

Customer	: GENEVE PIPE
Project	: TRAVELING BUCKET
HM Subject Nr.	: 2476
Date	: 19. Aug. 2008
Signature	: KHS
Change date	: 06. Okt. 2008 by PMJ
CE Subject No.	: 500 08 167

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COLOUR CODE FOR WIRES:

110-600VAC/DC POWER CIRCUITS	L N	BLACK LIGHT BLUE
110-600VAC CONTROL CIRCUITS	L SIGNAL N	RED RED WHITE
24VDC CONTROL CIRCUITS	24VDC SIGNAL -/GND	DARK BLUE/WHITE DARK BLUE/WHITE DARK BLUE
24VAC CONTROL CIRCUITS	24VAC SIGNAL N	PINK PINK PINK/WHITE
ANALOG SIGNALS	4-20mA PT100	VIOLET
INTERLOCK CONTROL CIRCUITS, EXTERNAL POWER	AC/DC	YELLOW
PROTECTIVE CONDUCTOR	PE	YELLOW/GREEN

NUMBERING OF WIRES:
(IDENTIFICATION)

WIRES (CONDUCTORS) WILL BE IDENTIFIABLE AT EACH END.
EALL WIRES IN THE PANEL ARE NUMBERED AFTER THE
TERMINATION IN ACCORDANCE WITH THE DOCUMENTATION.
FOLLOWING PRINCIPLES AND PRIORITY:

- 1: POWER SUPPLIES: EX. L1, N1, 24VDC, 0VDC
- 2: DIAGRAM PAGE NO. + CONTINUOUS NO.: EX. 29.1

COLOUR CODE

EXTRACT FROM CODE TABEL 1 IEC 60757	COLOUR
COMBINATIONS CODE	
BK	BLACK
BN	BROWN
RD	RED
OG	ORANGE
YE	YELLOW
GN	GREEN
BU	BLUE
VT	PURPLE
GY	GREY
WH	WHITE
PK	PINK
GD	GOLD
TQ	TURQUOISE
SR	SILVER
GNYE	GREEN/YELLOW

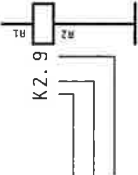
REFERENCE SYSTEM:

EXAMPLE: RELAY K2. 9

COMPONENT TYPE

PAGE 2

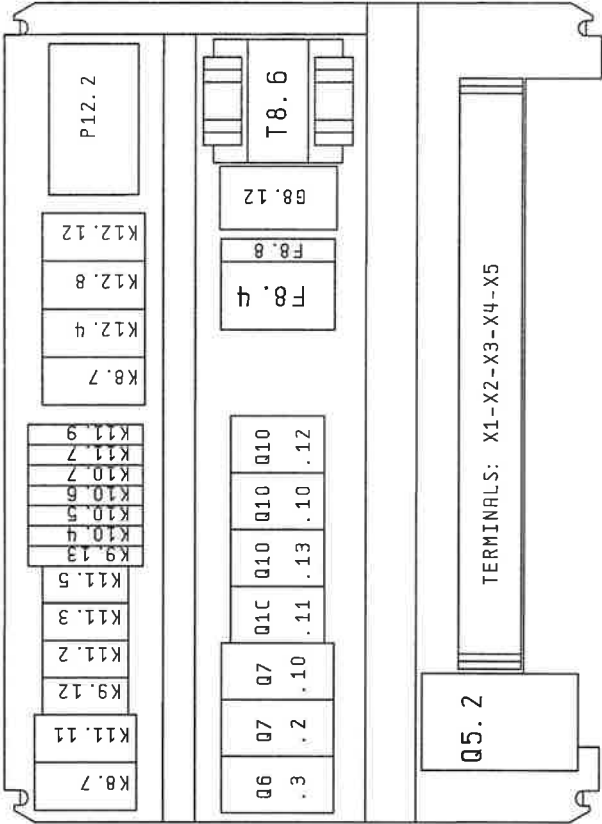
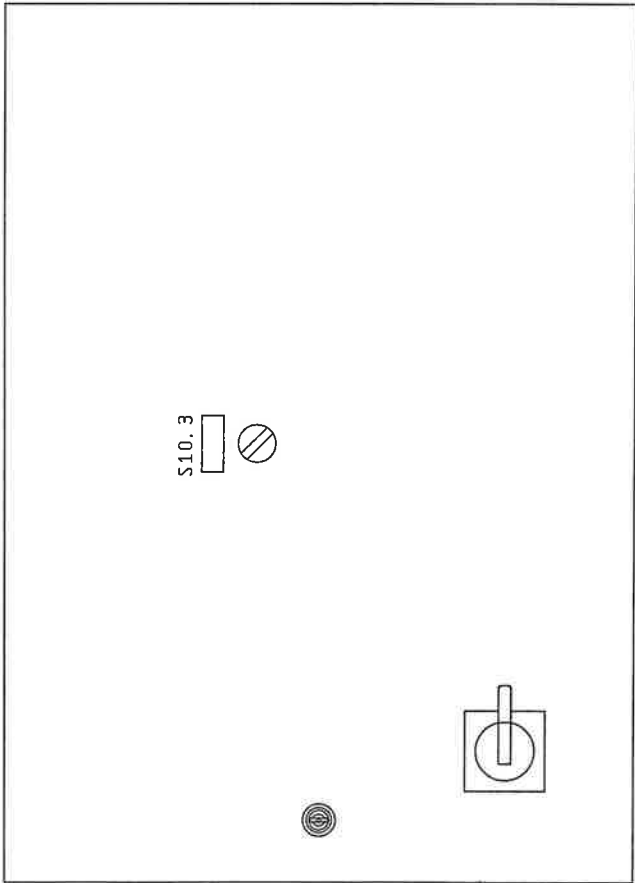
LINE NO. 9

