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Revision	2.0	Drawn by	FPa
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Date	29.07.16	Dr.ch.by	Fma
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10-MGD BaNa 5  
WAA0004186  
Danang / Vietnam

File: BRWAA4186

 Doppelmayr

Innova Patent GmbH  
A-6960 WOLFURT / AUSTRIA

® INDEX

RETURN STATION

PARKING

=A2+011

Date 19.09.16

Sheet : 1

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## LOCATION:

A1 ... DRIVE STATION  
A2 ... RETURN STATION  
A3 ... MIDDLE STATION  
  
O1 ... CONTROL PANEL  
O3 ... STATION  
O11... PARKING  
O141.. R.M.C. 1  
O142.. R.M.C. 2  
O143.. R.M.C. 3  
O144.. R.M.C. 4 OPTIONAL  
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O148.. R.M.C. 8 OPTIONAL  
O149.. R.M.C. 9 OPTIONAL  
O160.. R.M.C. 10 OPTIONAL  
O161.. R.M.C. 11 OPTIONAL  
O162.. R.M.C. 12 OPTIONAL

## TERMINAL STRIP:

X1 ... POWER SUPPLY 24V/DC  
X2 ... THREE-PHASE MOTORS  
X3... MAGNETIC CLUTCH / HEATER  
X4 ... POWER SUPPLY (AC)  
X5 ... SPINDLE MOTOR  
X6 ... LIMIT SWITCHES  
X7 ... BRAKE RESISTOR  
X8 ... REMOTE CONTROLS  
X9 ... SIGNALISATION  
X10... KLIXON  
X23... CONNECTIONS TO MAIN CONTROLS  
X41... PRINT DIAGRAM FOR PARKING  
X100... CONTROL STO

## CHARACTERISTIC FEATURES OF THE SWITCHGEAR ASSEMBLY BY EN61439-1:

ELECTRICAL NETWORK	
POWER SYSTEM BY TYPE OF GROUND CONNECTION	TN-C-S
RATED VOLTAGE ( $U_n$ )	400V
ALLOWED VOLTAGE DEVIATION AT THE CONNECTION OF SUPPLY	+/-5%
RATED FREQUENCY ( $f_n$ )	50Hz
RATED IMPULSE STRENGTH VOLTAGE ( $U_{imp}$ )	2,5kV
RATED INSULATION VOLTAGE ( $U_i$ )	500V
SHORT CIRCUIT RATING	
MAXIMUM PROSPECTIVE SHORT-CIRCUIT CURRENT AT THE CONNECTION OF SUPPLY < 10kA ROOT MEAN SQUARE	
PROTECTION OF PERSONS AGAINST ELECTRIC SHOCK BY IEC 60364-4-41	
KIND OF PROTECTION AGAINST ELECTRIC SHOCK - BASIC PROTECTION	BASIC PROTECTION BY CONSTRUCTIVE MEASURES
KIND OF PROTECTION AGAINST ELECTRIC SHOCK - FAULT PROTECTION	PROTECTIVE MULTIPLE EARTHING
INSTALLATION ENVIRONMENT	
INSTALLATION AREA	OUTDOOR
PROTECTION CLASS	CABINET BOTTOM SIDE: IPX1B, REMAINING PARTS OF THE CABINET: IP21
AMBIENT TEMPERATURE	-25°C - +30°C
POLLUTION DEGREE	2
EMC - ENVIRONMENT	A
MAX. HUMIDITY	100%
CURRENT CARRYING CAPACITY	
RATED CURRENT ( $I_{nA}$ )	SEE OVERCURRENT PROTECTION DEVICES
RATED CURRENT ( $I_{nc}$ )	SEE OVERCURRENT PROTECTION DEVICES

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Revision 2.0 Drawn by FPa

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INFORMATION

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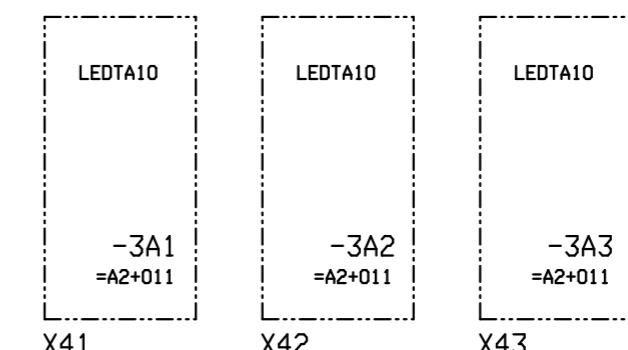
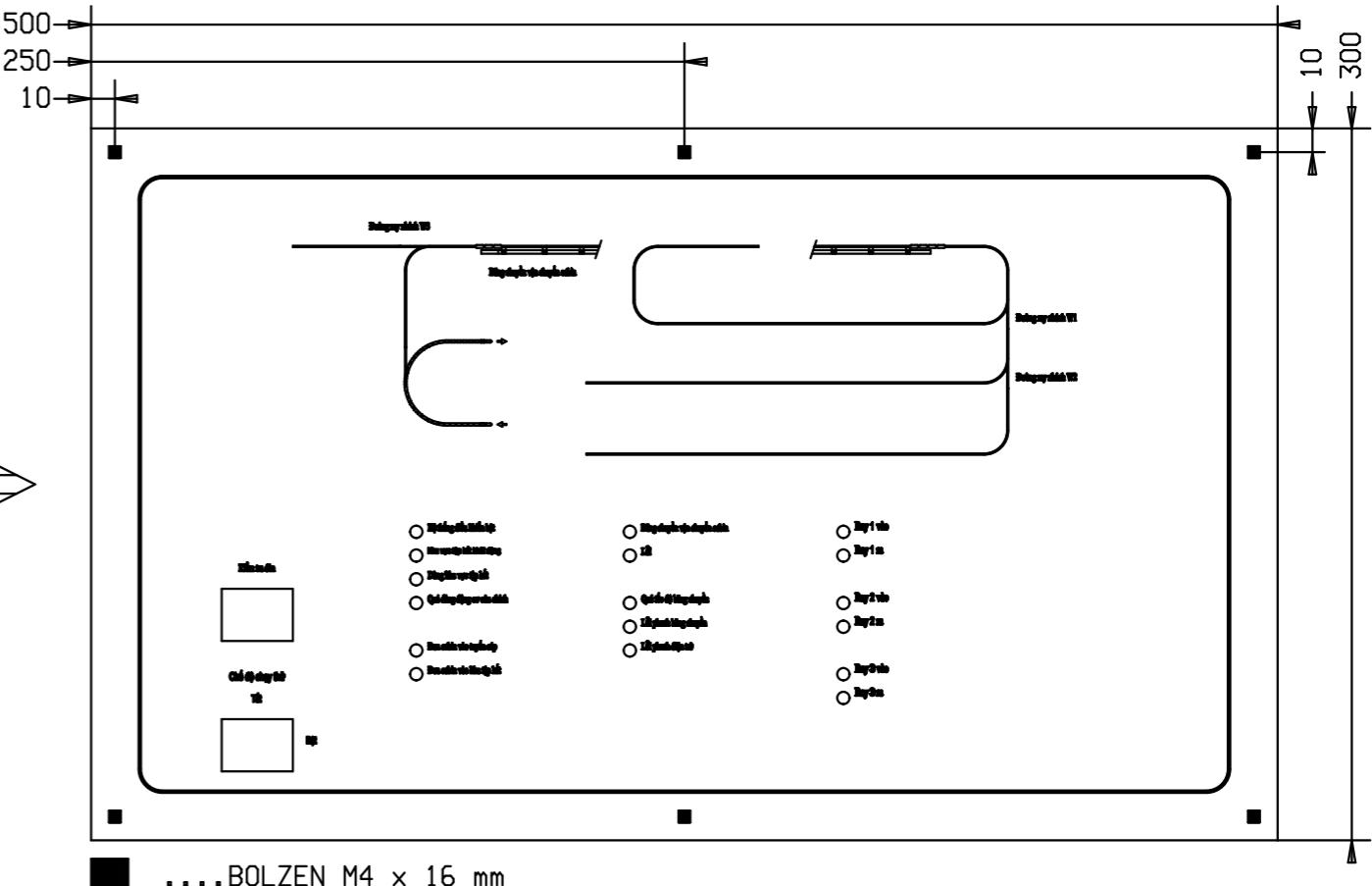
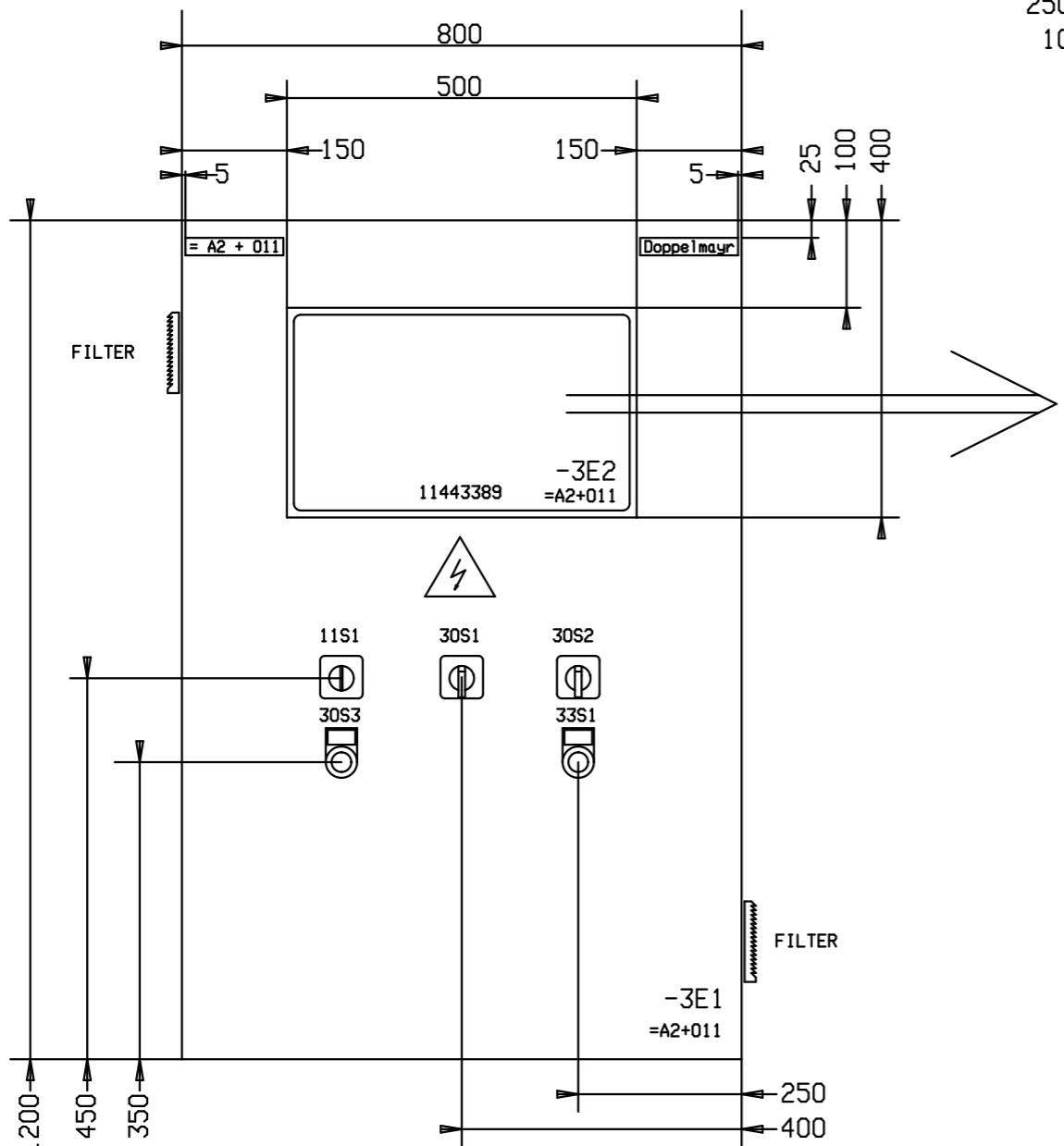
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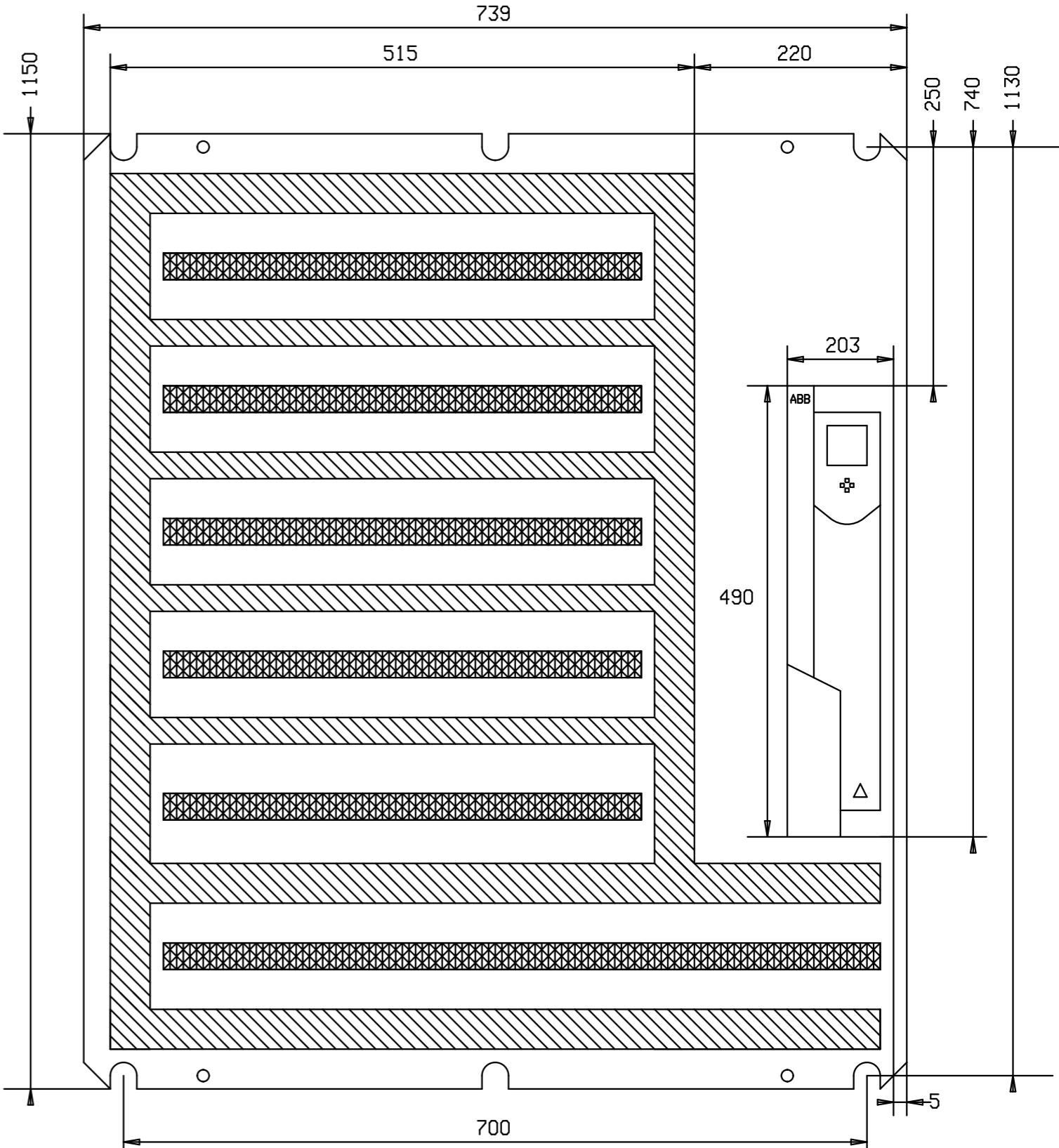
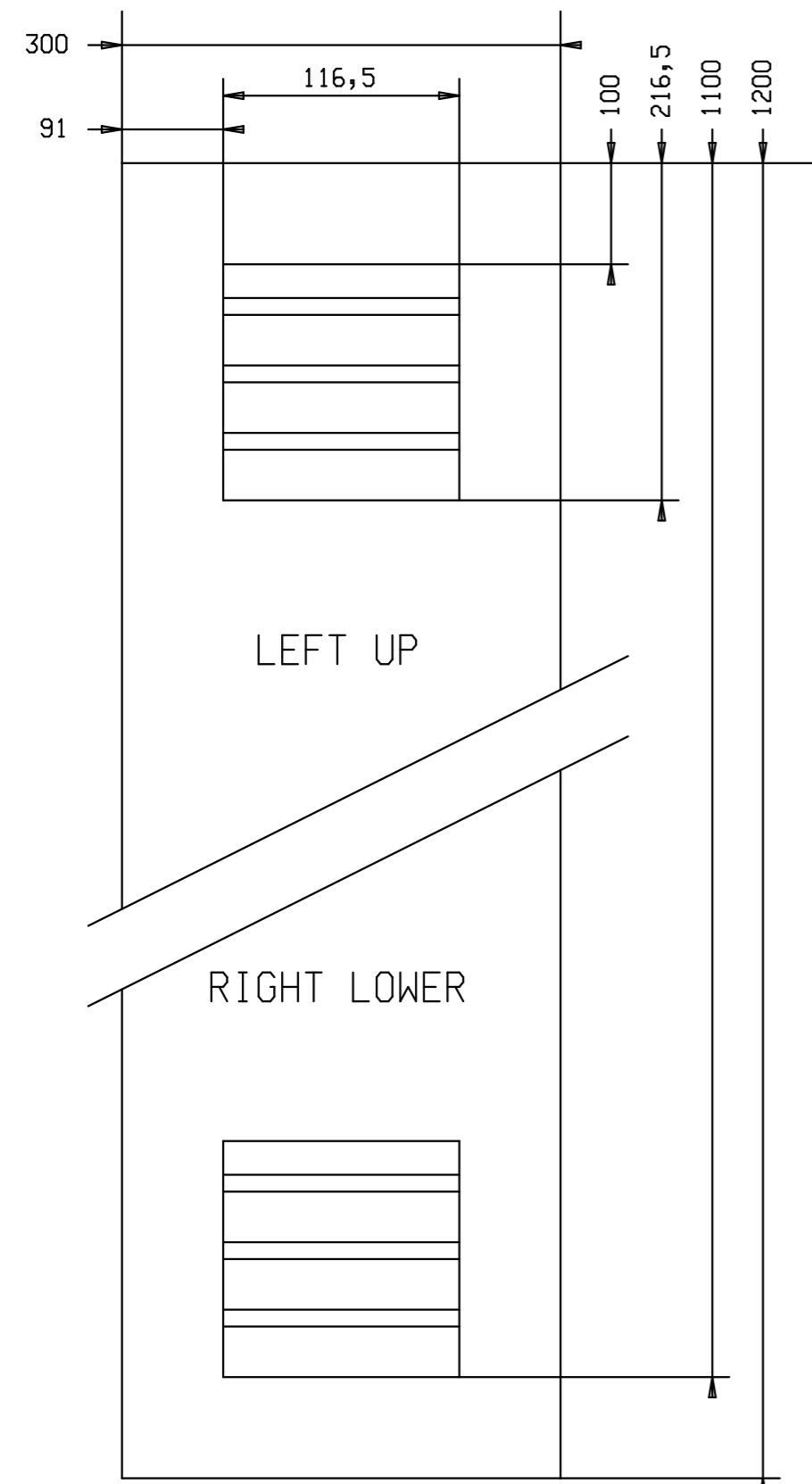


