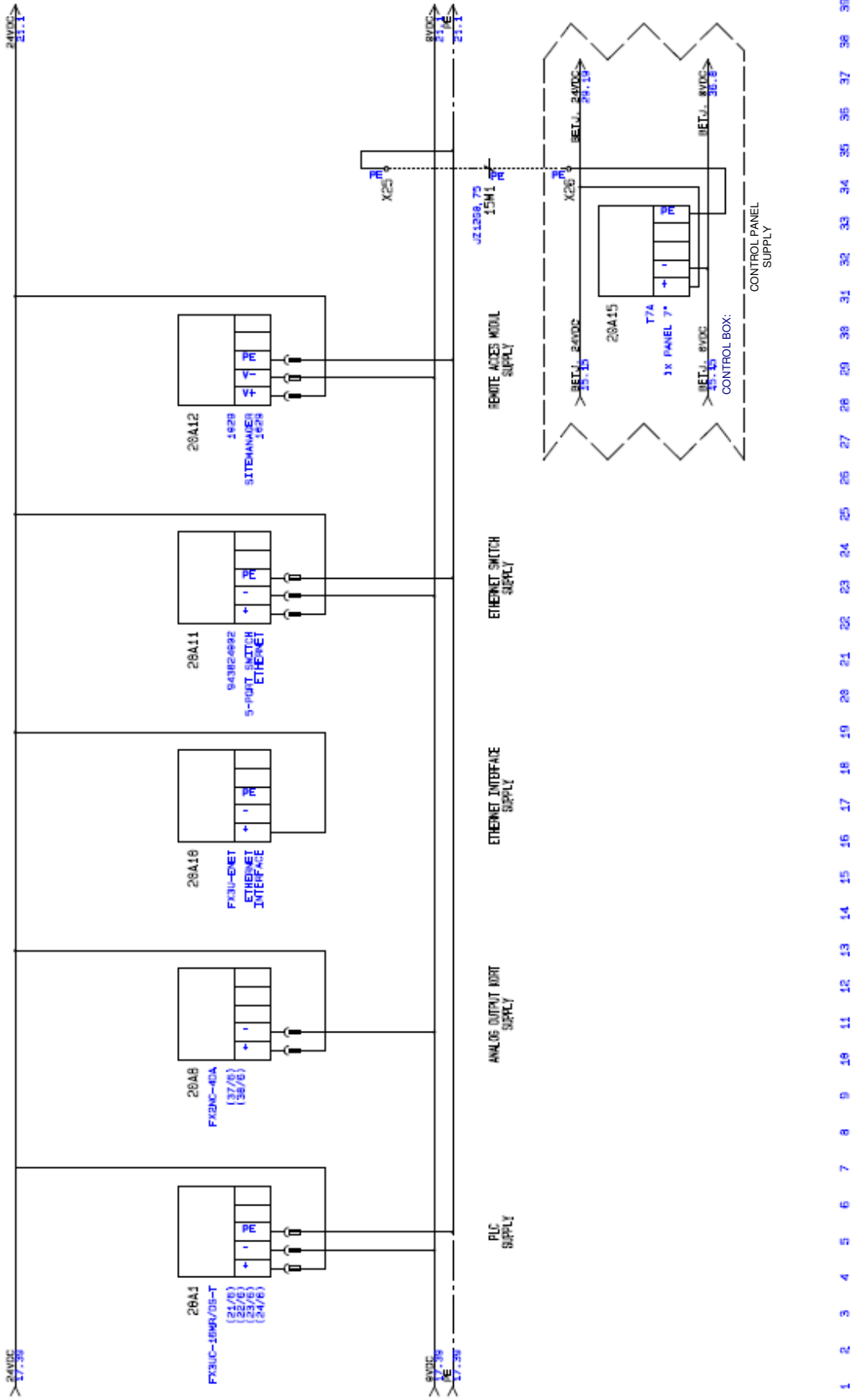
# ETHERNET COMMUNICATION PLC SET-UP



EXTERNAL HOOK-UP

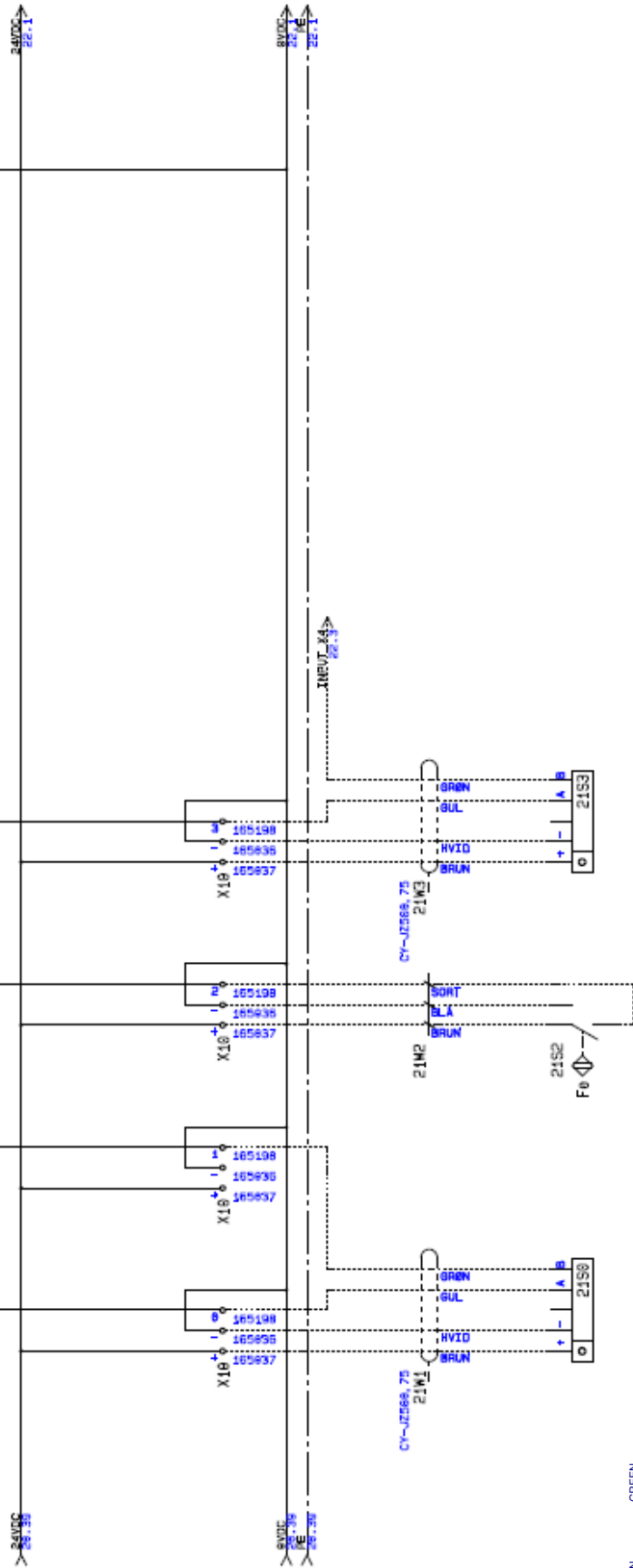
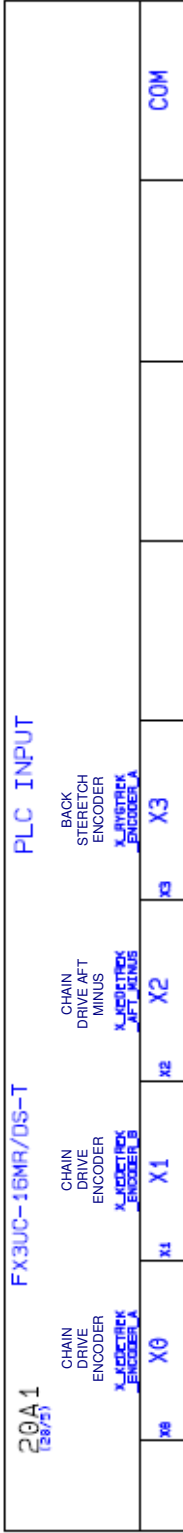
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	Client: JASPOELS	Constructor: JOE	Last printed: 19-10-2011 21:38:02
	Project title: PELSROBOT 2011	Approved: 2011-JAP-01	Revision: 19 of 66
	Case name: CIRCUIT SCHEME	Created: 31-08-2011	Page: 20
	Page title: PLC SETUP AND ETHERNET COMMUNICATION		Next page: 20



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
<p>Client: JASPOELS                  Project title: PELSROBOT 2011                  Case name: CIRCUIT SCHEME                  Page title: PLC, ANALOGUE CARD, ETHERNET SWITCH, REMOTE ACCESS, OPERATION PANEL</p>																																						
<p>Constructor: JOE                  Approved: 2011-JAP-01                  Drawing no. 31-08-2011                  Created: 31-08-2011</p>																																						
<p>Last printed: 19-10-2011 21:38:02                  Revision: 20 of 66                  Page: 21                  Next page: 21</p>																																						

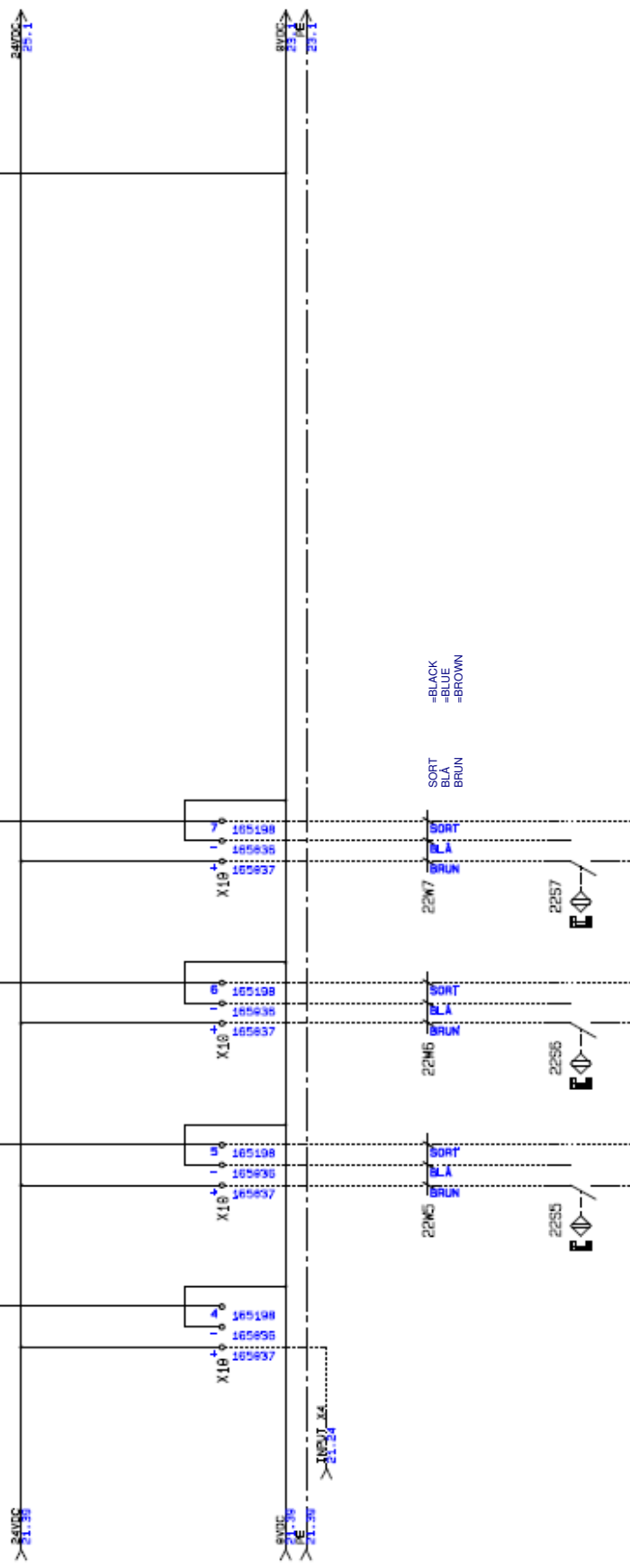
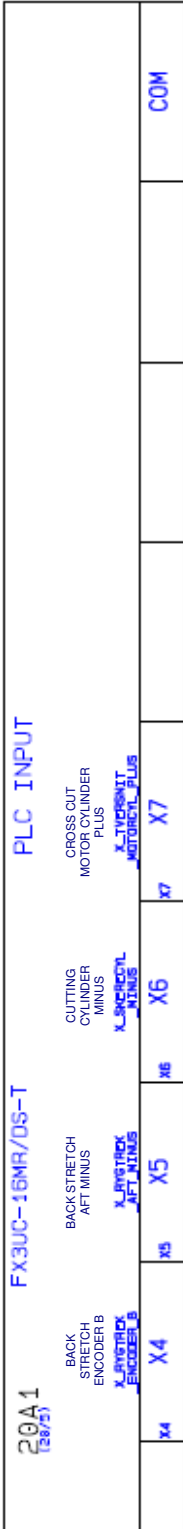




- GREEN GRN
- YELLOW YEL
- GREY GRA
- BLACK BLA
- BLUE BLU
- WHITE HWD
- BROWN BRN

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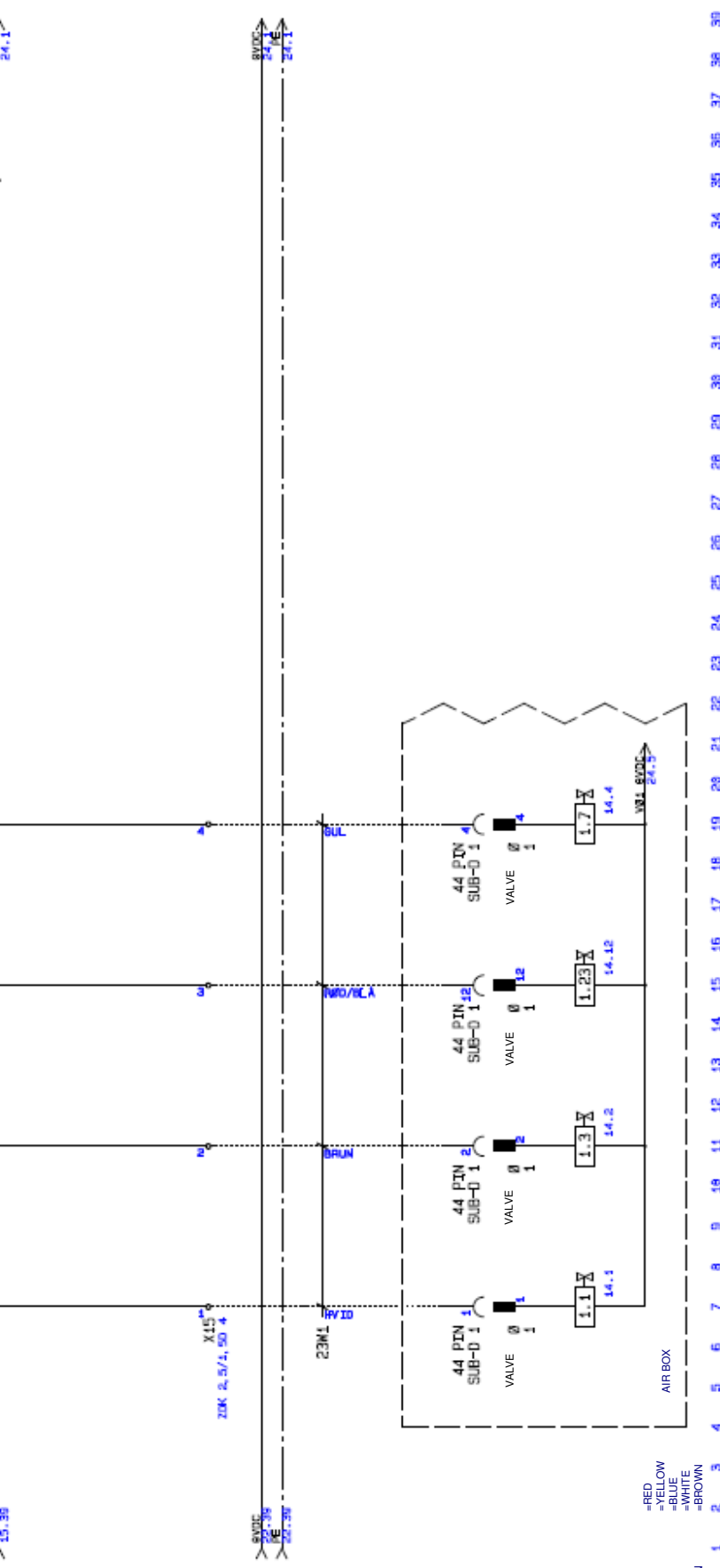
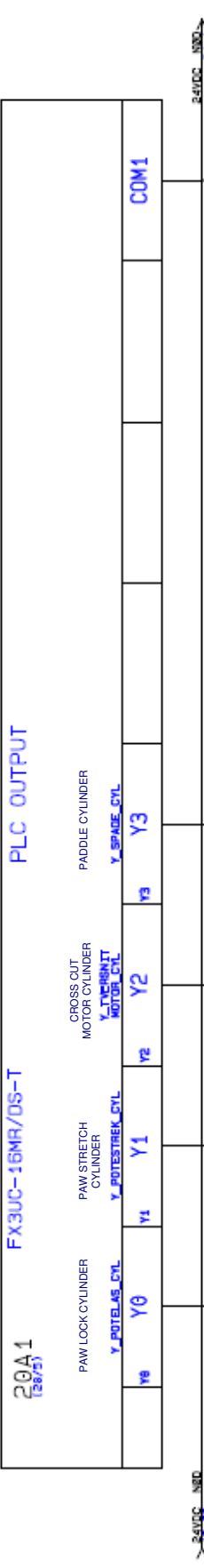
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	Project title: PELSROBOT 2011	Approved: 2011-JAP-01	Revision: Page: 21 of 66
	Case name: CIRCUIT SCHEME	Created: 31-08-2011	Next page: 22



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	Project title: PLSROBOT 2011	Approved: Drawing no. 2011-JAP-01	Revision: 19-10-2011 21:38:02
Case name: CIRCUIT SCHEME	Created: 31-08-2011	Page: 22 of 66	
Page title: INPUT CARD 20A1-X4-X7		Next page: 23	

### FX3UC-16MR/DS-T PLC OUTPUT



Client: JASPOELS

Project title: PELSROBOT 2011

Case name: CIRCUIT SCHEME

Page title: OUTPUT CARD 20A1-Y0-Y3

Constructor: JOE

Approved: 2011-JAP-01

Drawing no. 31-08-2011

Created:

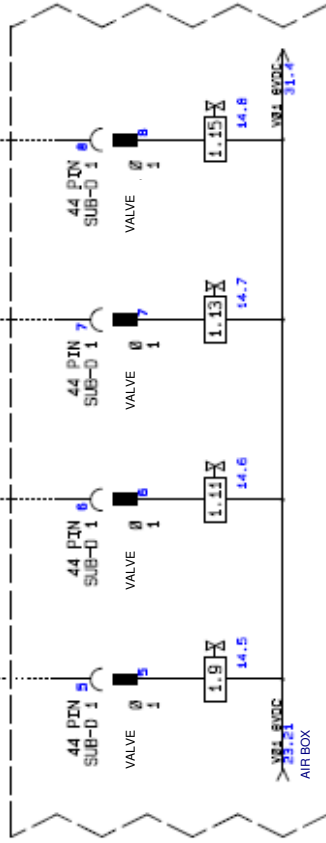
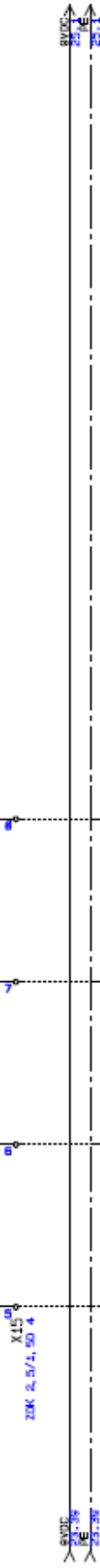
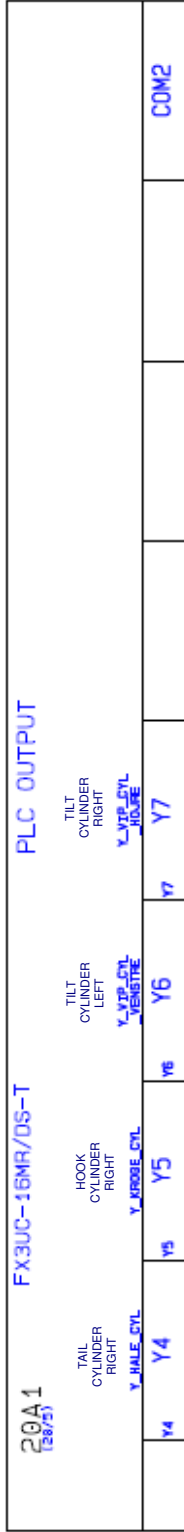
Last printed: 19-10-2011 21:38:02

Revision: 25 of 66

Page: 24

Next page:





ROD  
GRA  
PNK  
BLA

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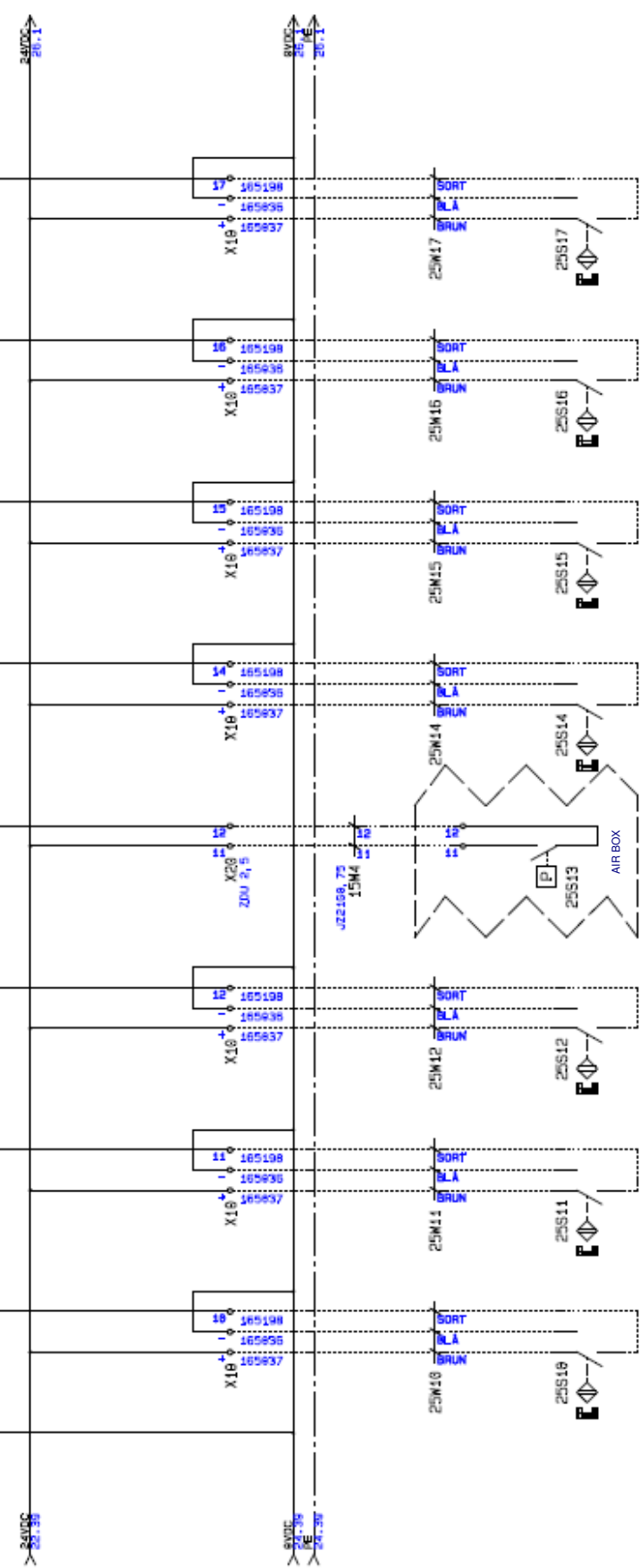
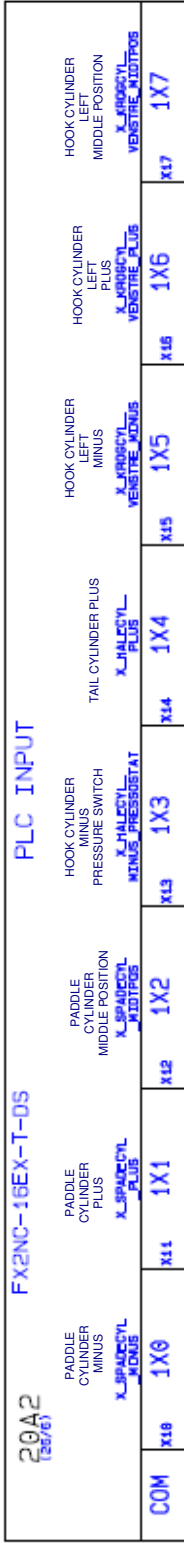
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Case name: CIRCUIT SCHEME  
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Constructor: JOE  
Approved: 2011-JAP-01  
Drawing no. 31-08-2011

Last printed: 19-10-2011 21:38:02  
Revision: 24 of 66  
Page: 25  
Next page:

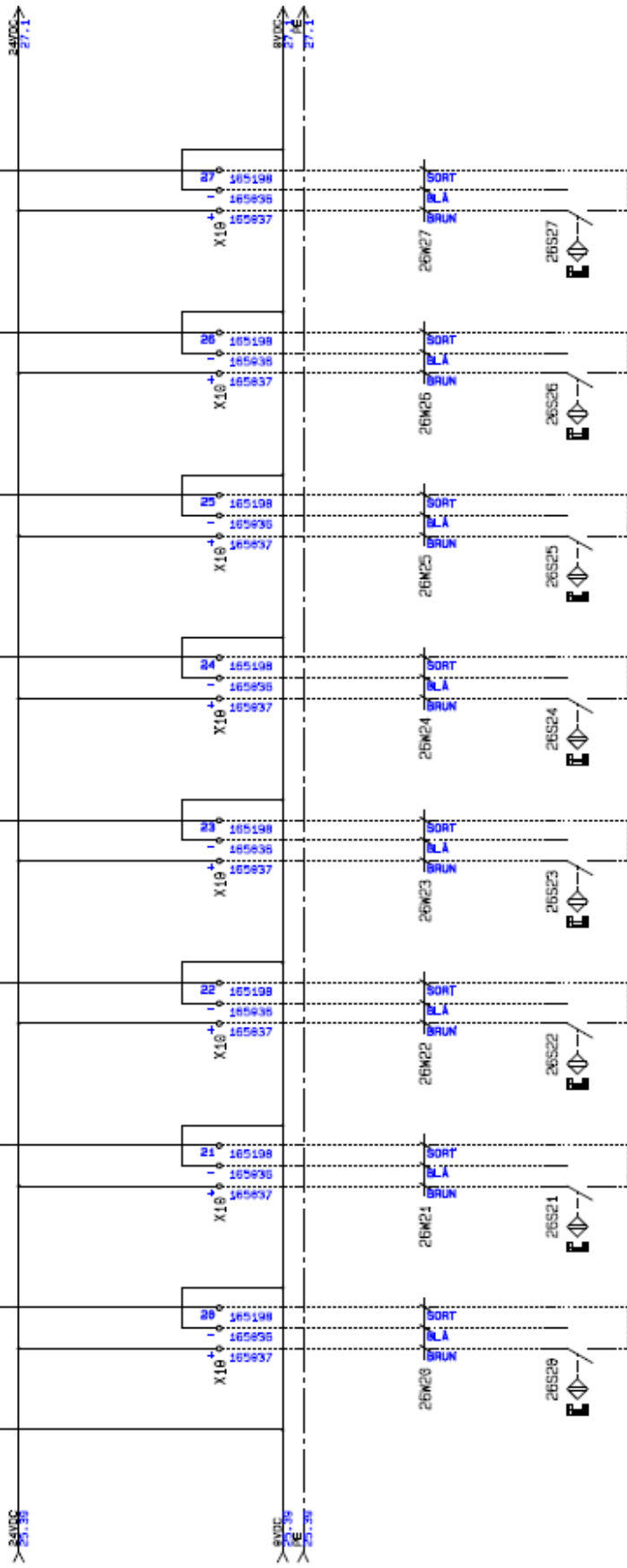
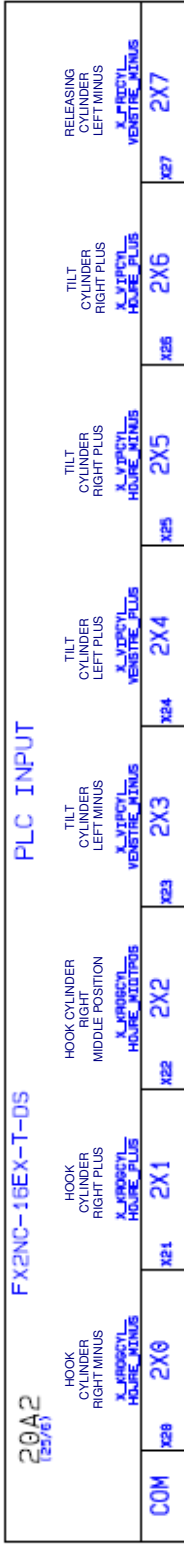






SORT = BLACK  
 BLA = BLUE  
 BRUN = BROWN





SORT  
BLA  
BRUN

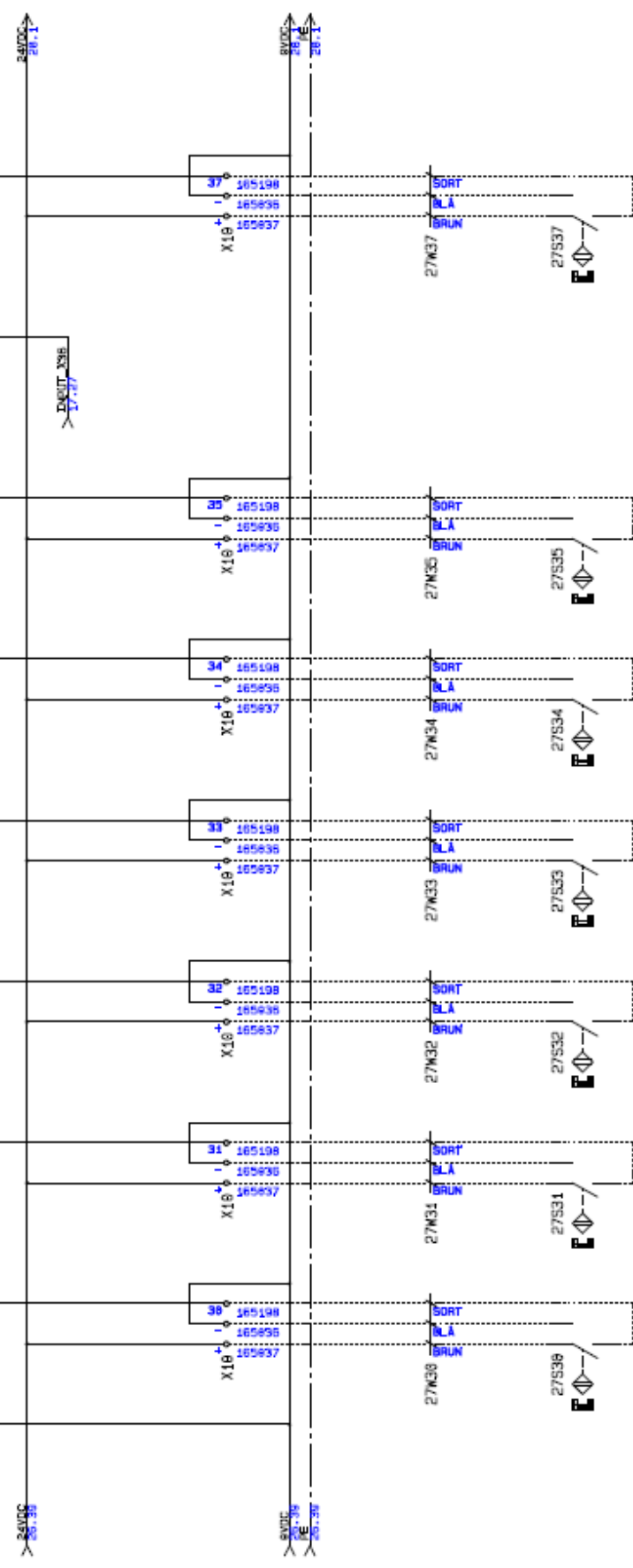
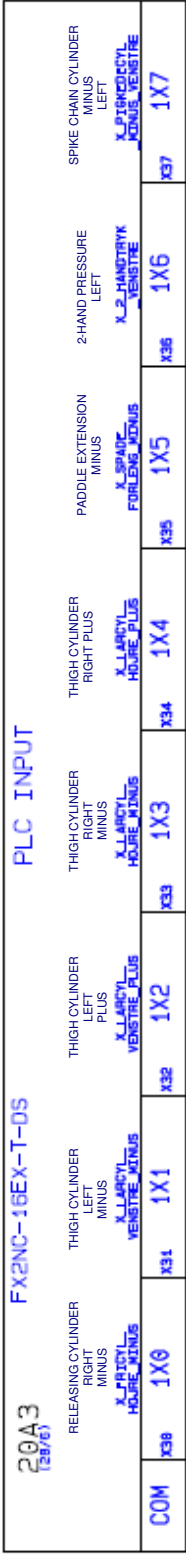
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Project title: PELSROBOT 2011  
Case name: CIRCUIT SCHEME  
Page title: INPUT CARD 20A2-X20-X27

Constructor: JOE  
Approved: 2011-JAP-01  
Drawing no. 31-08-2011  
Created:

Last printed: 19-10-2011 21:38:02  
Revision:  
Page: 26 of 66  
Next page: 27



SORT -BLACK  
BLA -BLUE  
BRUN -BROWN

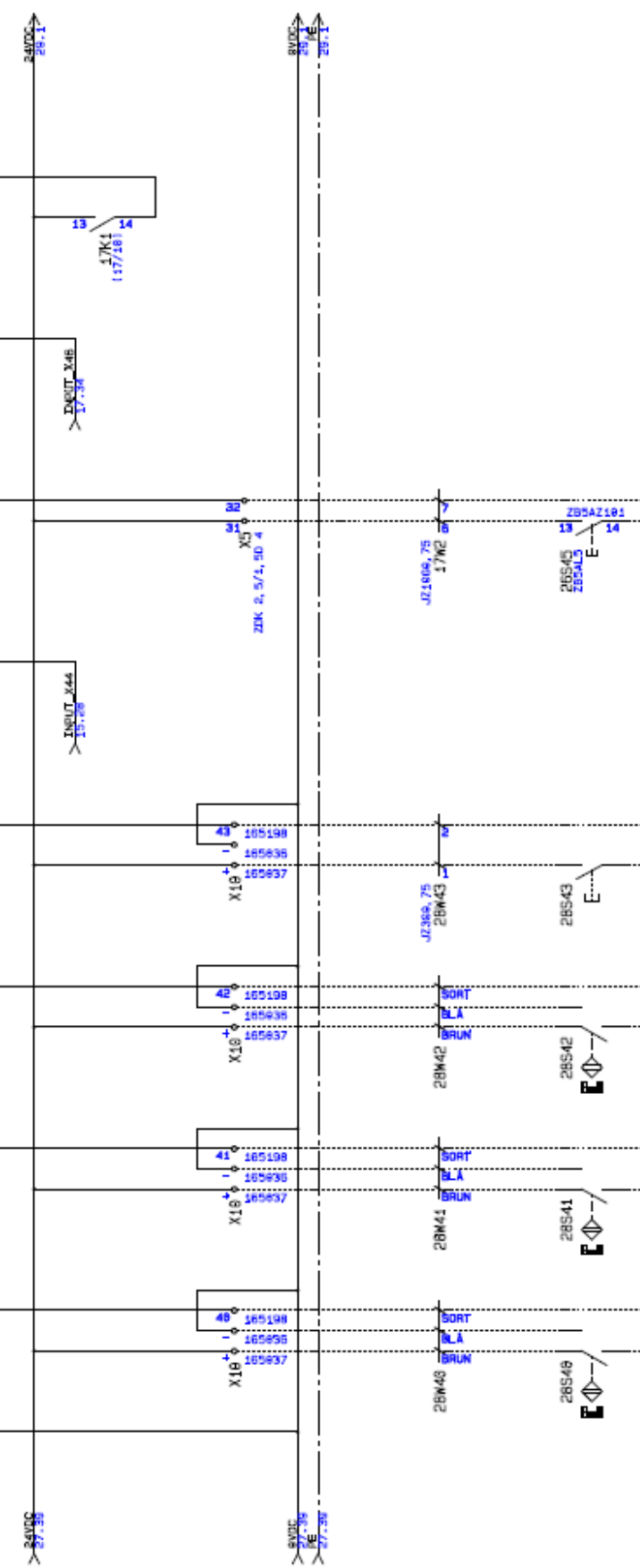
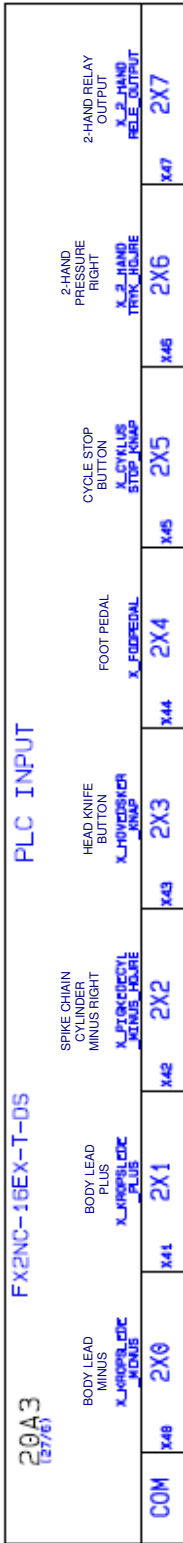


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Client: JASPOELS  
Project title: PELSROBOT 2011  
Case name: CIRCUIT SCHEME  
Page title: INPUT CARD 20A3-X30-X37

Constructor: JOE  
Approved: 2011-JAP-01  
Drawing no. 31-08-2011

Last printed: 19-10-2011 21:38:02  
Revision: 27 of 66  
Page: 28  
Next page: 28



SORT  
BLA  
BRUN

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

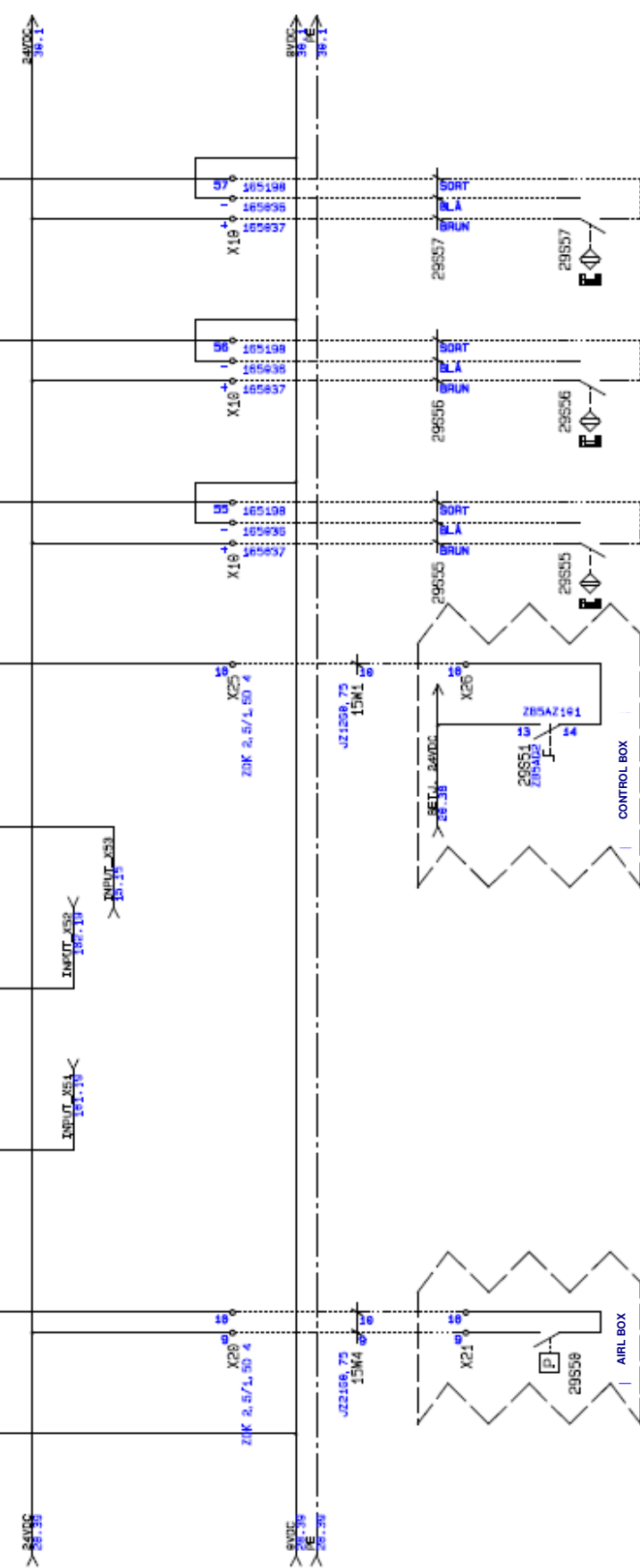


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Case name: CIRCUIT SCHEME  
Page title: INPUT CARD 20A3-X40-X47

Constructor: JOE  
Approved: 2011-JAP-01  
Drawing no. 31-08-2011  
Created: 29

Last printed: 19-10-2011 21:35:02  
Revision: 28 of 66  
Page: 28 of 66  
Next page: 29

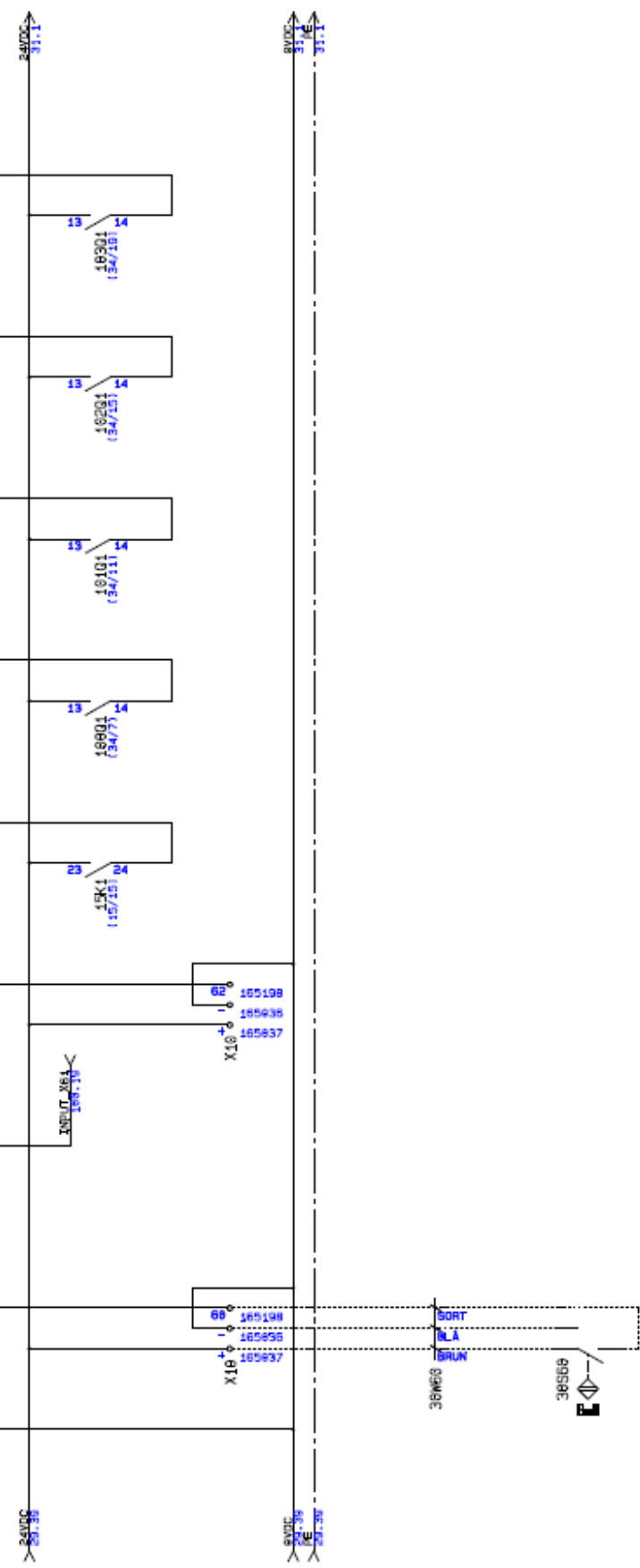
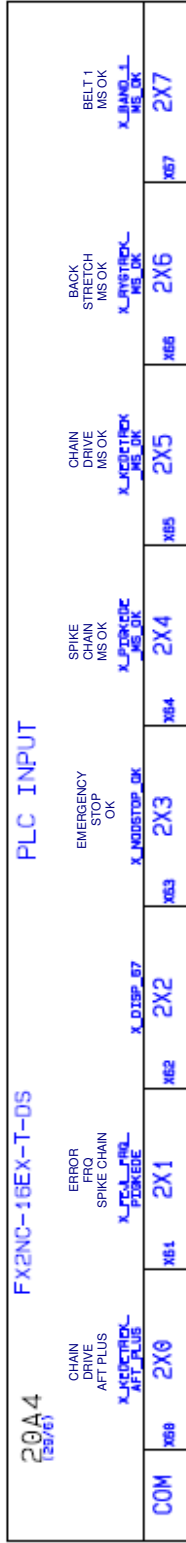
20A4 (38/61)		FX2NC-16EX-T-0S		PLC INPUT		BODY ARM CYLINDER MINUS				
COM	X08	X09	X10	X11	X12	X13	X14	X15	X16	X17
	COMPRESSED AIR OK	ERROR FRQ CHAIN DRIVE	ERROR FRQ BACK STRETCH	RESET BUTTON	OPERATION CONVERTER	CUTTING CYLINDER PLUS	BACK STRETCH AFT PLUS			
	X09OK LUP1OK	X11FRQ JEBETBK	X12FRQ JRETRBK	X13RST JRSPT	X14OPRT OBSOP1B	X15CUT CUTPLUS	X16AST ASTPLUS			X17ARM CILMINUS