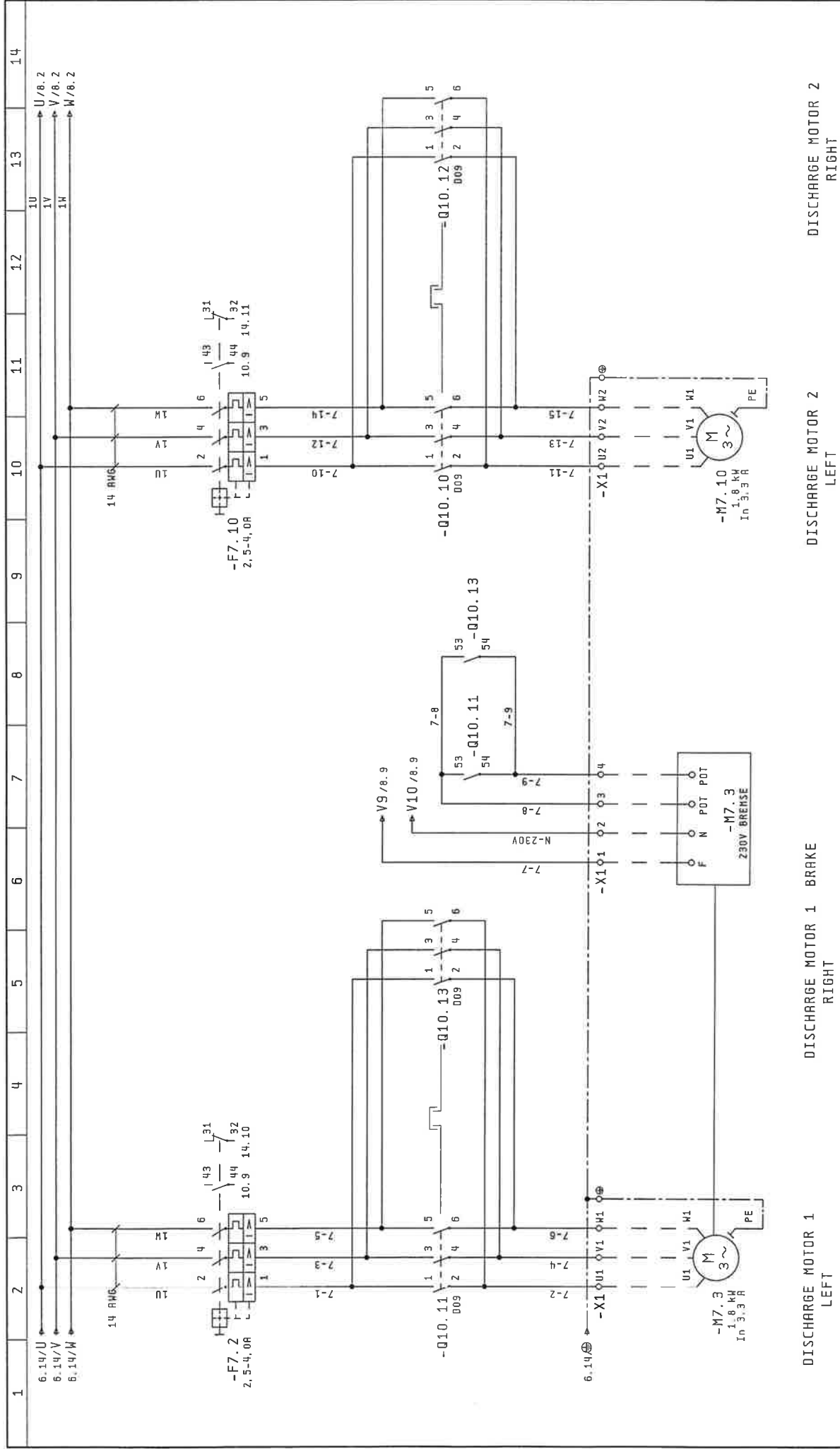


RELAY CONTACT REFERENCE:

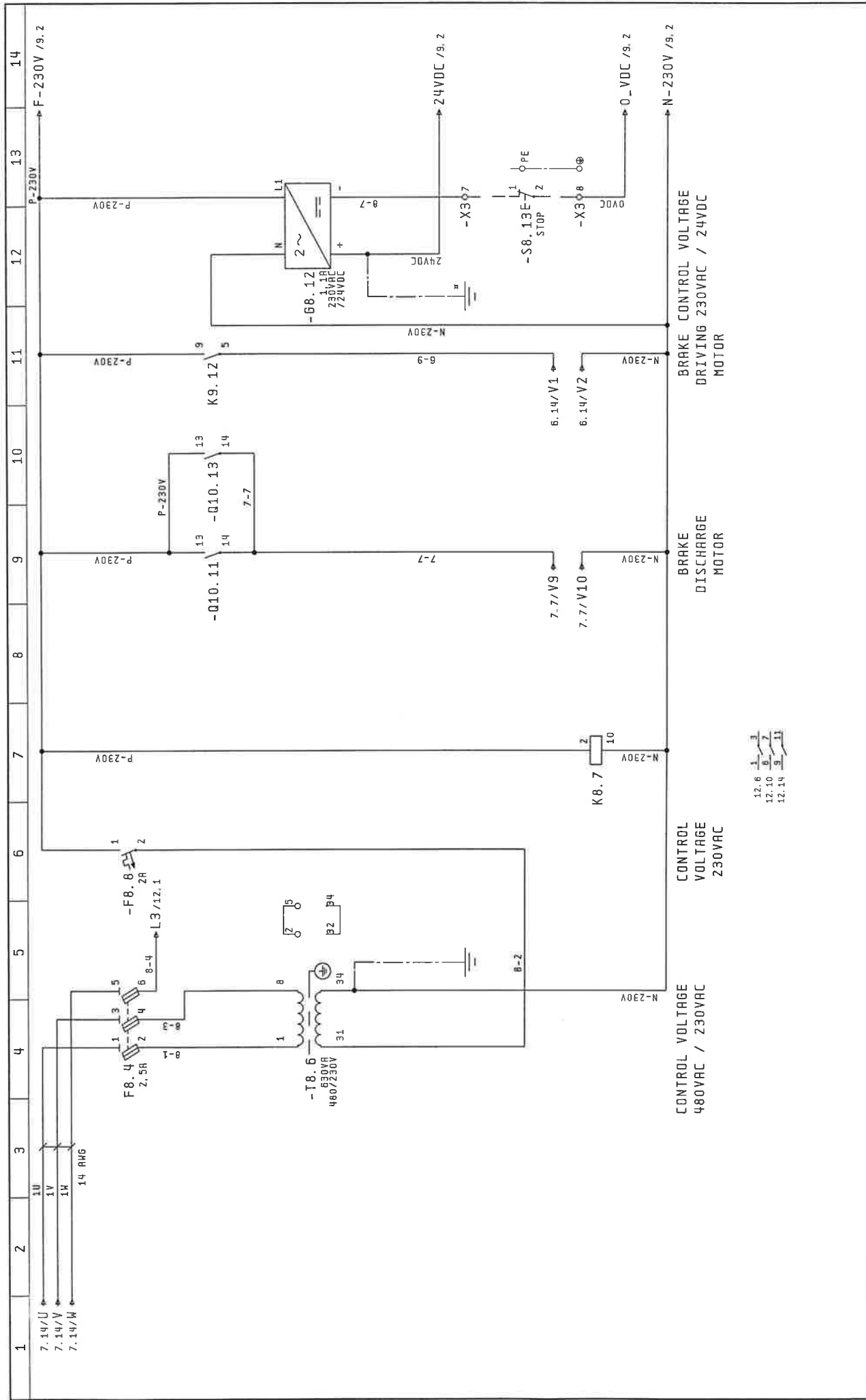
NORMALLY OPEN CONTACT
ON PAGE 3
IN LINE 2
NORMALLY CLOSED CONTACT

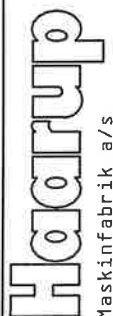
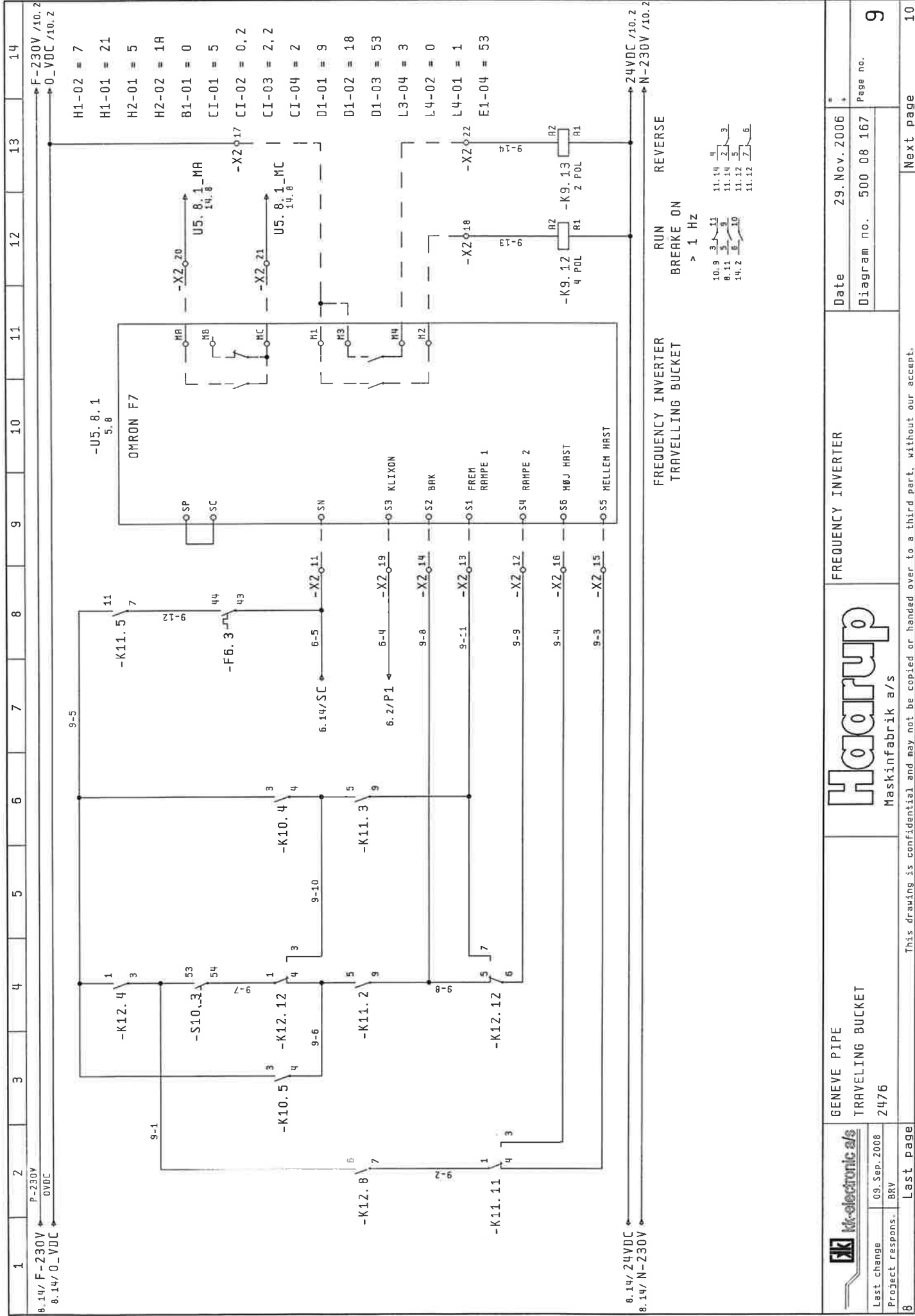
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 