11S1 CONTROL VOLTAGE ON  
 33S1 STOP BUTTONS  
 30S1 OPERATING MODE  
 30S2 CARRIER  
 30S3 RESET / START PARKING AREA

-3E11 =A2+011 1x STICKER - ATTENTION - ELECTRICITY  
 -3E12 =A2+011 1x STICKER - "Doppelmayr-Logo"  
 -3E13 =A2+011 1x STICKER - "=A2+011"  
 -3E14 =A2+011 2x AIR FILTER

Revision	2.0	Drawn by	FPa	10-MGD BaNa 5 WAA0004186 Danang / Vietnam	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	© CONTROL PANEL DIMENSIONS	=A2+011
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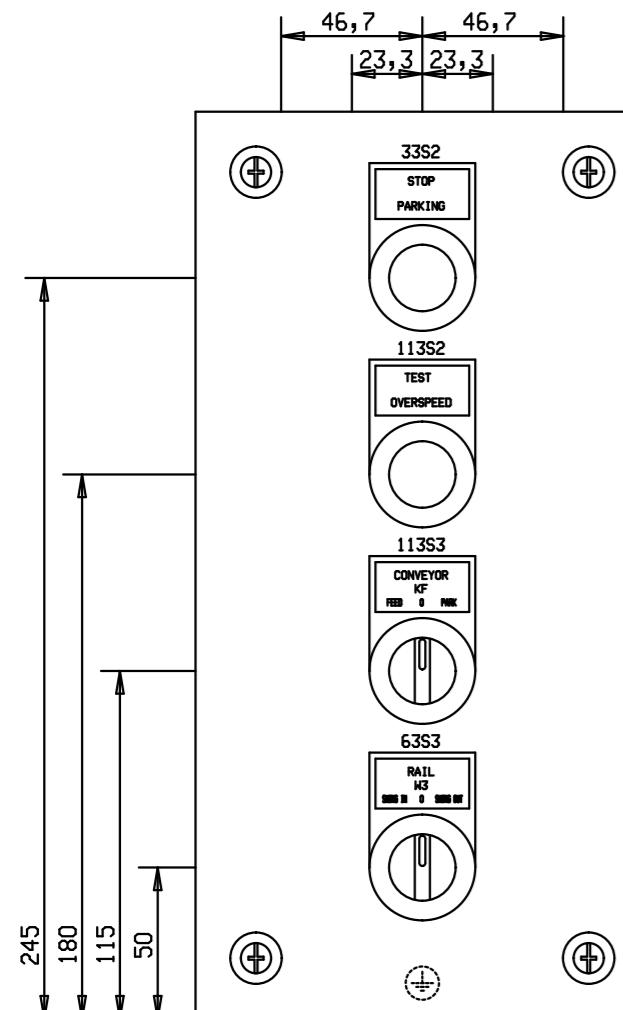
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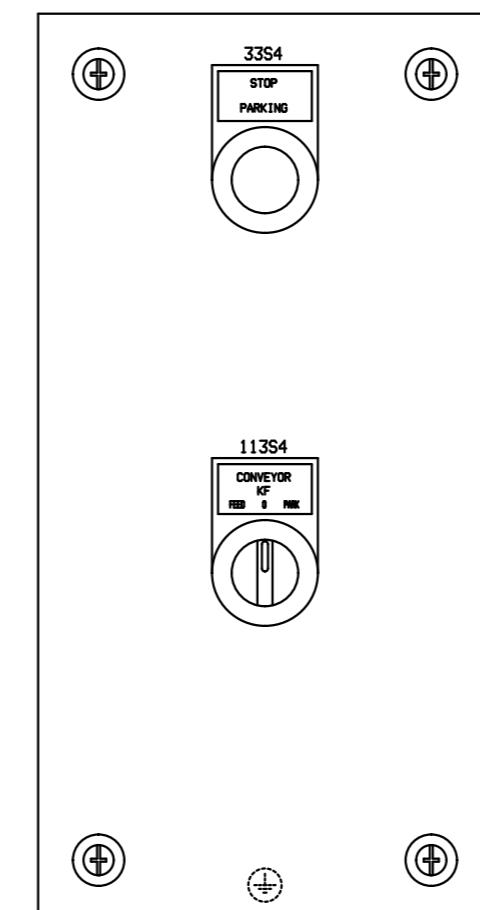
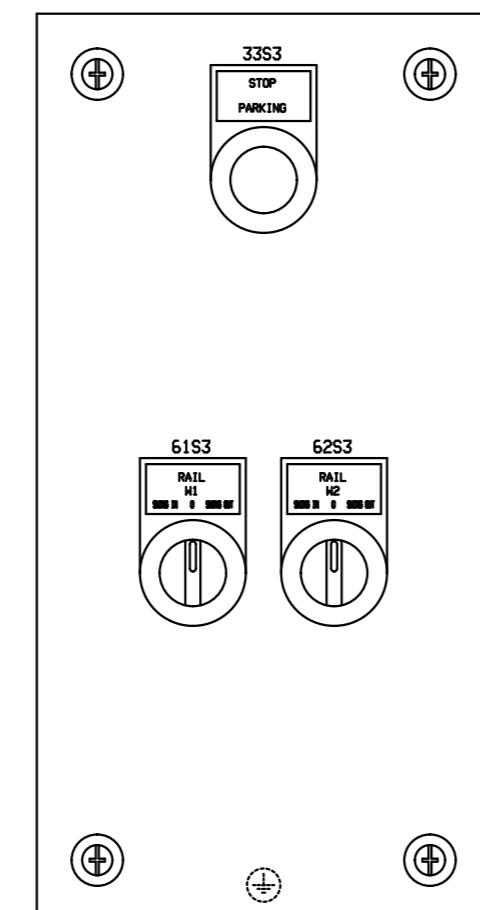
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<b>File:</b> BRWAA4186			

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A

R.M.C. 1  
ID.NR.: 11520555-5E1  
=A2+0141R.M.C. 2  
ID.NR.: 11520556-5E2  
=A2+0142R.M.C. 2  
ID.NR.: 11520557-5E3  
=A2+0143