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

Legend:  
 -BLACK  
 -BLUE  
 -BROWN





1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

-BLACK  
 -BLUE  
 -BROWN  
 -BRUN

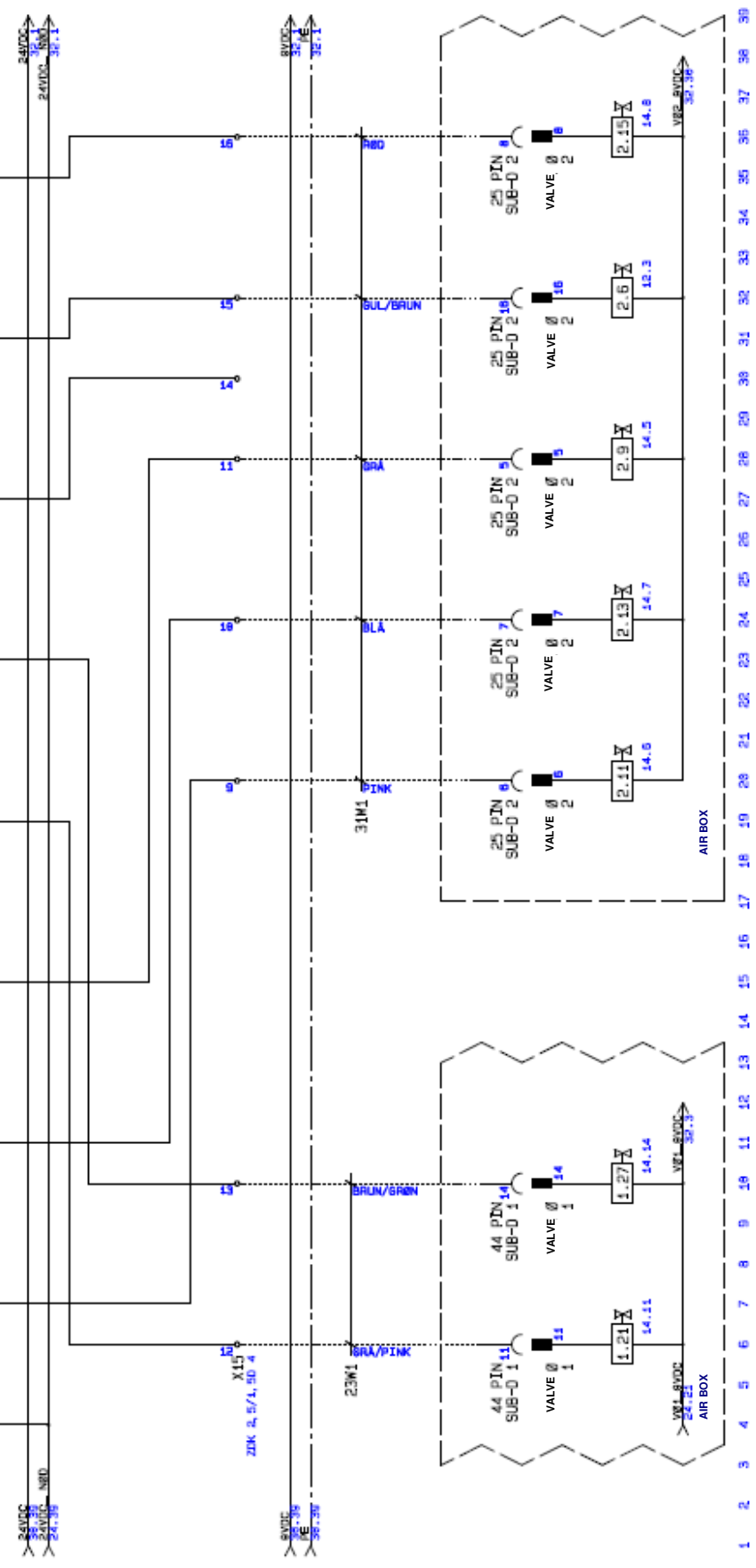


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 Case name: CIRCUIT SCHEME  
 Page title: INPUT CARD 20A4-X60-X67

Constructor: JOE  
 Approved: 2011-JAP-01  
 Drawing no. 31-08-2011  
 Created:

Last printed: 19-10-2011 21:38:03  
 Revision: 30 of 66  
 Page: 31  
 Next page:

20A5 (32/6)		FX2NC-16EYR-T-0S		PLC OUTPUT						
RELEASING CYLINDER PLUS Y_1P00R_0A5_0L	COM 1	Y10	Y11	Y12	Y13	Y14	Y15	Y16	Y17	Y18
BODY LOCK CYLINDER Y_1P00R_0A5_0L	1Y0	1Y1	1Y2	1Y3	1Y4	1Y5	1Y6	1Y7	1Y8	1Y9
SPIKE CHAIN CYLINDER Y_1P100R_0A5_0L										
SKIN LOCK CYLINDER Y_1P200R_0A5_0L										
THIGH CYLINDER Y_1P300R_0A5_0L										
HEAD KNIFE MOTOR Y_1P400R_0A5_0L										
BODY STRETCH LEAD Y_1P500R_0A5_0L										

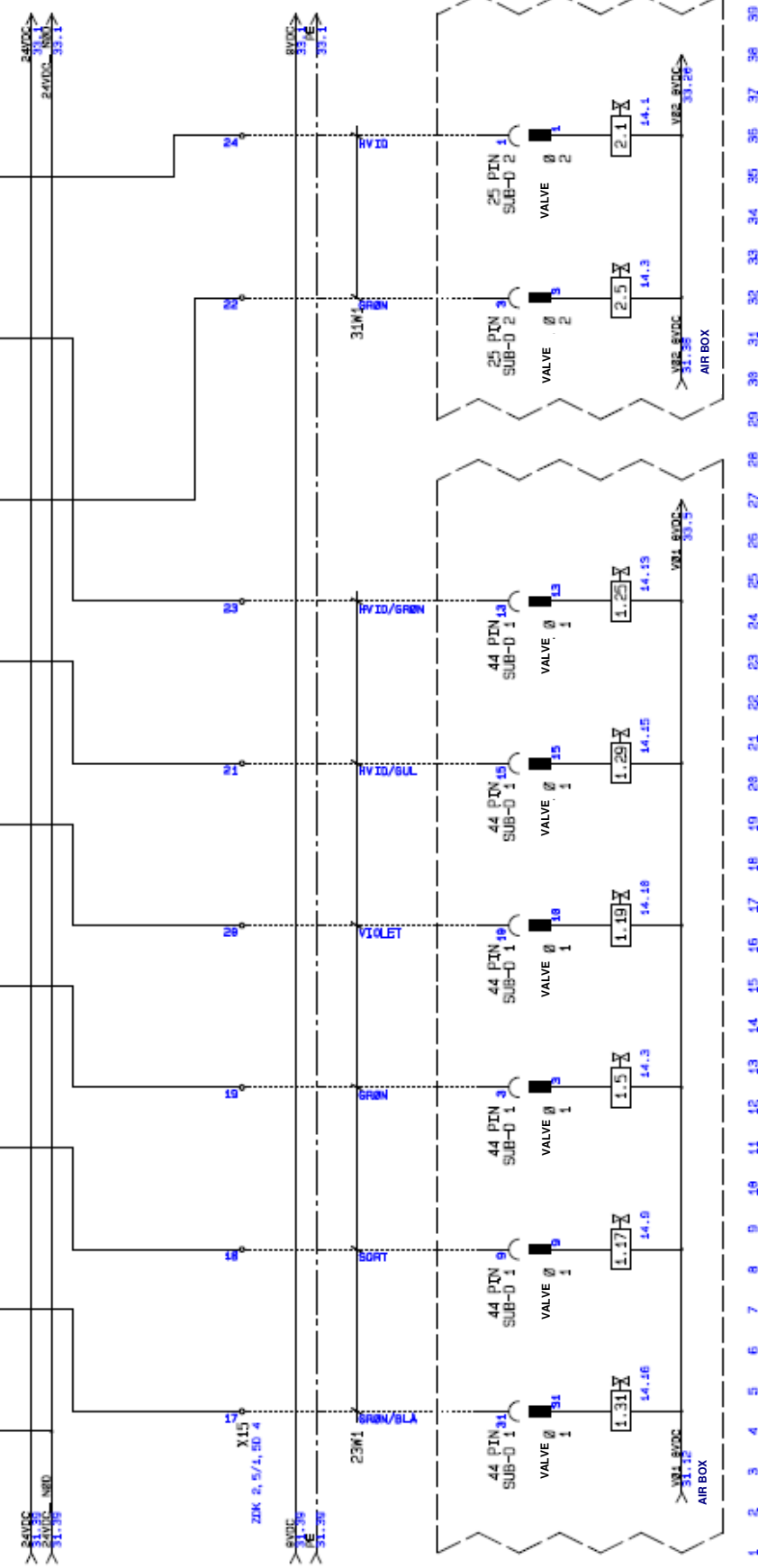


- RED
- YELLOW
- BROWN
- BLACK
- GREY
- BLUE
- PINK
- GREEN

	Client: JASPOELS	Constructor: JOE
	Project title: PELSROBOT 2011	Approved: 2011-JAP-01
Case name: CIRCUIT SCHEME	Drawing no. 31-08-2011	Page: 31 of 66
Page title: OUTPUT CARD 20A5-Y104-Y17	Created: 31-08-2011	Next page: 32

Last printed: 19-10-2011 21:38:03

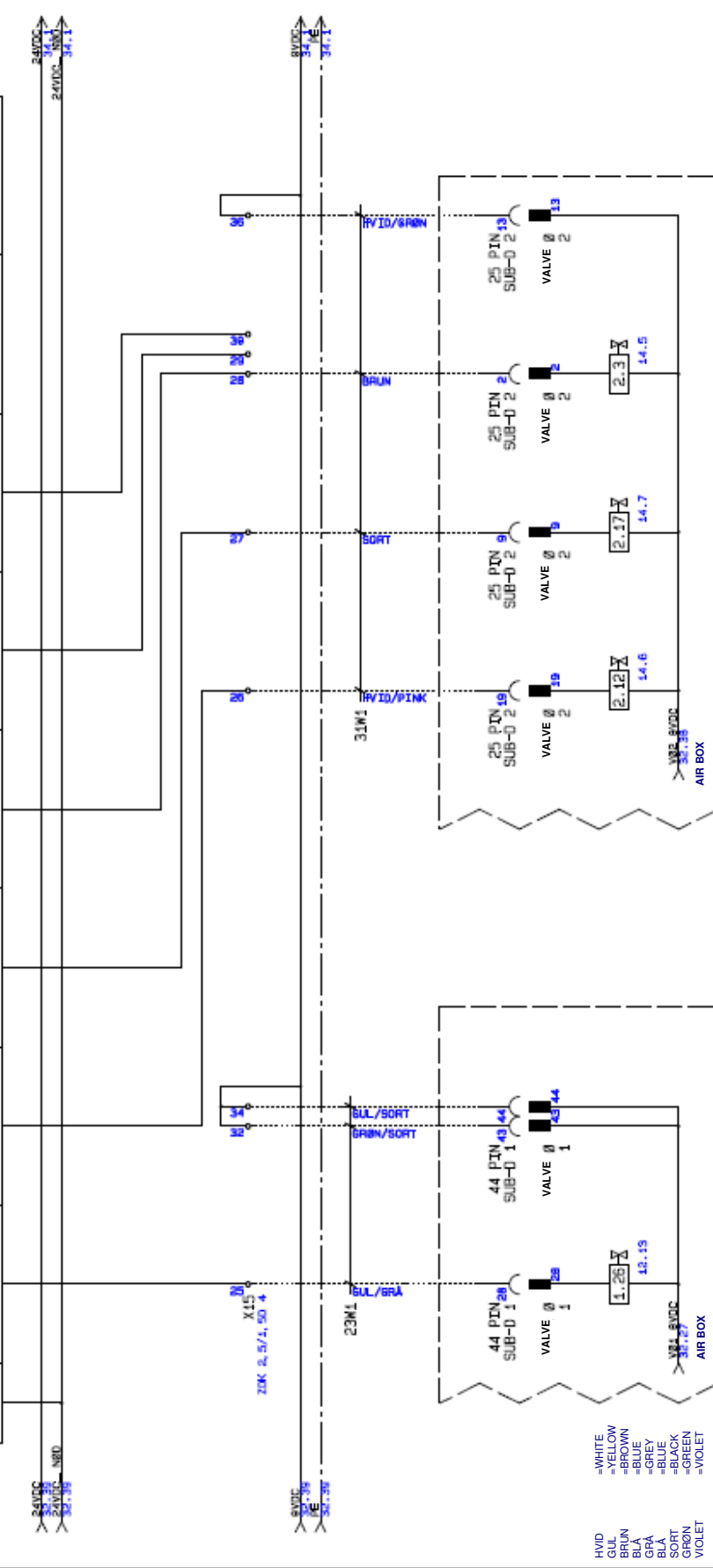
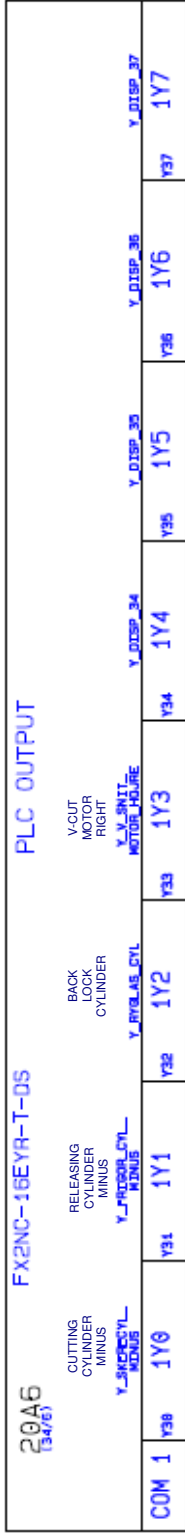
20A5 (31/6)		FX2NC-16EYR-T-0S										PLC OUTPUT											
THIGH SUPPORT CYLINDER Y_A18701- G1L	Y28	2Y0	PADDLE EXTENSION CYLINDER Y_A18701- G1L	Y21	2Y1	PAW LIFT CYLINDER Y_P02111- G1L	Y22	2Y2	PAW CUT CYLINDER Y_P02111- G1L	Y23	2Y3	BODY ARM CYLINDER Y_A18701- G1L	Y24	2Y4	CROSS CUT MOTOR Y_A18701- MOTOR	Y25	2Y5	CUTTING CYLINDER PLUS Y_A18701- PLUS	Y26	2Y6	V-CUT MOTOR Y_A18701- MOTOR	Y27	2Y7
COM 2	Y29	2Y0	Y21	2Y2	2Y3	Y24	Y25	2Y6	Y27	Y28	2Y9	Y30	2Y10	Y31	2Y11	Y32	2Y12	Y33	2Y13	Y34	2Y14	Y35	2Y15



- WHITE
- YELLOW
- BROWN
- BLUE
- GREY
- BLUE
- BLACK
- GREEN
- VIOLET







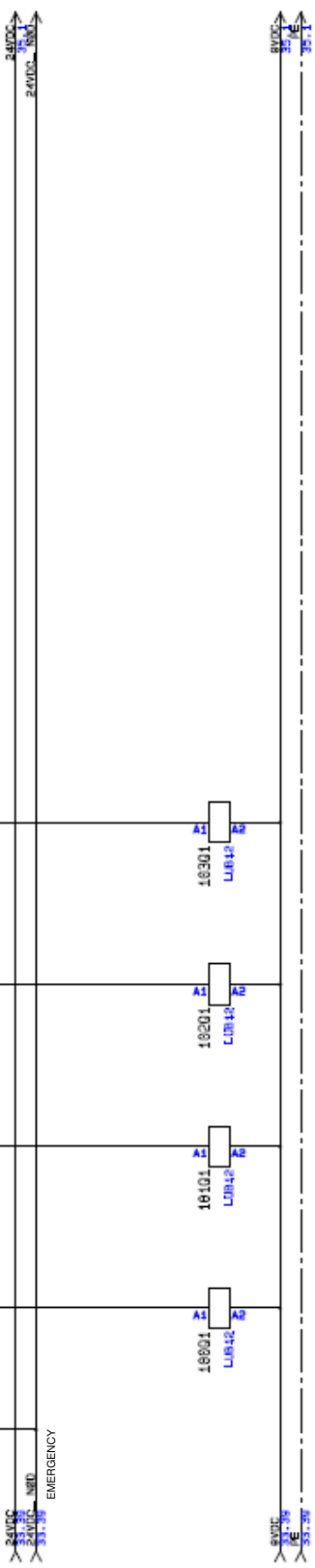
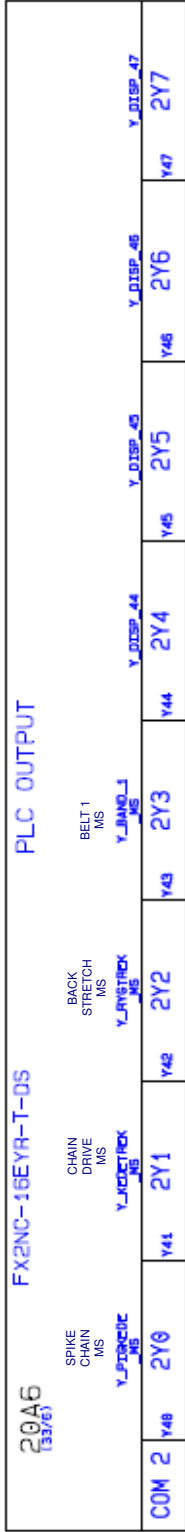
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Client: JASPOELS  
 Project title: PELSROBOT 2011  
 Case name: CIRCUIT SCHEME  
 Output card: 20A6-Y30-Y37

Constructor: JOE  
 Approved: 2011-JAP-01  
 Drawing no. 31-08-2011  
 Created: 31-08-2011

Last printed: 19-10-2011 21:38:03  
 Revision: 33 of 66  
 Page: 34  
 Next page:



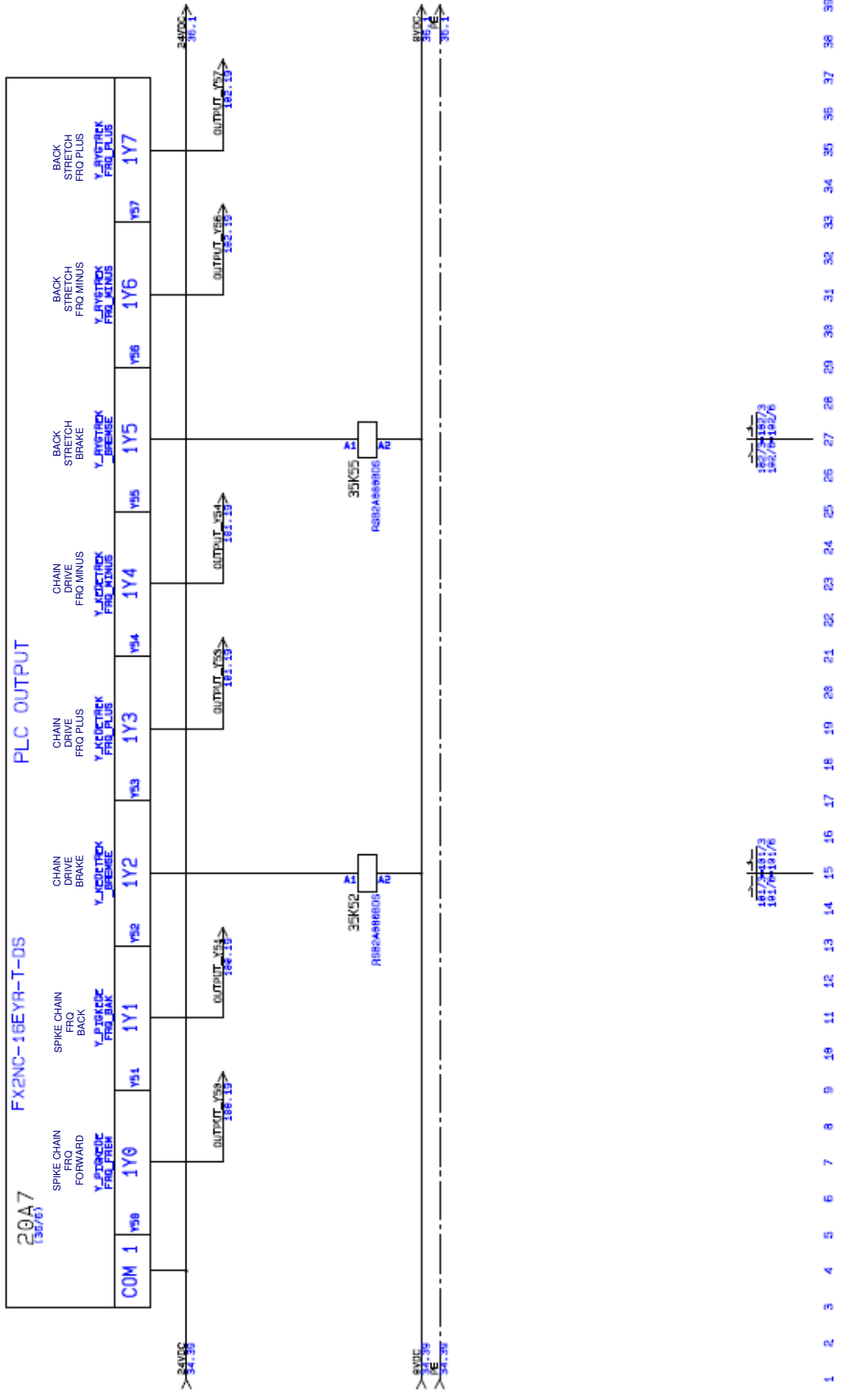
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 Case name: CIRCUIT SCHEME  
 Page title: OUTPUT CARD 20A6-Y40-Y47