kk-electronic a/s	GENEVE PIPE TRAVELING BUCKET 2476		 Maskinfabrik a/s	MAIN CIRCUIT		Date	29. Nov. 2006	=		
						Diagram no.	500 08 167			
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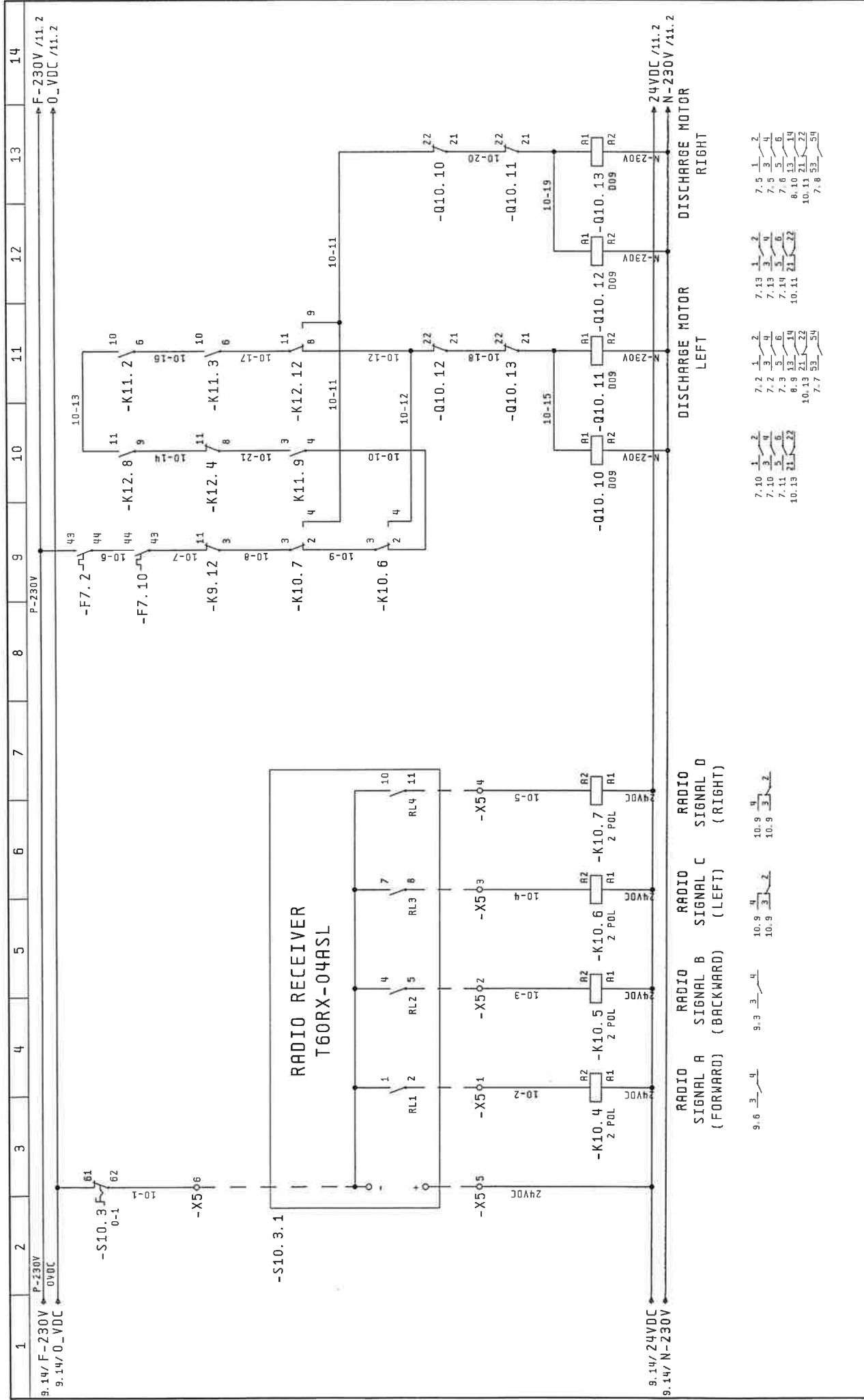