B



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## CONTROL PANEL DIMENSIONS

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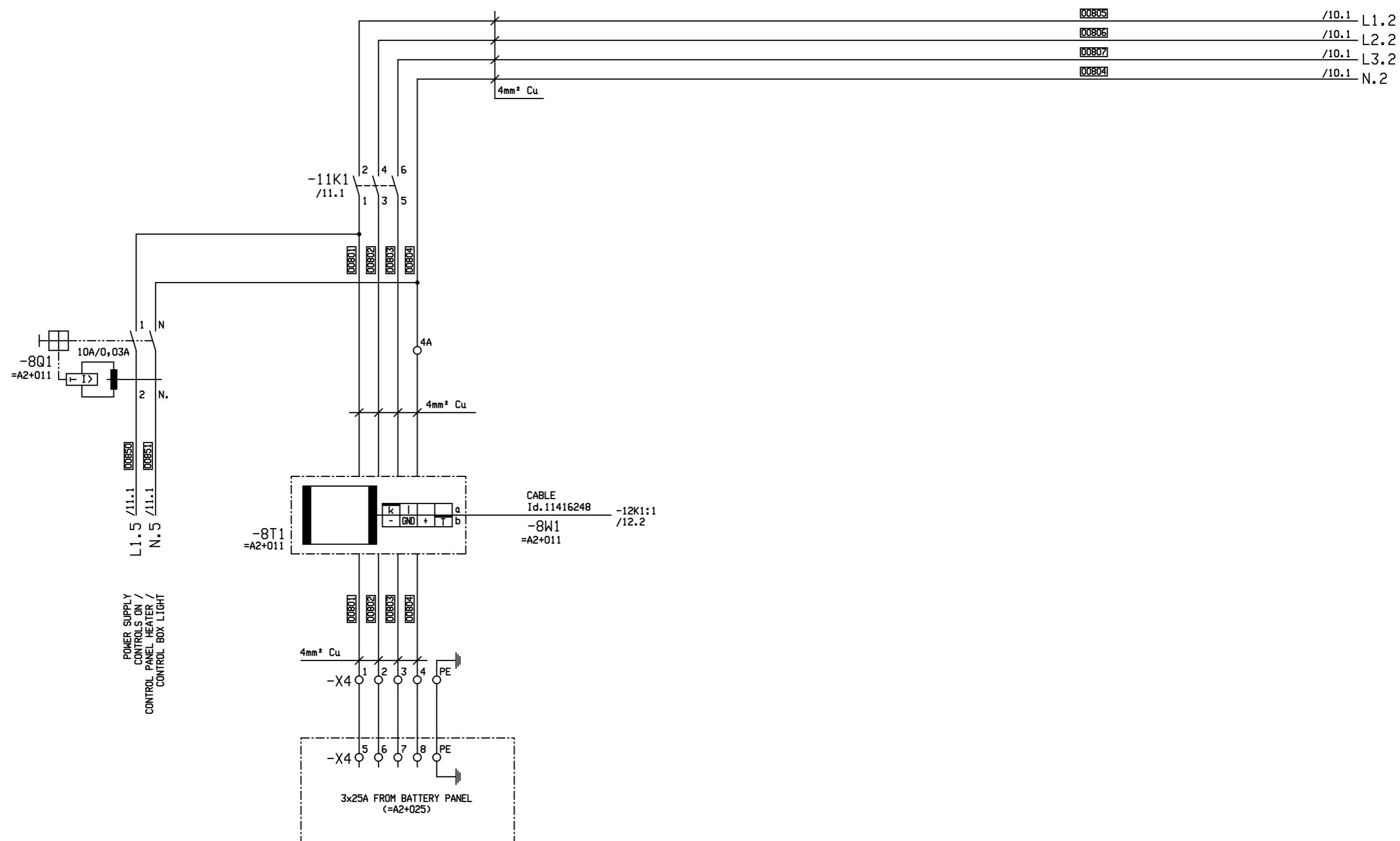
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POWER SUPPLY 3x400/230V

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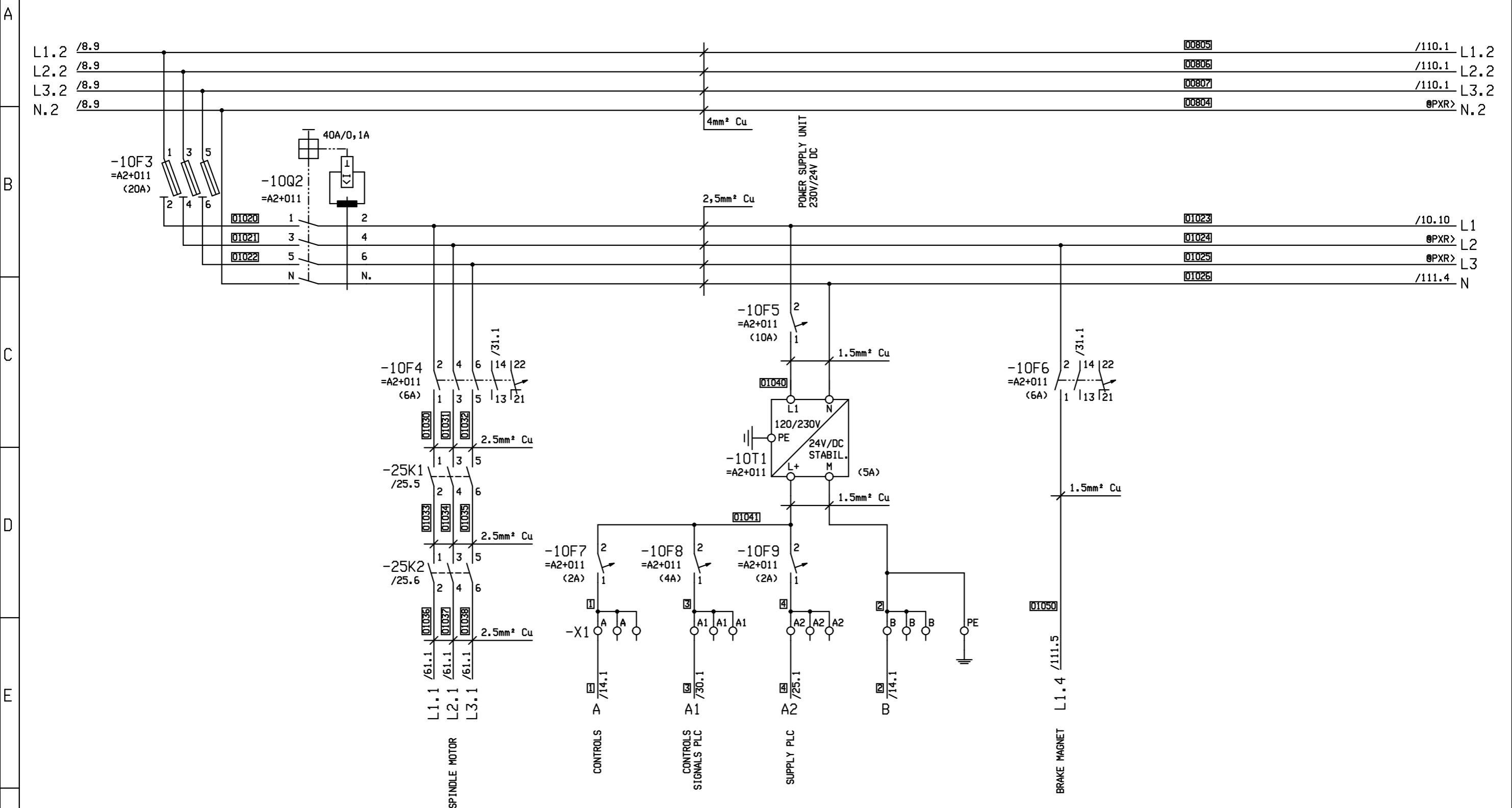
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POWER SUPPLY 3x400/230V / 24V

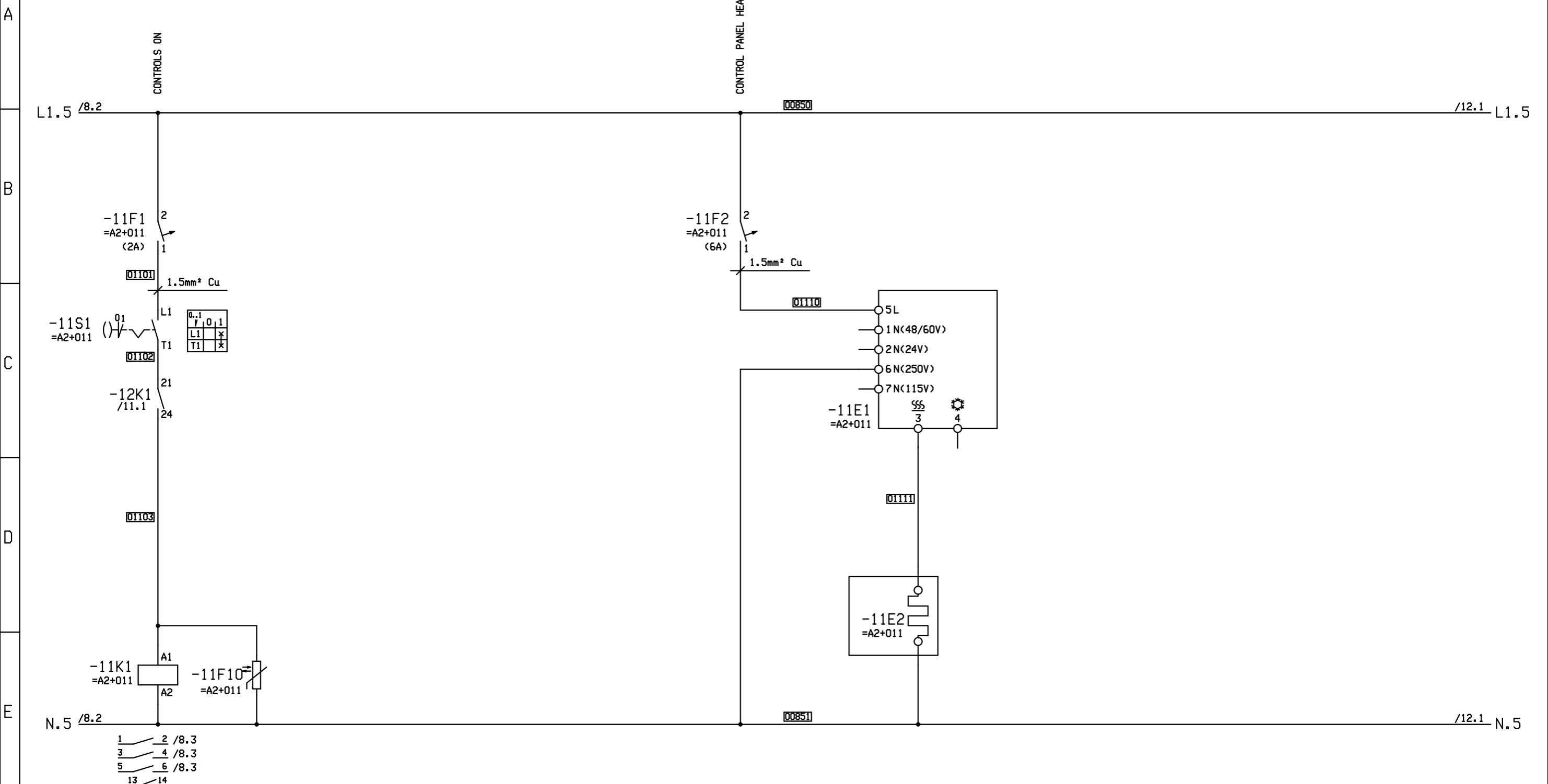
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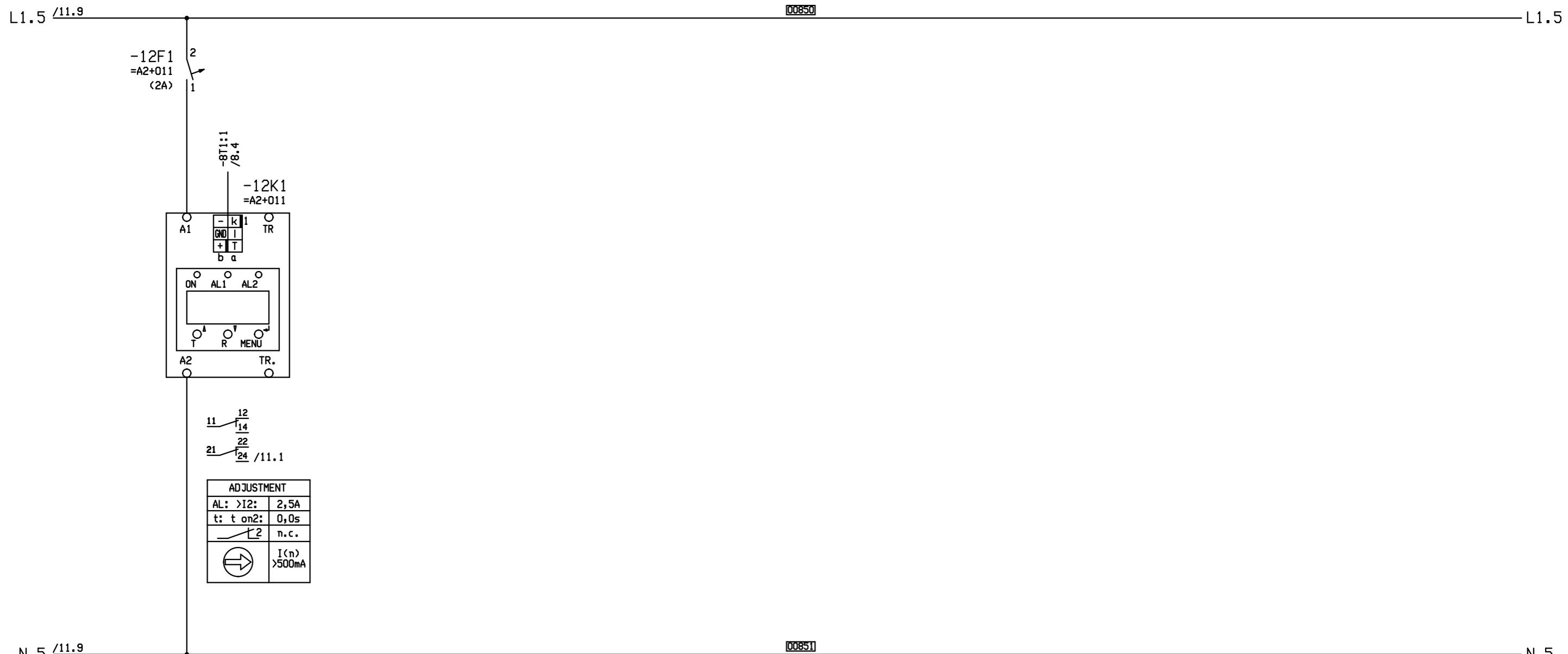
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Revision	2.0	Drawn by	FPa	10-MGD BaNa 5 WAA0004186 Danang / Vietnam	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	CONTROLS ON / HEATER / LIGHTING	=A2+011
Date	29.07.16	Dr.ch.by	Fma				Date 07.06.16
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						RETURN STATION	PARKING