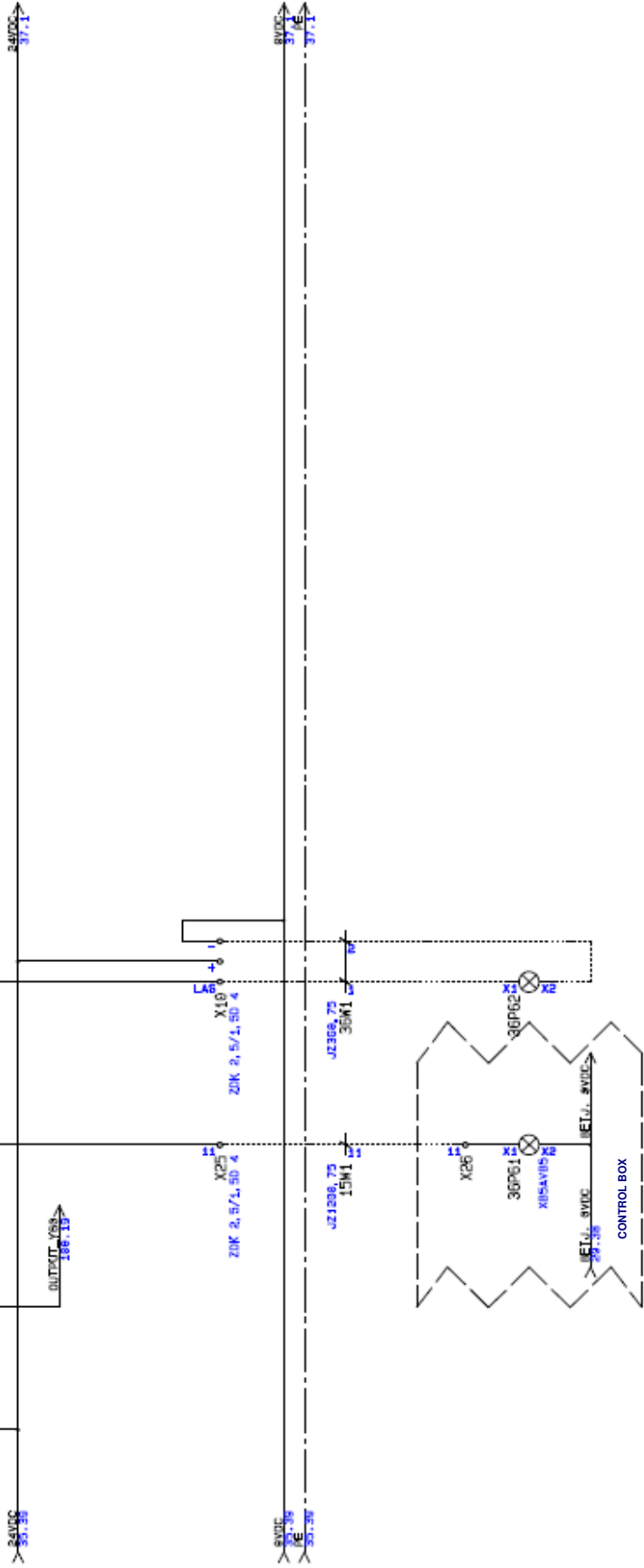
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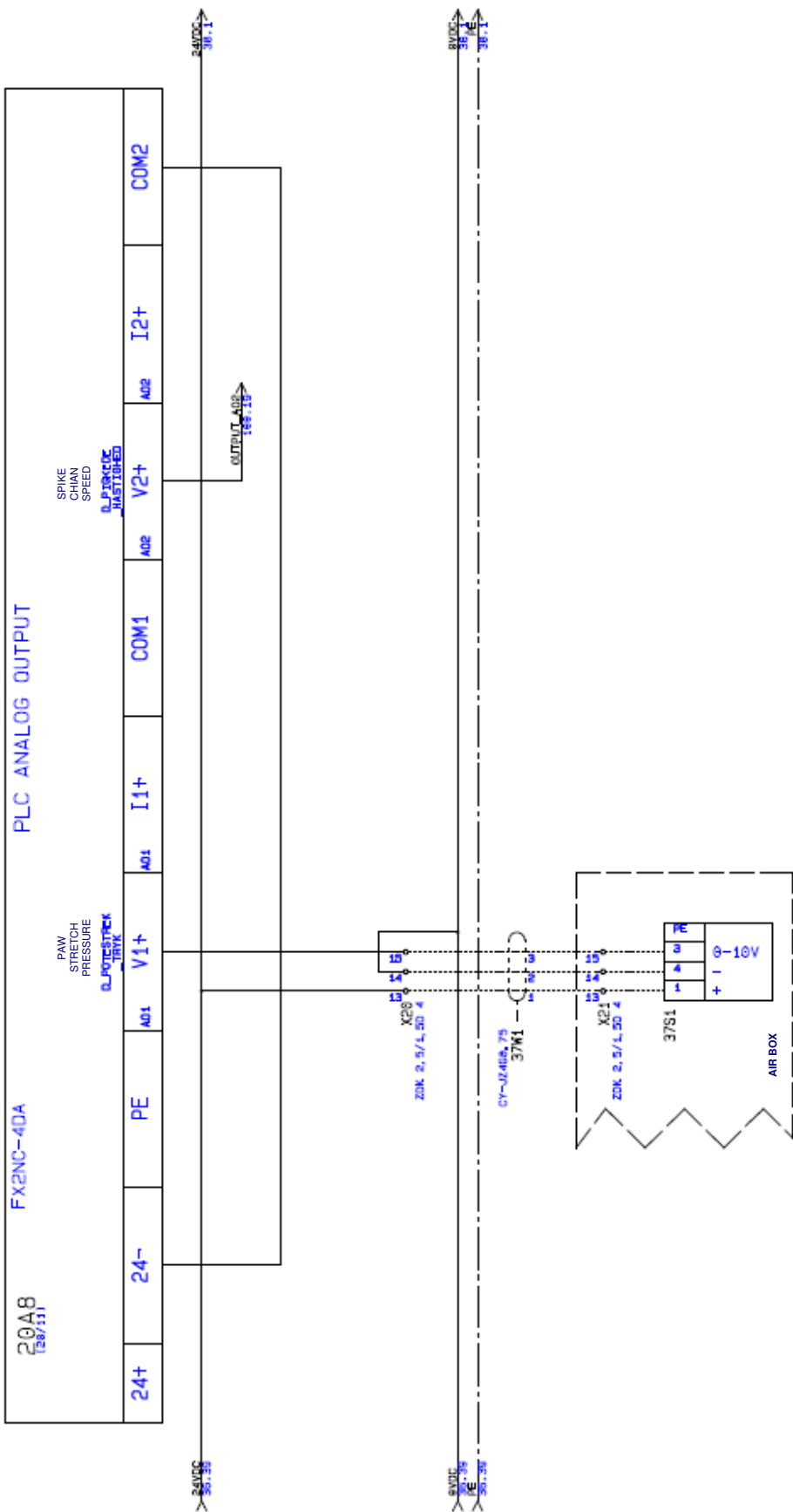
Last printed: 19-10-2011 21:38:03  
 Revision: 34 of 66  
 Page: 34 of 66  
 Next page: 35



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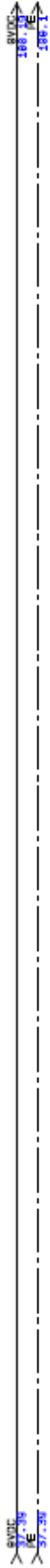
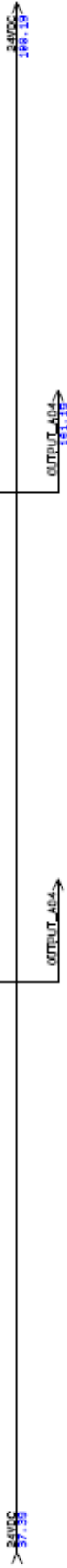
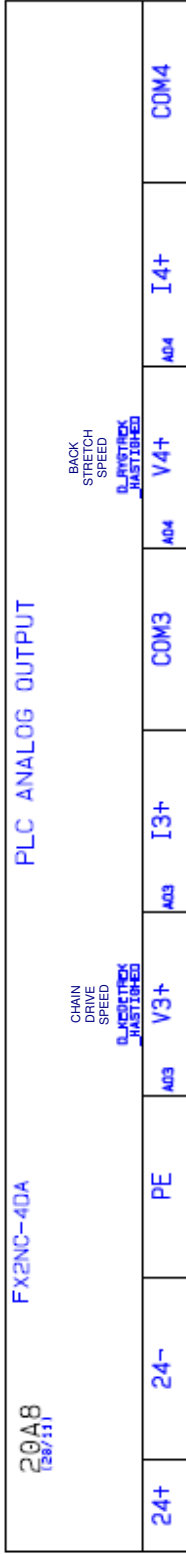






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	Case name:	CIRCUIT SCHEME	Drawing no.:	2011-JAP-01	Page:	37 of 66
	Page title:	ANALOGUE OUTPUT CARD 20A8-A01-A02	Created:	31-08-2011	Next page:	38



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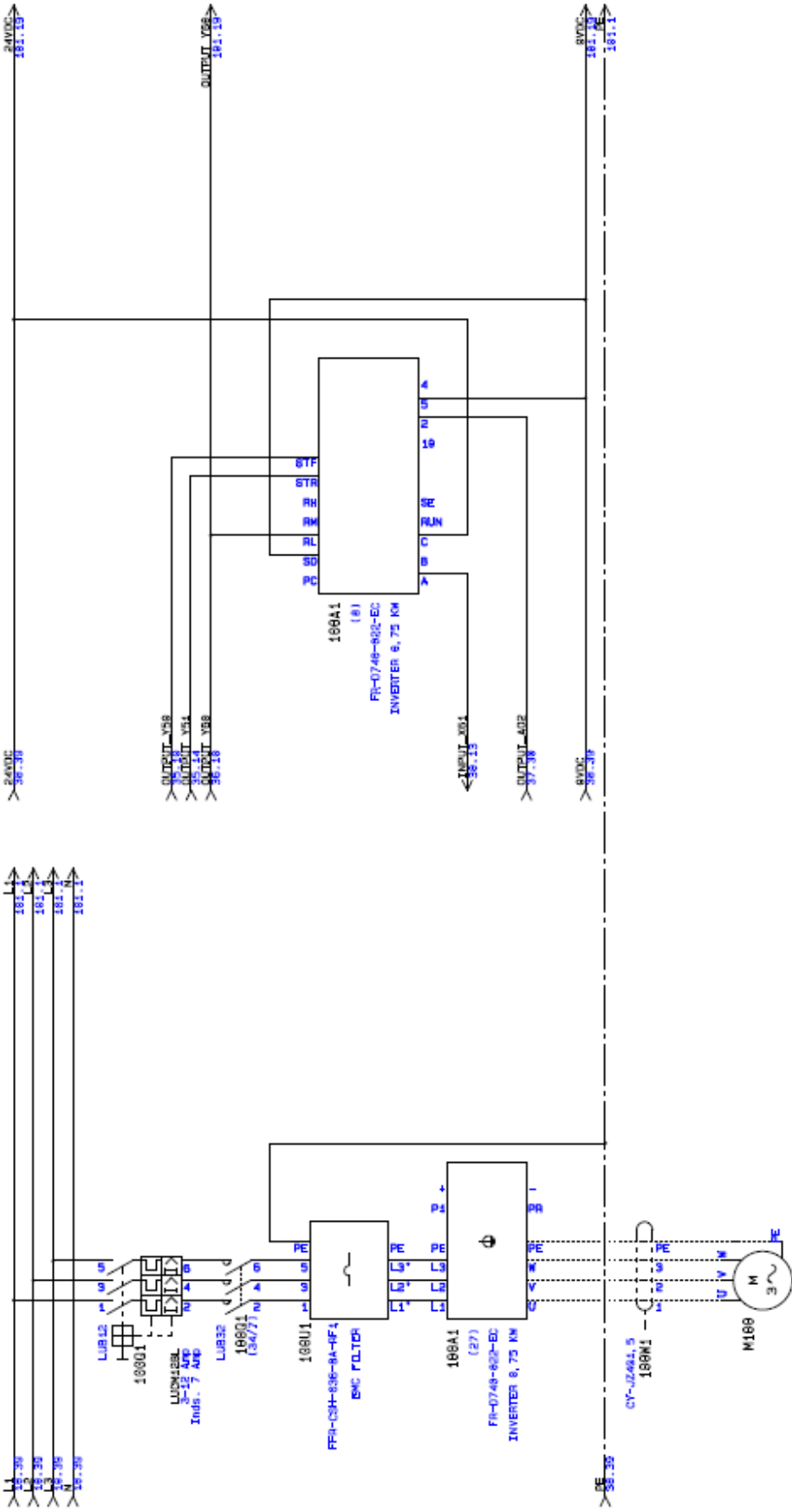


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 Page title: OUTPUT CARD 20A8-A03-A04

Constructor: JOE  
 Approved: 2011-JAP-01  
 Drawing no. 31-08-2011

Last printed: 19-10-2011 21:38:03  
 Revision: 38 of 66  
 Page: 38 of 66  
 Next page: MAIN POWER

***MAIN POWER***

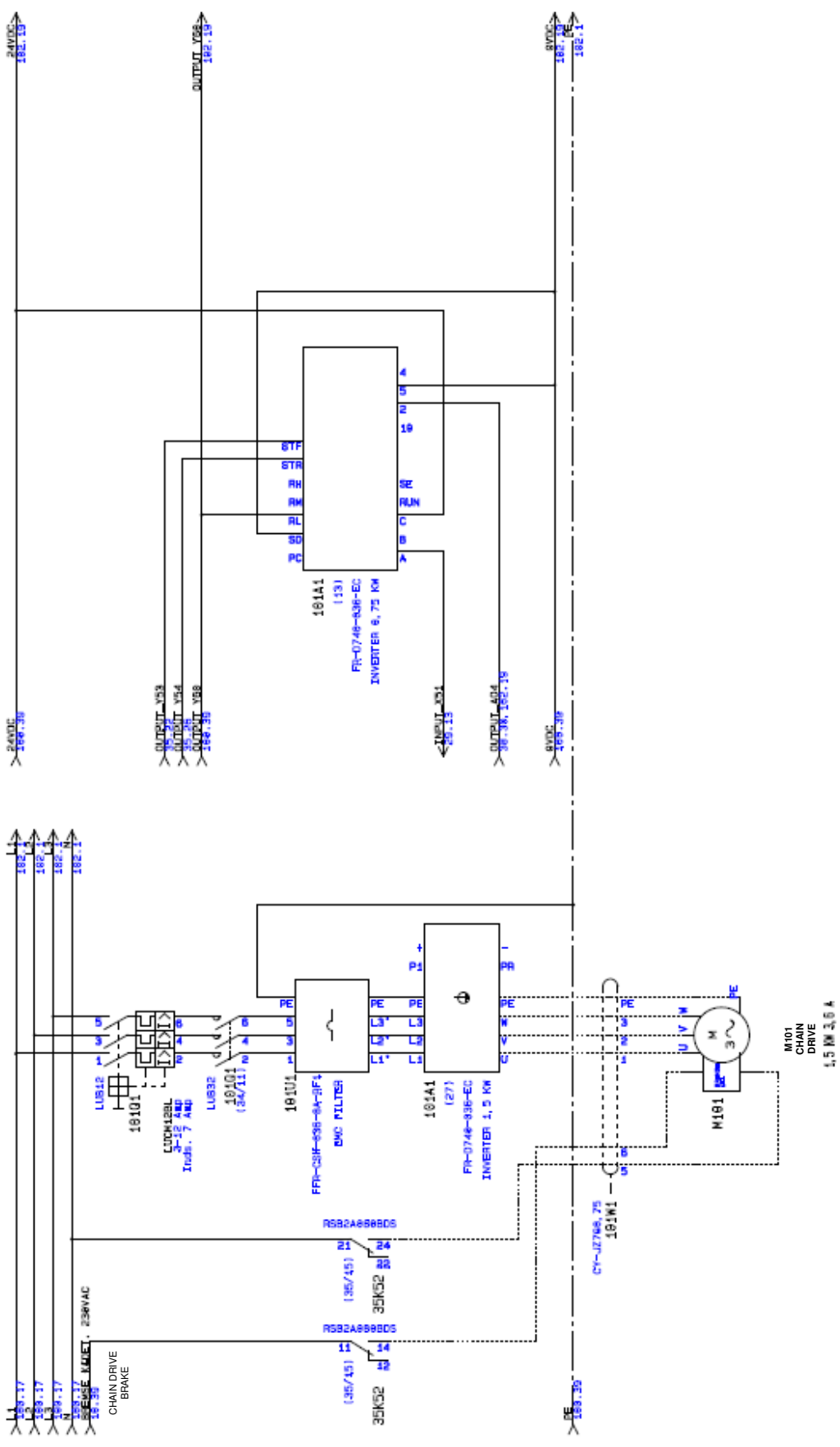


M188  
SPIKE CHAIN  
DRIVE  
0.75 KW 2.2 A

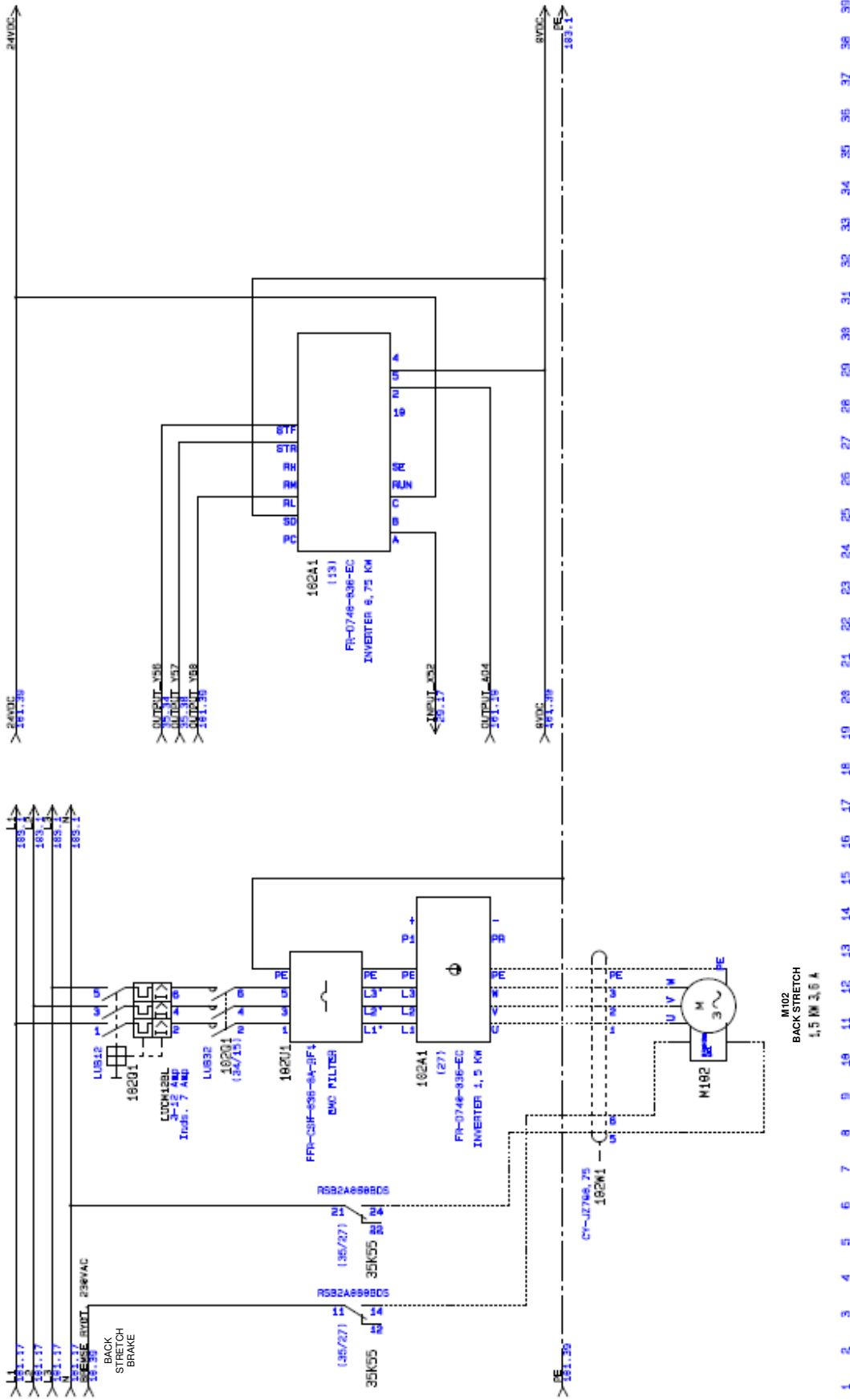
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<p>Constructor: JOE          Approved: 2011-JAP-01          Drawing no. 31-08-2011</p>																																						
<p>Last printed: 19-10-2011 21:38:03          Revision: 100 of 66          Page: 101          Next page: 101</p>																																						





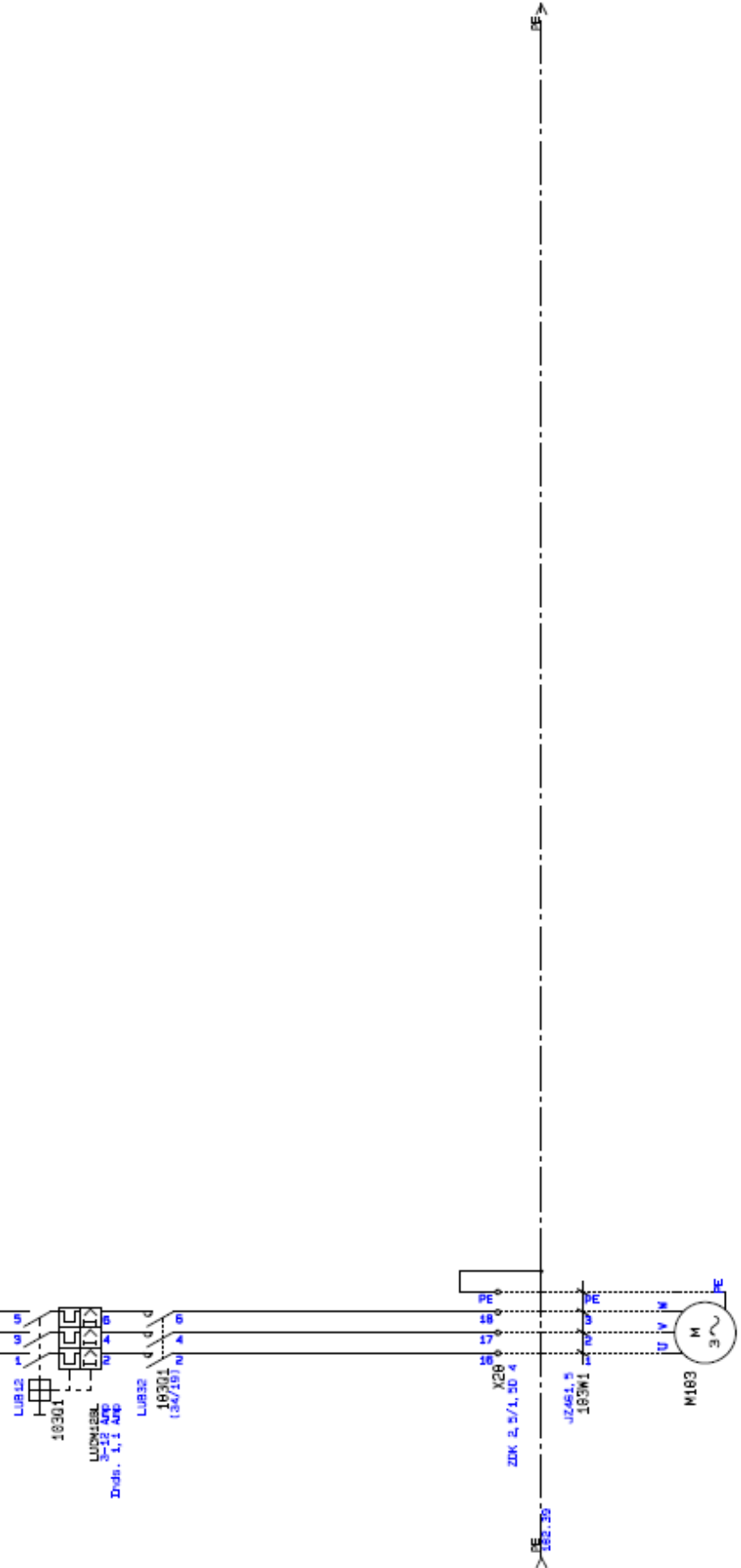
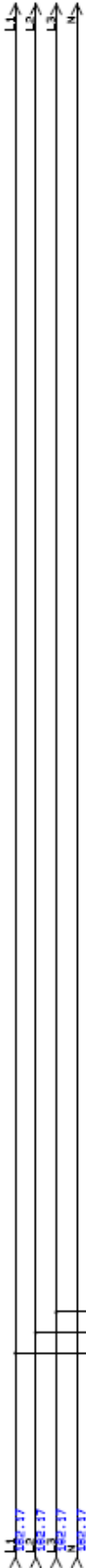