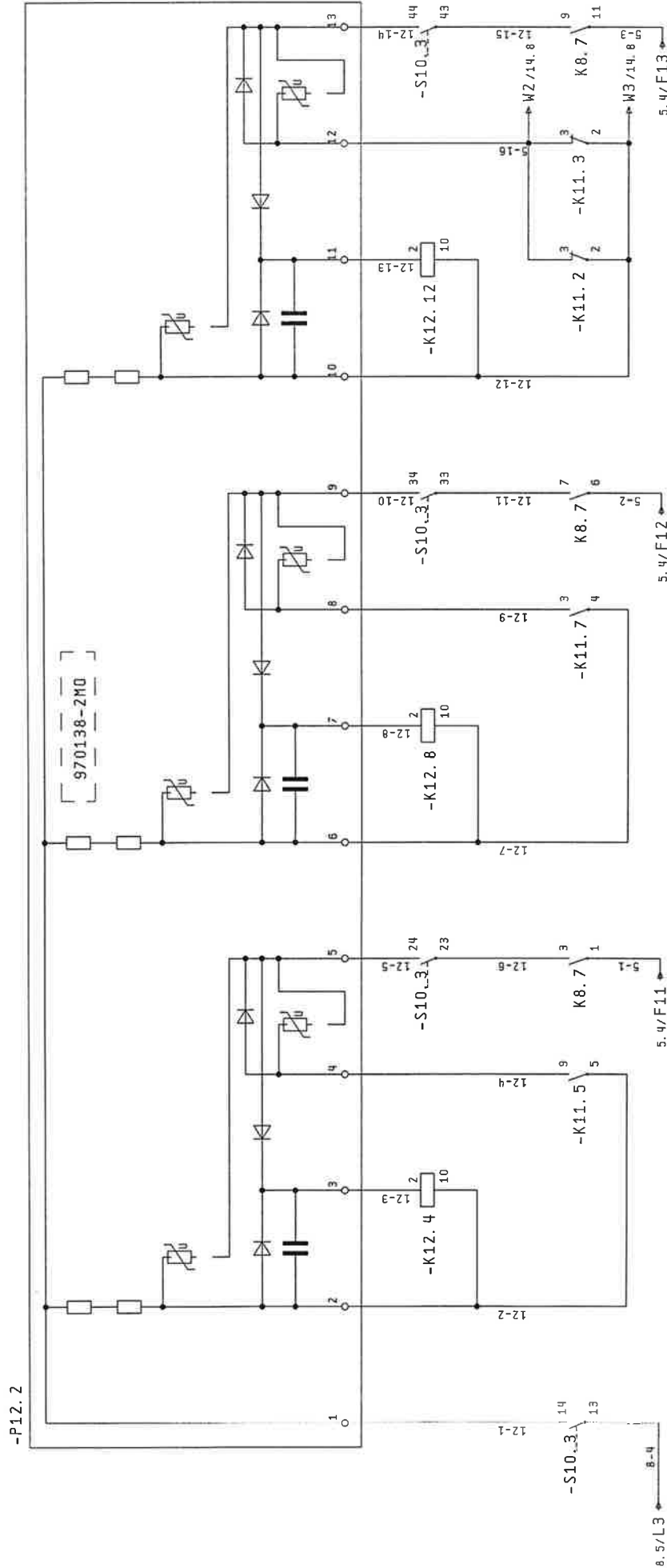


GENEVE PIPE
TRAVELING BUCKET
2476

FREQUENCY INVERTER

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