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GFCI-PROTECTION  
MAINS CONTACTOR

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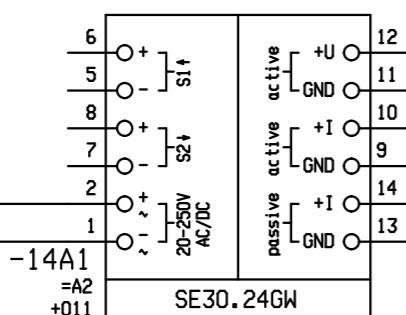
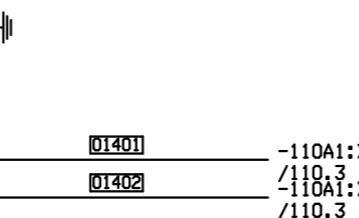
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Date	29.07.16	Dr.ch.by	Fma				Date 07.06.16
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						RETURN STATION	PARKING

A

A /10.4

/26.1 A

①

SETPOINT CALIBRATOR  
MAINTENANCE MODE

SF_30.xx GW		
PARAMETER	SIGNAL	WERT
out.A	AUSGANG ANFANG [%]	0
out.E	AUSGANG ENDE [%]	60
dis.A	ANZEIGE ANFANG	0
dis.E	ANZEIGE ENDE	6,0
rAMP	RAMPENZEIT [s]	1
AUSGABE	SOLLWERT [V]	6
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B /10.6

/25.1 B

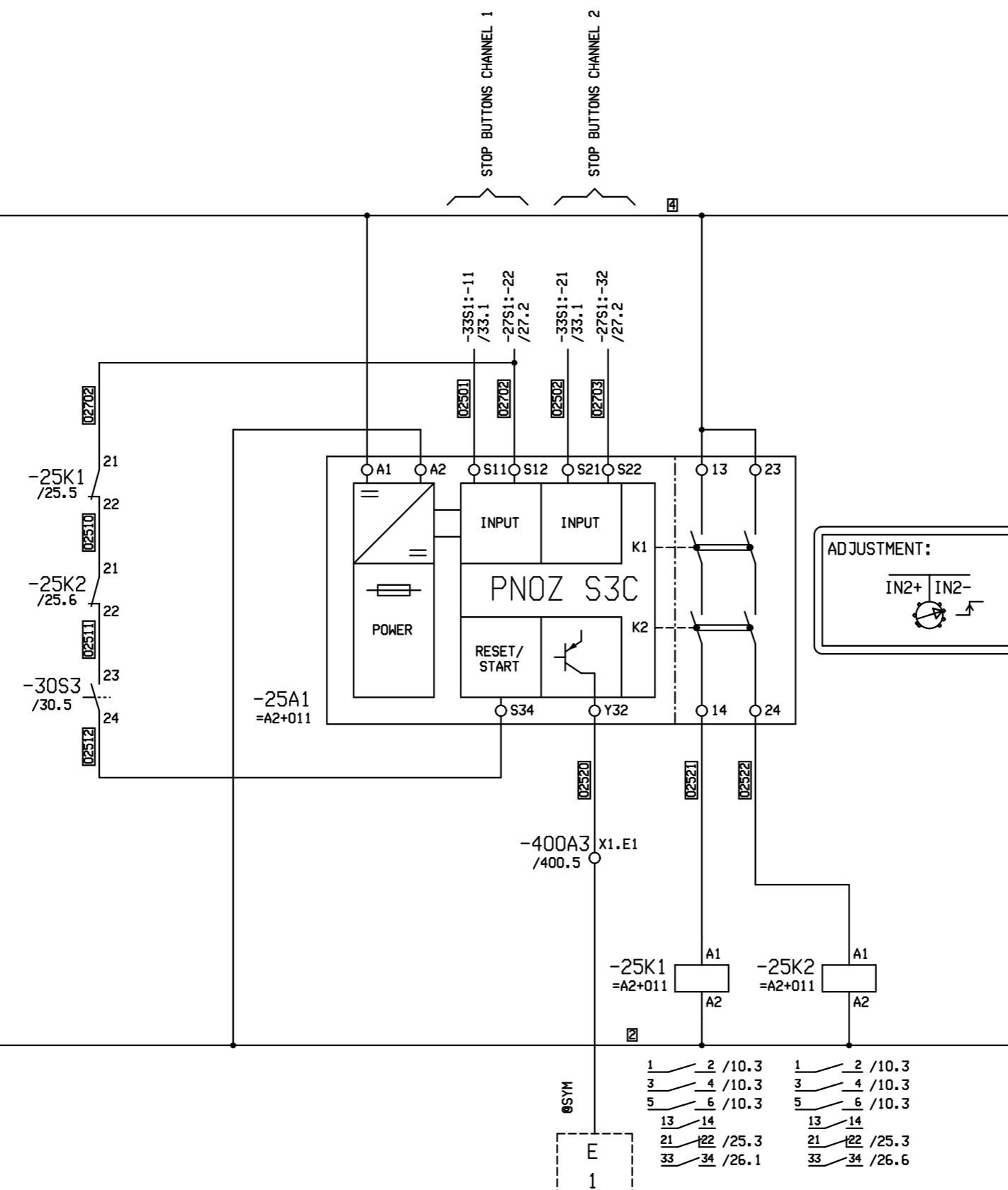
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A2 /10.5

/400.1 A2

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Date	29.07.16	Dr.ch.by	Fma
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A

CONTROL  
STO  
CHANNEL 1

A /14.9

CONTROL  
STO  
CHANNEL 2

A /27.1

-25K1  
/25.5-25K2  
/25.6

[02501]

[02502]

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/110.5-110A1:X4.38  
/110.5

B @PXR

C

B @PXR&gt;

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Date	29.07.16	Dr.ch.by	Fma				Date 19.09.16
File:	BRWAA4186						Sheet : 26 Cont.sheet: 27

A

A

TEST BUTTON STO

I

/61.2 A

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-27S1  
=A2+011



02.02  
02.03  
-25A1:S12  
-25A1:S22  
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02701

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x1.E2  
/400.5

@SYM



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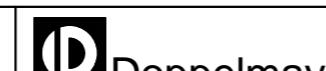
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TEST BUTTON STO

RETURN STATION

PARKING

=A2+011

Date : 07.06.16

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A

A1 /10.5

AUTOMATIC MODE

MANUAL OPERATION

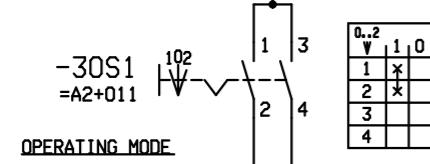
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PARK ROPEWAY

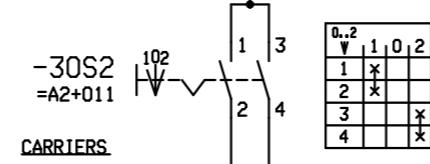
RESET / START PARKING

LIGHT TEST BUTTON

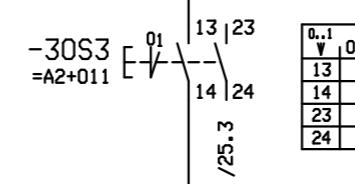
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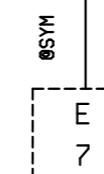
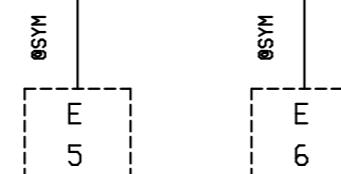
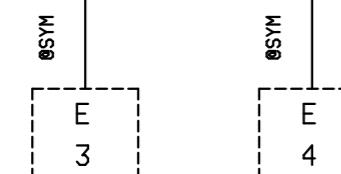
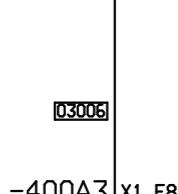
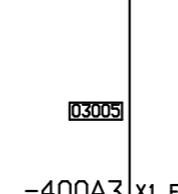
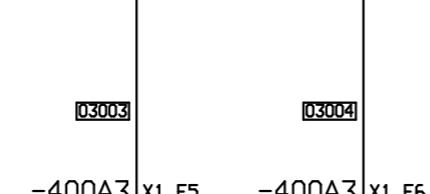
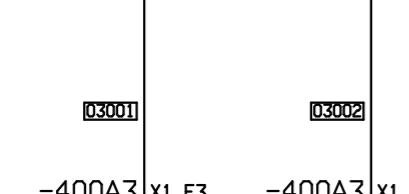
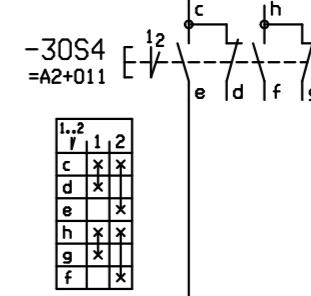
OPERATING MODE  
 1...AUTOMATIC  
 2...MANUAL  
 OPERATION