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<p>Constructor: JOE          Approved: 2011-JAP-01          Drawing no. 31-08-2011          Created: 19-10-2011 21:38:03          Revision: 102 of 66          Page: 103          Next page: 103</p>																																							





M103  
BELT 1  
8,55kW 3,1 A

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
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<p>Constructor: JOE Approved: 2011-JAP-01 Drawing no. 31-08-2011 Created:</p>																																						
<p>Last printed: 19-10-2011 21:38:03 Revision: 103 of 66 Page: LIST OF COMPONENTS Next page:</p>																																						



# ***LIST OF COMPONENTS***

## LIST OF COMPONENTS

NAME	DESCRIPTION	MANUFACTURER	EAN No.
1W1	PL-WIRE .H05 VV-F 5G1, 50 SORT K 50	NKT	5702959870707
5E1	NYBORG 2X18M FG IP65 ACRYLIC/STEEL	RIEGEN	5707157046640
5Q1	SAFETY SWITCH 25A 3P	Telemecanique	3389110449396
5Q1	NEUTRAL POLE FOR VARIO VO-V2	Telemecanique	3389110551907
5W1	CONTROL CABLE JZ 300, 75 U/SK.AFM.		4023146000235
10Q1	MANUALLY OPERATED MOTOR PROTECTION Ir 1, 6-2, 5A	Telemecanique	3389110213461
10U1	SM STRÖMFORS. 24VDC 5A MAN/AUTO 1F	SCHNEIDER ELECTRIC	3389119405614
15K1	SAFETY MODULE RT9-240	Jokab Safety	5709728157793
15S1	SWITCH BODY with 2NC	Telemecanique	3389110889406
15S1	SAFETY EMERGENCY STOP Ø40, PUSH-TURN	Telemecanique	3389110906929
15S2	SWITCH ELEMENT 1NO	Telemecanique	3389110089479
15S2	FLUSH PUSH SWITCH, BLUE 1NO	Telemecanique	3389110134407
15S3	SWITCH BODY with 2NC	Telemecanique	3389110889406
15S3	SAFETY EMERGENCY STOP Ø40, PUSH-TURN	Telemecanique	3389110906929
15S4	SAFETY FOOT PEDAL 2s1 and 2 br	Jokab Safety	ST_FOX31
15W1	CONTROL CABLE JZ 1200, 75 U/SK.AFM.	Lemvigh Müller	4023146000341
15W2	CONTROL CABLE JZ 1200, 75 U/SK.AFM.	Lemvigh Müller	4023146000341
15W3	CONTROL CABLE JZ 700, 75 U/SK.AFM.	Lemvigh Müller	4023146000297
15W4	CONTROL CABLE JZ 100, 75 u/sk T-500	Lemvigh Müller	4023146000372
16K1	VITAL SAFETY MODULE	Jokab Safety	5709728975298
16S1	SCANNER ADAM/EVA EC	Jokab Safety	5707157151856
16S2	SCANNER ADAM/EVA EC	Jokab Safety	5707157151856
16W1	CONTROL CABLE JZ 700, 75 U/SK.AFM.	Lemvigh Müller	4023146000297
16W2	CONTROL CABLE JZ 700, 75 U/SK.AFM.	Lemvigh Müller	4023146000297
17K1	SAFETY MODULE JSBR4-240	Jokab Safety	ST_10-002-00
17S1	SWITCH ELEMENT 1NO	Telemecanique	3389110089479
17S1	FLUSH PUSH BUTTON, white	Telemecanique	3389110904369
17S1	SWITCH BODY with 1NO+1NC	Telemecanique	3389110925760
17S2	SWITCH BODY with 1NO	Telemecanique	3389110089479
17S2	PUSH BUTTON, plain white	Telemecanique	3389110904369
17S2	SWITCH BODY with 1NO+1NC	Telemecanique	3389110925760
17W2	CONTROL CABLE JZ 1000, 75 u/sk T-500	Lemvigh Müller	402314600033



Client: JASPOELS  
 Project title:  
 Printed: 31-08-2011  
 Last modified: 19-10-2011

Page: KL1  
 Next page: KL2  
 Last page: KP15  
 19-10-2011 21:37:46

## LIST OF COMPONENTS

NAME	DESCRIPTION	MANUFACTURER	EAN No.
20A1	MAIN PLC UNIT 24VDC, 8DI/8DO RELAY	MITSUBISHI	ST_FX3UC·16MR
20A2	DIGITAL INPUT 16DI 24VDC	MITSUBISHI	ST_FX2NC·16EX
20A3	DIGITAL INPUT 16DI 24VDC	MITSUBISHI	ST_FX2NC·16EX
20A4	DIGITAL INPUT 16DI 24VDC	MITSUBISHI	ST_FX2NC·16EX
20A5	DIGITAL OUTPUT 16DO 24VDC RELAY 2 A. MAX	MITSUBISHI	ST_FX2NC·16EY
20A6	DIGITAL OUTPUT 16DO 24VDC RELAY 2 A. MAX	MITSUBISHI	ST_FX2NC·16EY
20A7	DIGITAL OUTPUT 16DO 24VDC RELAY 2 A. MAX	MITSUBISHI	ST_FX2NC·16EY
20A8	ANALOG OUTPUT MODUL. 4AO +/-10V, 0/4-20mA 11 BIT	MITSUBISHI	ST_FX2NC·4DA
20A9	EXTENSION ADAPTER	MITSUBISHI	ST_FX2NC·CNV·
20A10	ETHERNET INTERFACE	MITSUBISHI	ST_FX3U·ENET
20A10	ETHERNET INTERFACE	MITSUBISHI	ST_FX3U·ENET
20A11	HIRSCHM.SPIDER SPORT ETH.SWITCH	HIRSCHMANN	4002044213992
20A12	SITEMANAGER 1029 REMOTE ACCES AND MANEGEMENT	SECOMEA	st_1029
20A15	CONTROL PANEL 1x T7A TOUCH	MITSUBISHI	ST_T7A
21W1	CONTROL CABLE CY-JZ TR. 500,75 SK. T-500	HELU KABEL	4023146002086
21W3	CONTROL CABLE CY-JZ TR. 500,75 SK. T-500	HELU KABEL	4023146002086
26S45	RAISED PUSHBUTTON, YELLOW	Telamecanique	3389110906516
28S45	SWITCH BODY with 1NO	Telamecanique	3389110924398
28W43	CONTROL CABLE JZ 300,75 U/SK.AFM.		4023146000235
29S51	TURNING HANDLE 2 FIXED POSITIONS	Telamecanique	3389110904963
29S54	SWITCH BODY with 1NO	Telamecanique	3389110924398
35K52	PLUG PIN RELAY M/SOK.2C/0 8A 24VDC	Telamecanique	RSB2A080BDS
35K55	PLUG PIN RELAY M/SOK.2C/0 8A 24VDC	Telamecanique	RSB2A080BDS
36P61	SIGNAL LAMP YELLOW 24V ACDC	Telamecanique	3389110903799
36P62			
36W1	CONTROL CABLE JZ 300,75 U/SK.AFM.		4023146000235
37W1	CONTROL CABLE CY-JZ TR. 400,75 SK. T-500	HELU KABEL	4023146002079
100A1	INVERTER 0,75 KW	Mitsubishi	ST_FR·D740·02
100Q1	BASIC MODULE 12A 3P+1NO+1NC	SCHNEIDER ELECTRIC	3389110362770
100Q1	BASIC MODULE 32A 3P+1NO+1NC	SCHNEIDER ELECTRIC	3389110362787
100Q1	POWER MODULE MULTIF. 3-12A 24VDC	SCHNEIDER ELECTRIC	3389110365115
100U1	EMC FILTER	MITSUBISHI	ST_FFR·CSH·03



Client: JASPOELS  
 Project title:  
 Printed: 31-08-2011  
 Last modified: 19-10-2011

Page: KL2  
 Next page: KL3  
 Last page: KP15  
 19-10-2011 21:37:46

## LIST OF COMPONENTS


NAME	DESCRIPTION	MANUFACTURER	EAN No.
100W1	CONTROL CABLE CY-JZ TR. 4G1,5 SK. T-500	Lemvigh MÜJJer	4023146002215
101A1	INVERTER 1,5 KW	Lemvigh MÜJJer	ST_FR·D740·03
101Q1	BASIC MODULE 12A 3P+1NO+1NC	SCHNEIDER ELECTRIC	3389110362770
101Q1	BASIC MODULE 32A 3P+1NO+1NC	SCHNEIDER ELECTRIC	3389110362787
101Q1	POWER MODULE MULTIF. 3-12A 24VDC	SCHNEIDER ELECTRIC	3389110365115
101U1	EMC FILTER	mitsubishi	ST_FFR·CSH·03
101W1	CONTROL CABLE CY-JZ TR. 7G0,75 SK. T-500	HELU KABEL	4023146002093
102A1	INVERTER 1,5 KW	Lemvigh MÜJJer	ST_FR·D740·03
102Q1	BASIC MODULE 12A 3P+1NO+1NC	SCHNEIDER ELECTRIC	3389110362770
102Q1	BASIC MODULE 32A 3P+1NO+1NC	SCHNEIDER ELECTRIC	3389110362787
102Q1	POWER MODULE MULTIF. 3-12A 24VDC	SCHNEIDER ELECTRIC	3389110365115
102U1	EMC FILTER	mitsubishi	ST_FFR·CSH·03
102W1	CONTROL CABLE CY-JZ TR. 7G0,75 SK. T-500	HELU KABEL	4023146002093
103Q1	BASIC MODULE 12A 3P+1NO+1NC	SCHNEIDER ELECTRIC	3389110362770
103Q1	BASIC MODULE 32A 3P+1NO+1NC	SCHNEIDER ELECTRIC	3389110362787
103Q1	POWER MODULE MULTIF. 3-12A 24VDC	SCHNEIDER ELECTRIC	3389110365115
103W1	CONTROL CABLE JZ 4G 1,5 U/SK.AFM.	Lemvigh MÜJJer	4023146000716
X1	FEED-THROUGH CONNECTOR, SCREWLESS	Weidmüller	4008190077501
X1	FEED-THROUGH CONNECTOR, SCREWLESS	Weidmüller	4008190077969
X1	GROUNDING CONNECTOR, SCREWLESS	Weidmüller	4008190473075
X2	FEED-THROUGH CONNECTOR, SCREWLESS	Weidmüller	4008190077501
X2	FEED-THROUGH CONNECTOR, SCREWLESS	Weidmüller	4008190077969
X2	GROUNDING CONNECTOR, SCREWLESS	Weidmüller	4008190473075
X3	GROUNDING CONNECTOR, SCREWLESS	Weidmüller	4008190473075
X5	DOUBLE CONNECTOR, SCREWLESS	Weidmüller	4008190877927
X00	CEE PLUG 5P/16A/400V/IP44	MENNEKES	4015394181262
X10	DISTRIBUTOR TERMINAL ZIK-ZAK, BLUE	Weidmüller	4008190297541
X10	DISTRIBUTOR TERMINAL ZIK-ZAK, BROWN	Weidmüller	4008190297558
X10	FEED-THROUGH CONNECTOR, ZIK-ZAK, 3/LEAD???	Weidmüller	4008190401634
X10	DOUBLE CONNECTOR, SCREWLESS	Weidmüller	4008190877927
X15	DOUBLE CONNECTOR, SCREWLESS	Weidmüller	4008190877927
X20	FEED-THROUGH CONNECTOR, SCREWLESS	Weidmüller	4008190077969



**Client:** JASPOELS  
**Project title:**  
**Printed:** 31-08-2011  
**Last modified:** 19-10-2011

**Page:** KL3  
**Next page:** KL4  
**Last page:** KP15  
 19-10-2011 21:37:46

## LIST OF COMPONENTS

NAME	DESCRIPTION	MANUFACTURER	EAN No.
X20	GROUNDING CONNECTOR, SCREWLESS	Weidmüller	4008190473075
X20	DOUBLE CONNECTOR, SCREWLESS	Weidmüller	4008190877927
X21	FEED-THROUGH CONNECTOR, SCREWLESS	Weidmüller	4008190077969
X21	GROUNDING CONNECTOR, SCREWLESS	Weidmüller	4008190473075
X21	DOUBLE CONNECTOR, SCREWLESS	Weidmüller	4008190877927
X25	FEED-THROUGH CONNECTOR, SCREWLESS	Weidmüller	4008190077969
X25	DOUBLE CONNECTOR, SCREWLESS	Weidmüller	4008190877927
X26	FEED-THROUGH CONNECTOR, SCREWLESS	Weidmüller	4008190077969
X26	DOUBLE CONNECTOR, SCREWLESS	Weidmüller	4008190877927
	<b>Client:</b> JASPOELS <b>Project title:</b> <b>Printed:</b> 31-08-2011 <b>Last modified:</b> 19-10-2011	<b>Page:</b> KL4 <b>Next page:</b> I/O LIST <b>Last page:</b> KP15 19-10-2011 21:37:46	



# ***TEST 0/1***

**I/O LIST**  
**20A1:X0..20A2:2X5**

Pos.	NAME	I/O	DESCRIPTION	PLACE
1	20A1:X0	X0	X_KEIETHK_ENCODER_A CHAIN DRIVE ENCODER A	
2	20A1:X1	X1	X_KEIETHK_ENCODER_B CHAIN DRIVE ENCODER B	21/7
3	20A1:X2	X2	X_KEIETHK_AFT_MINUS CHAIN DRIVE MINUS	21/11
4	20A1:X3	X3	X_RYGTREK_ENCODER_A BACK STRETCH ENCODER	21/15
5	20A1:X4	X4	X_RYGTREK_ENCODER_B BACK STRETCH ENCODER	21/19
6	20A1:X5	X5	X_RYGTREK_AFT_MINUS BACK STRETCH MINUS	22/7
7	20A1:X6	X6	X_SKEPECYL_MINUS CUTTING CYLINDER MINUS	22/11
8	20A1:X7	X7	X_TVERSNIIT_MOTORCYL_PLUS CROS CUT MOTOR CYLINDER PLUS	22/15
9	20A1:Y0	Y0	Y_POTELAS_CYL PAW LOCK CYLINDER	22/19
10	20A1:Y1	Y1	Y_POTESTREK_CYL PAW STRETCH CYLINDER	23/7
11	20A1:Y2	Y2	Y_TVERSNIIT_MOTOR_CYL CROSS CUT MOTOR CYLINDER	23/11
12	20A1:Y3	Y3	Y_SPADE_CYL PADDLE CYLINDER	23/15
13	20A1:Y4	Y4	Y_HALE_CYL TAIL CYLINDER	23/19
14	20A1:Y5	Y5	Y_KROGE_CYL HOOK CYLINDER	24/7
15	20A1:Y6	Y6	Y_VIP_CYL_VENSTRE TILT CYLINDER LEFT	24/11
16	20A1:Y7	Y7	Y_VIP_CYL_HOJFE TILT CYLINDER RIGHT	24/15
17	20A2:1X0	X10	X_SPADECYL_MINUS PADDLE CYLINDER MINUS	24/19
18	20A2:1X1	X11	X_SPADECYL_PLUS PADDLE CYLINDER PLUS	25/7
19	20A2:1X2	X12	X_SPADECYL_MIDTPOS PADDLE CYLINDER MIDDLE POSITION	25/11
20	20A2:1X3	X13	X_HALECYL_MINUS_PHESSOSTAT TAIL CYLINDER MINUS PRESSURE SWITCH	25/15
21	20A2:1X4	X14	X_HALECYL_PLUS TAIL CYLINDER PLUS	25/19
22	20A2:1X5	X15	X_KROGCYL_VENSTRE_MINUS HOOK CYLINDER LEFT MINUS	25/23
23	20A2:1X6	X16	X_KROGCYL_VENSTRE_PLUS HOOK CYLINDER LEFT PLUS	25/27
24	20A2:1X7	X17	X_KROGCYL_VENSTRE_MIDTPOS HOOK CYLINDER LEFT MIDDLE POSITION	25/31
25	20A2:2X0	X20	X_KROGCYL_HOJFE_MINUS HOOK CYLINDER RIGHT MINUS	25/35
26	20A2:2X1	X21	X_KROGCYL_HOJFE_PLUS HOOK CYLINDER RIGHT PLUS	26/7
27	20A2:2X2	X22	X_KROGCYL_HOJFE_MIDTPOS HOOK CYLINDER RIGHT MIDDLE POSITION	26/11
28	20A2:2X3	X23	X_VIPCYL_VENSTRE_MINUS TILT CYLINDER LEFT MINUS	26/15
29	20A2:2X4	X24	X_VIPCYL_VENSTRE_PLUS TILT CYLINDER LEFT PLUS	26/19
30	20A2:2X5	X25	X_VIPCYL_HOJFE_MINUS TILT CYLINDER RIGHT MINUS	26/23



Client: JASPOELS  
 Project title: PELSROBOT 2011  
 Page title: I/O LIST  
 Last printed: 19-10-2011 21:38:02

Case no. CIRCUIT SCHEME  
 Project revision:  
 Page revision:  
 Last modified: 02-09-2011  
 Page I/O 1 of CP 15  
 Number of pages used: 66

**I/O LIST**  
**20A2:2X6..20A4:2X3**

Pos.	NAME	I/O	DESCRIPTION	PLACE
31	20A2:2X6	X26	X_VIPCYL_HOJHE_PLUS TILT CYLINDER RIGHT PLUS	26/27
32	20A2:2X7	X27	X_FRICYL_VENSTRE_MINUS RELEASING CYLINDER LEFT MINUS	26/31
33	20A3:1X0	X30	X_FRICYL_HOJHE_MINUS RELEASING CYLINDER RIGHT MINUS	26/35
34	20A3:1X1	X31	X_LARCYL_VENSTRE_MINUS THIGH CYLINDER LEFT MINUS	27/7
35	20A3:1X2	X32	X_LARCYL_VENSTRE_PLUS THIGH CYLINDER LEFT PLUS	27/11
36	20A3:1X3	X33	X_LARCYL_HOJHE_MINUS THIGH CYLINDER RIGHT MINUS	27/15
37	20A3:1X4	X34	X_LARCYL_HOJHE_PLUS THIGH CYLINDER RIGHT PLUS	27/19
38	20A3:1X5	X35	X_SPADE_FOHLING_MINUS PADDLE EXTENSION MINUS	27/23
39	20A3:1X6	X36	X_2_HANDTRYK_VENSTRE 2-HAND PUSH LEFT	27/27
40	20A3:1X7	X37	X_PIGKEDECYL_MINUS_VENSTRE SPIKE CHAIN CYLINDER MINUS LEFT	27/31
41	20A3:2X0	X40	X_KROPSLEDE_MINUS BODY LEAD MINUS	27/35
42	20A3:2X1	X41	X_KROPSLEDE_PLUS BODY LEAD PLUS	28/7
43	20A3:2X2	X42	X_PIGKEDECYL_MINUS_HOJHE SPIKE CHAIN CYLINDER MINUS RIGHT	28/11
44	20A3:2X3	X43	X_HOVESKER_KNAP HEAD KNIFE BUTTON	28/15
45	20A3:2X4	X44	X_FOOPEDAL FOOT PEDAL	28/19
46	20A3:2X5	X45	X_CYKLUS_STOP_KNAP CYCLE STOP BUTTON	28/23
47	20A3:2X6	X46	X_2_HAND_TRYK_HOJHE 2-HAND PRESSURE RIGHT	28/27
48	20A3:2X7	X47	X_2_HAND_REL_OUTPUT 2-HAND RELAY OUTPUT	28/31
49	20A4:1X0	X50	X_TRYK_LUFT_OK COMPRESSED AIR OK	28/35
50	20A4:1X1	X51	X_FEJL_FRQ_KJEDTJEK ERROR FRQ CHAIN DRIVE	29/7
51	20A4:1X2	X52	X_FEJL_FRQ_RYGTJEK ERROR FRQ BACK STRETCH	29/11
52	20A4:1X3	X53	X_RESET_KNAP RESET BUTTON	29/15
53	20A4:1X4	X54	X_DRIFT_OMSKJETER OPERATION CONVERTER	29/19
54	20A4:1X5	X55	X_SKEJE_CYL_PLUS CUTTING CYLINDER PLUS	29/23
55	20A4:1X6	X56	X_RYGTJEK_AFT_PLUS BACK STRETCH AFT PLUS	29/27
56	20A4:1X7	X57	X_KROPPARM_CYL_MINUS BODY ARM CYLINDER MINUS	29/31
57	20A4:2X0	X60	X_KJEDTJEK_AFT_PLUS CHAIN ARM AFT PLUS	29/35
58	20A4:2X1	X61	X_FEJL_FRQ_PDKJEDJE ERROR FRQ SPIKE CHAIN	30/7
59	20A4:2X2	X62	X_DISP_67	30/11
60	20A4:2X3	X63	X_NODSTOP_OK EMERGENCY STOP OK	30/15



Client:  
Project title:  
Page title:

JASPOELS  
PELSROBOT 2011  
I/O LIST

Last printed:

19-10-2011 21:38:02

Case no. CIRCUIT SCHEME  
Project revision:  
Page revision:  
Last modified: 02-09-2011  
Page I/O 2 of CP 15  
Number of pages used: 66