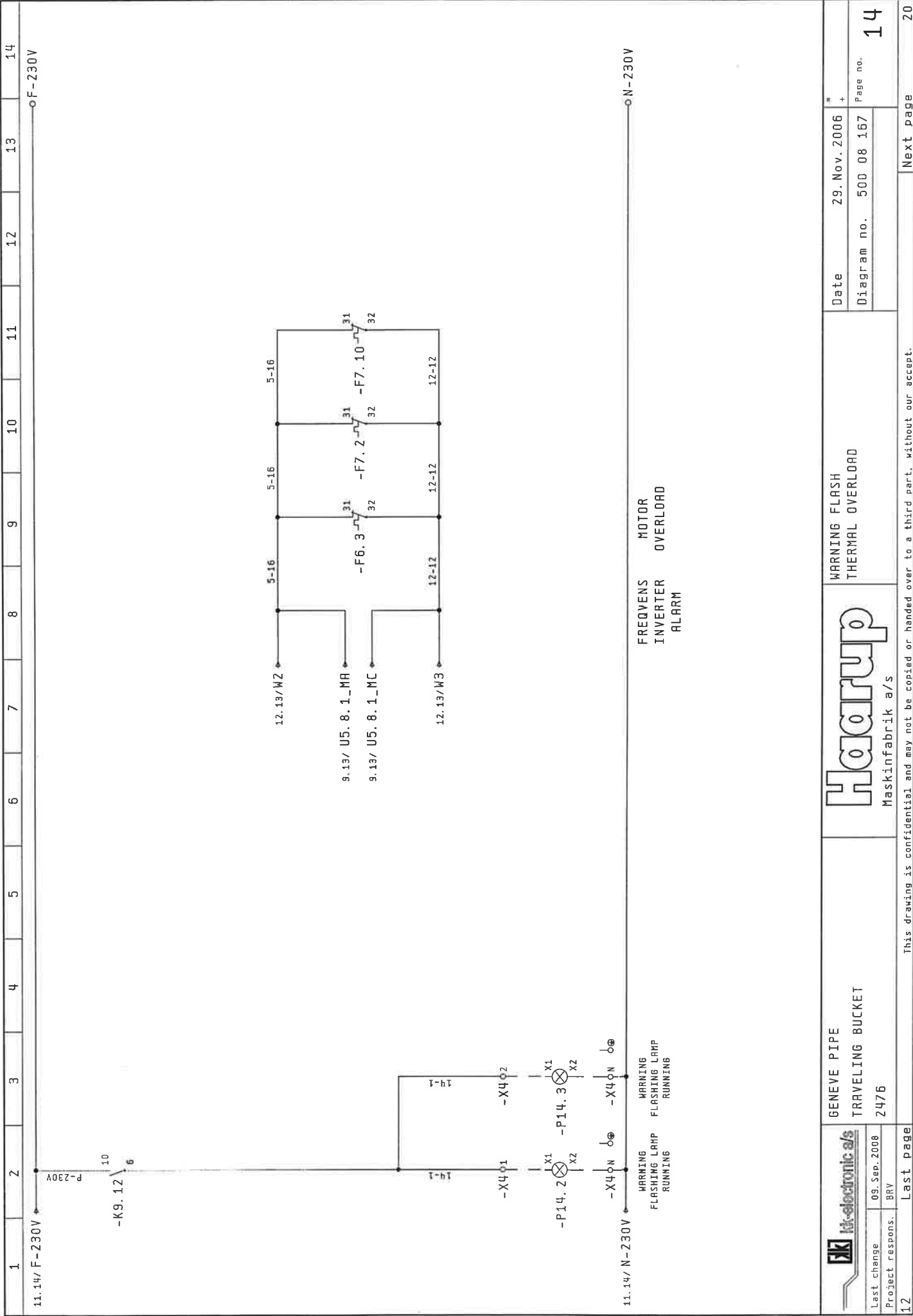




TRAVELLING BUCKET
AKT.: F11=RUN
TBM.: F11=BUCKET IN FILLING

TRAVELLING BUCKET
AKT.: F12=DISCHARGE / HIGH SPEED
TBM.: F12=FLUSHING POS.