CARRIERS  
 1...FEEDING  
 2...PARKING



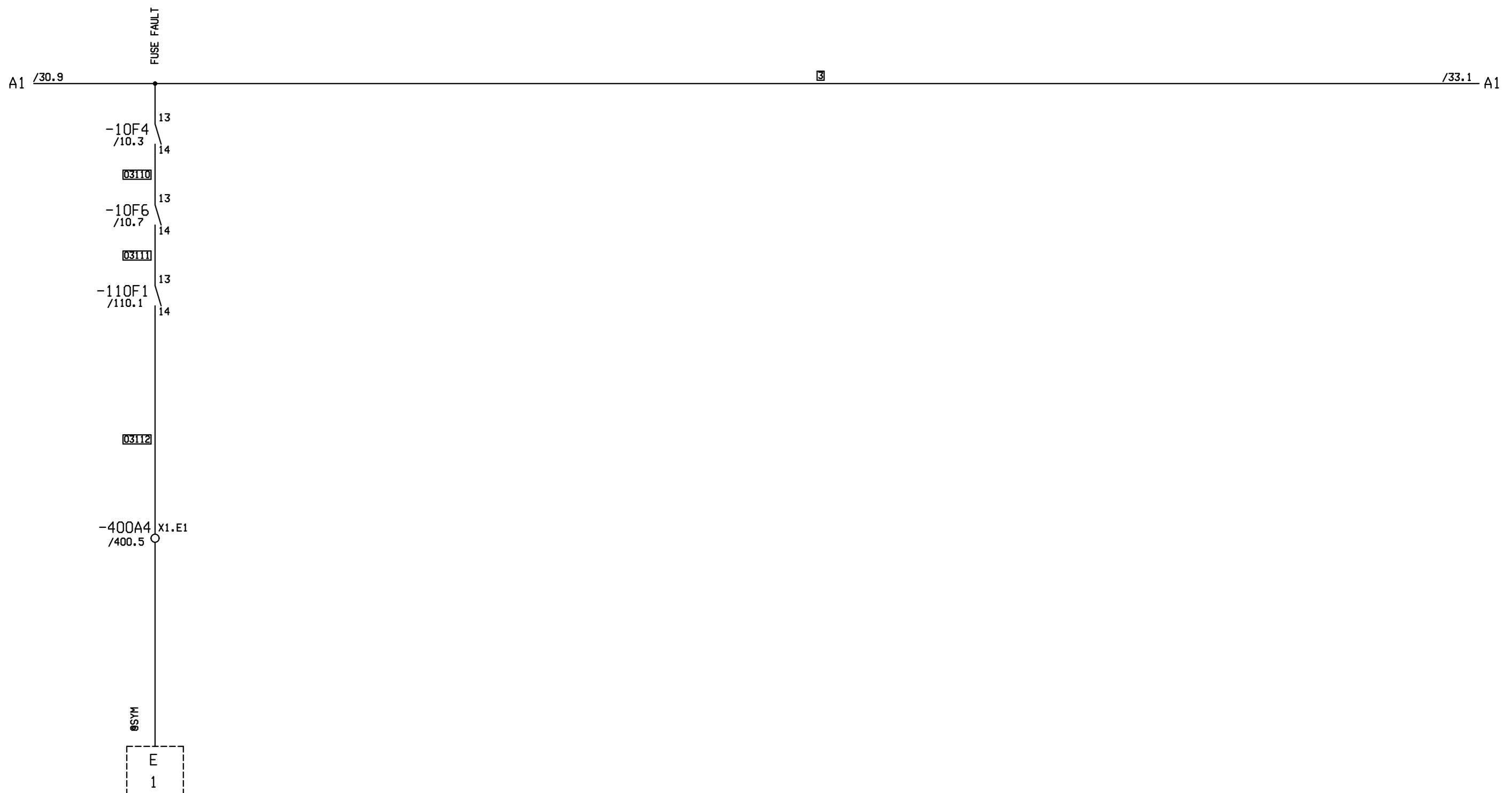
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Date	29.07.16	Dr.ch.by	Fma				Date 08.06.16
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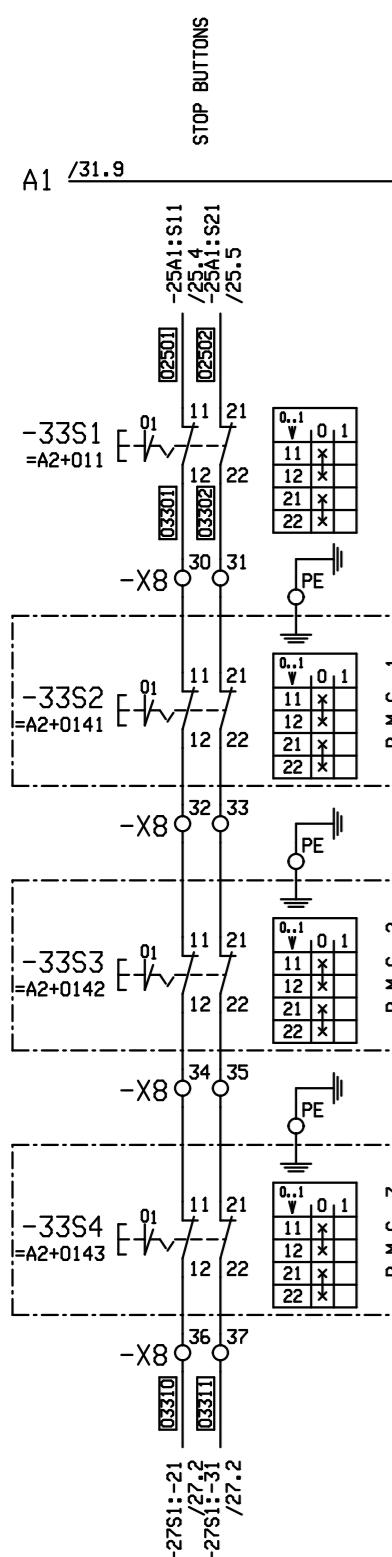
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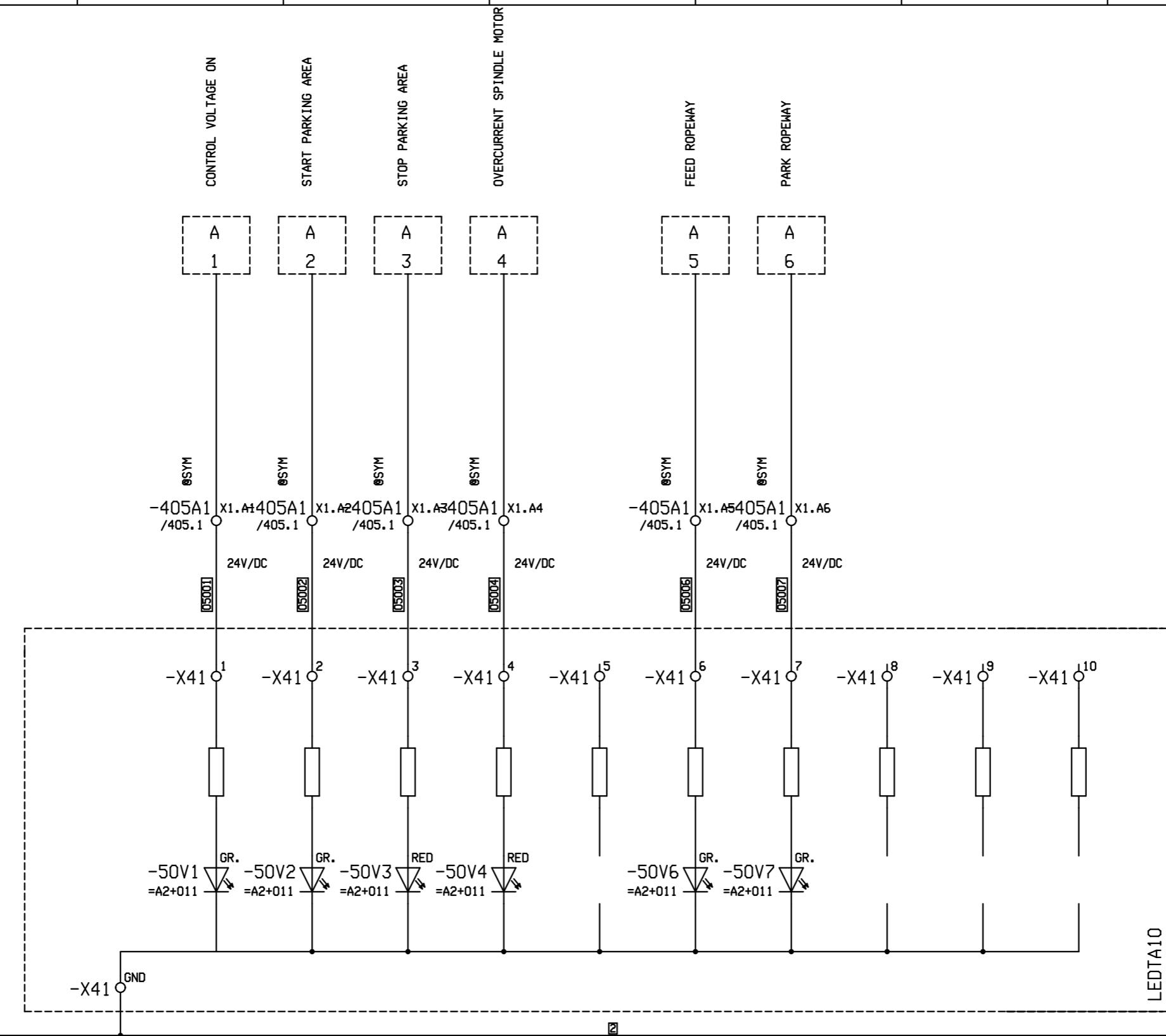
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CONTROL LIGHTS