**I/O LIST**  
**20A4:2X4..20A6:2Y1**

Pos.	NAME	I/O	DESCRIPTION	PLACE
61	20A4:2X4	X64	X_PIGKEDE_MS_OK SPIKE CHAIN MS OK	30/19
62	20A4:2X5	X65	X_KEDTREK_MS_OK CHAIN DRIVE MS OK	30/23
63	20A4:2X6	X66	X_RYGTRK_MS_OK BACK STRETCH MS OK	30/27
64	20A4:2X7	X67	X_BAND_1_MS_OK BELT 1 MS OK	30/31
65	20A5:1Y0	Y10	Y_FRIEGR_CYL_PLUS RELEASING CYLINDER PLUS	30/35
66	20A5:1Y1	Y11	Y_KROPLAS_CYL BODY LOCK CYLINDER	31/7
67	20A5:1Y2	Y12	Y_PIGKEDE_CYL SPIKE CHAIN CYLINDER	31/11
68	20A5:1Y3	Y13	Y_SKINDLAS_CYL SKIN LOCK CYLINDER	31/15
69	20A5:1Y4	Y14	Y_LAR_CYL THIGH CYLINDER	31/19
70	20A5:1Y5	Y15	Y_DISP_15	31/23
71	20A5:1Y6	Y16	Y_HOVEDSKER_MOTOR HEAD KNIFE MOTOR	31/27
72	20A5:1Y7	Y17	Y_KROPTREK_SLEDE BODY STRETCH	31/31
73	20A5:2Y0	Y20	Y_LARSTOT_CYL THIGH SUPPORT CYLINDER	31/35
74	20A5:2Y1	Y21	Y_SPADEFORL_CYL PADDLE EXTENSION CYLINDER	32/7
75	20A5:2Y2	Y22	Y_POTELIFT_CYL PAW LIFT CYLINDER	32/11
76	20A5:2Y3	Y23	Y_POTESNIT_CYL PAW CUT CYLINDER	32/15
77	20A5:2Y4	Y24	Y_KROPARM_CYL BODY ARM CYLINDER	32/19
78	20A5:2Y5	Y25	Y_TVEHSNIT_MOTOR CROSS CUT MOTOR	32/23
79	20A5:2Y6	Y26	Y_SKEPECYL_PLUS CUTTING CYLINDER PLUS	32/27
80	20A5:2Y7	Y27	Y_V_SNIT_MOTOR V-CUT MOTOR	32/31
81	20A6:1Y0	Y30	Y_SKEPECYL_MINUS CUTTING CYLINDER MINUS	32/35
82	20A6:1Y1	Y31	Y_FRIEGR_CYL_MINUS RELEASING CYLINDER MINUS	33/7
83	20A6:1Y2	Y32	Y_RYGLAS_CYL BACK LOCK CYLINDER	33/11
84	20A6:1Y3	Y33	Y_V_SNIT_MOTOR_HOJRE V-CUT MOTOR RIGHT	33/15
85	20A6:1Y4	Y34	Y_DISP_34	33/19
86	20A6:1Y5	Y35	Y_DISP_35	33/23
87	20A6:1Y6	Y36	Y_DISP_36	33/27
88	20A6:1Y7	Y37	Y_DISP_37	33/31
89	20A6:2Y0	Y40	Y_PIGKEDE_MS SPIKE CHAIN MS	33/35
90	20A6:2Y1	Y41	Y_KEDTREK_MS CHAIN DRIVE MS	34/7



Client: JASPELS  
 Project title: PELSROBOT 2011  
 Page title: I/O LIST  
 Last printed: 19-10-2011 21:38:02

Case no. CIRCUIT SCHEME  
 Project revision:  
 Page revision:  
 Last modified: 02-09-2011  
 Page I/O 3 of CP 15  
 Number of pages used: 66

**I/O LIST**  
**20A6:2Y2..20A8:V4+**

Pos.	NAME	I/O	DESCRIPTION	PLACE
91	20A6:2Y2	Y42	Y_RYGTREK _MS BACK STRETCH	34/11
92	20A6:2Y3	Y43	Y_BAND1 _MS BELT 1 MS	34/15
93	20A6:2Y4	Y44	Y_DISP_44	34/19
94	20A6:2Y5	Y45	Y_DISP_45	34/23
95	20A6:2Y6	Y46	Y_DISP_46	34/27
96	20A6:2Y7	Y47	Y_DISP_47	34/31
97	20A7:1Y0	Y50	Y_PTIGKEDE FRQ_FWD SPIKE CHAIN FRQ FORWARD	34/35
98	20A7:1Y1	Y51	Y_PTIGKEDE FRQ_BAK SPIKE CHAIN FRQ BACK	35/7
99	20A7:1Y2	Y52	Y_KEDETREK _BREKSE CHAIN DRIVE BRAKE	35/11
100	20A7:1Y3	Y53	Y_KEDETREK FRQ_PLUS CHAIN DRIVE FRQ PLUS	35/15
101	20A7:1Y4	Y54	Y_KEDETREK FRQ_MINUS CHAIN DRIVE FRQ MINUS	35/19
102	20A7:1Y5	Y55	Y_RYGTREK _BREKSE CHAIN DRIVE BRAKE	35/23
103	20A7:1Y6	Y56	Y_RYGTREK FRQ_MINUS BACK STRETCH FRQ MINUS	35/27
104	20A7:1Y7	Y57	Y_RYGTREK FRQ_PLUS BACK STRETCH FRQ PLUS	35/31
105	20A7:2Y0	Y60	Y_RESET_ FRQ RESET FRQ	35/35
106	20A7:2Y1	Y61	Y_FEIL_ LAMPE ERROR LAMP	36/7
107	20A7:2Y2	Y62	Y_LASERLYS LASER LIGHT	36/11
108	20A7:2Y3	Y63	Y_DISP_63	36/15
109	20A7:2Y4	Y64	Y_DISP_64	36/19
110	20A7:2Y5	Y65	Y_DISP_65	36/23
111	20A7:2Y6	Y66	Y_DISP_66	36/27
112	20A7:2Y7	Y67	Y_DISP_67	36/31
113	20A8:I1+	AO1		36/35
114	20A8:I2+	AO2		37/19
115	20A8:I3+	AO3		37/31
116	20A8:I4+	AO4		38/19
117	20A8:V1+	AO1	D_POTESTREK _TRYK PAW STRETCH PRESSURE	38/31
118	20A8:V2+	AO2	D_PTIGKEDE _HASTIGHED SPIKE CHAIN SPEED	37/15
119	20A8:V3+	AO3	D_KEDETREK _HASTIGHED CHAIN DRIVE SPEED	37/27
120	20A8:V4+	AO4	D_RYGTREK _HASTIGHED BACK STRETCH SPEED	38/15



Client: JASPOELS  
Project title: PELSROBOT 2011  
Page title: I/O LIST

Last printed: 19-10-2011 21:38:02

Case no. CIRCUIT SCHEME  
Project revision:  
Page revision:  
Last modified: 02-09-2011  
Page I/O 4 of CP 15  
Number of pages used: 66

**I/O LIST**  
**20A1:X0..20A2:2X5**

Pos.	NAME	I/O	DESCRIPTION	PLACE
1	20A1:X0	X0	X_KEDIETREK_ENCODER_A CHAIN DRIVE ENCODER A	
2	20A1:X1	X1	X_KEDIETREK_ENCODER_B CHAIN DRIVE ENCODER B	21/7
3	20A1:X2	X2	X_KEDIETREK_AFT_MINUS CHAIN DRIVE AFT MINUS	21/11
4	20A1:X3	X3	X_RYGTREK_ENCODER_A BACK STRETCH ENCODER A	21/15
5	20A1:X4	X4	X_RYGTREK_ENCODER_B BACK STRETCH ENCODER B	21/19
6	20A1:X5	X5	X_RYGTREK_AFT_MINUS BACK STRETCH AFT MINUS	22/7
7	20A1:X6	X6	X_SKEFECYL_MINUS CUTTING CYLINDER MINUS	22/11
8	20A1:X7	X7	X_TVERSNIIT_MOTORCYL_PLUS CROSS CUT MOTOR CYLINDER PLUS	22/15
9	20A1:Y0	Y0	Y_POTELAS_CYL PAW LOCK CYLINDER	22/19
10	20A1:Y1	Y1	Y_POTESTRIB_CYL PAW STRETCH CYLINDER	23/7
11	20A1:Y2	Y2	Y_TVERSNIIT_MOTOR_CYL CROSS CUT MOTOR CYLINDER	23/11
12	20A1:Y3	Y3	Y_SPADE_CYL PADDLE CYLINDER	23/15
13	20A1:Y4	Y4	Y_HALE_CYL TAIL CYLINDER	23/19
14	20A1:Y5	Y5	Y_KROG_CYL HOOK CYLINDER	24/7
15	20A1:Y6	Y6	Y_VIP_CYL_VENSTRE TILT CYLINDER LEFT	24/11
16	20A1:Y7	Y7	Y_VIP_CYL_HOJFE TIL CYLINDER RIGHT	24/15
17	20A2:1X0	X10	X_SPADECYL_MINUS PADDLE CYLINDER MINUS	24/19
18	20A2:1X1	X11	X_SPADECYL_PLUS PADDLE CYLINDER PLUS	25/7
19	20A2:1X2	X12	X_SPADECYL_MIDTPOS PADDLE CYLINDER MIDDLE POSITION	25/11
20	20A2:1X3	X13	X_HALECYL_MINUS_PHESSOSTAT TAIL CYLINDER MINUS PRESSURE SWITCH	25/15
21	20A2:1X4	X14	X_HALECYL_PLUS TAIL CYLINDER PLUS	25/19
22	20A2:1X5	X15	X_KROG_CYL_VENSTRE_MINUS HOOK CYLINDER LEFT MINUS	25/23
23	20A2:1X6	X16	X_KROG_CYL_VENSTRE_PLUS HOOK CYLINDER LEFT PLUS	25/27
24	20A2:1X7	X17	X_KROG_CYL_VENSTRE_MIDTPOS HOOK CYLINDER LEFT MIDDLE POSITION	25/31
25	20A2:2X0	X20	X_KROG_CYL_HOJFE_MINUS HOOK CYLINDER RIGHT MINUS	25/35
26	20A2:2X1	X21	X_KROG_CYL_HOJFE_PLUS HOOK CYLINDER RIGHT PLUS	26/7
27	20A2:2X2	X22	X_KROG_CYL_HOJFE_MIDTPOS HOOK CYLINDER RIGHT MIDDLE POSITION	26/11
28	20A2:2X3	X23	X_VIPCYL_VENSTRE_MINUS TILT CYLINDER LEFT MINUS	26/15
29	20A2:2X4	X24	X_VIPCYL_VENSTRE_PLUS TILT CYLINDER LEFT PLUS	26/19
30	20A2:2X5	X25	X_VIPCYL_HOJFE_MINUS TILT CYLINDER RIGHT MINUS	26/23



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 Project title: **PELSROBOT 2011**  
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Case no. **CIRCUIT SCHEME**  
 Project revision:  
 Page revision:  
 Last modified: **02-09-2011**  
 Page I/O 5 of CP 15  
 Number of pages used: **66**

**I/O LIST**  
**20A2:2X6..20A4:2X3**

Pos.	NAME	I/O	DESCRIPTION	PLACE
31	20A2:2X6	X26	X_VIPCYL_HOJRE_PLUS TILT CYLINDER RIGHT PLUS	26/27
32	20A2:2X7	X27	X_FRICYL_VENSTRE_MINUS RELEASING CYLINDER LEFT MINUS	26/31
33	20A3:1X0	X30	X_FRICYL_HOJRE_MINUS RELEASING CYLINDER RIGHT MINUS	26/35
34	20A3:1X1	X31	X_LARCYL_VENSTRE_MINUS THIGH CYLINDER LEFT MINUS	27/7
35	20A3:1X2	X32	X_LARCYL_VENSTRE_PLUS THIGH CYLINDER LEFT PLUS	27/11
36	20A3:1X3	X33	X_LARCYL_HOJRE_MINUS THIGH CYLINDER RIGHT MINUS	27/15
37	20A3:1X4	X34	X_LARCYL_HOJRE_PLUS THIGH CYLINDER RIGHT PLUS	27/19
38	20A3:1X5	X35	X_SPADE_FOHLENG_MINUS PADDLE EXTENSION MINUS	27/23
39	20A3:1X6	X36	X_2_HANDTRYK_VENSTRE 2-HAND PRESSURE LEFT	27/27
40	20A3:1X7	X37	X_PTIGKEDECYL_MINUS_VENSTRE SPIKE CHAIN CYLINDER MINUS LEFT	27/31
41	20A3:2X0	X40	X_KROPSLEDE_MINUS BODY LEAD MINUS	27/35
42	20A3:2X1	X41	X_KROPSLEDE_PLUS BODY LEAD PLUS	28/7
43	20A3:2X2	X42	X_PTIGKEDECYL_MINUS_HOJRE SPIKE CHAIN CYLINDER MINUS RIGHT	28/11
44	20A3:2X3	X43	X_HOVESKER_KNAP HEAD KNIFE BUTTON	28/15
45	20A3:2X4	X44	X_FOODPEDAL FOOT PEDAL	28/19
46	20A3:2X5	X45	X_CYKLUS_STOP_KNAP CYCLE STOP BUTTON	28/23
47	20A3:2X6	X46	X_2_HAND_TRYK_HOJRE 2-HAND PRESSURE RIGHT	28/27
48	20A3:2X7	X47	X_2_HAND_HELE_OUTPUT 2-HAND RELAY OUTPUT	28/31
49	20A4:1X0	X50	X_TRYK_LUFT_OK COMPRESSED AIR	28/35
50	20A4:1X1	X51	X_FEJL_FRQ_MEDTETEK ERROR FRQ CHAIN DRIVE	29/7
51	20A4:1X2	X52	X_FEJL_FRQ_RYGTREK ERROR FRQ BACK STRETCH	29/11
52	20A4:1X3	X53	X_RESET_KNAP RESET BUTTON	29/15
53	20A4:1X4	X54	X_DRIFT_OMKJETER OPERATION CONVERTER	29/19
54	20A4:1X5	X55	X_SKERE_CYL_PLUS CUTTING CYLINDER PLUS	29/23
55	20A4:1X6	X56	X_RYGTREK_AFT_PLUS BODY STRETCH AFT PLUS	29/27
56	20A4:1X7	X57	X_KROPAARM_CYL_MINUS BODY ARM CYLINDER PLUS	29/31
57	20A4:2X0	X60	X_MEDTETEK_AFT_PLUS CHAIN DRIVE AFT PLUS	29/35
58	20A4:2X1	X61	X_FEJL_FRQ_POKKEDIE ERROR FRQ SPIKE CHAIN	30/7
59	20A4:2X2	X62	X_DISP_67	30/11
60	20A4:2X3	X63	X_NODSTOP_OK EMERGENCY STOP	30/15



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 Page title: I/O LIST  
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Case no. CIRCUIT SCHEME  
 Project revision:  
 Page revision:  
 Last modified: 02-09-2011  
 Page I/O 6 of CP 15  
 Number of pages used: 66

**I/O LIST**  
**20A4:2X4.20A6:2Y1**

Pos.	NAME	I/O	DESCRIPTION	PLACE
61	20A4:2X4	X64	X_PIGKEDE_MS_OK SPIKE CHAIN MS OK	30/19
62	20A4:2X5	X65	X_KEDETREK_MS_OK CHAIN DRIVE MS OK	30/23
63	20A4:2X6	X66	X_RYGSTREK_MS_OK BACK STRETCH MS OK	30/27
64	20A4:2X7	X67	X_BAND_1_MS_OK BELT 1 MS OK	30/31
65	20A5:1Y0	Y10	Y_FRIGORCYL_PLUS RELEASING CYLINDER PLUS	30/35
66	20A5:1Y1	Y11	Y_KROPLAS_CYL BODY LOCK CYLINDER	31/7
67	20A5:1Y2	Y12	Y_PIGKEDE_CYL SPIKE CHAIN CYLINDER	31/11
68	20A5:1Y3	Y13	Y_SKINDLAS_CYL SKIN LOCK CYLINDER	31/15
69	20A5:1Y4	Y14	Y_LAR_CYL THIGH CYLINDER	31/19
70	20A5:1Y5	Y15	Y_DISP_15	31/23
71	20A5:1Y6	Y16	Y_HOVESKER_MOTOR HEAD KNIFE MOTOR	31/27
72	20A5:1Y7	Y17	Y_KROPTREK_SLEDE BODY STRETCH LEAD	31/31
73	20A5:2Y0	Y20	Y_LARSTOT_CYL THIGH SUPPORT	31/35
74	20A5:2Y1	Y21	Y_SPADEFORL_CYL PADDLE EXTENSION CYLINDER	32/7
75	20A5:2Y2	Y22	Y_POTELIFT_CYL PAW LIFT CYLINDER	32/11
76	20A5:2Y3	Y23	Y_POTESNIT_CYL PAW CUT CYLINDER	32/15
77	20A5:2Y4	Y24	Y_KROPPARM_CYL BODY ARM CYLINDER	32/19
78	20A5:2Y5	Y25	Y_TVERSNIT_MOTOR CROSS CUT MOTOR	32/23
79	20A5:2Y6	Y26	Y_SKEPECYL_PLUS CUTTING CYLINDER PLUS	32/27
80	20A5:2Y7	Y27	Y_V_SNIT_MOTOR V-CUT MOTOR	32/31
81	20A6:1Y0	Y30	Y_SKEPECYL_MINUS CUTTING CYLINDER MINUS	32/35
82	20A6:1Y1	Y31	Y_FRIGOR_CYL_MINUS RELEASING CYLINDER MINUS	33/7
83	20A6:1Y2	Y32	Y_RYGLAS_CYL BACK LOCK CYLINDER	33/11
84	20A6:1Y3	Y33	Y_V_SNIT_MOTOR_HOJRE V-CUT MOTOR RIGHT	33/15
85	20A6:1Y4	Y34	Y_DISP_34	33/19
86	20A6:1Y5	Y35	Y_DISP_35	33/23
87	20A6:1Y6	Y36	Y_DISP_36	33/27
88	20A6:1Y7	Y37	Y_DISP_37	33/31
89	20A6:2Y0	Y40	Y_PIGKEDE_MS SPIKE CHAIN	33/35
90	20A6:2Y1	Y41	Y_KEDETREK_MS CHAIN DRIVE	34/7



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 Project title: PELSROBOT 2011  
 Page title: I/O LIST  
 Last printed: 19-10-2011 21:38:02

Case no. CIRCUIT SCHEME  
 Project revision:  
 Page revision:  
 Last modified: 02-09-2011  
 Page I/O 7 of CP 15  
 Number of pages used: 66



**I/O LIST**  
**20A6:2Y2..20A8:V4+**

Pos.	NAME	I/O	DESCRIPTION	PLACE
91	20A6:2Y2	Y42	Y_RYGTRK _MS      BACK STRETCH MS	34/11
92	20A6:2Y3	Y43	Y_BAND1 _MS      BELT 1 MS	34/15
93	20A6:2Y4	Y44	Y_DISP_44	34/19
94	20A6:2Y5	Y45	Y_DISP_45	34/23
95	20A6:2Y6	Y46	Y_DISP_46	34/27
96	20A6:2Y7	Y47	Y_DISP_47	34/31
97	20A7:1Y0	Y50	Y_PTCKEIE FRQ_FWD      SPIKE CHAIN FRQ FORWARD	34/35
98	20A7:1Y1	Y51	Y_PTCKEIE FRQ_BAK      SPIKE CHAIN FRQ BACK	35/7
99	20A7:1Y2	Y52	Y_KEDTTRK _BRKSE      CHAIN DRIVE BRAKE	35/11
100	20A7:1Y3	Y53	Y_KEDTTRK FRQ_PLUS      CHAIN DRIVE FRQ PLUS	35/15
101	20A7:1Y4	Y54	Y_KEDTTRK FRQ_MINUS      CHAIN DRIVE FRQ MINUS	35/19
102	20A7:1Y5	Y55	Y_RYGTRK _BRKSE      BACK STRETCH BRAKE	35/23
103	20A7:1Y6	Y56	Y_RYGTRK FRQ_MINUS      BACK STRETCH FRQ MINUS	35/27
104	20A7:1Y7	Y57	Y_RYGTRK FRQ_PLUS      BACK STRETCH FRQ PLUS	35/31
105	20A7:2Y0	Y60	Y_RESET_ FRQ      RESET FRQ	35/35
106	20A7:2Y1	Y61	Y_FEIL_ LAMPE      ERROR LAMP	36/7
107	20A7:2Y2	Y62	Y_LASERLYS      LASER LIGHT	36/11
108	20A7:2Y3	Y63	Y_DISP_63	36/15
109	20A7:2Y4	Y64	Y_DISP_64	36/19
110	20A7:2Y5	Y65	Y_DISP_65	36/23
111	20A7:2Y6	Y66	Y_DISP_66	36/27
112	20A7:2Y7	Y67	Y_DISP_67	36/31
113	20A8:I1+	AO1		36/35
114	20A8:I2+	AO2		37/19
115	20A8:I3+	AO3		37/31
116	20A8:I4+	AO4		38/19
117	20A8:V1+	AO1	O_POTESTTRK _TRNK      PAW STRETCH PRESSURE	38/31
118	20A8:V2+	AO2	O_PTCKEIE _HASTIGHED      SPIKE CHAIN SPEED	37/15
119	20A8:V3+	AO3	O_KEDTTRK _HASTIGHED      CHAIN DRIVE SPEED	37/27
120	20A8:V4+	AO4	O_RYGTRK _HASTIGHED      BACK STRETCH SPEED	38/15