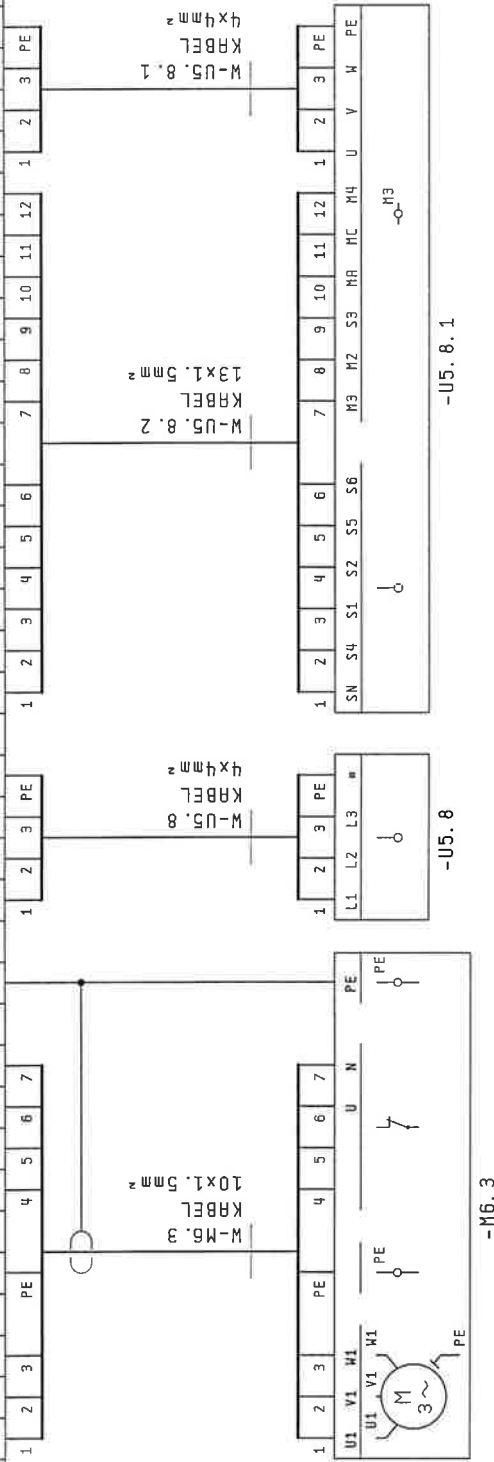
TRAVELLING BUCKET
AKT.: F13=FORWARD / DISCHARGE RIGHT
TBM.: F13=ERROR ON TRAVELLING BUCKET



1	2	3	4	5	6	7	8	9	10	11	12	13	14
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Terminals

-X2

[illegible]

DRIVING MOTOR
TRAVELLING BUCKET

POWER TO FREQUENCY
INVERTER

SIGNALS FREQUENCY
INVERTER

POWER FROM FREQUENCY INVERTER

NOX17K

BRAKE


kk-electronic a/s

GENEVE PIPE
TRAVELING BUCKET
2476

Hagrup

X2 TERMINAL
MAIN CIRCUIT CONNECTION
CONTROL VOLTAGE
FREQUENCY INVERTER

Date 29. Nov. 2006

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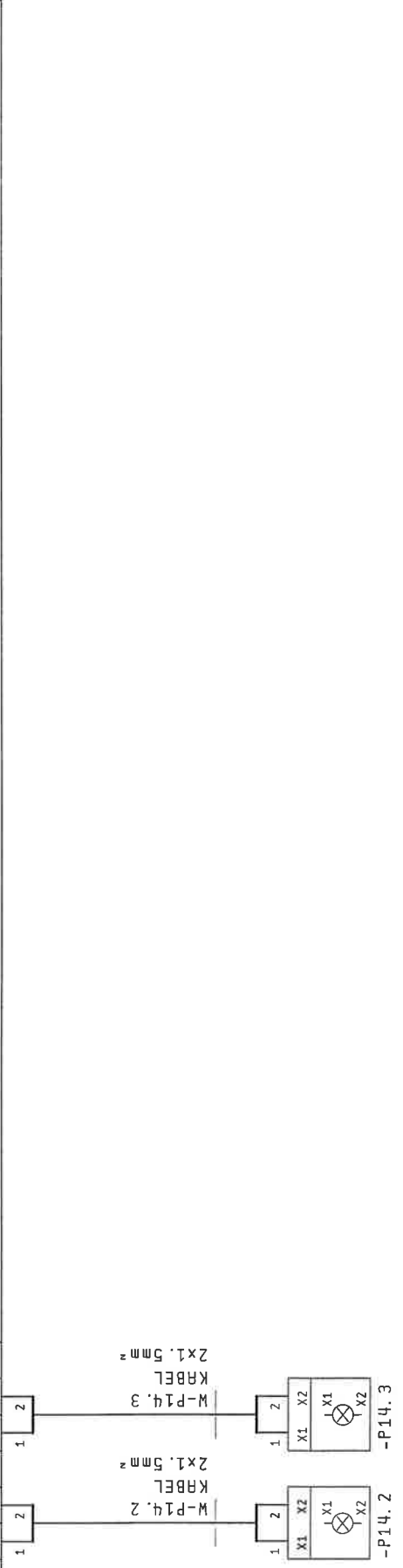
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Terminals -X4													
Page/Path- Number	/14.2	/14.2	/14.3	/14.3	/14.3								
Jumper													
Fuse													
PLC- Designation													
Terminal No.	1	N	2	N	1	2	N	2	N	1	2	N	2