RETURN STATION

PARKING

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Date 07.06.16

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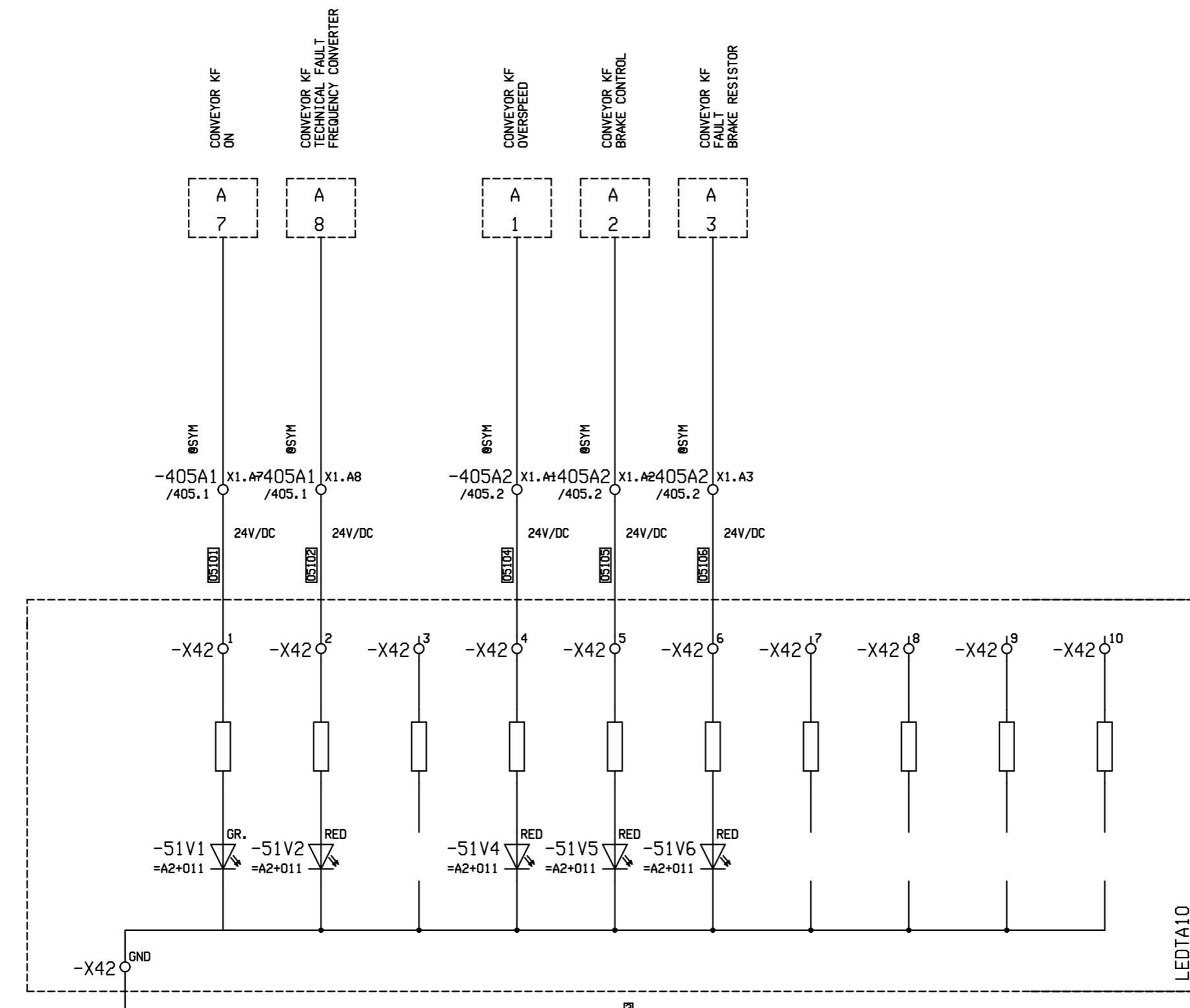
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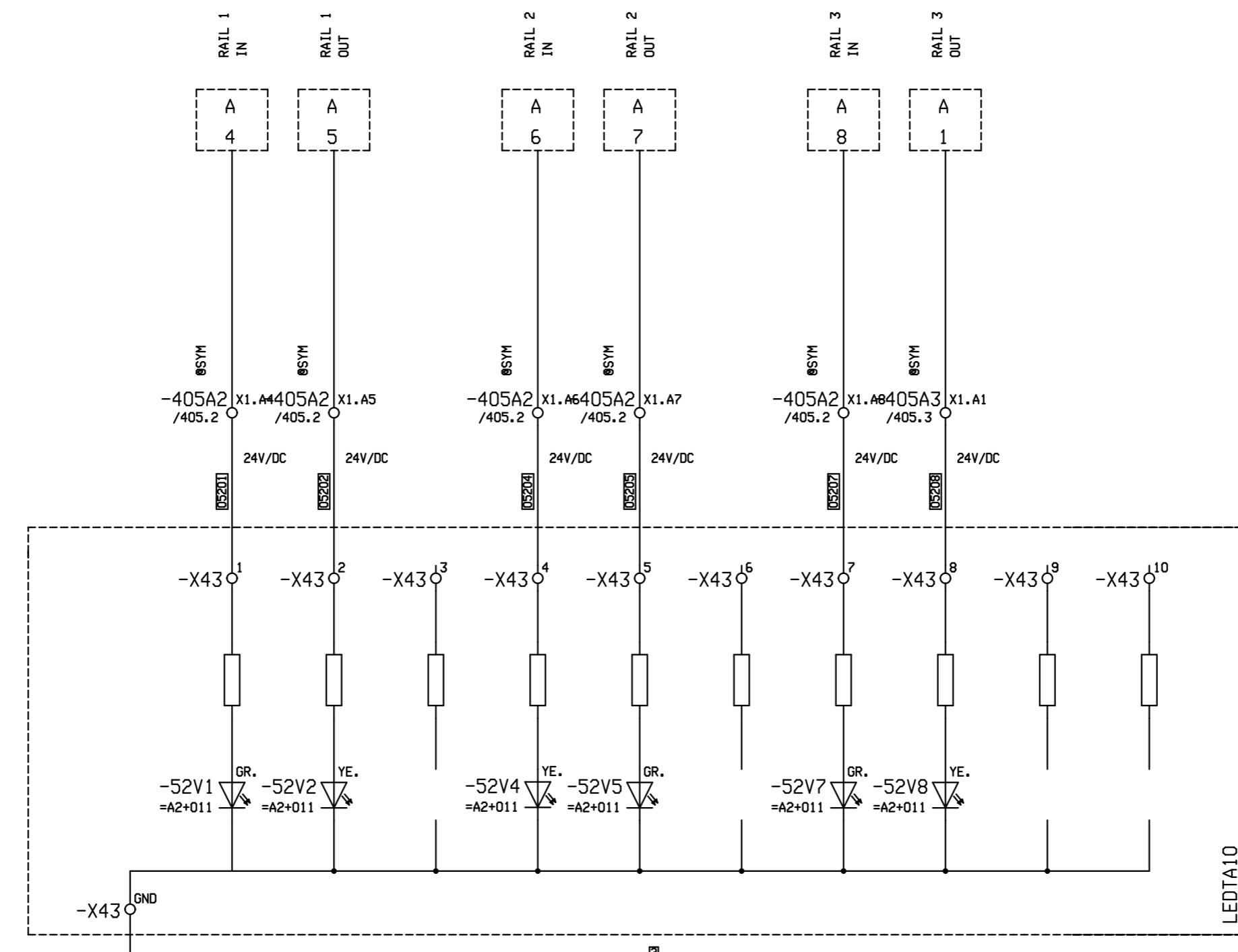
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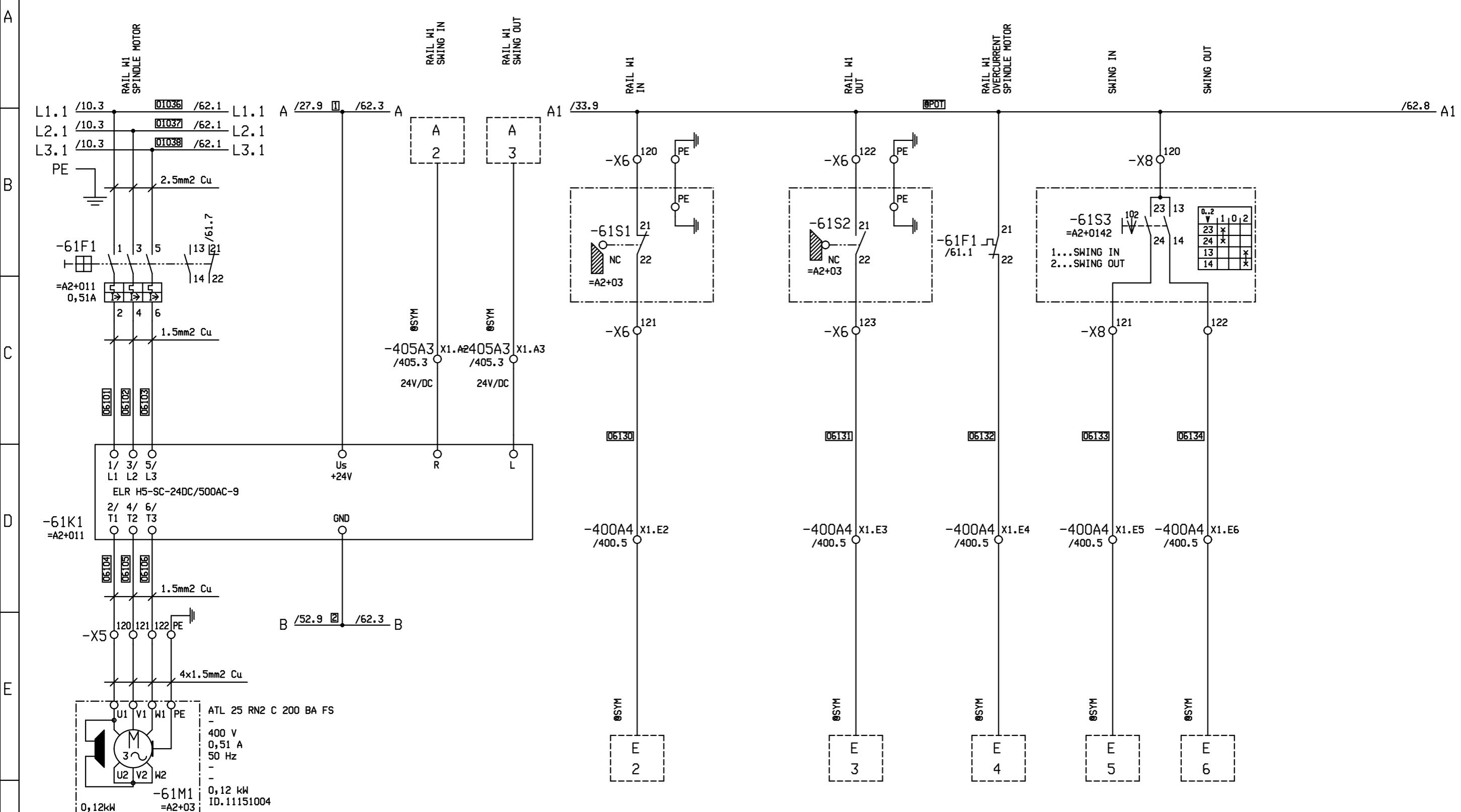
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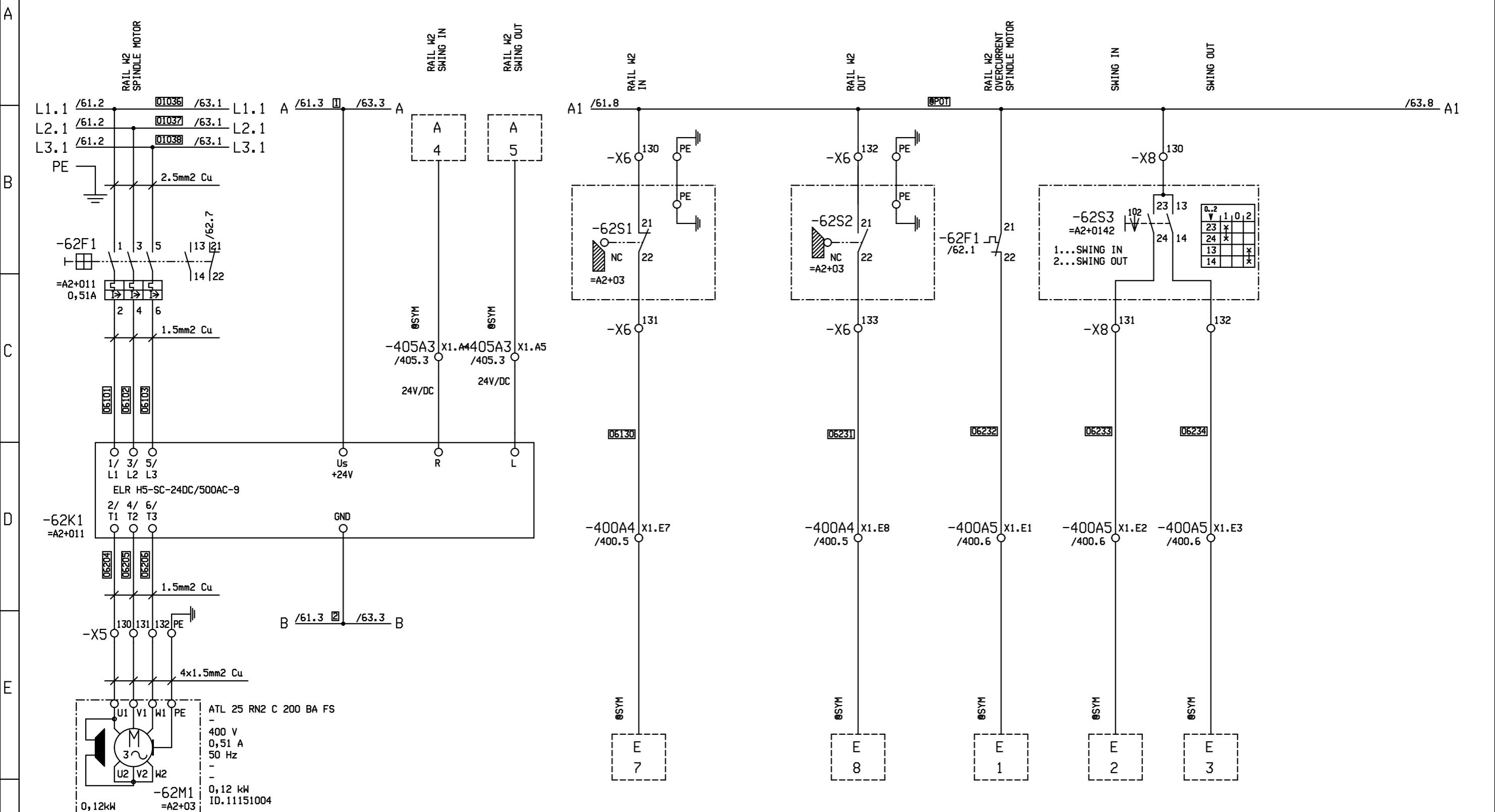
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RAIL W2