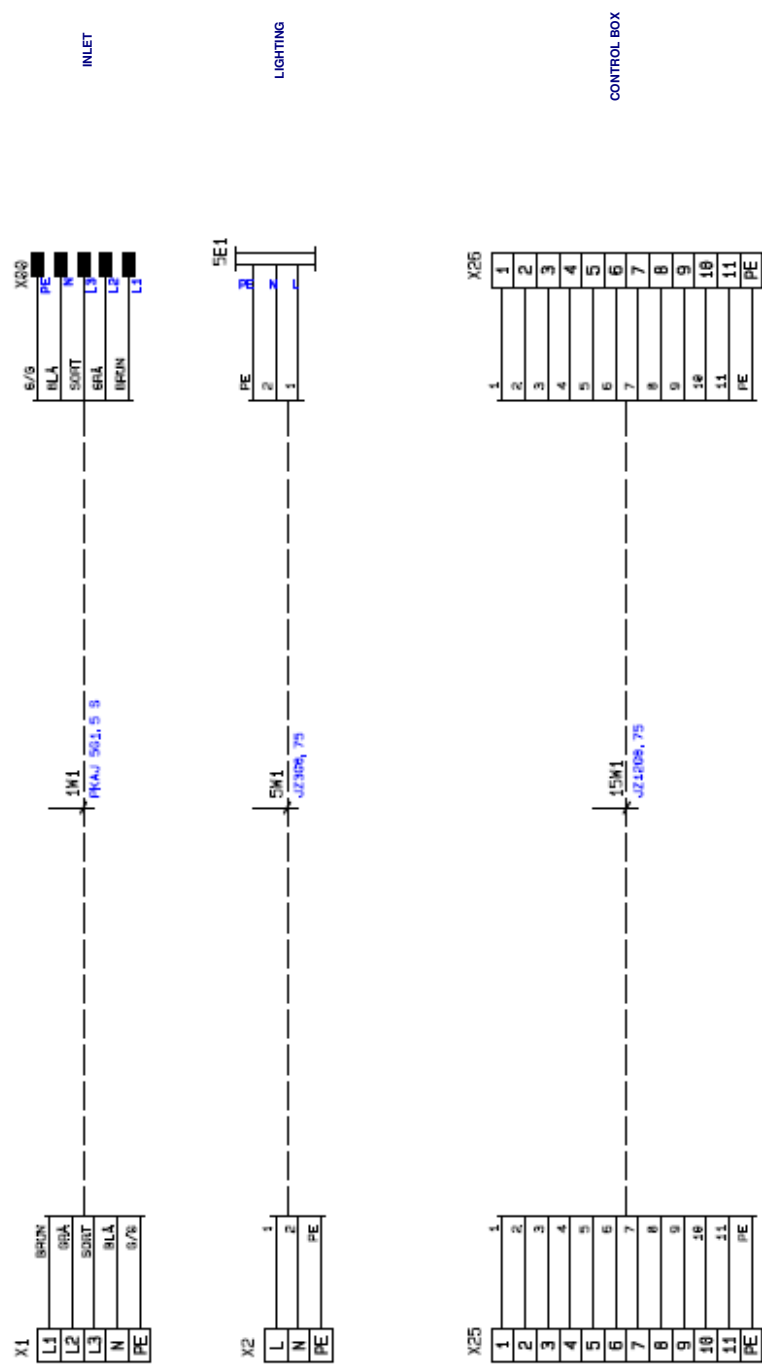
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Case no. **CIRCUIT SCHEME**  
 Project revision:  
 Page revision:  
 Last modified: **02-09-2011**  
 Page I/O 8 of CP 15  
 Number of pages used: **66**

# *CABLE PLAN*

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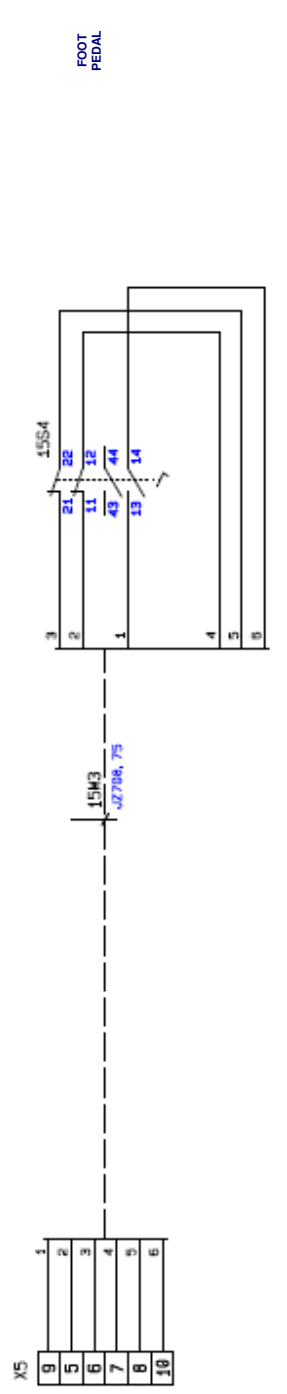
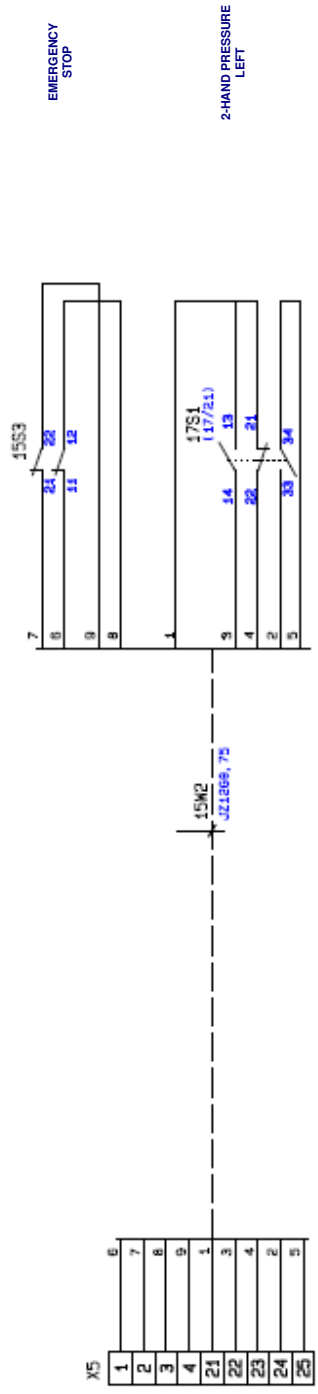
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 Case name: CIRCUIT SCHEME  
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Constructor: JOE  
 Approved: 2011-JAP-01  
 Drawing no. 31-08-2011  
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 Revision: KP1 of 66  
 Page: KP2  
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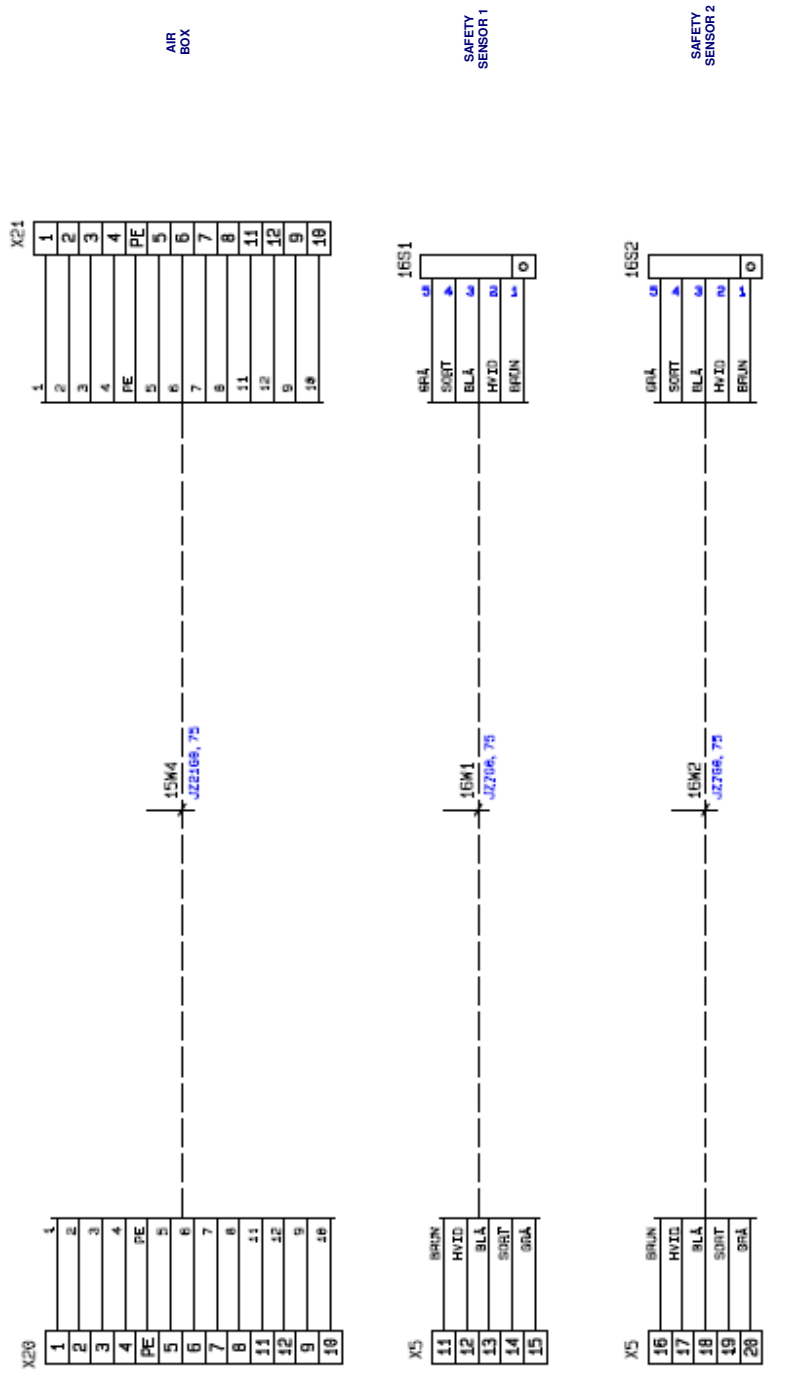


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Last printed: 19-10-2011 21:38:03  
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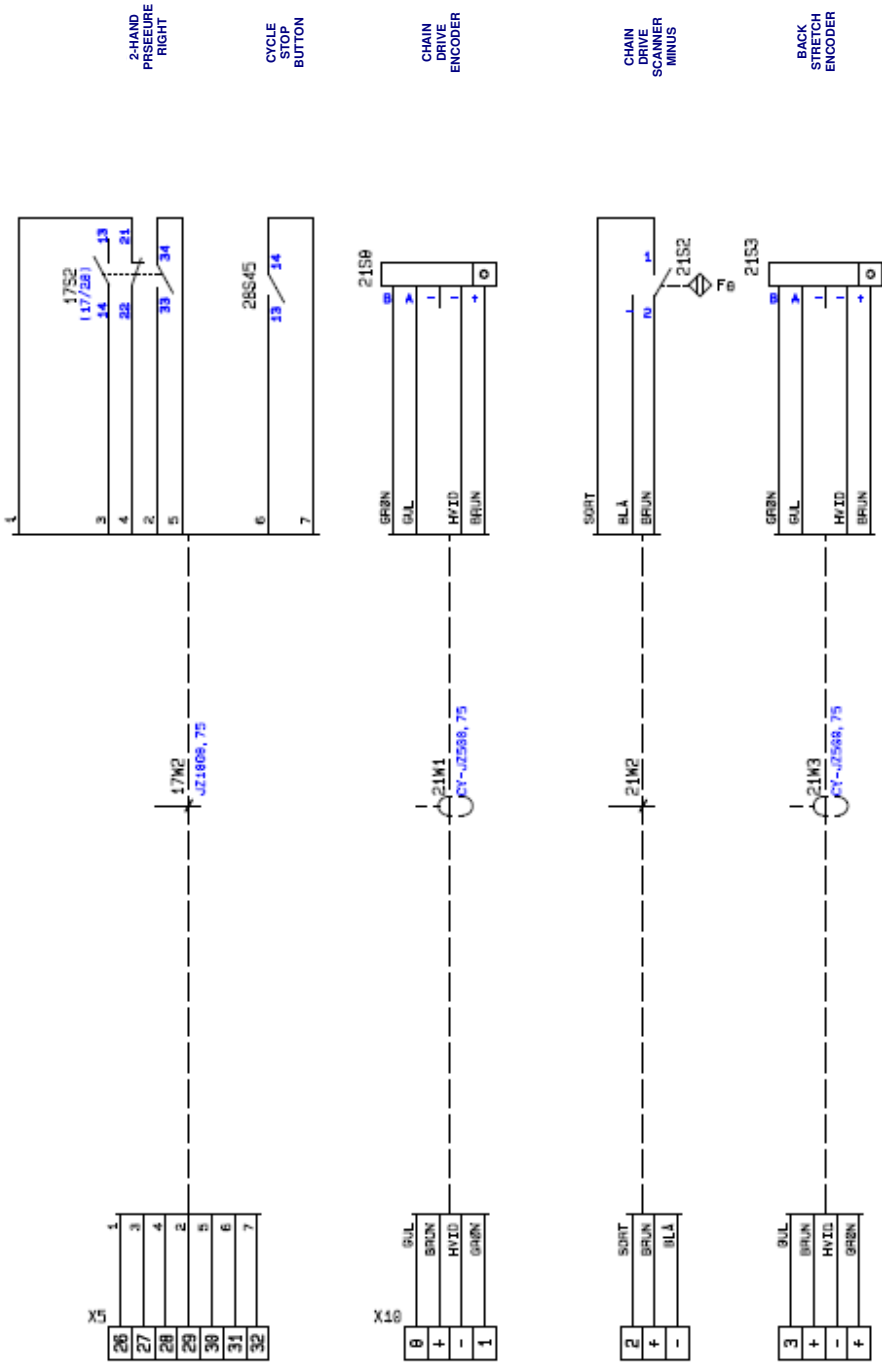
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 Drawing no. 31-08-2011

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 Revision: KP3 of 66  
 Page: KP4  
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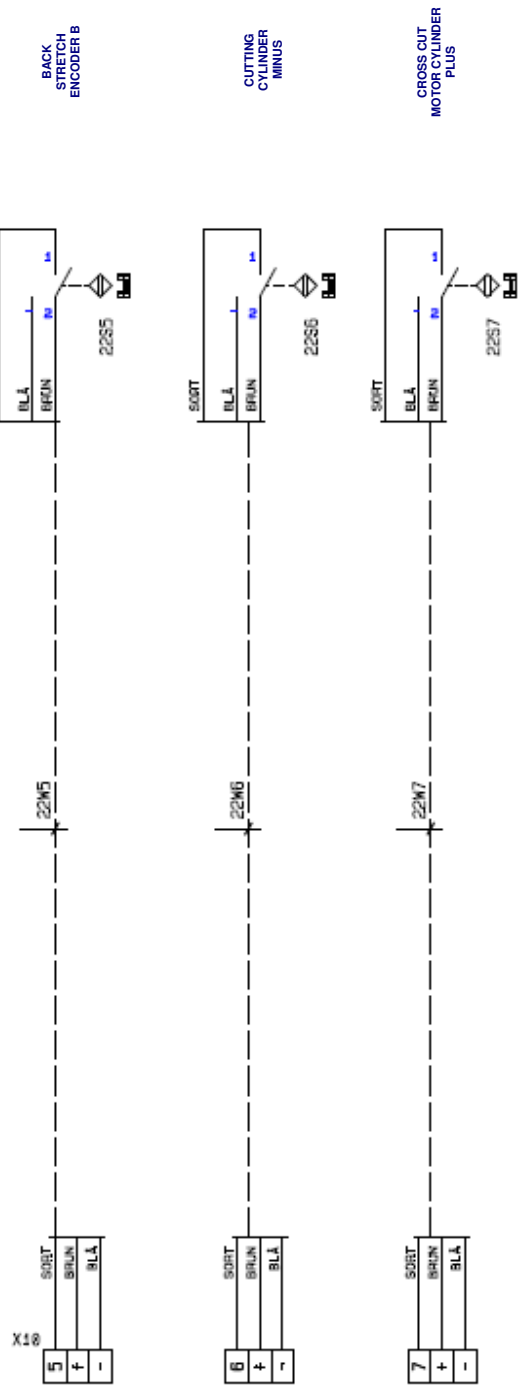
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 Page: KP4 of 66  
 Next page: KP5

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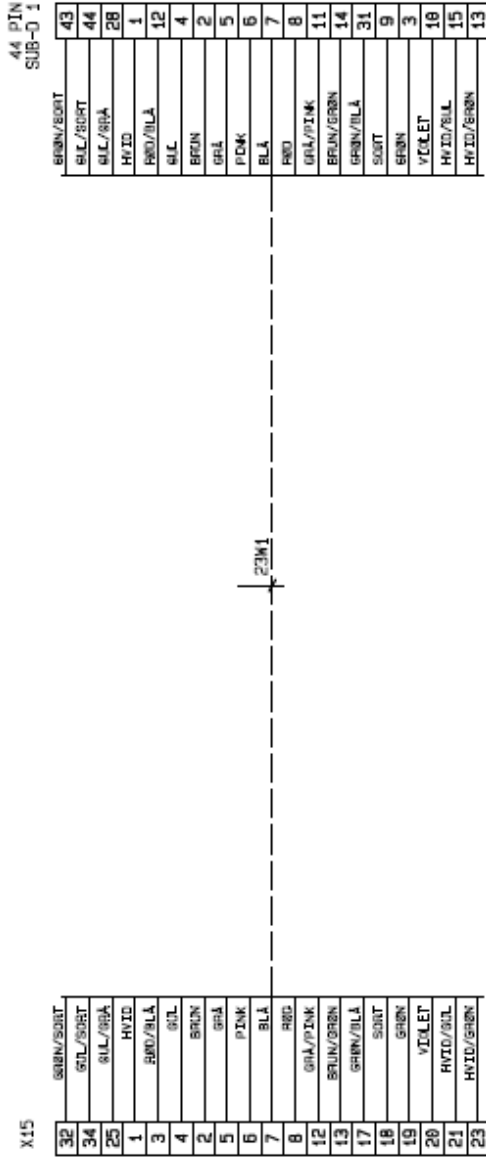
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- PINK
- ROD



AIR BOX  
VALVE Ø 1



PADDLE  
CYLINDER  
MINUS

Client: JASPOELS  
Project title: PELSROBOT 2011  
Case name: CIRCUIT SCHEME  
Page title: CABLE PLAN 23W1

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Approved: 2011-JAP-01  
Drawing no. 31-08-2011  
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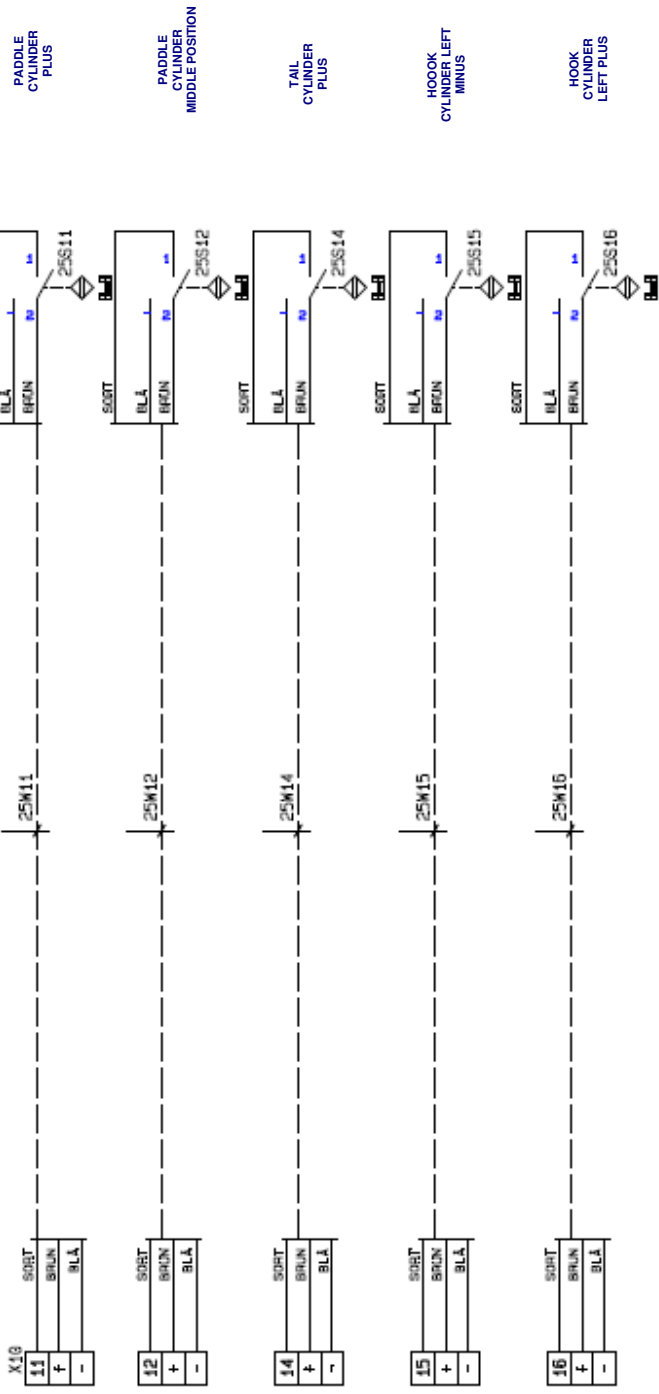
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Page: KP7  
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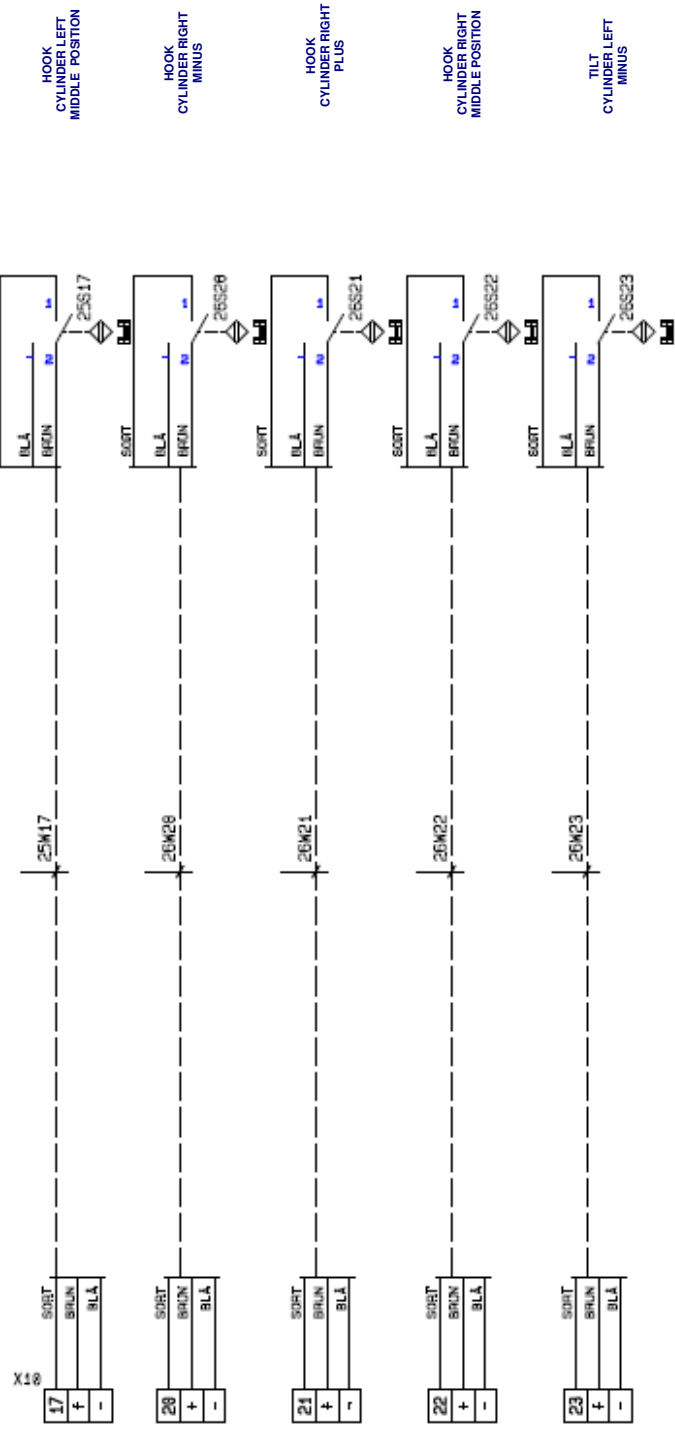