WARNING FLASHING LAMP

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Terminals -X5													
Page/Path- Number	/10.4	/10.5	/10.6	/10.7	/10.8	/10.9	/10.10	/10.11	/10.12	/10.13	/10.14		
Jumper													
Fuse													
PLC- Designation													
Terminal No.	1	2	3	4	5	6							
W-S10.3.1 KABEL 7x1.5mm² 123456 25811+- 12 -S10.3.1													
" " " " " " " " " " " " " " " "													
GENEVE PIPE TRAVELING BUCKET 2476				Haarup Maskinfabrik a/s				X5 TERMINAL RADIO RECEIVER				Date 29.Nov.2006 Diagram no. 500 08 167 Page no. 25	
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Parts List

Item Designation	Amount	Designation	Type Number	Manufacturer	Page
-Q5.2	1	MOLDED CASE CIRCUIT BREAKER 20 A	140U-H2C3-C20	ALLEN BRADLEY	/5.2
-Q5.2	1	ROTARY HANDLE RED/YELLOW	140U-H-RVM12R	ALLEN BRADLEY	/5.2
-F6.3	1	CIRCUIT BREAKER 6-10A UL	GV2P14H7	TELEMECANIQUE	/6.3
-F6.3	1	AUX. CONTACT 1S+1B	GVAN11	TELEMECANIQUE	/6.3
-F6.3	1	TERMINAL FOR GV2P/UL	GV2GH7	TELEMECANIQUE	/6.3
-F7.2	1	CIRCUIT BREAKER 2.5-4.0A UL	GV2P08H7	TELEMECANIQUE	/7.2
-F7.2	1	AUX. CONTACT 1S+1B	GVAN11	TELEMECANIQUE	/7.2
-F7.2	1	TERMINAL FOR GV2P/UL	GV2GH7	TELEMECANIQUE	/7.2
-F7.10	1	CIRCUIT BREAKER 2.5-4.0A UL	GV2P08H7	TELEMECANIQUE	/7.10
-F7.10	1	AUX. CONTACT 1S+1B	GVAN11	TELEMECANIQUE	/7.10
-F7.10	1	TERMINAL FOR GV2P/UL	GV2GH7	TELEMECANIQUE	/7.10
-F8.4	1	HOLDER 3P	USCC3	FERRAZ	/8.4
-F8.4	3	FUSE 2.5A	ATQR2-1/2	FERRAZ	/8.4
-T8.6	1	TRAFO 400/230V 250VA	4AM4042-5AT10-0FA0	SIEMENS	/8.4
-F8.8	1	MINI CIRCUIT BREAKER 1P 2A C 6KA	24306	MERLIN GERIN	/8.6
-K8.7	1	RELAY 3P 230VAC 10A	MT326230	SCHRACK	/8.7
-K8.7	1	SOCKET 11P	PF113A-N	OMRON	/8.7
-G8.12	1	POWER SUPPLY 050-240V/2.1A	S8VM-05024CD	OMRON	/8.12
-K9.12	1	RELAY 4P 24VDC W/LED	RXM4AB2B0	TELEMECANIQUE	/9.12
-K9.12	1	SOCKET 4P 6A	RXZE2S114M	TELEMECANIQUE	/9.12
-K9.13	1	RELAY 2P 24VDC W. led & test button	G2R-2-SNDI-24DC	OMRON	/9.13
-K9.13	1	SOCKET F/G2R-2	P2RF-08-E	OMRON	/9.13
-S10.3	1	ROTARY SWITCH 0-1 1NO	XB48D21	TELEMECANIQUE	/10.3
-S10.3	1	AUX. CONTACT 1B	ZBE102	TELEMECANIQUE	/10.3
-S10.3	4	AUX. CONTACT 1S	ZBE101	TELEMECANIQUE	/10.3
-K10.4	1	RELAY 2P 24VDC W. led & test button	G2R-2-SNDI-24DC	OMRON	/10.4
-K10.4	1	SOCKET F/G2R-2	P2RF-08-E	OMRON	/10.4
-K10.5	1	RELAY 2P 24VDC W. led & test button	G2R-2-SNDI-24DC	OMRON	/10.5
-K10.5	1	SOCKET F/G2R-2	P2RF-08-E	OMRON	/10.5
-K10.6	1	RELAY 2P 24VDC W. led & test button	G2R-2-SNDI-24DC	OMRON	/10.6
-K10.6	1	SOCKET F/G2R-2	P2RF-08-E	OMRON	/10.6
-K10.7	1	RELAY 2P 24VDC W. led & test button	G2R-2-SNDI-24DC	OMRON	/10.7
-K10.7	1	SOCKET F/G2R-2	P2RF-08-E	OMRON	/10.7
-Q10.10	1	CONTACTOR 9A 230VAC	LC1009P7	TELEMECANIQUE	/10.10

 kk-electronic a/s		GENEVE PIPE	Haarup Maskinfabrik a/s	PARTS LIST	Date	29. Nov. 2006	*
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