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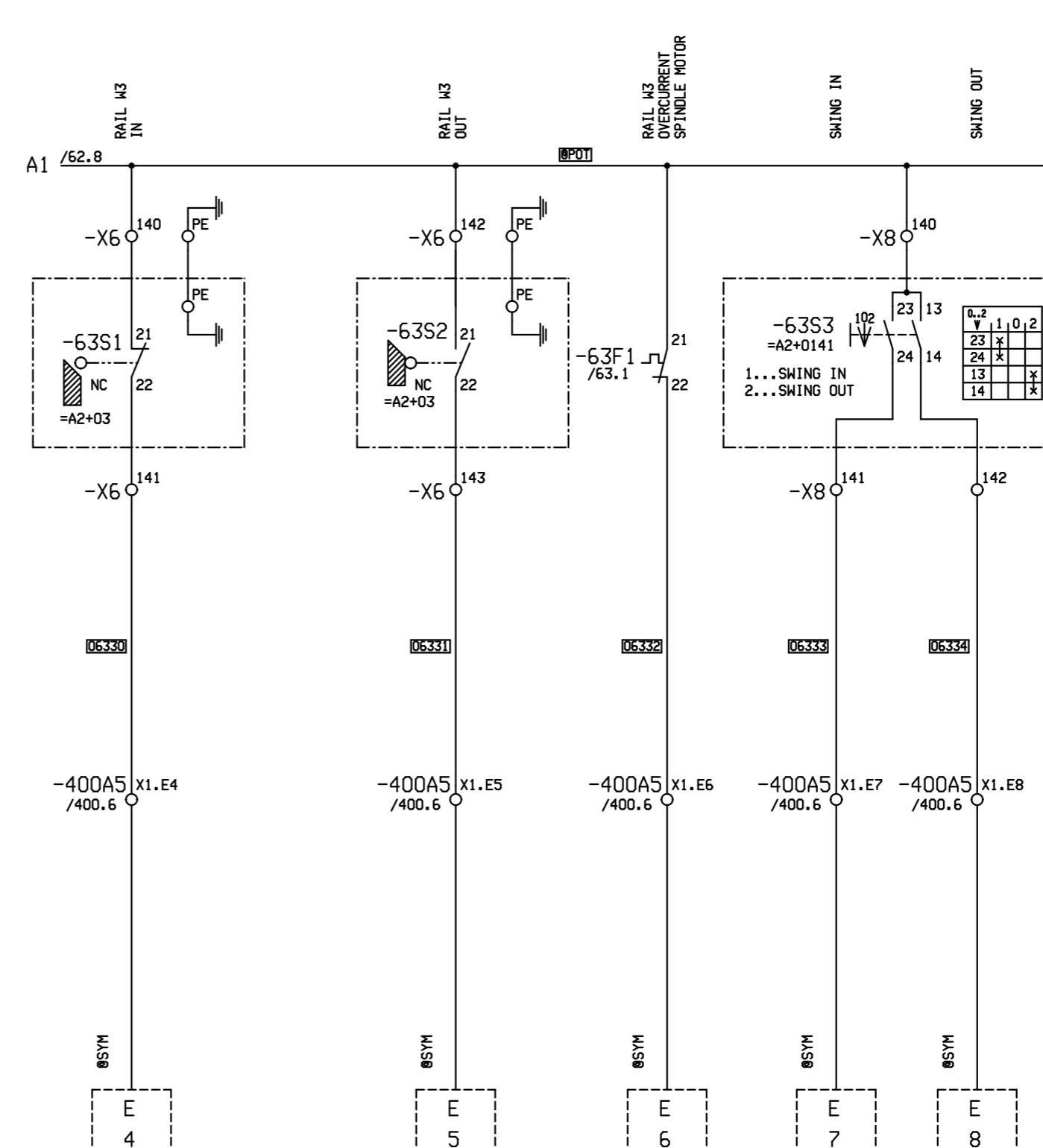
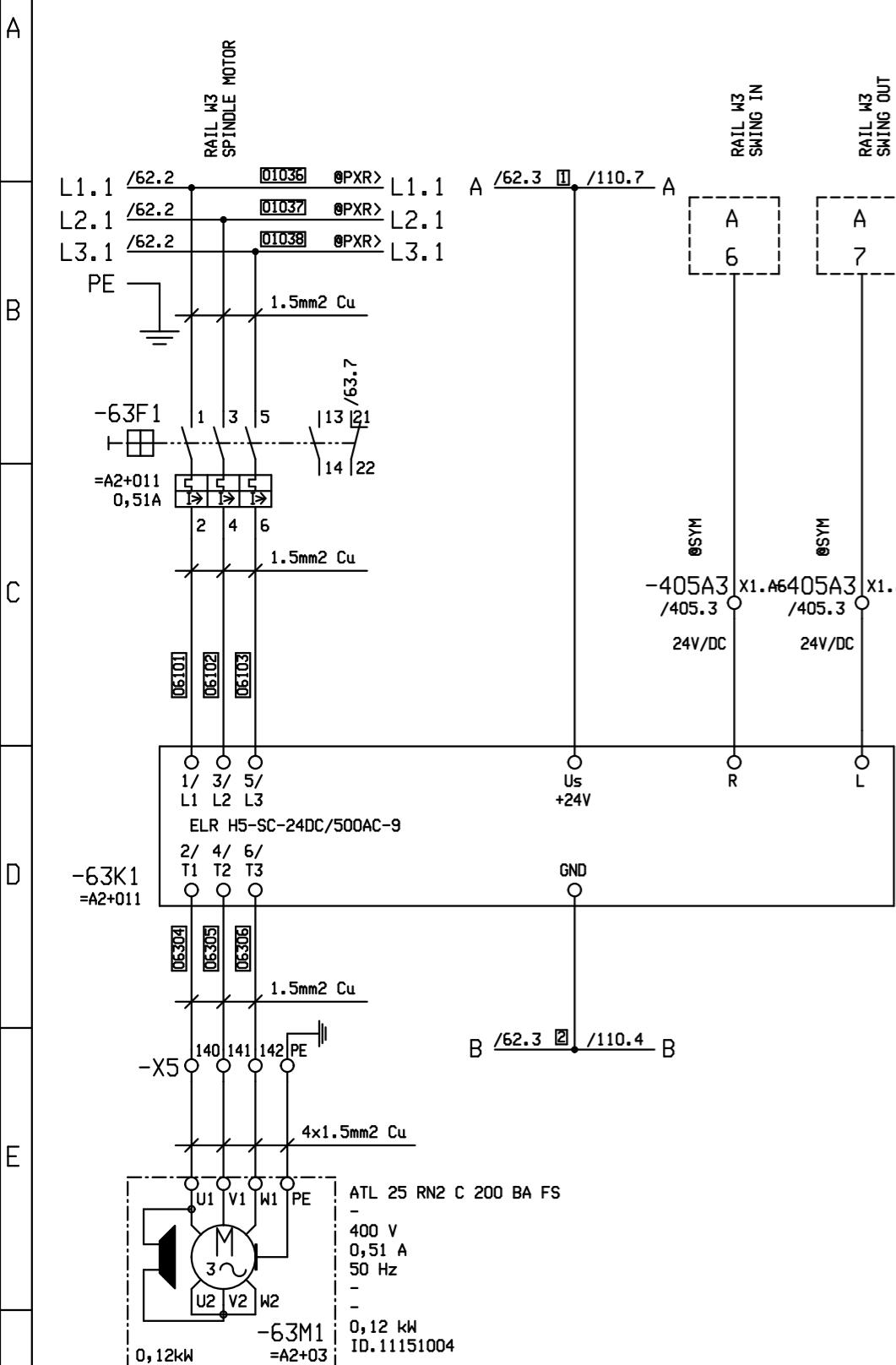
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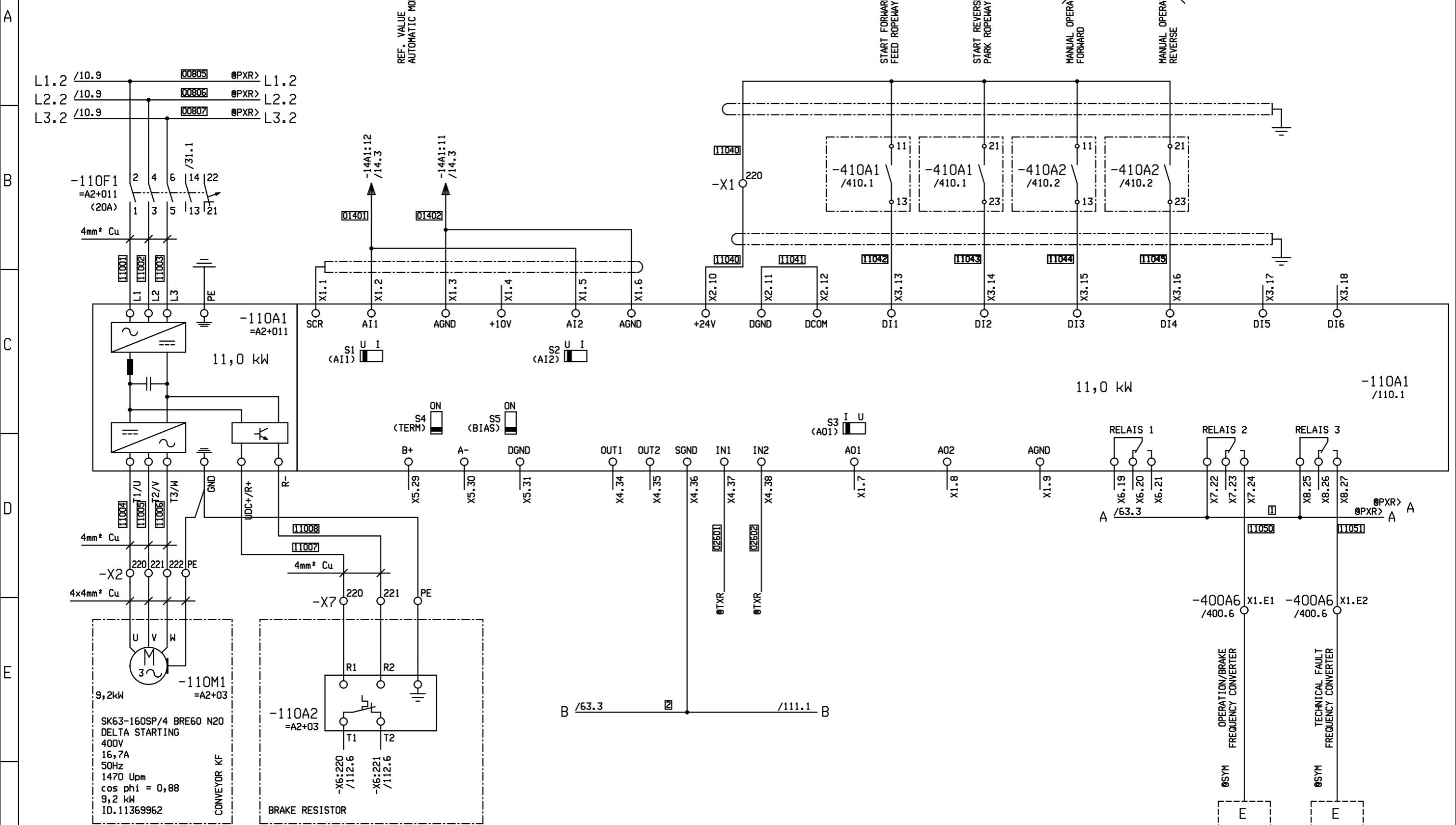
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Date	29.07.16	Dr.ch.by	Fma				Date 29.08.16
File:	BRWAA4186						Sheet : 110 Cont.sheet: 111

A

CONVEYOR KF  
BRAKE OPENINGCONVEYOR KF  
BRAKE OPENINGCONVEYOR KF  
BRAKE MAGNET

-405A3 x1.A8  
/405.3  
24V/DC

[11101]

-111K1  
=A2+011

13 14 /111.5  
21 22  
31 32  
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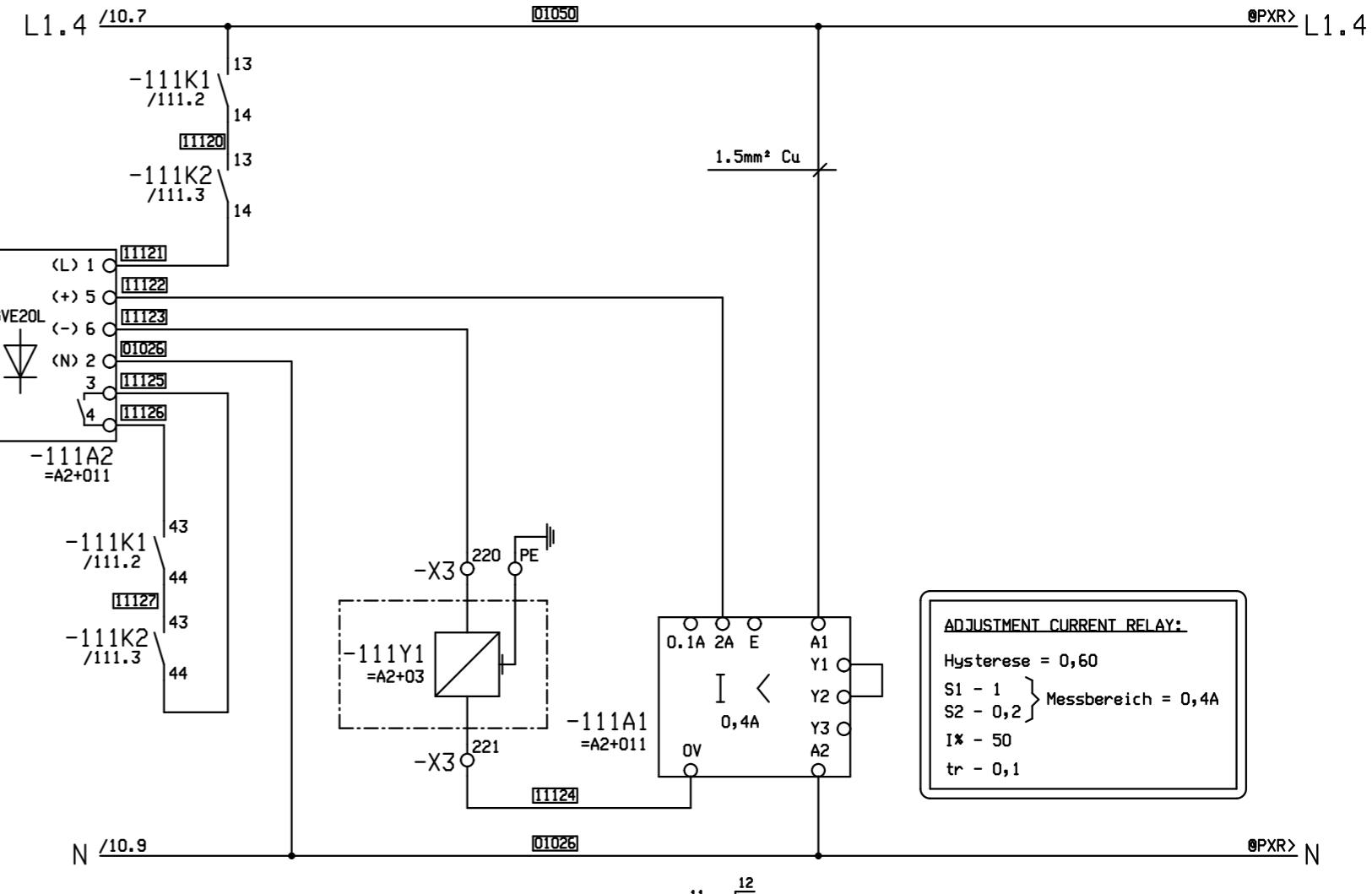
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B /110.6

/112.5 B



B

C

D

E

F

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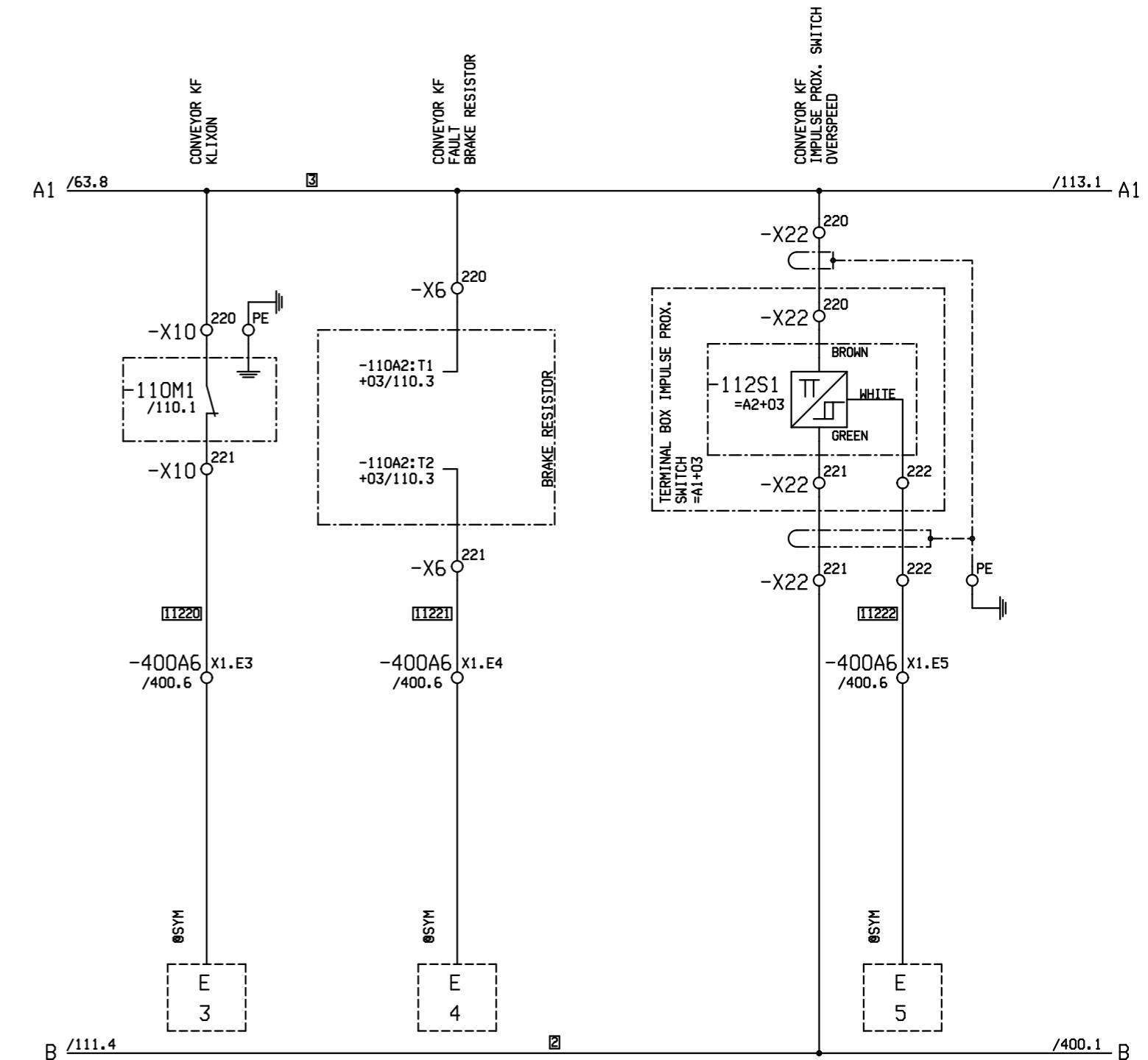
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Date	29.07.16	Dr.ch.by	Fma

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CONVEYOR KF - CONTROLS 24V

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Date 08.06.16

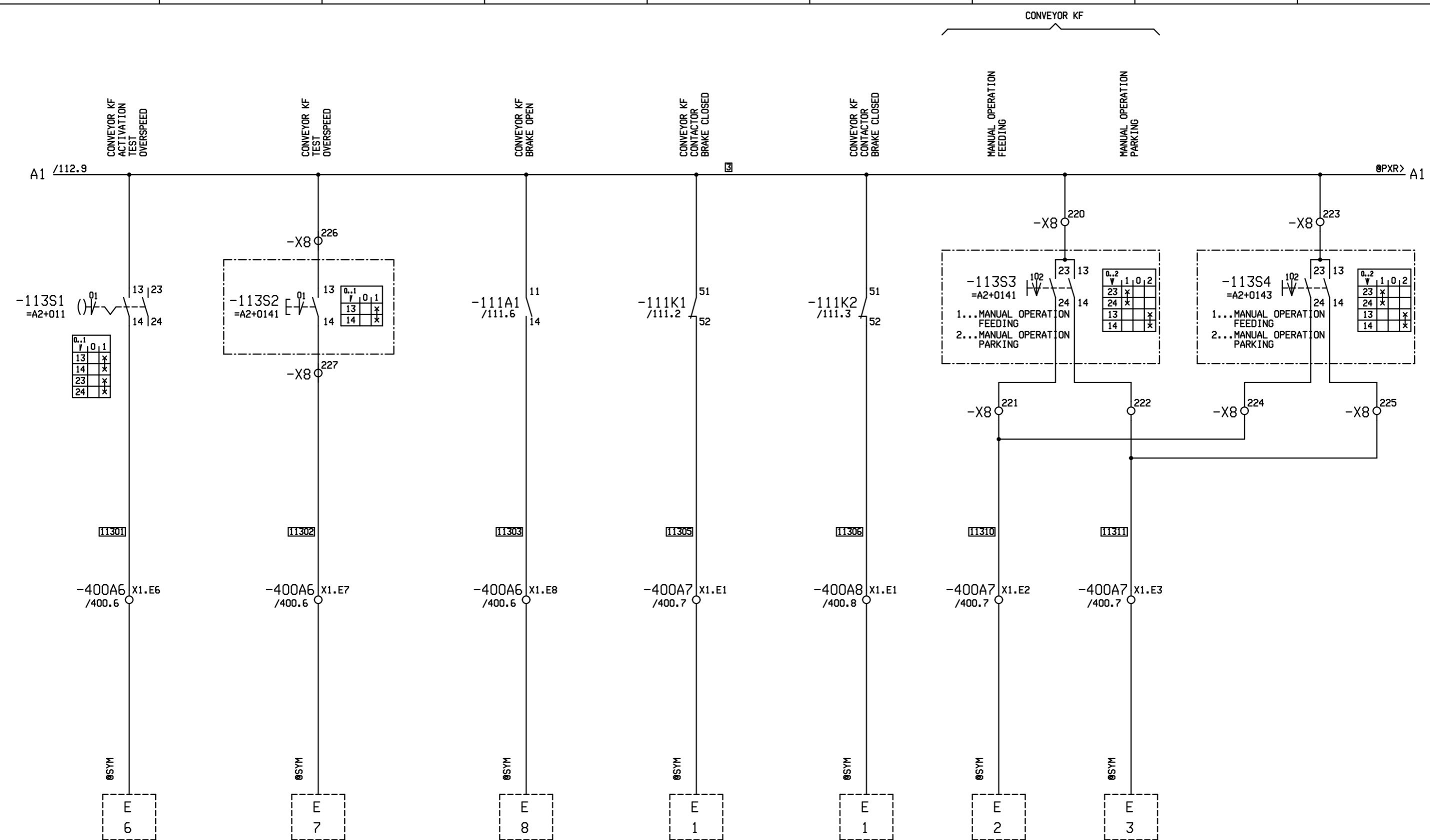
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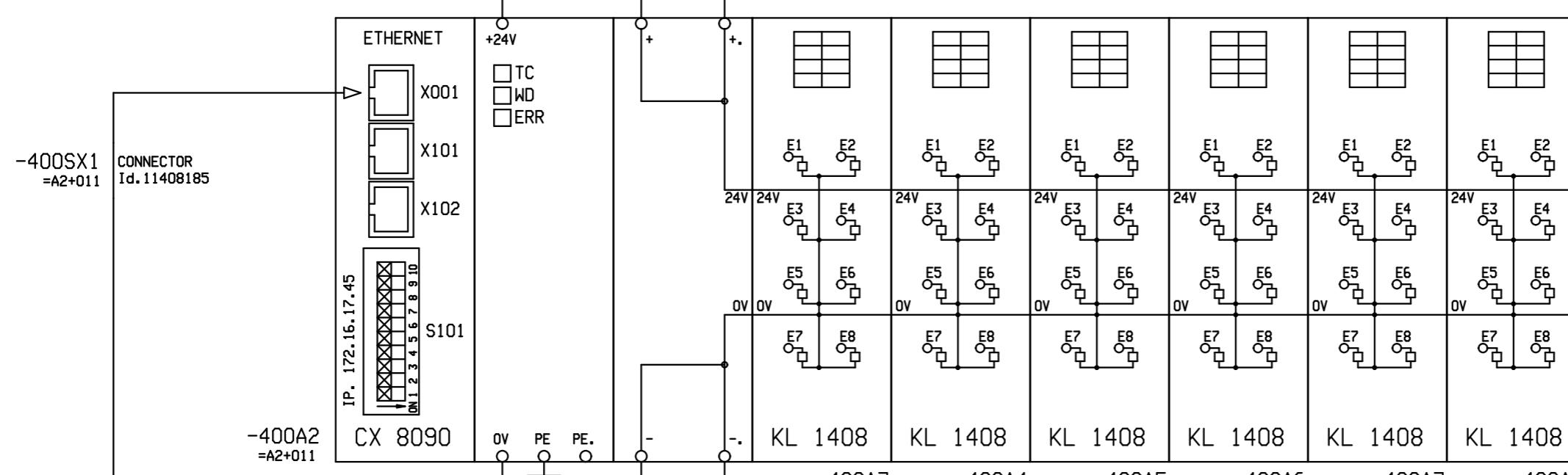
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④

/405.3 A2

B



MAIN CONTROLS  
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②

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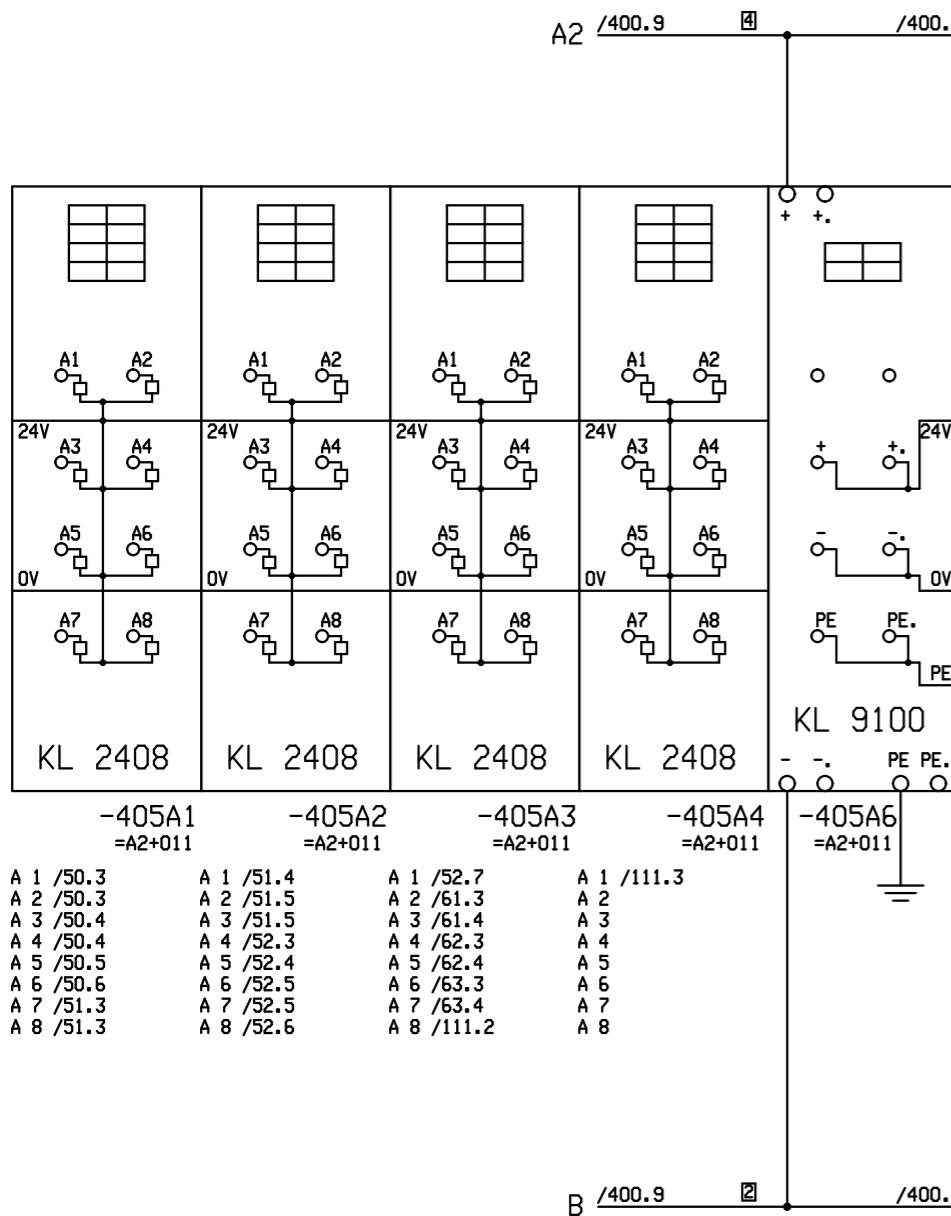
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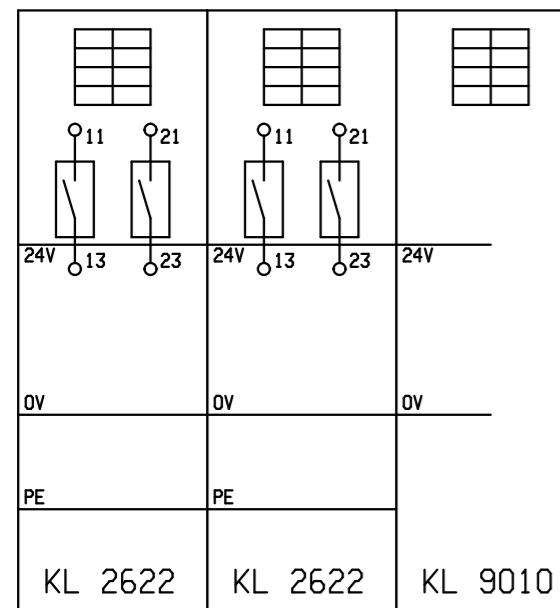
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