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Case name: CIRCUIT SCHEME  
Page title: CABLE PLAN 25W11

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Revision: KP7 of 66  
Page: KP8  
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HOOK CYLINDER LEFT MIDDLE POSITION

HOOK CYLINDER RIGHT MINUS

HOOK CYLINDER RIGHT PLUS

HOOK CYLINDER RIGHT MIDDLE POSITION

TILT CYLINDER LEFT MINUS



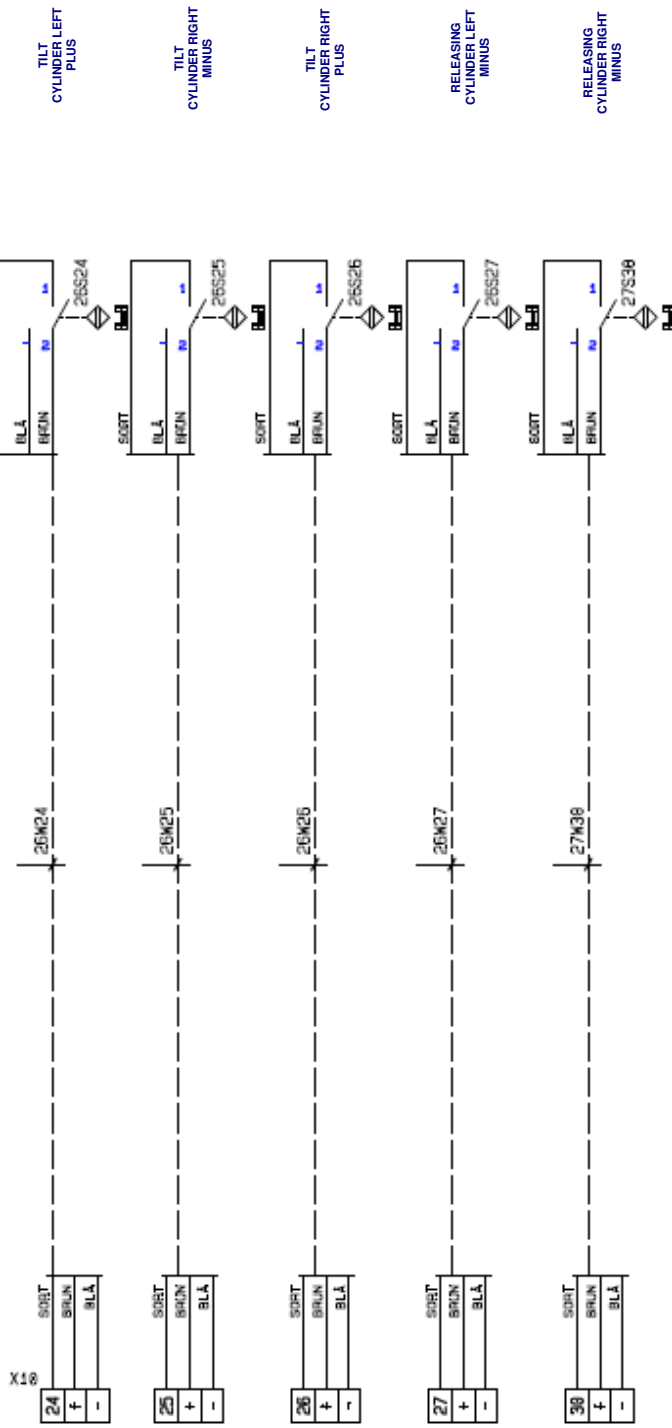
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 Drawing no. 31-08-2011  
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 Revision: KP8 of 66  
 Page: KP9  
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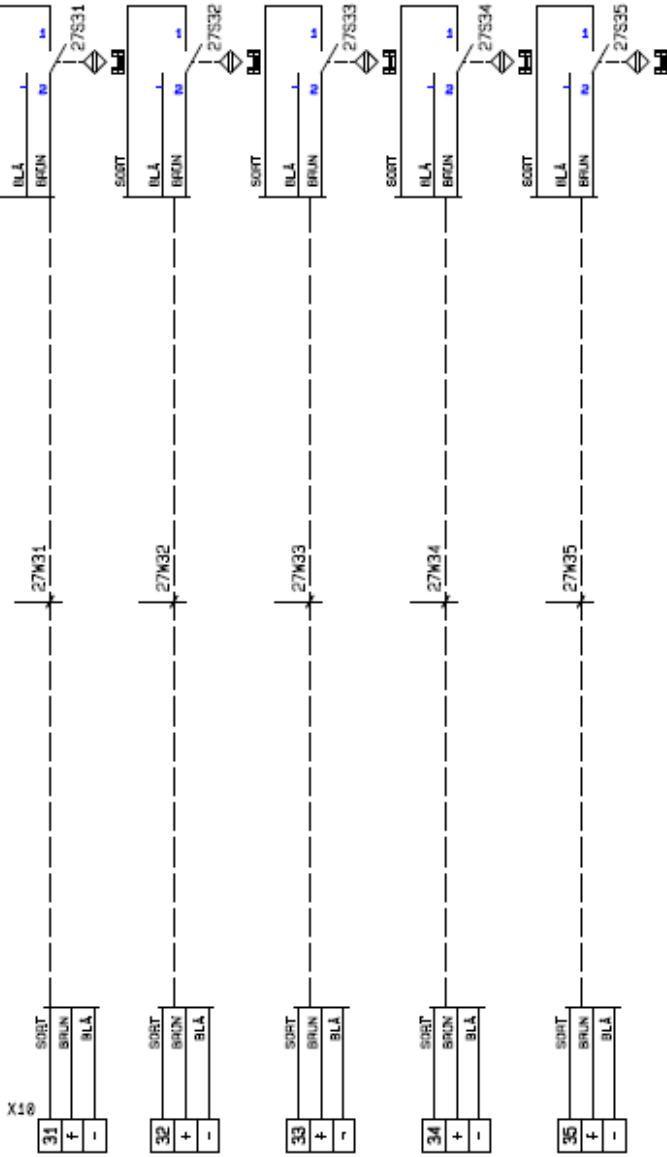
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Page: KPs of 66  
Next page: KP10



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Client: JASPOELS  
Project title: PELSROBOT 2011  
Case name: CIRCUIT SCHEME  
Page title: CABLE PLAN 27W31

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Drawing no. 2011-JAP-01  
Created: 31-08-2011

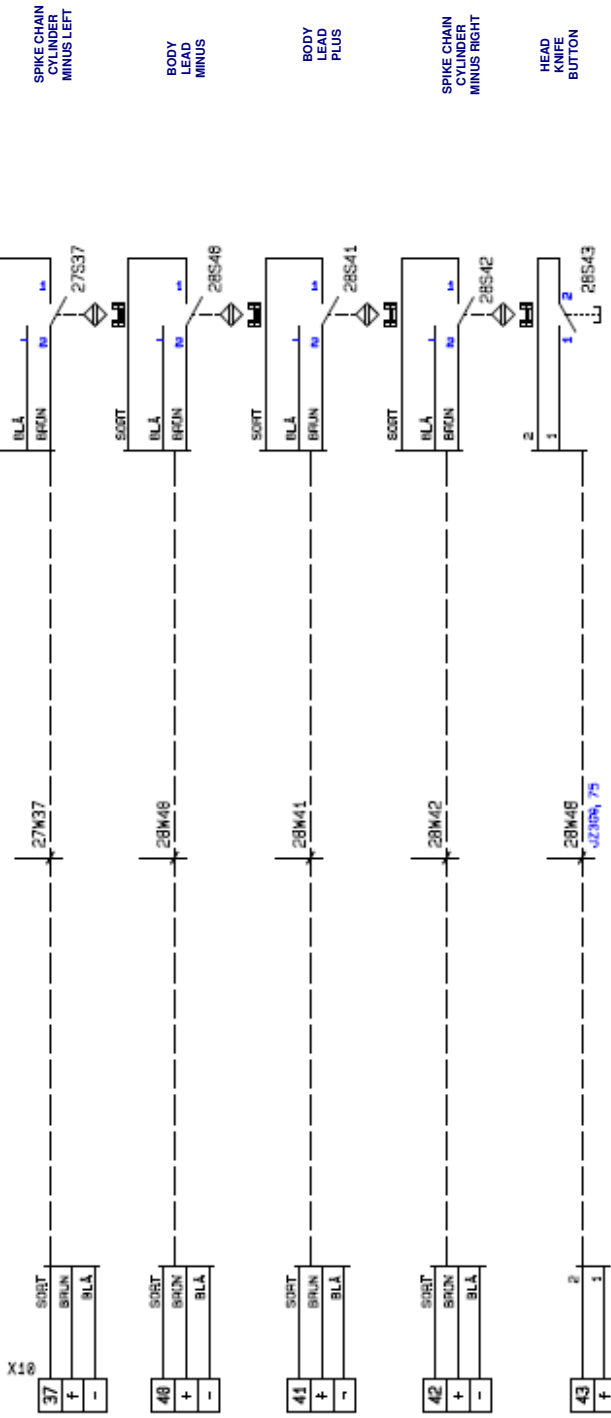
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Page: KP10 of 66  
Next page: KP11

PC SCHEMATIC AUTOMATION

FILE NAME: 2011-JAP-01

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Project title: PELSROBOT 2011  
Case name: CIRCUIT SCHEME  
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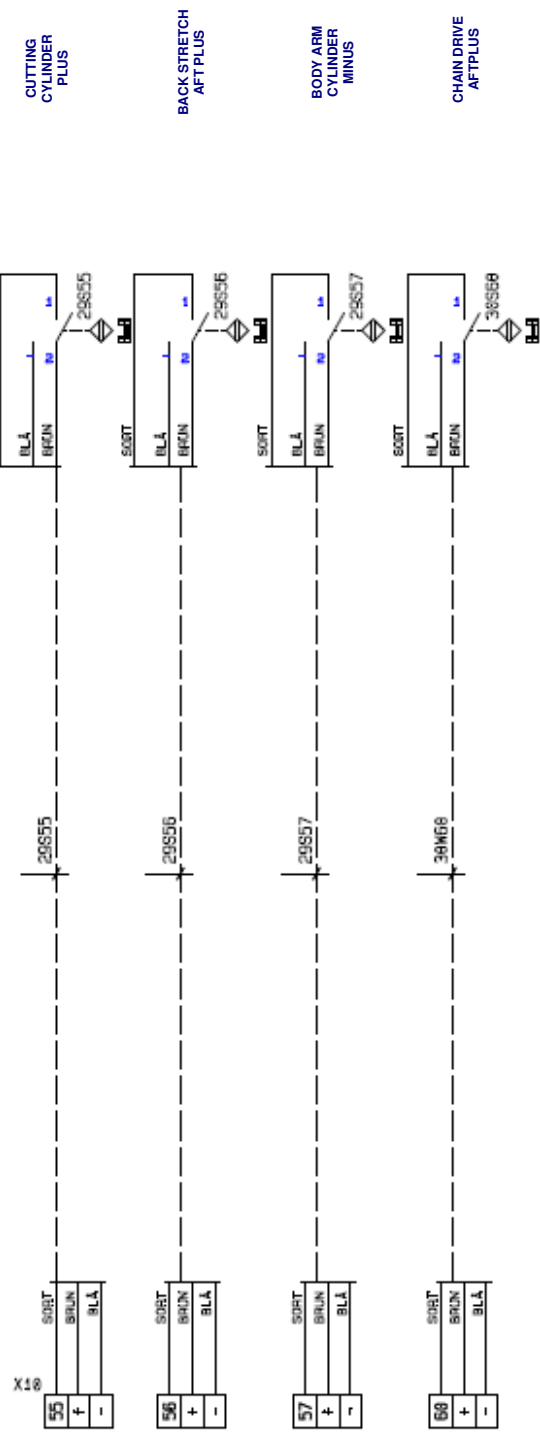
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Drawing no. 31-08-2011

Last printed: 19-10-2011 21:38:03  
Revision:  
Page: KP11 of 66  
Next page: KP12

CUTTING CYLINDER PLUS

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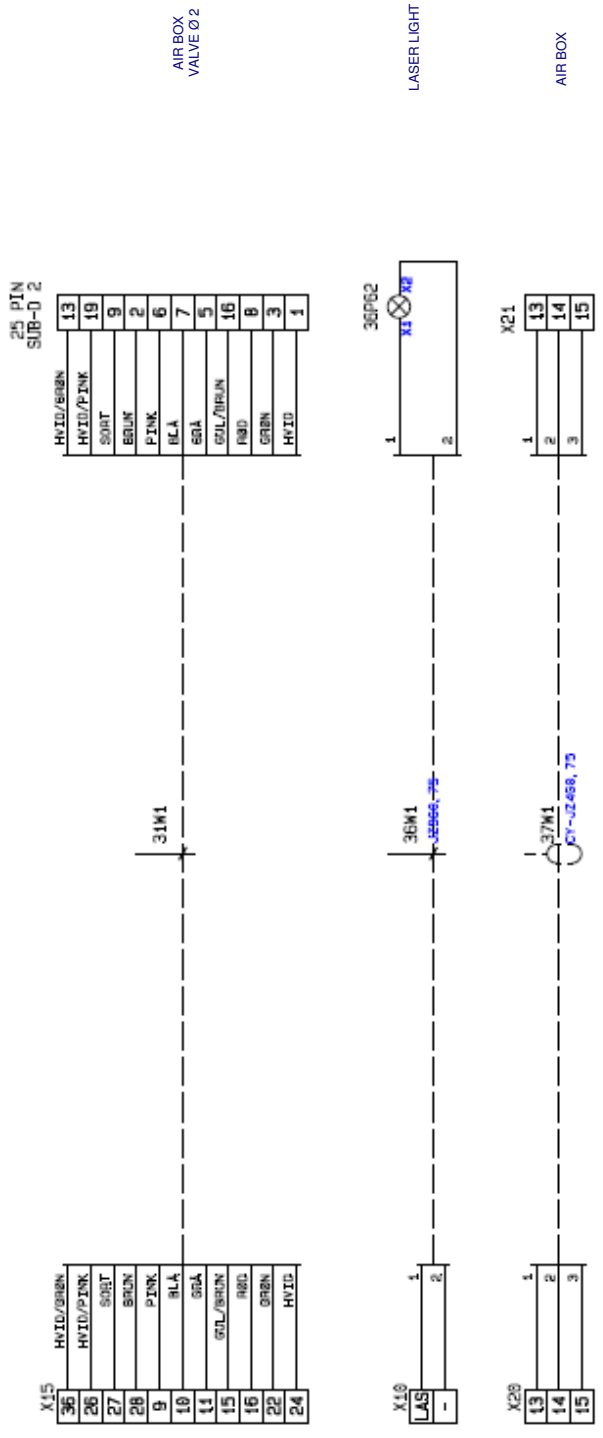


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 Revision:  
 Page: KP12 of 66  
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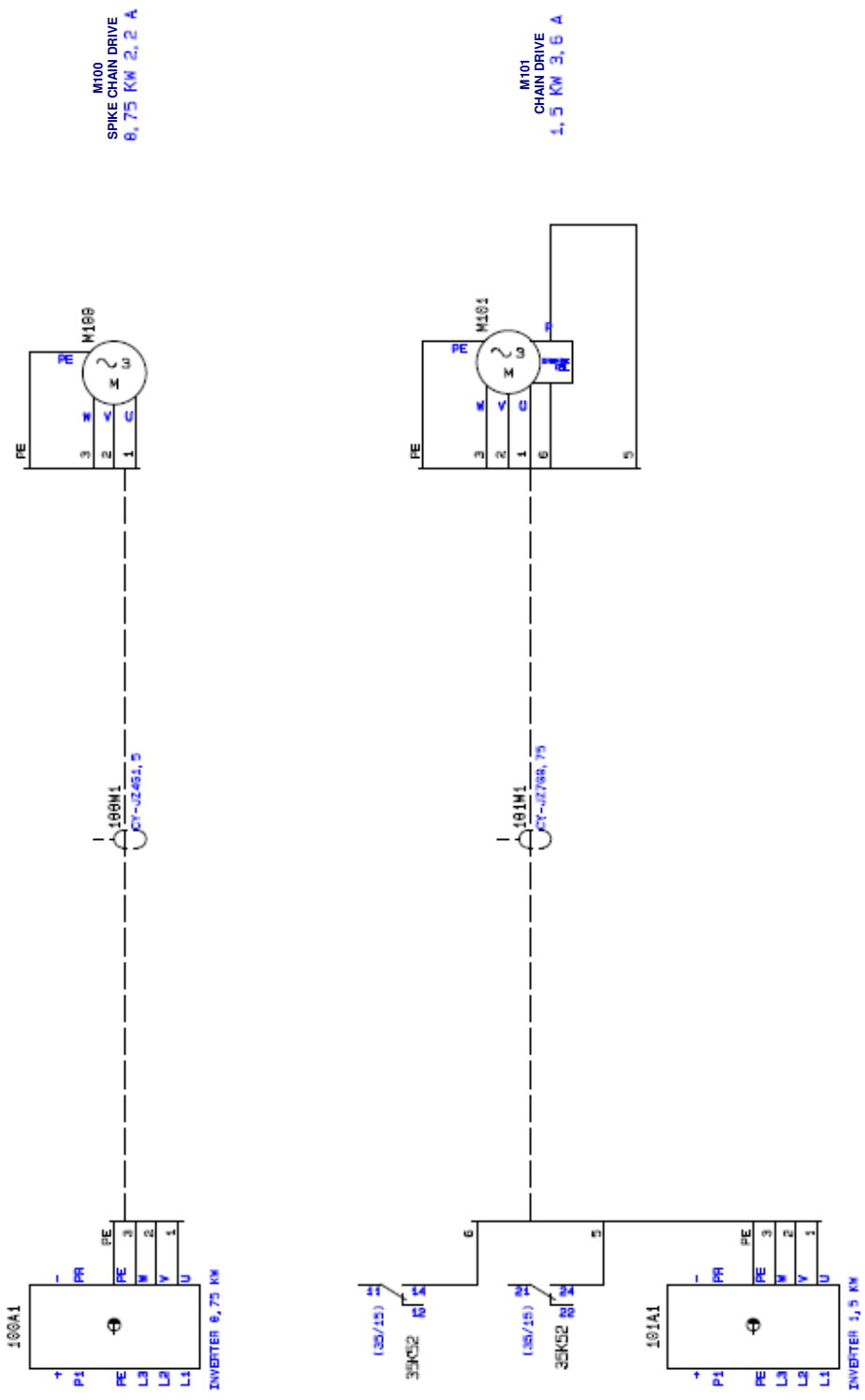
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Client: JASPELS  
 Project title: PELSROBOT 2011  
 Case name: CIRCUIT SCHEME  
 Page title: CABLE PLAN 31W1

Constructor: JOE  
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Last printed: 19-10-2011 21:38:03  
 Revision: KP13 of 66  
 Page: KP14  
 Next page: KP14

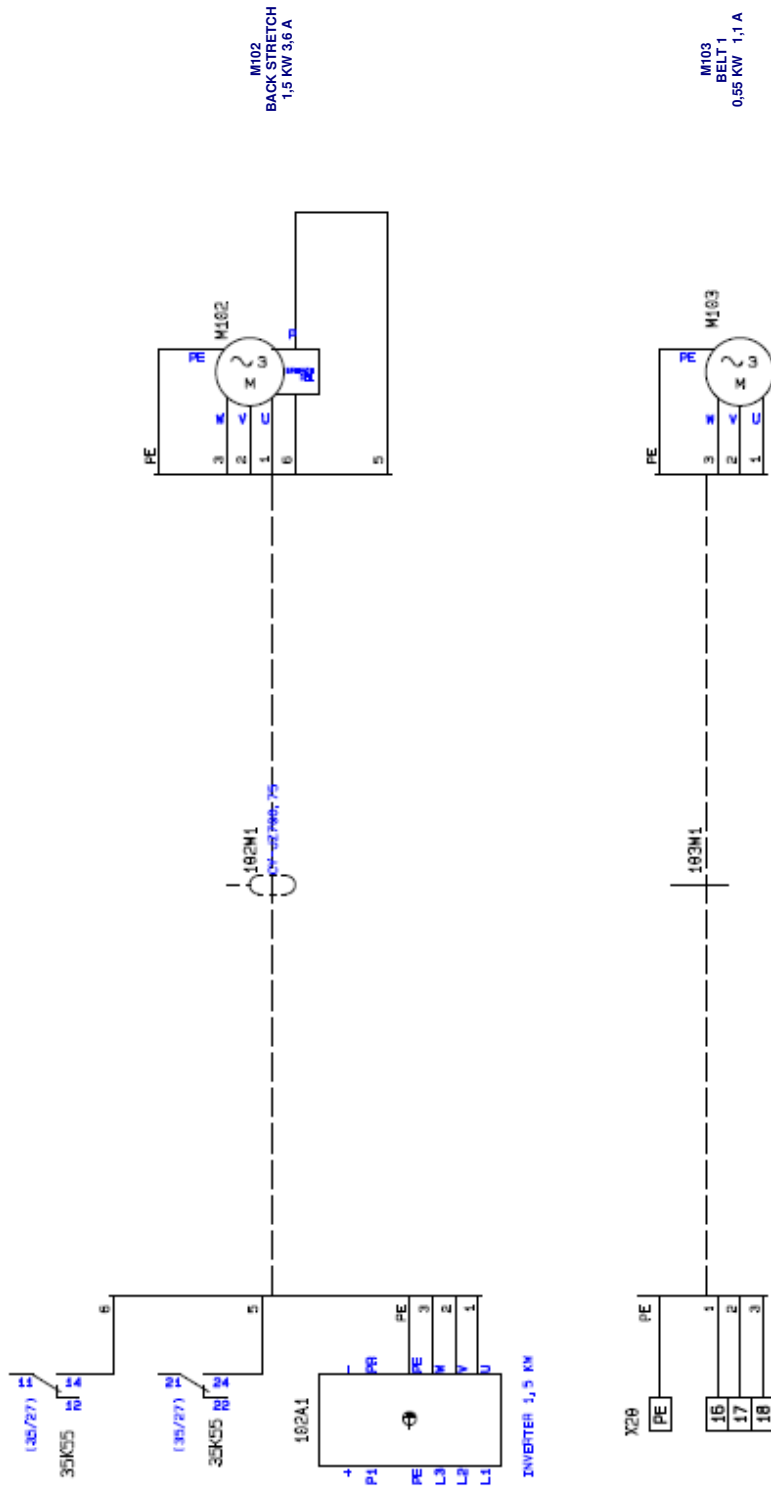


Client: JASPOELS  
 Project title: PELSROBOT 2011  
 Case name: CIRCUIT SCHEME  
 Page title: CABLE PLAN 100W1

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 Revision: KP14 of 66  
 Page: KP15  
 Next page:





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Project title: PELSROBOT 2011  
Case name: CIRCUIT SCHEME  
Page title: CABLE PLAN 102W1

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Revision:  
Page: KP15 of 66  
Next page:

