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Revision	2.1	Drawn by	LOJ	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
Date	14.08.20	Dr.ch.by	Fhs			Date 14.08.20
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INDEX	DRIVE STATION	LV-CONTROL				

A
LOCATION:

A1 ... DRIVE STATION
 A2 ... RETURN STATION
 A3 ... MIDDLE STATION
 A10... BOTTOM STATION

01 ... CONTROL PANEL
 02 ...
 03 ... STATION
 04 ... REMOTE CONTROL
 05 ... BRAKE HYDRAULICS
 06 ... LIFT LINE / TOWERS
 07 ... LIGHTNING PROTECTION BOX
 08 ... OIL COOLER
 09 ... AUXILIARY DRIVE (ADDITIONAL HYDR.)
 010... HYDR. TENSIONING
 011... PARKING
 012... OPENING-CLOSING MECHANISM
 013... EMERGENCY DRIVE
 014...
 015... SCR UNIT
 016... POWER SUPPLY UNIT SCR-DRIVE
 017...
 018... LOADING CARPET
 019...
 020... LOADING GATE
 021... TERMINAL BOX LOADING GATE
 022... HYDRAULIC AGGREGATE LOADING GATE
 023... LOADING GATE
 024...
 025... BATTERY PANEL
 026... LOW VOLTAGE DISTRIBUTION
 027...
 028...
 029...
 030... LOUDSPEAKER EQUIPMENT
 031... TERMINAL BOX TB1
 0131.. TERMINALBOX TB11
 032... TERMINAL BOX TB2
 0132.. TERMINALBOX TB12
 033... TERMINAL BOX TB3
 034... TERMINAL BOX TB4
 0134.. TERMINAL BOX "TB 14"
 035... TERMINAL BOX TB5
 0135.. TERMINAL BOX "TB 15"
 036... TERMINAL BOX TB6
 037... TERMINAL BOX TB7
 038... TERMINAL BOX TB8
 039... TERMINAL BOX TB9
 040...
 041... R.M.C. 1
 042... R.M.C. 2
 043... R.M.C. 3
 044... R.M.C. 4 (INCOMING)
 045... R.M.C. 5 (OUTGOING)
 046...
 047...
 048...
 049...
 050...
 051... TELEPHONE CONNECTOR MACHINE ROOM
 052... TELEPHONE CONNECTOR THYRISTOR ROOM
 080... TERMINAL BOX TB80 STATION PARKING DECELERATOR
 081... TERMINAL BOX TB81 STATION PARKING ACCELERATOR
 0100.. TERMINAL BOX TENSIONING AGGREGATE
 0101.. HYDR. TENSIONING UNIT
 0102.. TERMINAL BOX LOAD CELL
 0103.. LOAD CELL

TERMINAL STRIP:

X1 ... POWER SUPPLY 24V/DC
 X2 ... THREE-PHASE MOTORS
 X3 ... LIGHTING
 X4 ... POWER SUPPLY (AC)
 X5 ... CONNECTIONS THYRISTOR PANEL
 X6 ... LIMIT SWITCHES
 X7 ... BRAKE HYDRAULICS
 X8 ... REMOTE CONTROLS
 X9 ... HYDR. TENSIONING - TERMINAL BOX TENSIONING AGGREGATE
 X10... LOUDSPEAKER EQUIPMENT

X11...
 X12...
 X13...
 X14...
 X15...
 X16... LIFT LINE (TOWERS)
 X17... LIFT LINE (SIGNALS)
 X18... ON LINE TELEPHONE
 X19... CONNECTIONS TO AUX. DRIVE
 X20...
 X21... LIMIT SWITCHES FOR ANTI COLLISION SYSTEM
 X22... PROXIMITY SWITCHES (FILTER TERMINALS)
 X23... CONNECTIONS TO PARKING CONTROLS

X24...
 X25... MEASURING CABLES
 X26... MEASURING CABLES
 X27... CONNECTION TO LOADING CARPET
 X28...
 X29...
 X41... PRINT MAIN CONTROLS
 X60... MAGNETIC CLUTCH / SPINDLE MOTOR
 X80... STATION PARKING
 X82... PROXIMITY SWITCHES (FILTER TERMINALS) STATION PARKING

A

B

C

D

E

F

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INFORMATION

File: ANWAA2638

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DRIVE STATION

LV-CONTROL

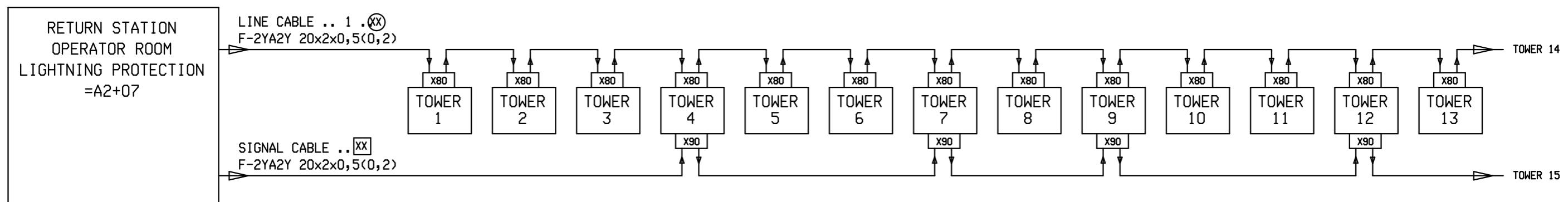
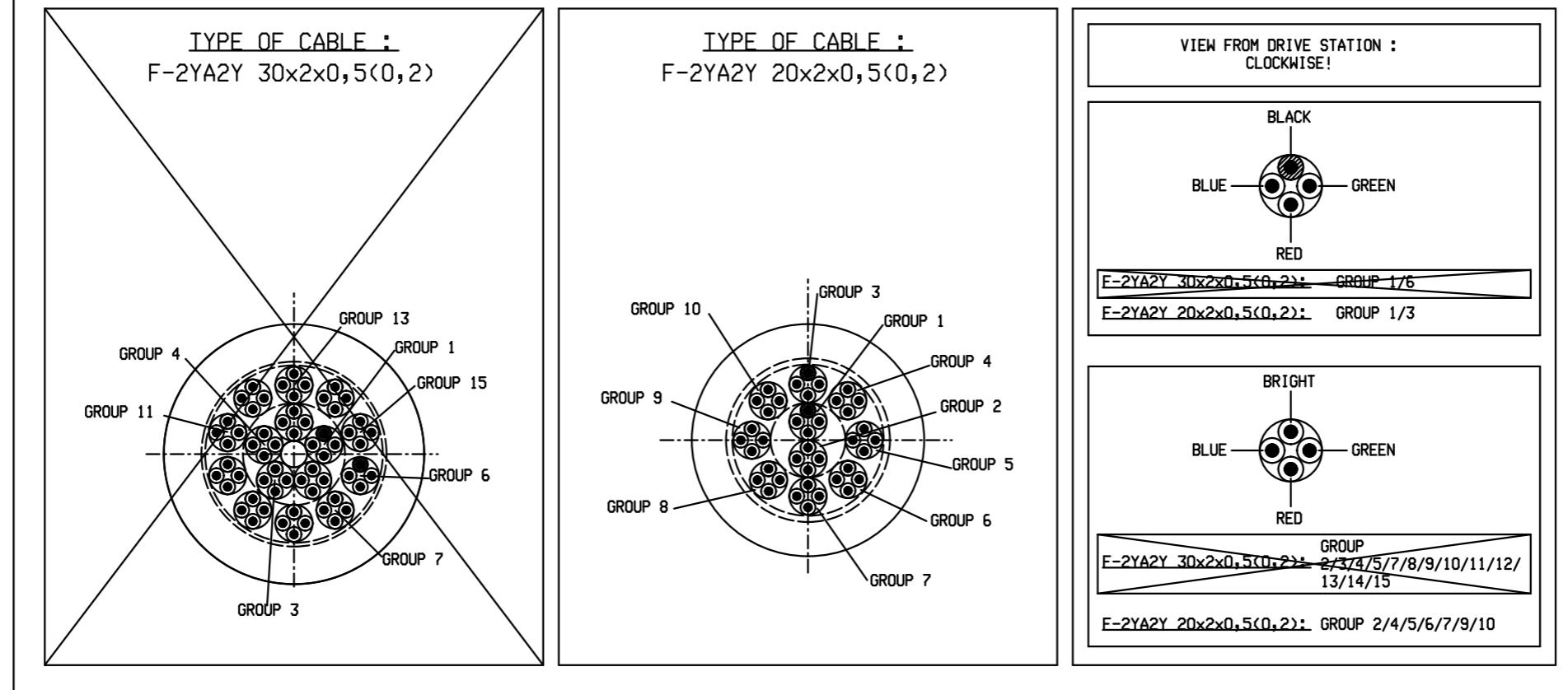
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Date 11.07.11

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CROSS SECTIONS AERIAL CABLE



DRIVE STATION
CONTROL ROOM
LIGHTNING PROTECTION
=A1+07

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RESERVATION LINE CABLE / SIGNAL CABLE
=A1+01
Date 03.02.12

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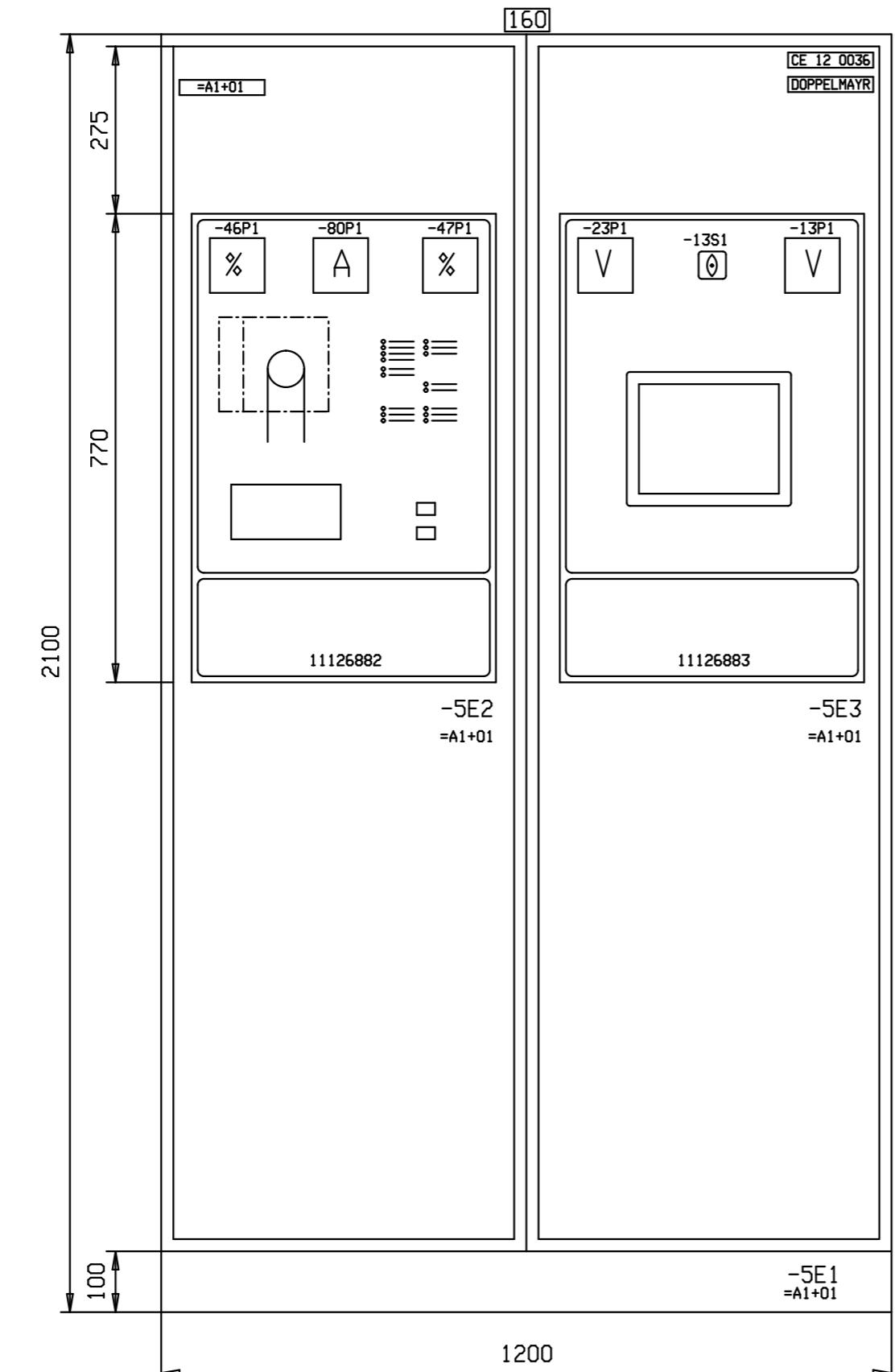
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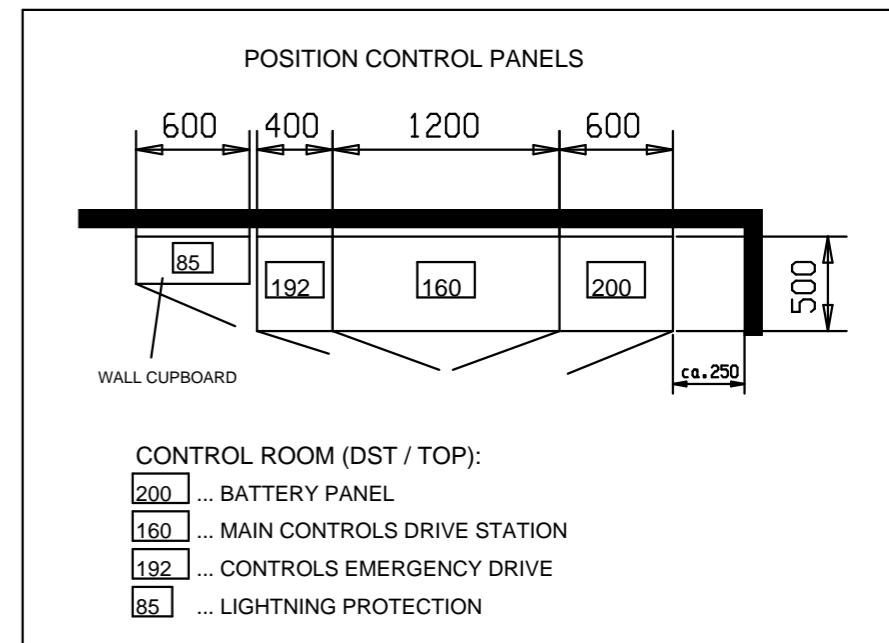
Sheet : 3

Cont.sheet: 5

A



B



C

MAIN CONTROLS =A1+01

- 13S1...CONTROL VOLTAGE
- 13P1...CONTROL VOLTAGE
- 23P1...BATTERY VOLTAGE
- 46P1...TORQUE MAIN MOTOR 1
- 47P1...TORQUE MAIN MOTOR 2
- 80P1...LINE CURRENT TOWER FAULT

D

- 5E4 =A1+01 1x LSC-FRAME
- 5E5 =A1+01 2x STICKER - ATTENTION - ELECTRICITY
- 5E6 =A1+01 1x STICKER - CE
- 5E7 =A1+01 1x CONTROL PANEL DOOR MACHINED (TS 8205.510 re.)
- 5E8 =A1+01 1x CONTROL PANEL DOOR MACHINED (TS 8205.510 li.)
- 5E9 =A1+01 1x STICKER - "Doppelmayr-Logo"
- 5E10 =A1+01 1x STICKER - "=A1+01"
- 5E11 =A1+01 1x STICKER - MOBILE RADIOTELEPHONE FORBIDDEN

E

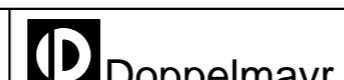
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CONTROL PANEL DIMENSIONS

DRIVE STATION

LV-CONTROL

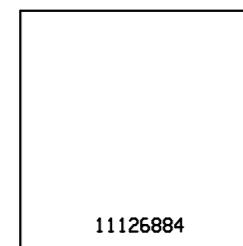
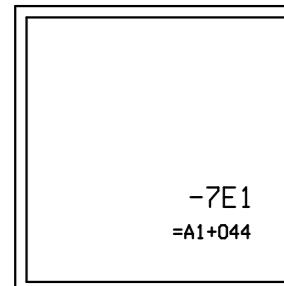
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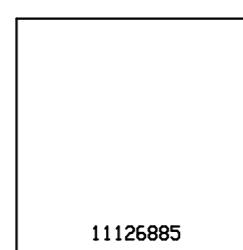
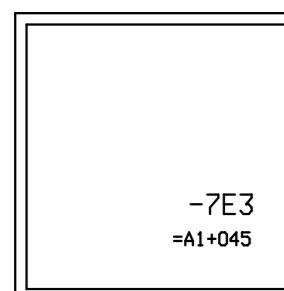
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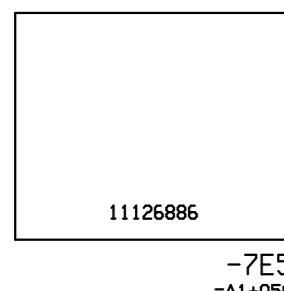
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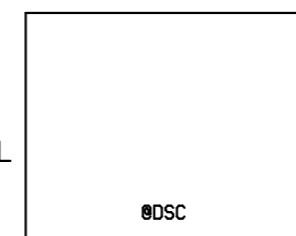
R.M.C. 4 (INCOMING)
=A1+044



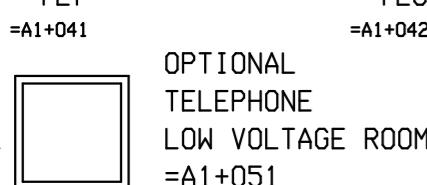
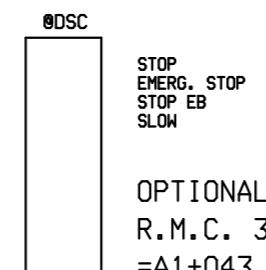
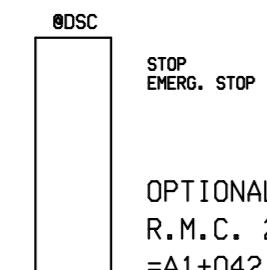
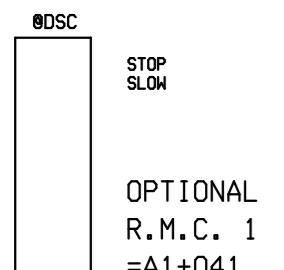
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=A1+045



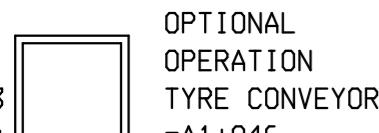
DESKTOP CONTROL PANEL
CONTROL ROOM 1
=A1+050



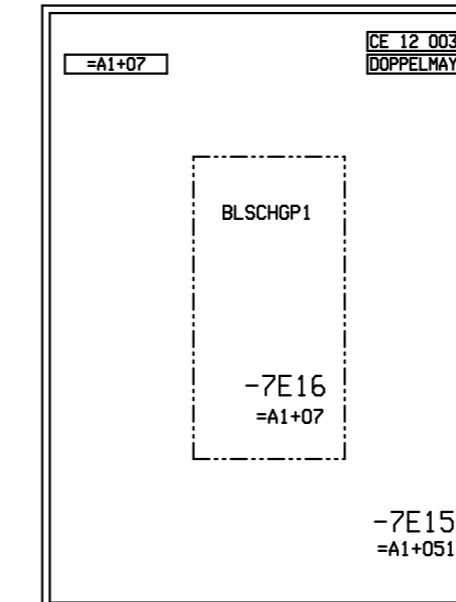
OPTIONAL
DESKTOP CONTROL PANEL
CONTROL ROOM 2
=A1+055



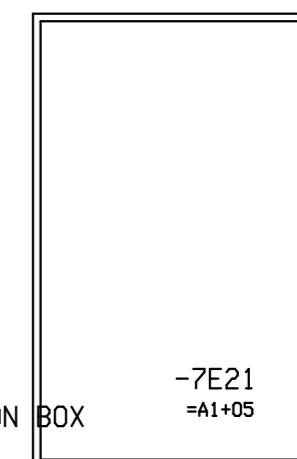
-7E12 =A1+052
OPTIONAL
TELEPHONE
MACHINE ROOM
=A1+052



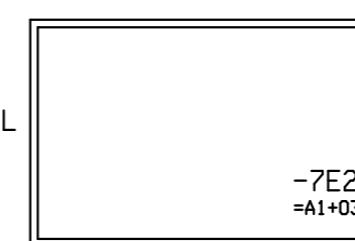
OPTIONAL
TERMINAL BOX
HYDRAULICS
TYRE CONVEYOR
=A1+0112



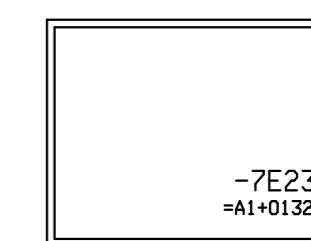
-7E17 =A1+07 1x MOUNTING PLATE MACHINED
-7E18 =A1+07 1x STICKER - CE
-7E19 =A1+07 1x STICKER - "Doppelmayr-Logo"
-7E20 =A1+07 1x STICKER - "=A1+07"



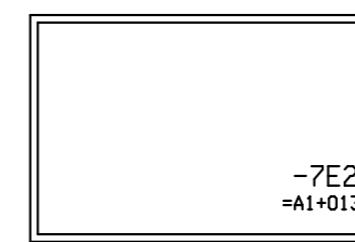
TERMINAL BOX
BRAKE HYDRAULICS
=A1+05



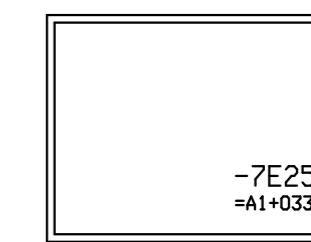
TERMINAL BOX TB1
=A1+031



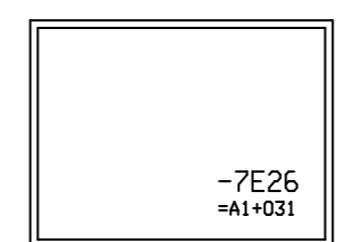
TERMINALBOX TB11
=A1+0131



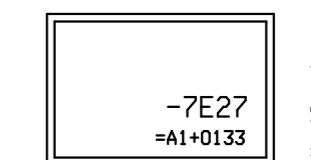
TERMINAL BOX TB2
=A1+032



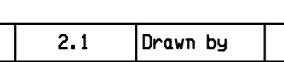
TERMINALBOX TB12
=A1+0132



TERMINAL BOX TB3
STATION
=A1+033



TERMINAL BOX TB13
STATION
=A1+0133



TERMINAL BOX 1
PLATFORM FEED RAIL
=A2+074



OPTIONAL
TERMINAL BOX 2
PLATFORM FEED RAIL
=A2+075

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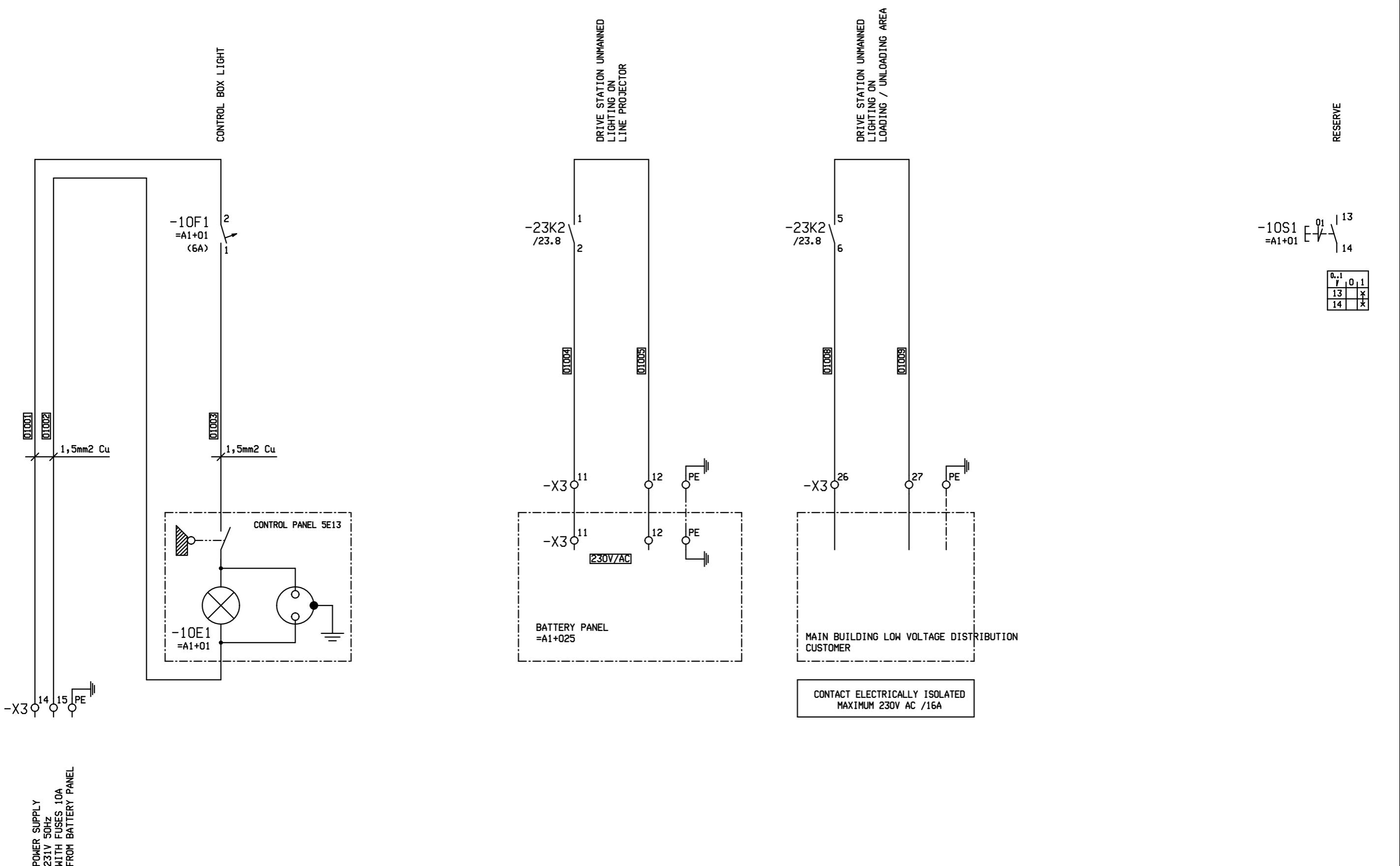
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CONTROL PANEL DIMENSIONS			=A1+01
DRIVE STATION		LV-CONTROL	
Sheet :	?	Cont.sheet:	10

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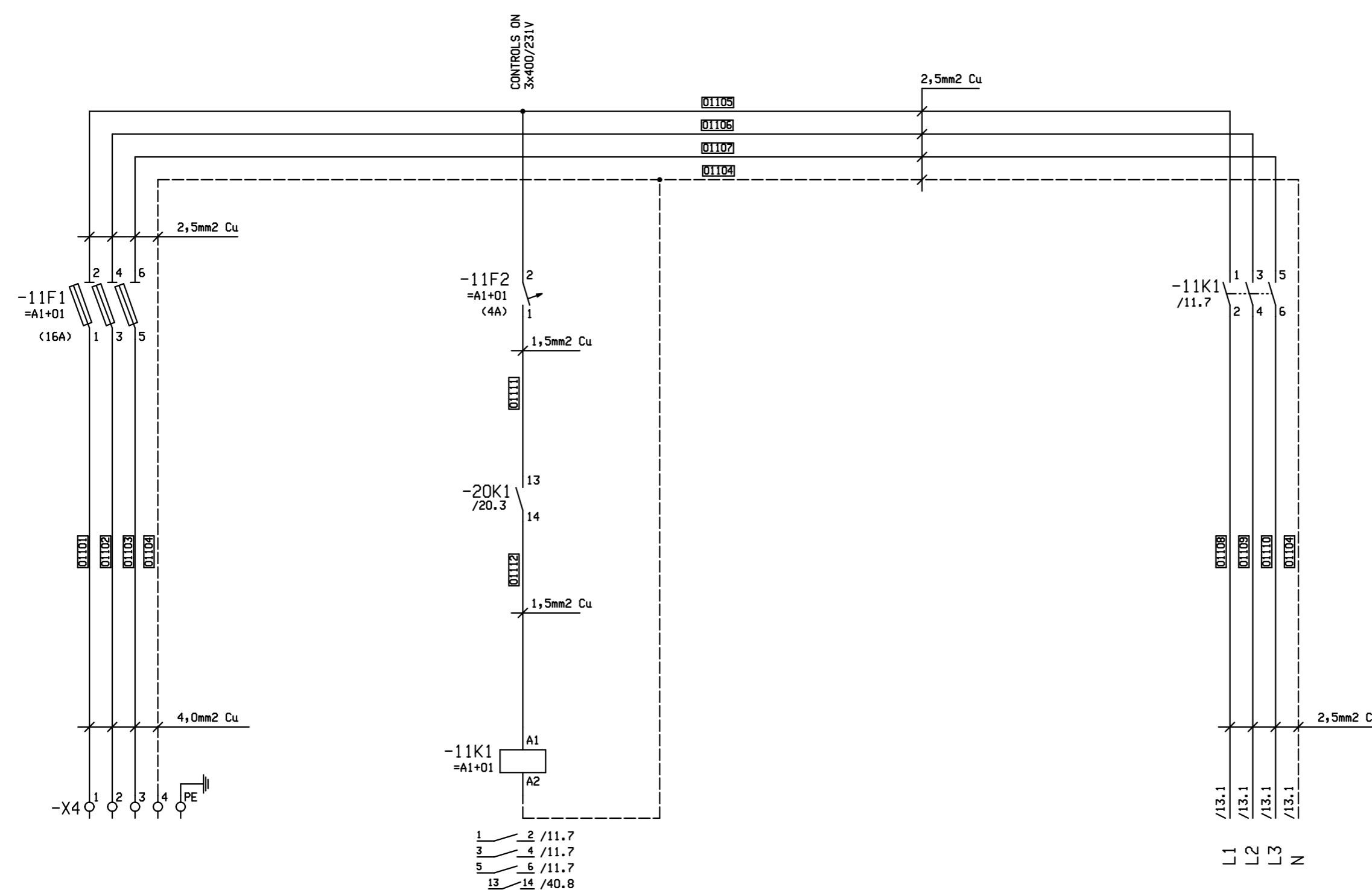
A

CONTROL BOX LIGHT



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Date	14.08.20	Dr.ch.by	Fhs				Date 25.10.11
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A



B

C

D

E

F

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POWER SUPPLY 3X400/230V

DRIVE STATION

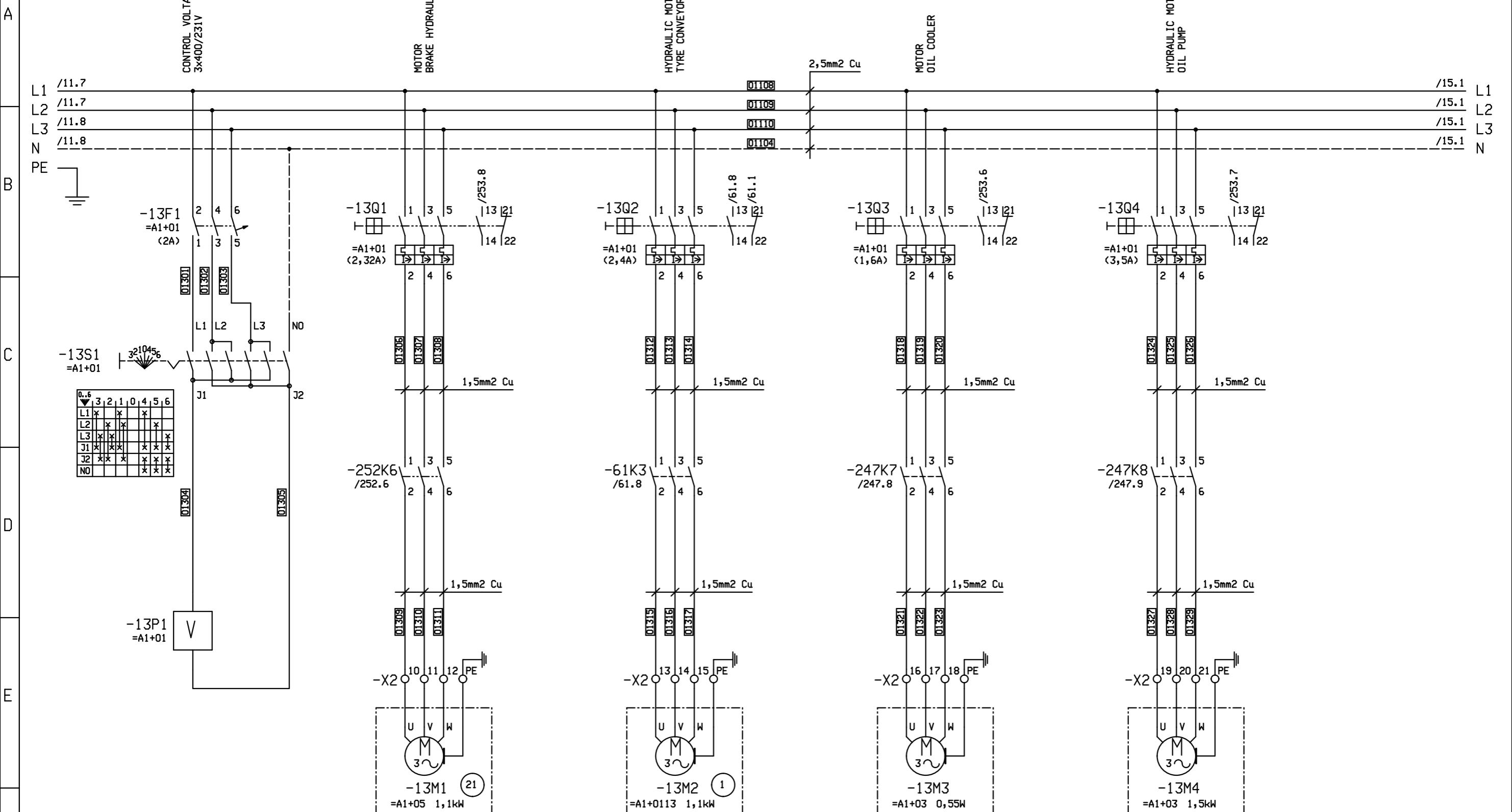
LV-CONTROL

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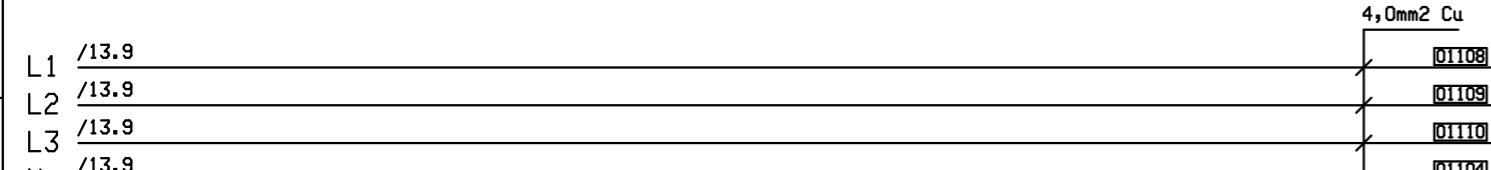
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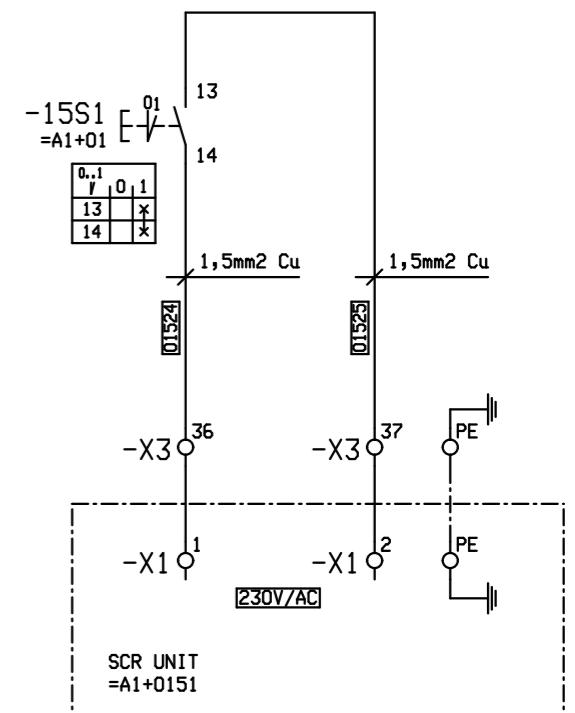
A

LOAD-BREAK SWITCH
REMOTE RELEASE@PXR L1
@PXR L2
@PXR L3
@PXR N

B



C



D

E

F

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

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WAA0002638
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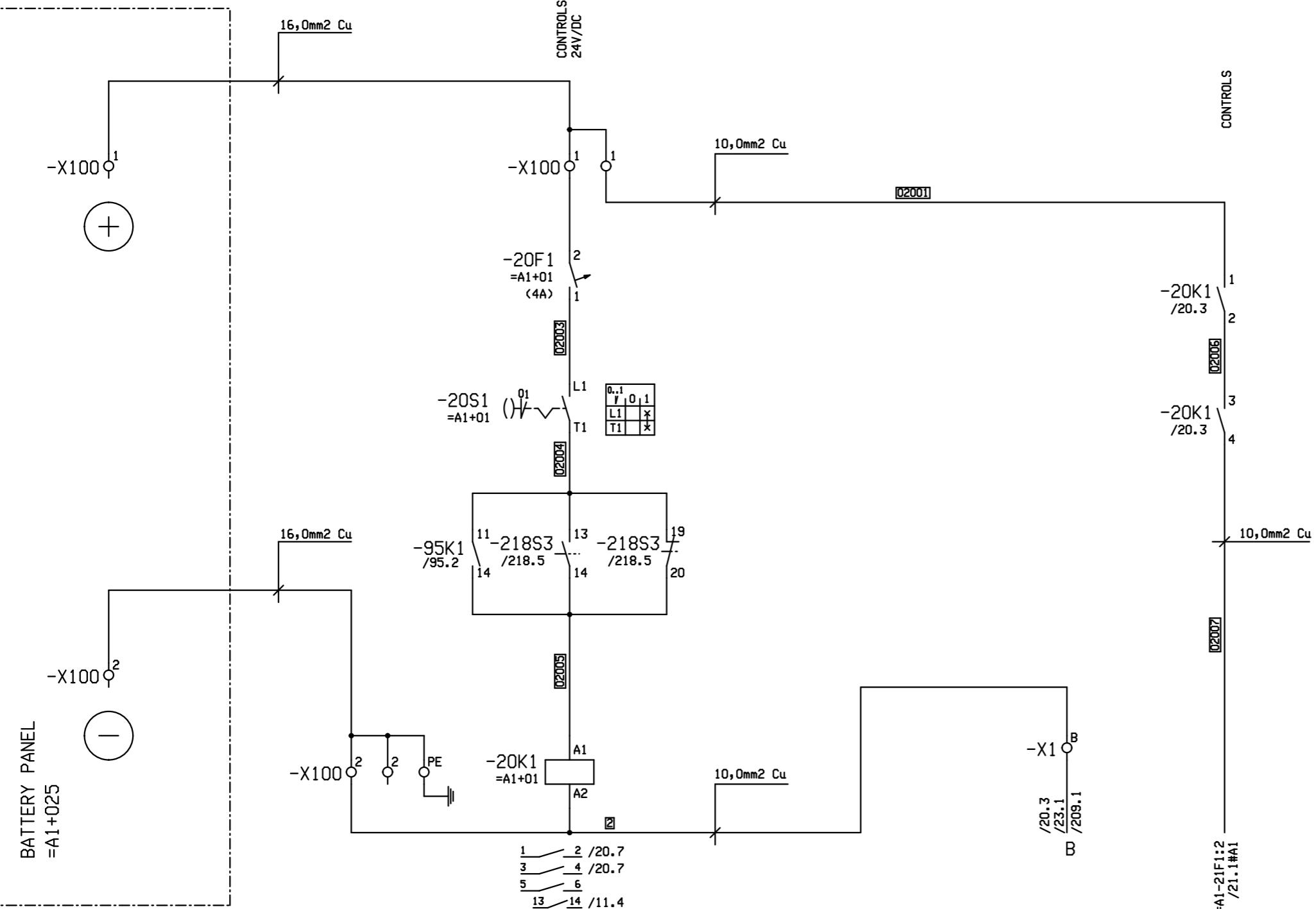


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File: ANWAA2638

SUPPLY VOLTAGE		=A1+01
DRIVE STATION		LV-CONTROL
Date	25.10.11	Sheet : 15
Cont.sheet:		20

A



Every wire with # is wiring for
ground and short circuit safety.

B

C

D

E

F

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Date	14.08.20	Dr.ch.by	Fhs				Date 01.03.12
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A

B

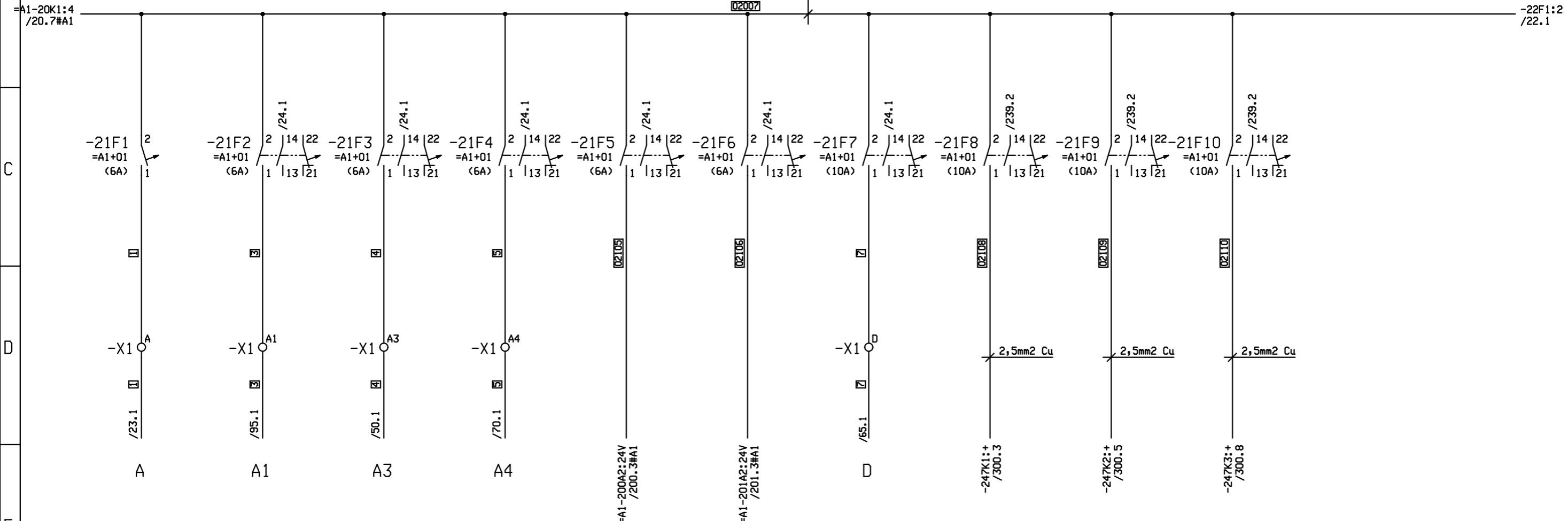
C

D

E

F

CONTROLS

CONTROLS
ON LINECONTROLS
SPS FSCONTROLS
SPS STSUPPLY VOLTAGE
SPS FSSUPPLY VOLTAGE
ST RACK 1SUPPLY VOLTAGE
BRAKE HYDRAULICSSUPPLY VOLTAGE
BRAKE UNIT
START POSITIONSUPPLY VOLTAGE
BRAKE UNIT
STOW 1SUPPLY VOLTAGE
SPINDLE MOTOR
PARK RAILSUPPLY VOLTAGE
SPINDLE MOTOR
FEED RAIL

Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	CIRCUIT BREAKERS DRIVE STATION	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 25.10.11
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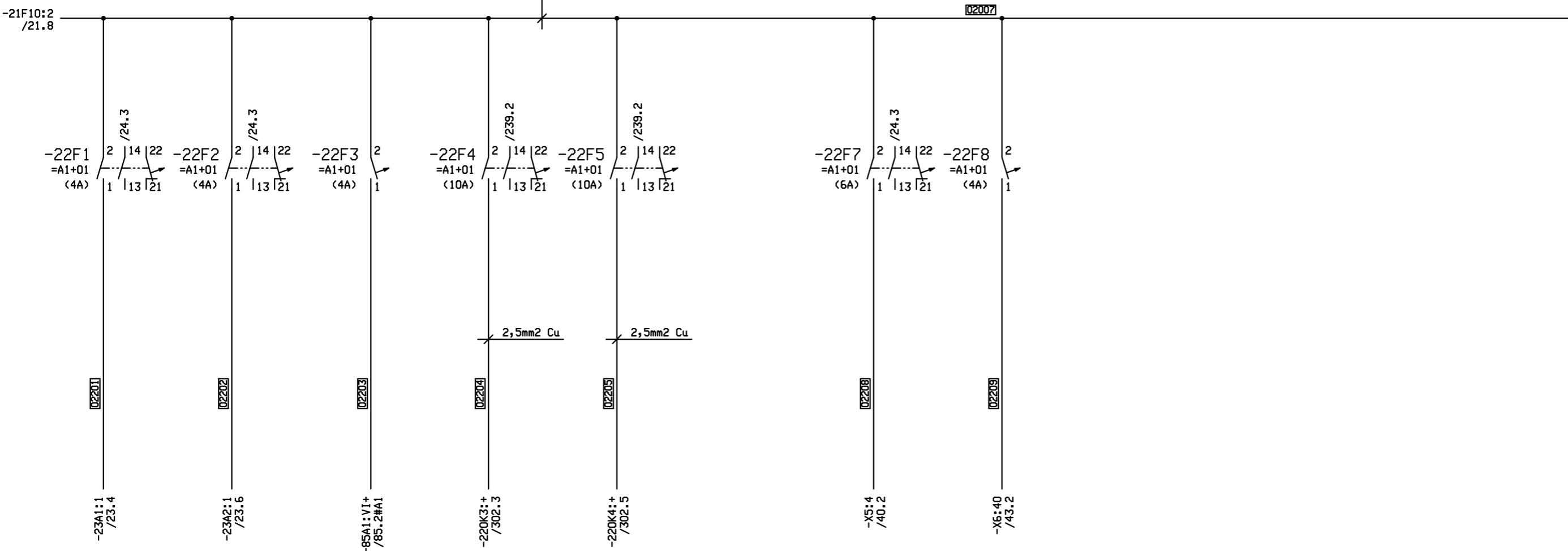
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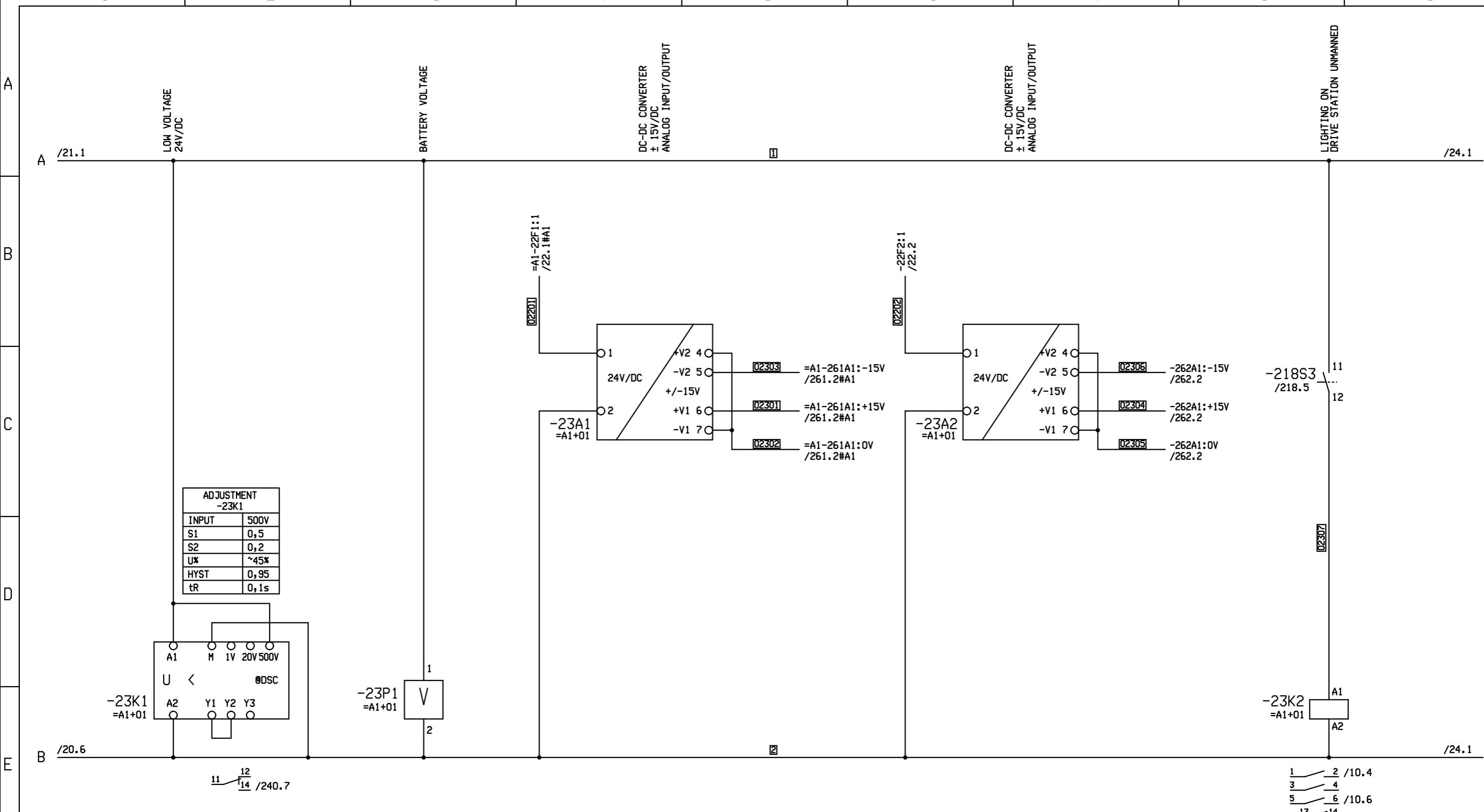
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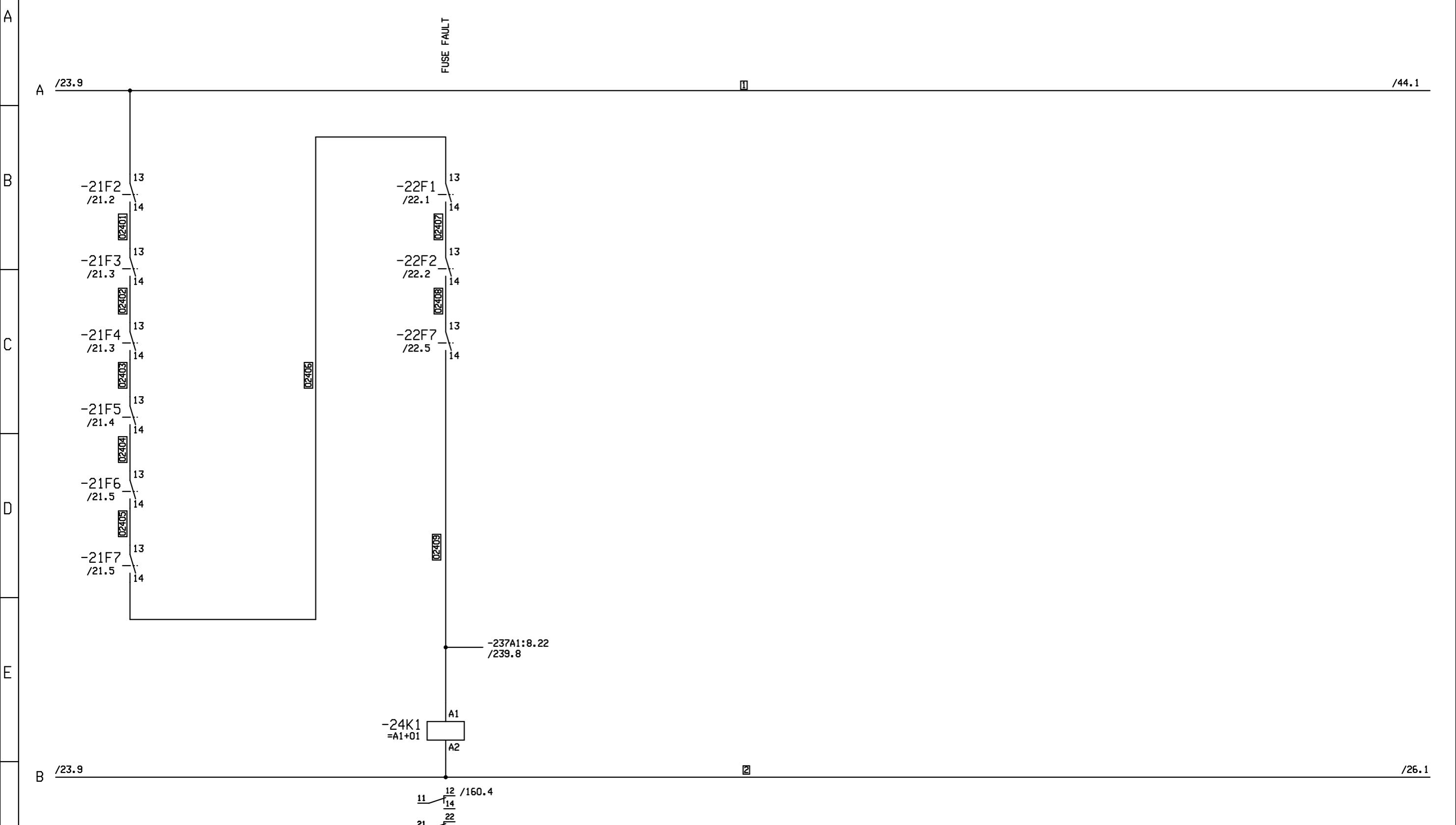
E

F

SUPPLY VOLTAGE
DC-DC CONVERTER
ANALOG INPUT/OUTPUTSUPPLY VOLTAGE
DC-DC CONVERTER
ANALOG INPUT/OUTPUTSUPPLY VOLTAGE
DC-DC CONVERTER
WIND MEASURING SYSTEMSUPPLY VOLTAGE
SAFETY CLUTCH 1SUPPLY VOLTAGE
SAFETY CLUTCH 2SUPPLY VOLTAGE
DC-DC CONVERTER
RPD SYSTEMSUPPLY VOLTAGE
CONTROLS
SCR UNITSUPPLY VOLTAGE
SOLENOID
TYRE CONVEYORSUPPLY VOLTAGE
WEATHER DOORSUPPLY VOLTAGE
SPACING CLUTCH
OUTGOINGSUPPLY VOLTAGE
SPACING CLUTCH
CURVED SECTION

Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	 CIRCUIT BREAKERS DRIVE STATION	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 25.10.11
File:	ANWAA2638						Sheet : 22 Cont.sheet: 23





Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	FUSE FAULT	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 14.08.20
File:	ANWAA2638						Sheet : 24 Cont.sheet: 25

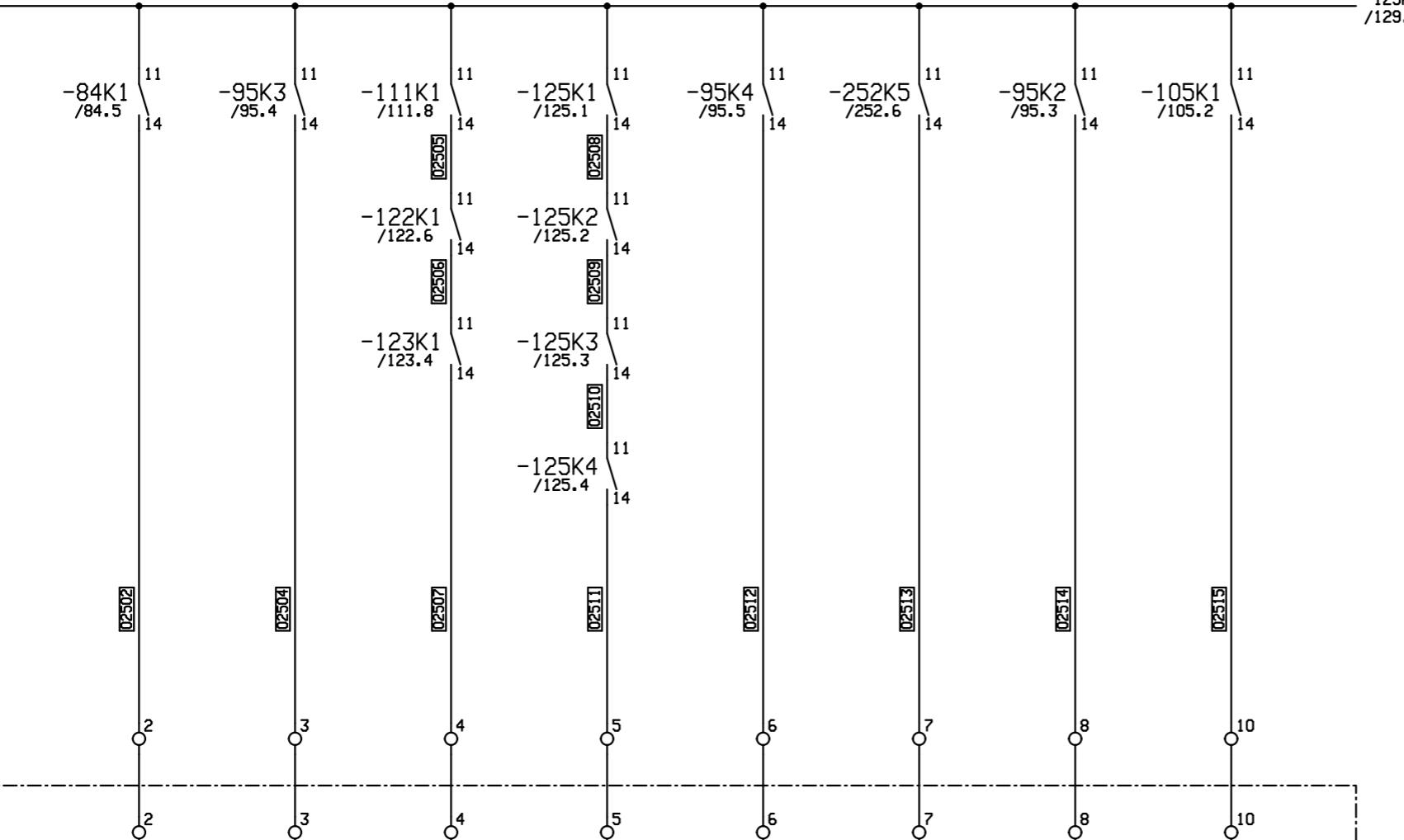
ROPE POSITION MONITORING

STOP EB BUTTONS
EMERG. STOP
MAINTENANCE
LOCK OUT
RETURN STATIONSTOP EB BUTTONS
EMERG. STOP
MAINTENANCE
LOCK OUT
DRIVE STATIONFAULT GRIP OPERATING LEVER
GEOMETRICAL GRIP GAUGE
DRIVE STATIONFAULT GRIP OPERATING LEVER
GEOMETRICAL GRIP GAUGE
RETURN STATION

OVERSPEED

VARIATION
TENSION FORCE

TELEPHONE CALL

-129K9:12
/129.9EMERGENCY DRIVE
=A1+013

A

B

C

D

E

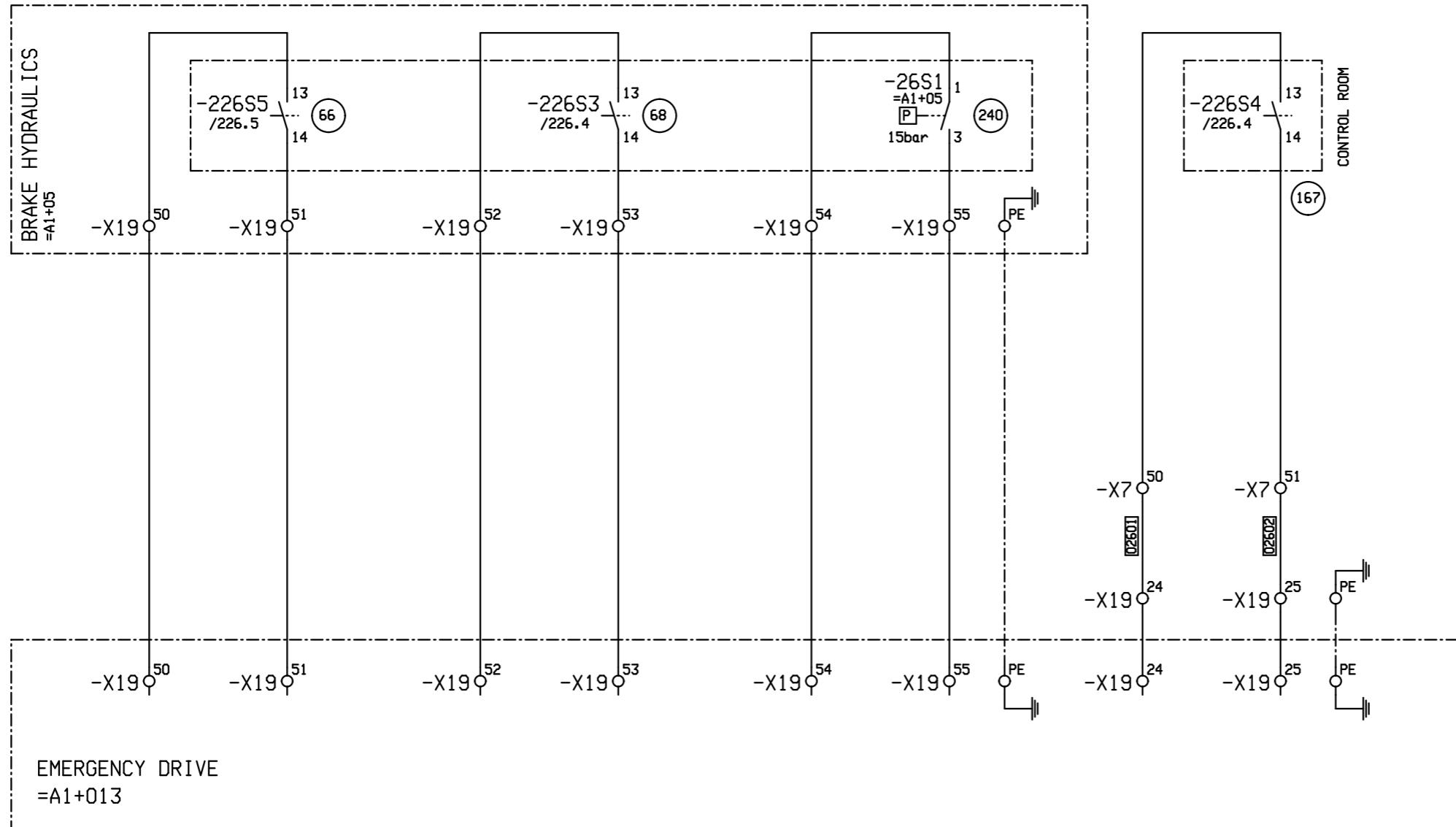
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Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>	CONNECTIONS TO AUX. DRIVE DRIVE STATION LV-CONTROL	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 11.09.13
File:	ANWAA2638						Sheet : 25 Cont.sheet: 26

A

EMERGENCY BRAKE
MECH. BLOCKEDEMERGENCY BRAKE
MANUAL DISENGAGING

BOOST PRESSURE

EMERGENCY BRAKE
MANUAL DISENGAGING

B

/24.9

2

/27.1

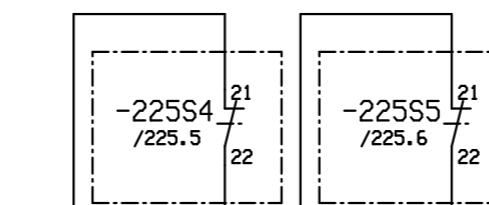
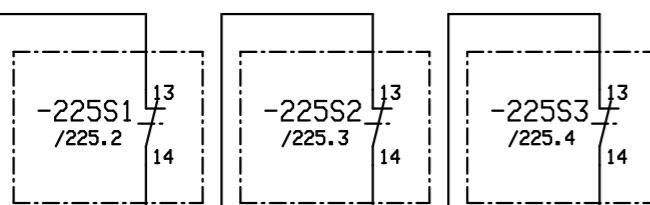
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Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>	CONNECTIONS TO AUX. DRIVE <table border="1"> <tr> <td>DRIVE STATION</td> <td>LV-CONTROL</td> </tr> </table>	DRIVE STATION	LV-CONTROL	=A1+01
DRIVE STATION	LV-CONTROL								
Date	14.08.20	Dr.ch.by	Fhs	Date 21.04.11					
File:	ANWAA2638			Sheet : 26 Cont.sheet: 27					

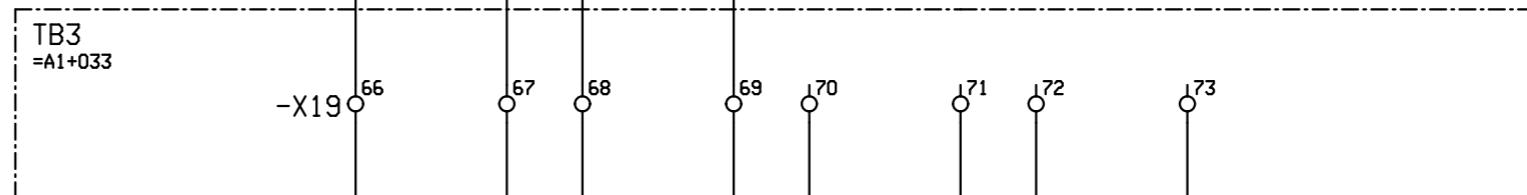
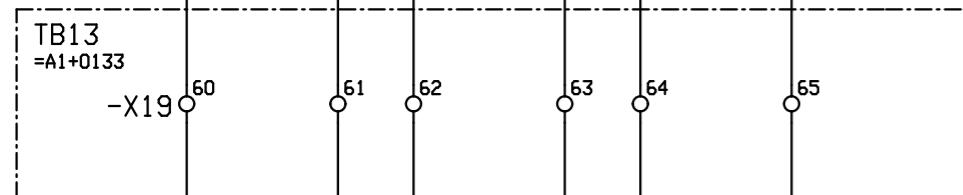
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EMERGENCY BRAKE 1
OPEN/CLOSEDEMERGENCY BRAKE 2
OPEN/CLOSEDEMERGENCY BRAKE 3
OPEN/CLOSEDSERVICE BRAKE 1
OPEN/CLOSEDSERVICE BRAKE 2
OPEN/CLOSEDSERVICE BRAKE 3
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OPEN/CLOSED

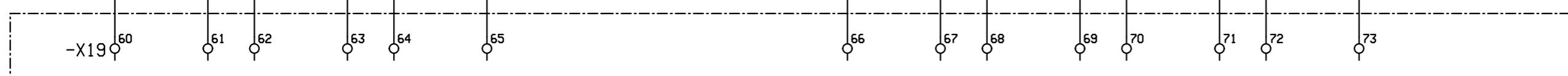
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C



D



EMERGENCY DRIVE
=A1+013

E

B /26.9

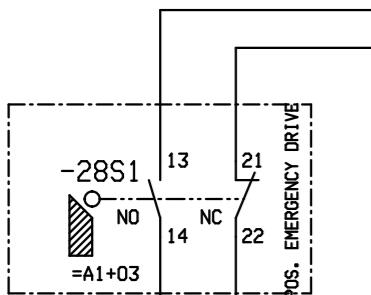
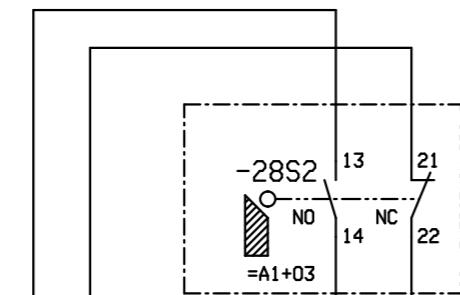
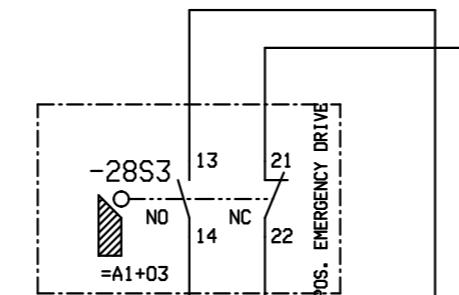
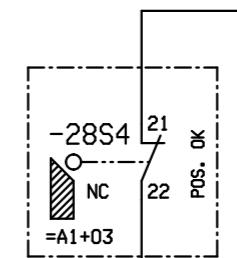
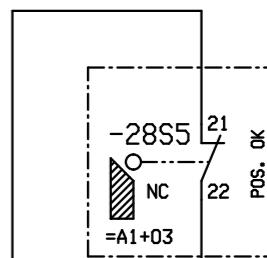
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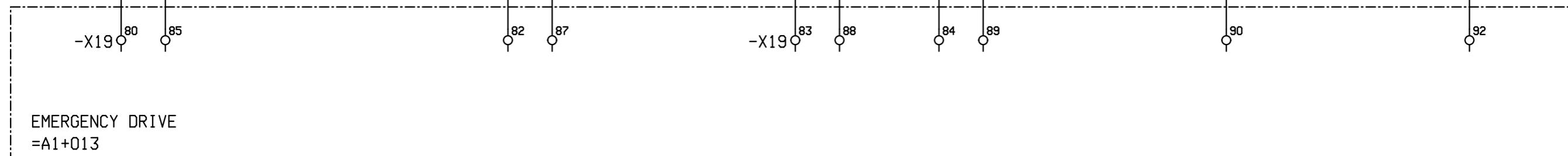
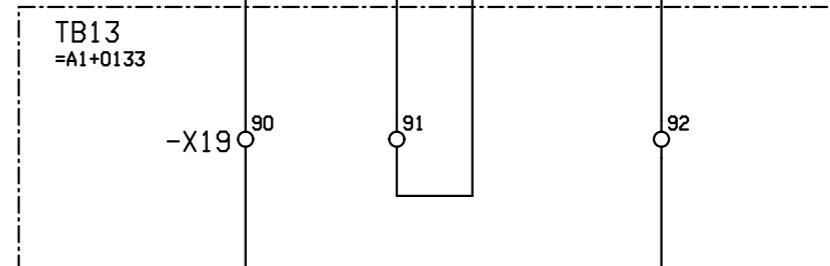
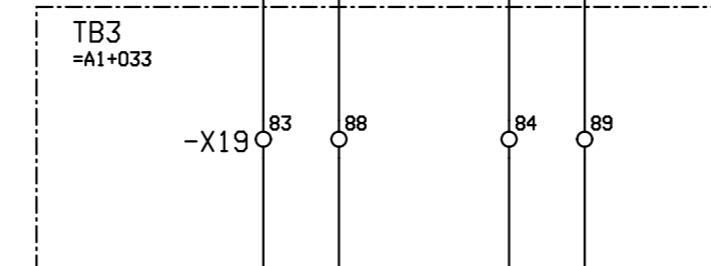
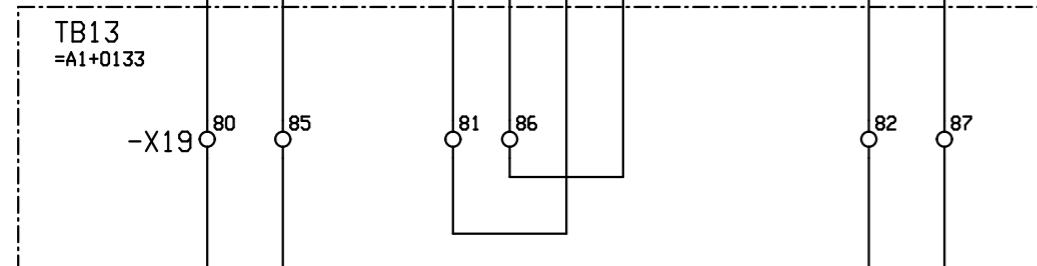
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Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	CONNECTIONS TO AUX. DRIVE	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 25.10.11
File:	ANWAA2638						Sheet : 27 Cont.sheet: 28

A

OIL MOTOR 1
GEARING MONITORING
POS. AUXILIARY DRIVEOIL MOTOR 2
GEARING MONITORING
POS. AUXILIARY DRIVEGEARBOX
GEARING MONITORING
POS. AUXILIARY DRIVEOIL MOTOR 1
BYPASSOIL MOTOR 2
BYPASS

B

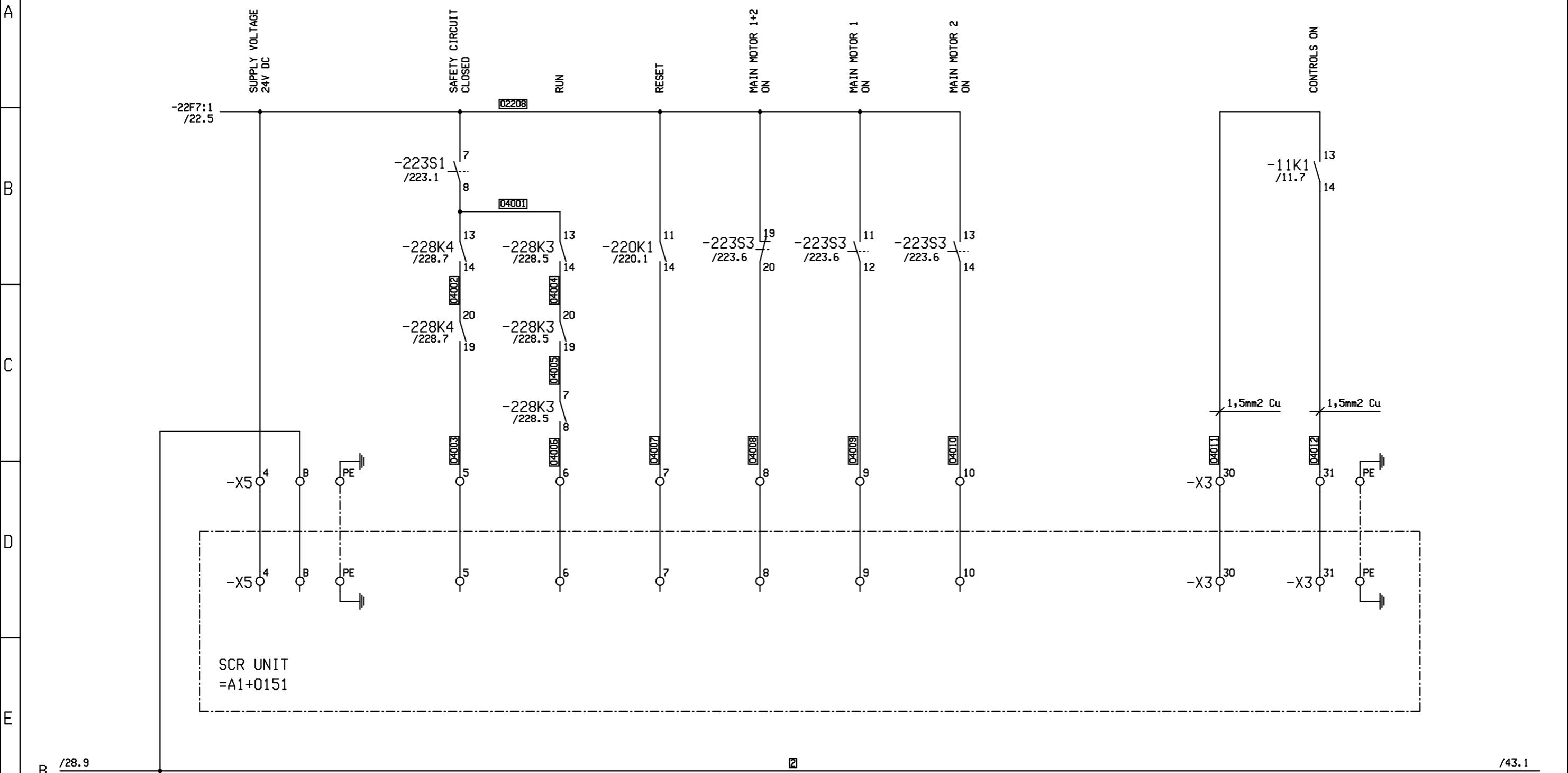


B

/27.9

□

/40.1



A

-22F8:1
/22.6

@PXR

LUBRICATION SYSTEM GRIP OPERATING LEVER

LUBRICATION SYSTEM GUIDE RAIL

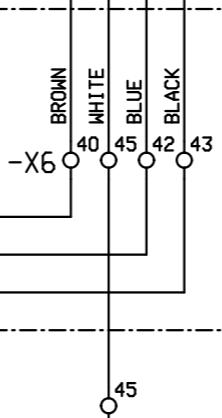
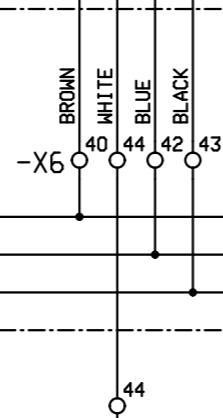
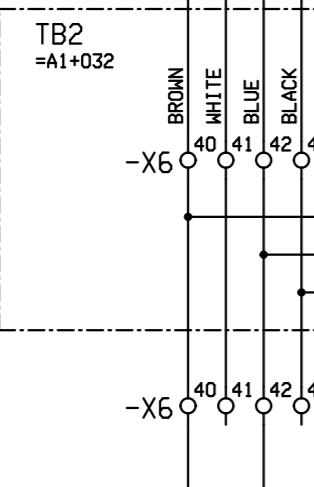
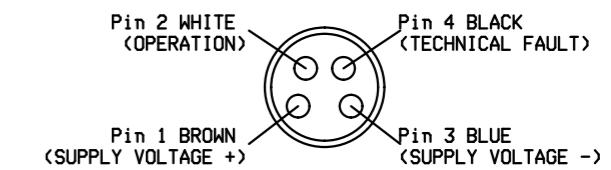
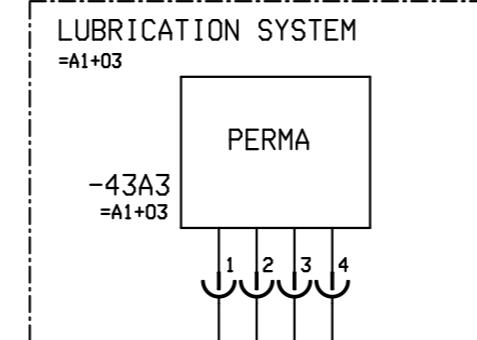
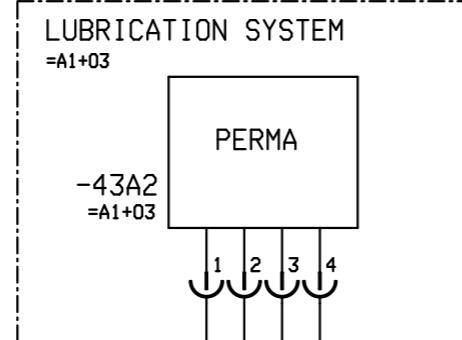
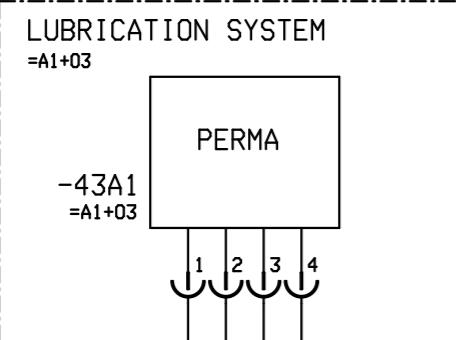
LUBRICATION SYSTEM TRACK ROLLER OPTIONAL

02209

ADJUSTMENT LUBRICATION SYSTEM DIP - SWITCH				
ADJUSTMENT:	S1	1	2	3
TIME = 100h	ON	ON	ON	ON
VOL = 5,79cm ³		TIME	VOL.	

ADJUSTMENT LUBRICATION SYSTEM DIP - SWITCH				
ADJUSTMENT:	S1	1	2	3
TIME = 100h	ON	ON	ON	ON
VOL = 5,79cm ³		TIME	VOL.	

ADJUSTMENT LUBRICATION SYSTEM DIP - SWITCH				
ADJUSTMENT:	S1	1	2	3
TIME = 100h	ON	ON	ON	ON
VOL = 5,79cm ³		TIME	VOL.	



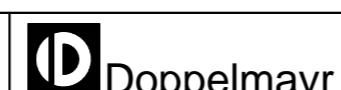
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2

/44.1

Revision	2.1	Drawn by	LOJ
Date	14.08.20	Dr.ch.by	Fhs

10-MGD BANA BIG ROPEWAY
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® SUPPLY LUBRICATION SYSTEM

DRIVE STATION

LV-CONTROL

=A1+01

Date 11.09.13

Sheet : 43

Cont.sheet: 44

File: ANWAA2638

A

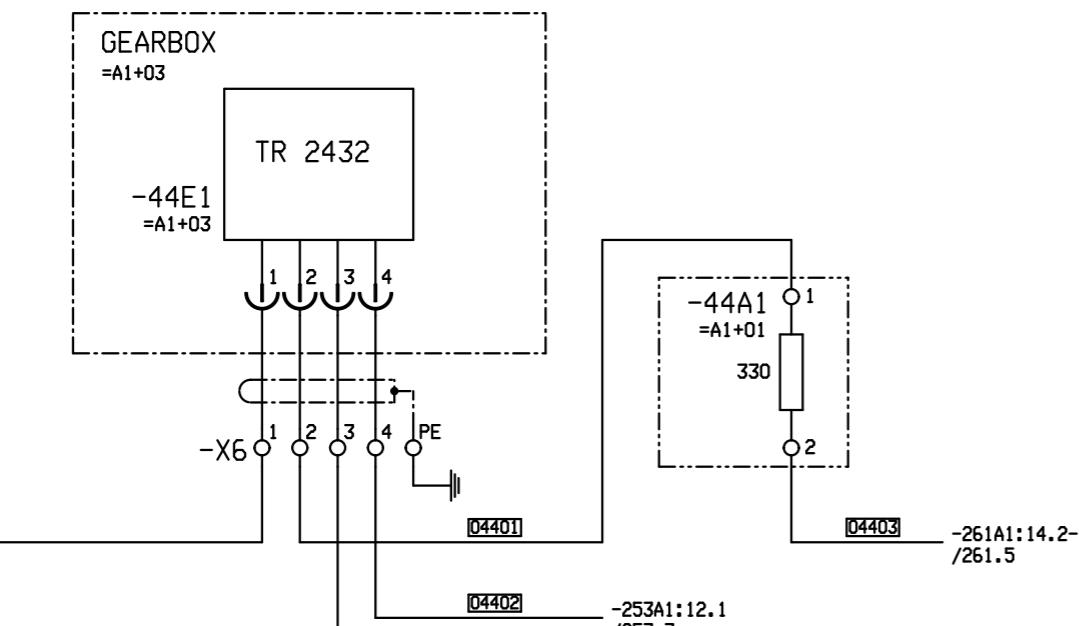
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A /24.9

/46.1

①

B



C

D

E

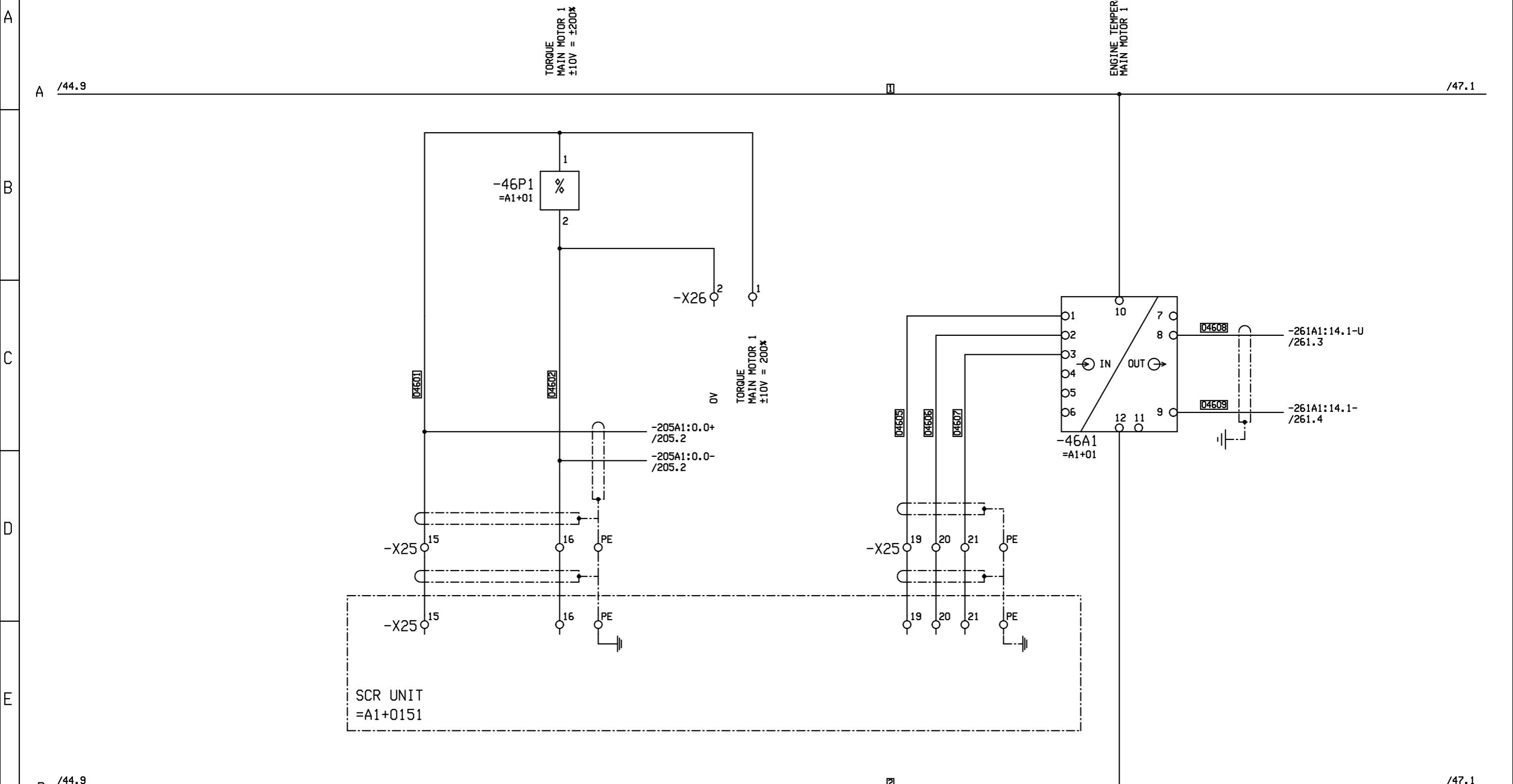
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②

B /43.9

/46.1

Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>	=A1+01
Date	14.08.20	Dr.ch.by	Fhs			Date 27.10.11
File:	ANWAA2638					Sheet : 44 Cont.sheet: 46
					GEAR BOX TEMP.	
					DRIVE STATION	LV-CONTROL



A

A /46.9

/61.1

TORQUE
MAIN MOTOR 2
 $\pm 10V = \pm 200\text{x}$ ENGINE TEMPERATURE
MAIN MOTOR 2

II

B

-47P1
=A1+01

[04701]

[04702]

-X26
4
3OV
TORQUE
MAIN MOTOR 2
 $\pm 10V = 200\text{x}$ -205A1:0.1+
/205.3
-205A1:0.1-
/205.4-X25
35
36
PESCR-DRIVE 2
=A1+0152[04705]
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39
40
41
PE

B /46.9

/50.1

I

F

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

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D Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

SCR-DRIVE 2

DRIVE STATION

LV-CONTROL

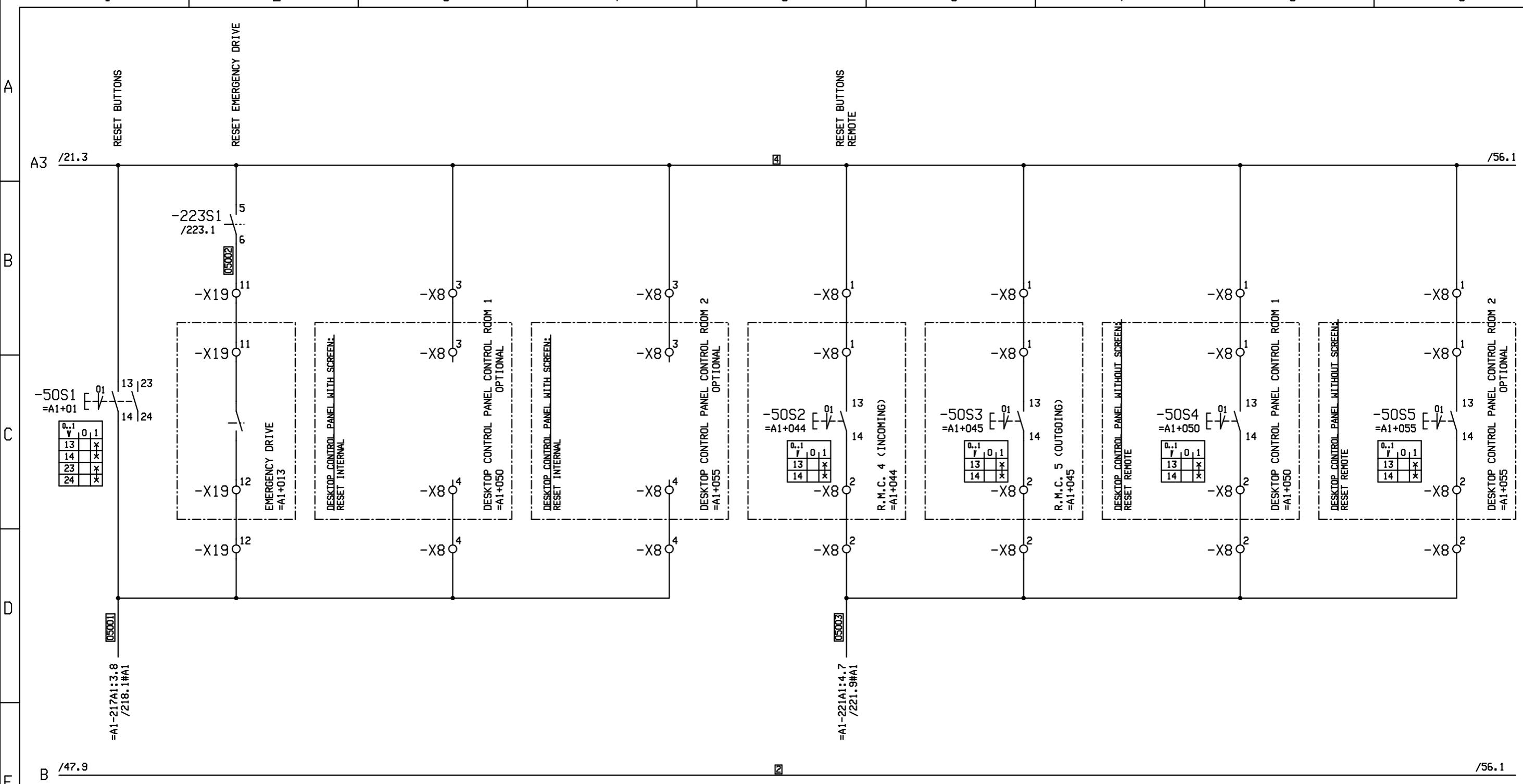
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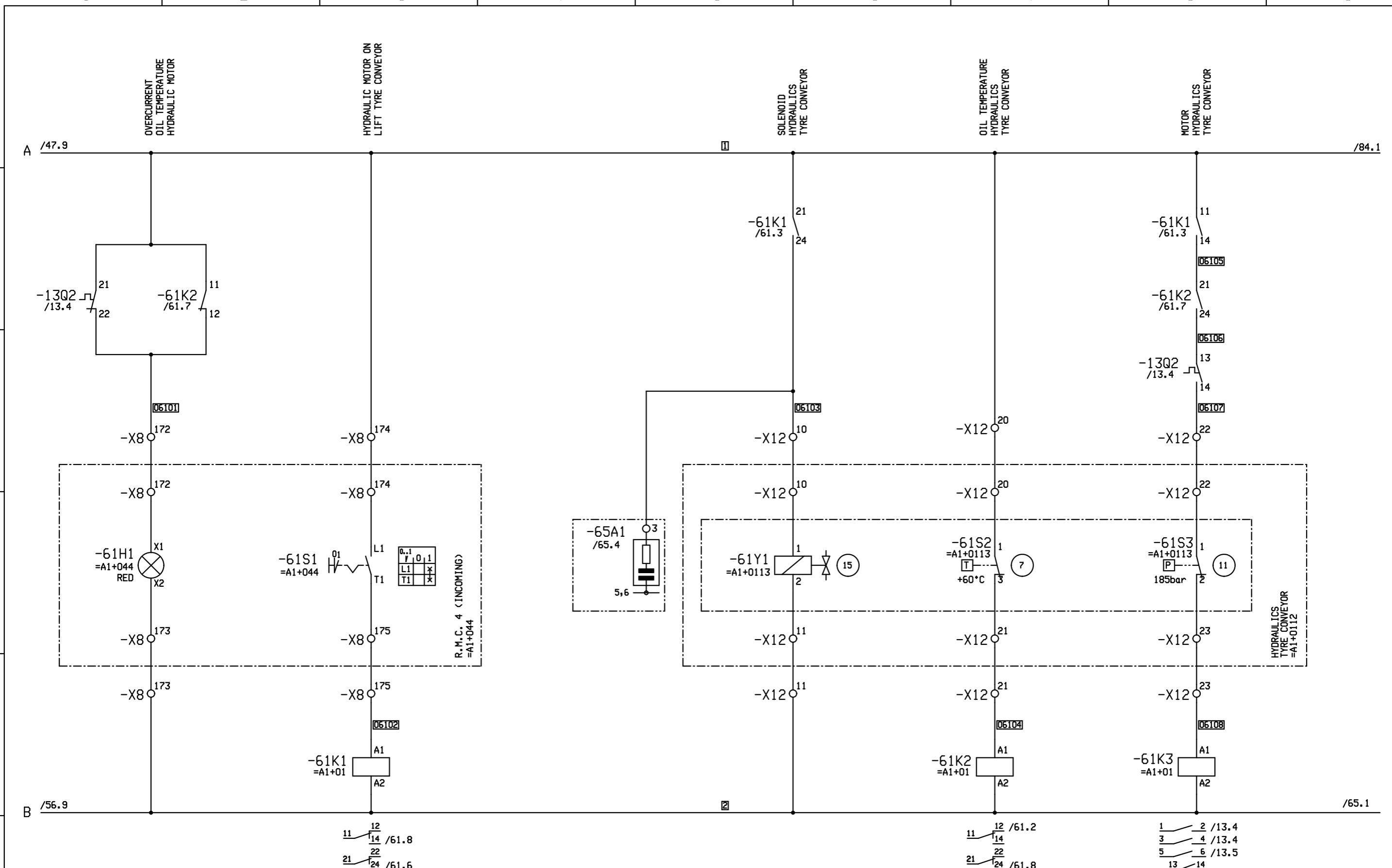
Date 20.11.12

Sheet : 47

Cont.sheet: 50

File: ANWAA2638





Revision	2.1	Drawn by	L0J
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File: ANWAA2638			

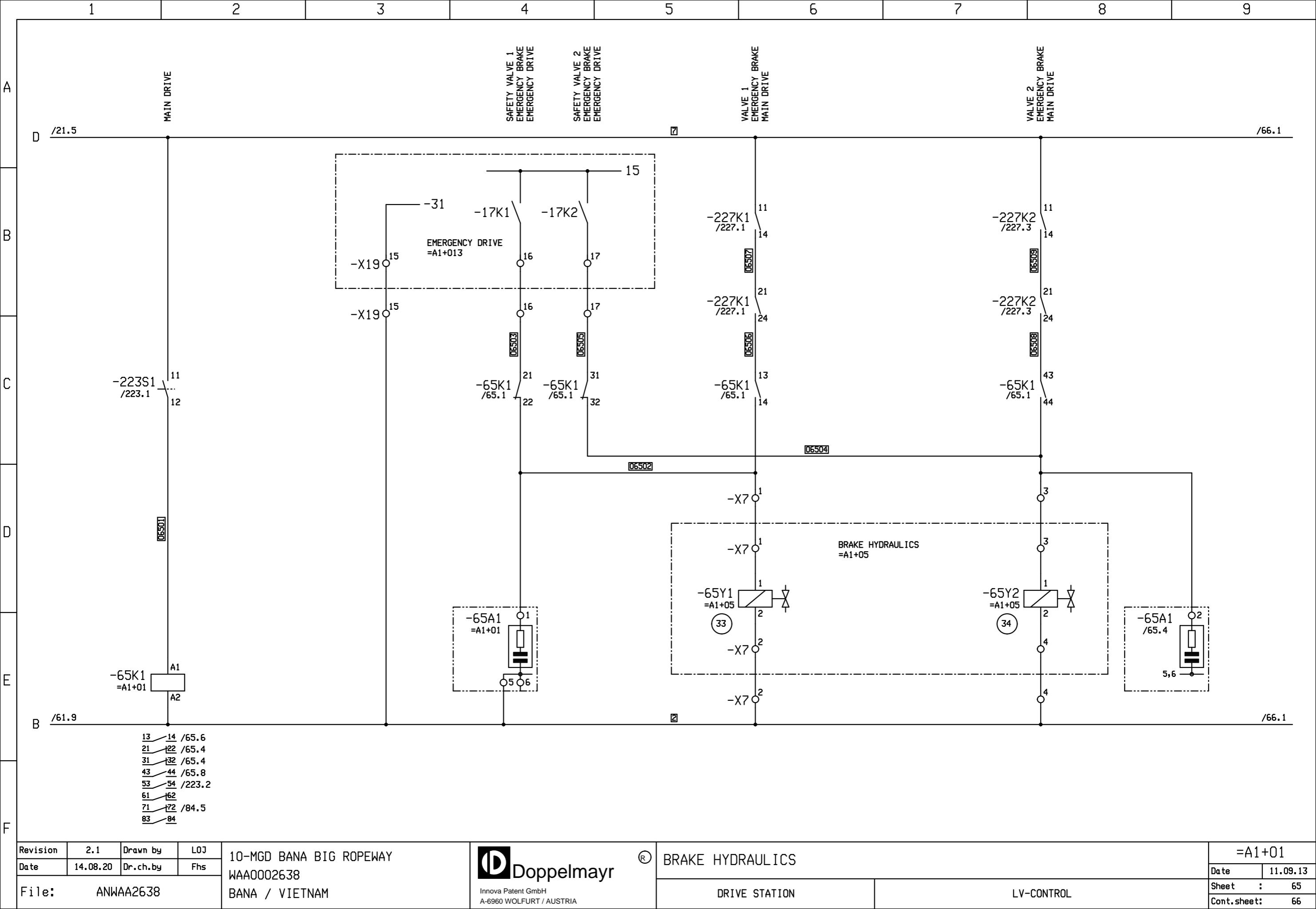
10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM

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Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

VALVES TYRE CONVEYOR
DRIVE STATION

LV-CONTROL

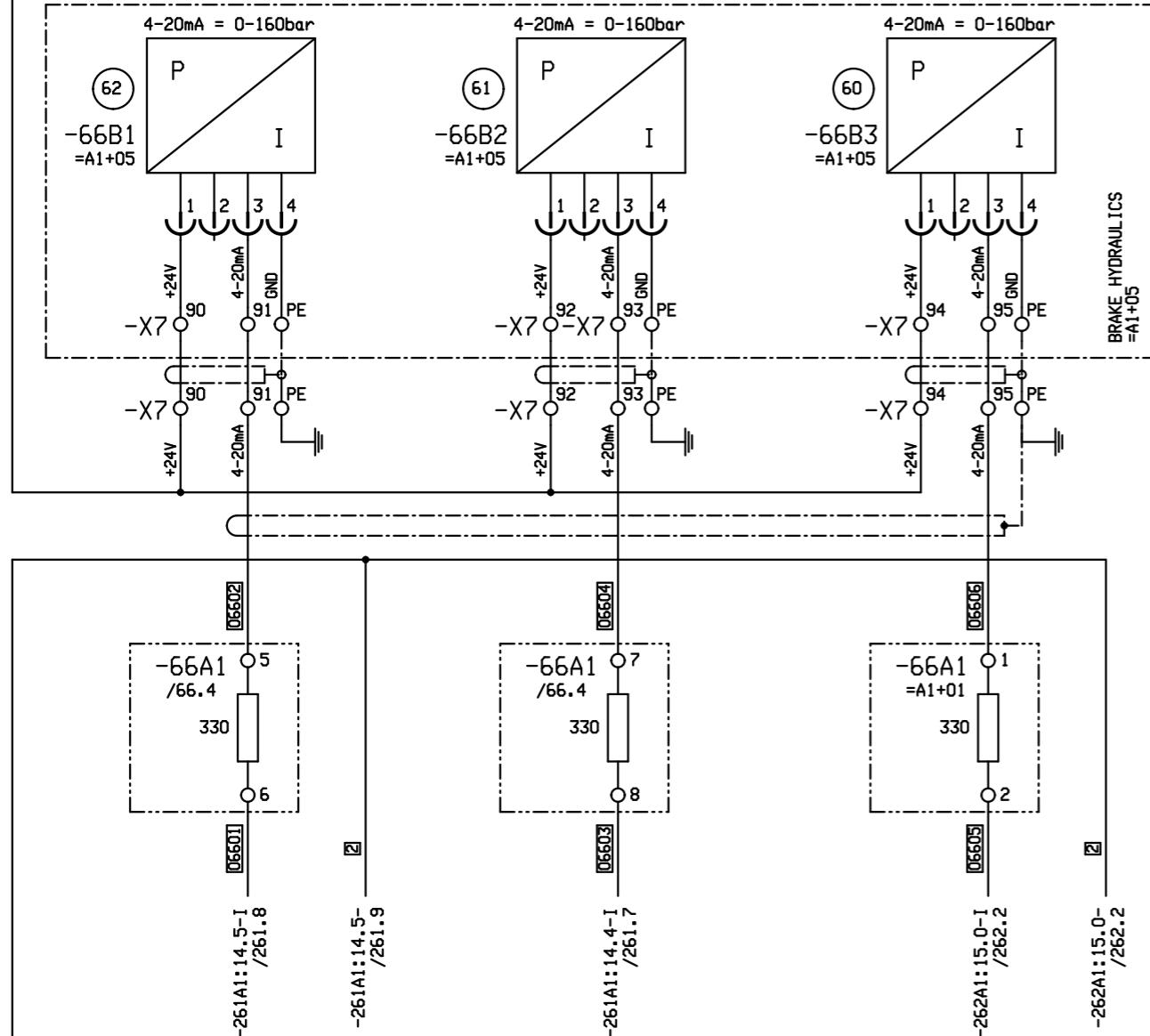
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Date 25.10.11
Sheet : 61
Cont.sheet: 65



A

D /65.9

/227.1

PRESSURE TRANSDUCER
OPERATION PRESSURE
SERVICE BRAKEPRESSURE TRANSDUCER
OPERATION PRESSURE
EMERGENCY BRAKEPRESSURE TRANSDUCER
CONTROL VALVES
EMERGENCY BRAKE

B /65.9

/67.1

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

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DOPPELMAYR



=A1+01
Date 21.04.11
Sheet : 66

DRIVE STATION

LV-CONTROL

Cont.sheet: 67

A

B

C

D

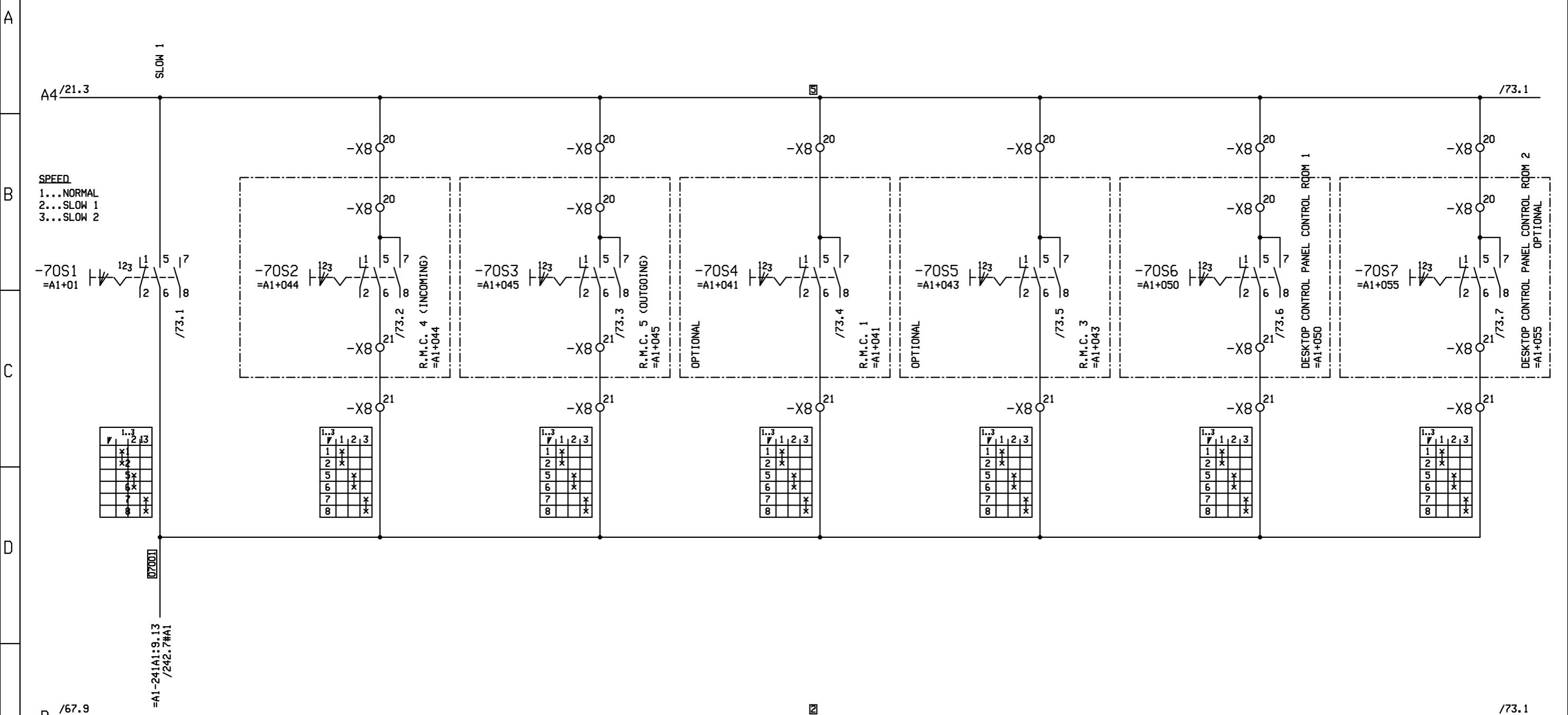
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F

EMERGENCY BRAKE 1
OPEN/CLOSEDEMERGENCY BRAKE 2
OPEN/CLOSEDEMERGENCY BRAKE 3
OPEN/CLOSEDSERVICE BRAKE 1
OPEN/CLOSEDSERVICE BRAKE 2
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21 22 2411 12 /162.3
21 22 24

/70.1

Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>	LIMIT SWITCH BRAKE DRIVE STATION	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 11.07.11
File:	ANWAA2638						Sheet : 67 Cont.sheet: 70



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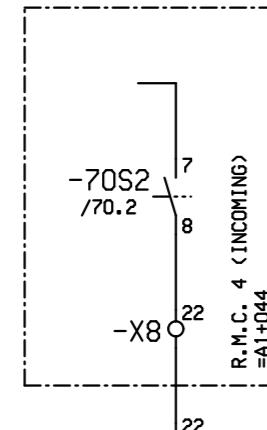
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/80.2

5

B

-70S1
/70.1-70S2
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/70.5

OPTIONAL

-70S5
/70.6R.M.C. 1
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/70.7

OPTIONAL

-70S7
/70.9R.M.C. 3
=A1+043

DESKTOP CONTROL PANEL CONTROL ROOM 1

DESKTOP CONTROL PANEL CONTROL ROOM 2
OPTIONAL

[0730]

=A1-241A1:9.14
/242.8#A1

C

B /70.9

/80.1

2

F

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM



®

SLOW 2

=A1+01

Date 25.10.11

File: ANWAA2638

Innova Patent GmbH
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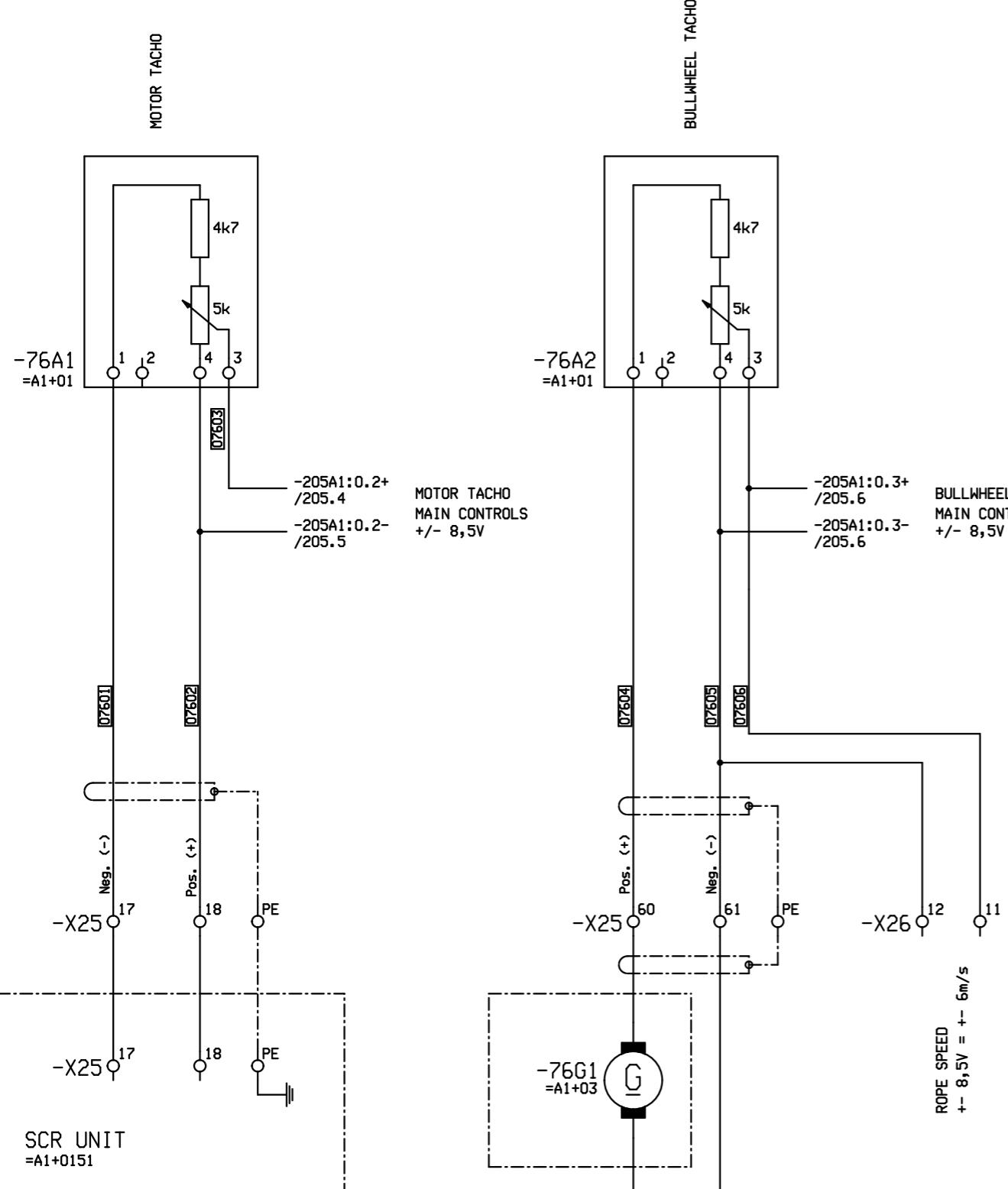
DRIVE STATION

LV-CONTROL

Sheet : 73

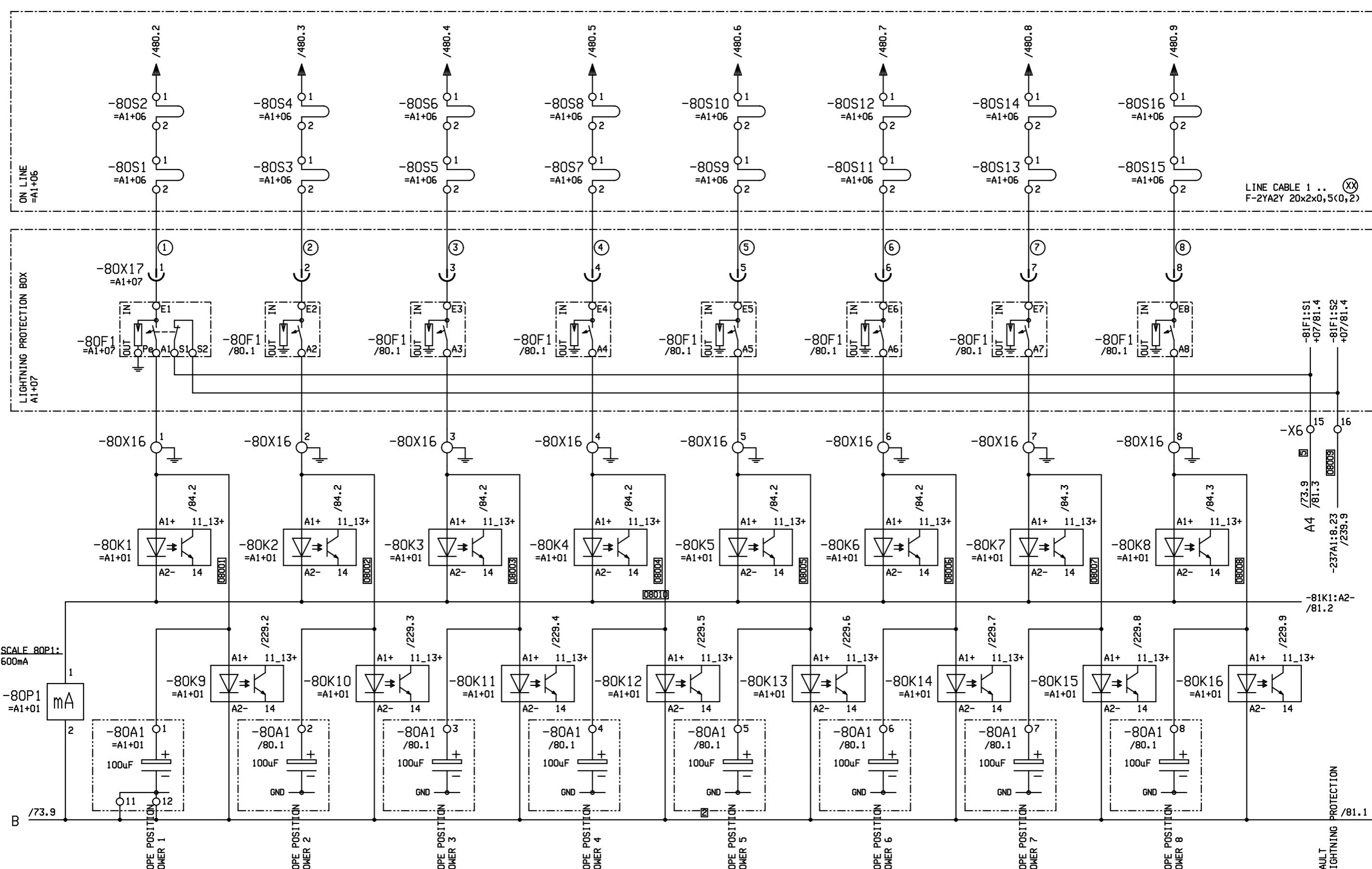
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A



F

1 2 3 4 5 6 7 8 9



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

10-MGD BANA BIG ROPEWAY

WAA0002638

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A-6960 WOLFURT / AUSTRIA

® ROPE POSITION MONITORING

DRIVE STATION

LV-CONTROL

=A1+01

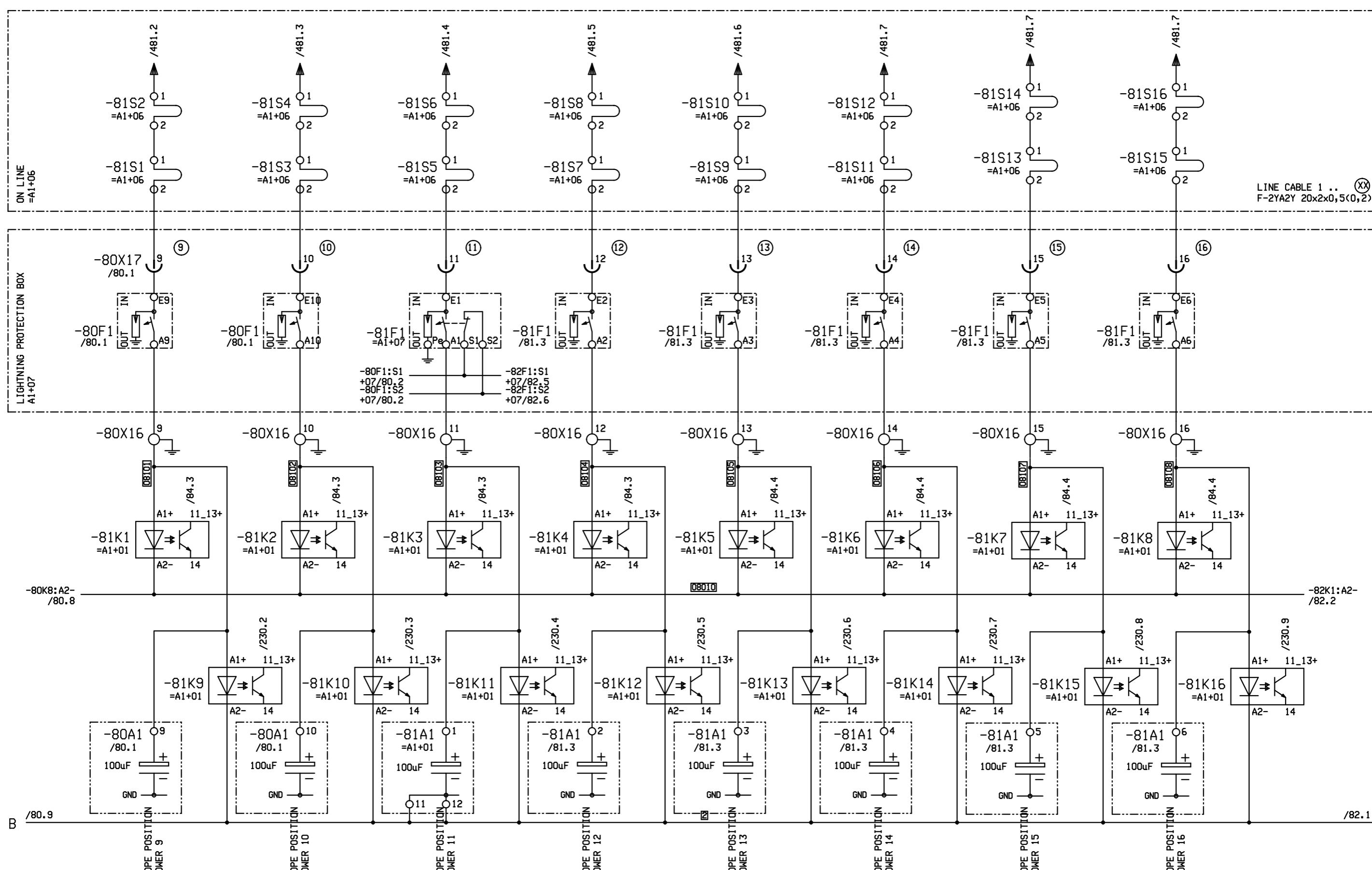
Date 14.08.20

Sheet : 80

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1 2 3 4 5 6 7 8 9



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

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BANA / VIETNAM

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ROPE POSITION MONITORING

DRIVE STATION

LV-CONTROL

=A1+01

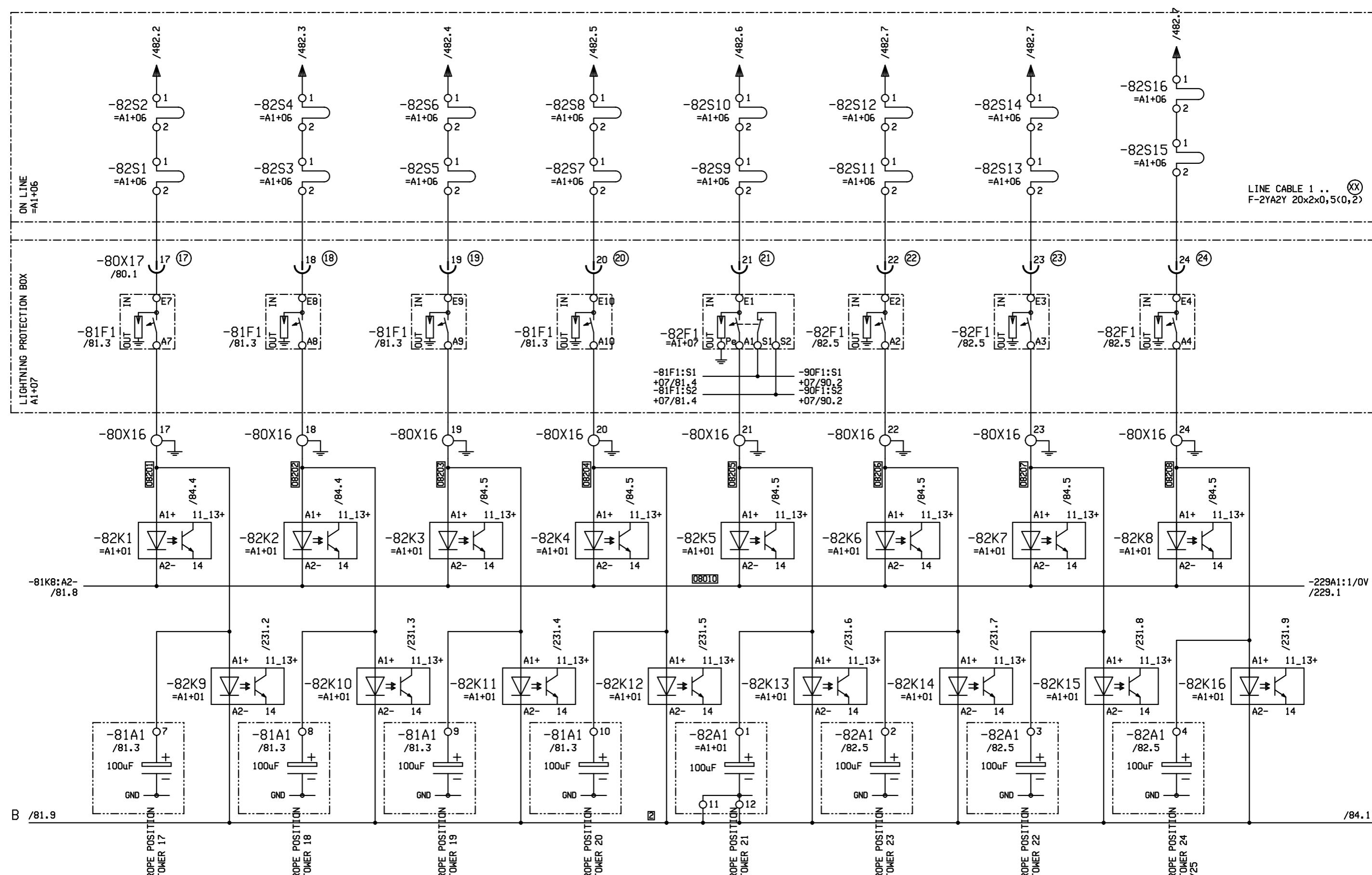
Date 14.08.20

Sheet : 81

Cont.sheet: 82

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1 2 3 4 5 6 7 8 9



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Date	14.08.20	Dr.ch.by	Fhs	Date 14.08.20
10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM				File: ANWAA2638
 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA				Sheet : 82 Cont.sheet: 84
DRIVE STATION		LV-CONTROL		

A

A /61.9

/90.1

ROPE POSITION MONITORING
EMERGENCY DRIVE

1

B

-80K1
/80.1
11-13+
14-80K2
/80.2
11-13+
14-80K3
/80.3
11-13+
14-80K4
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/82.9

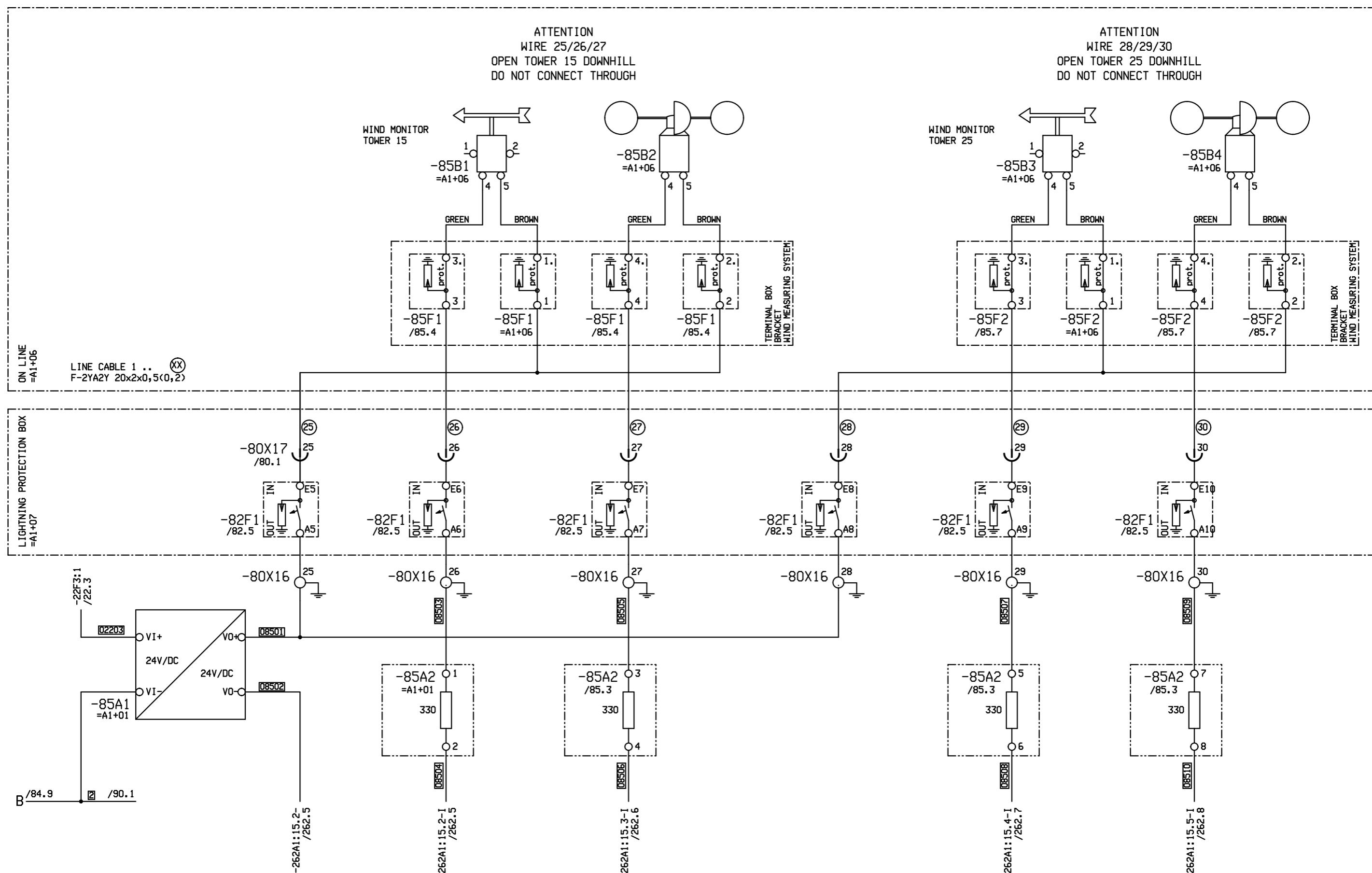
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11
14 /25.2
21
24

F

Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
Date	14.08.20	Dr.ch.by	Fhs			Date 14.08.20
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		ROPE POSITION MONITORING		DRIVE STATION		LV-CONTROL



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10-MGD BANA BIG ROPEWAY

18 NOV 2011

WAAUUUZ638
PANA / VIETNAM



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A-6960 WOLFSBURG / AUSTRIA

1

WIND WARNING

DRIVE STATION

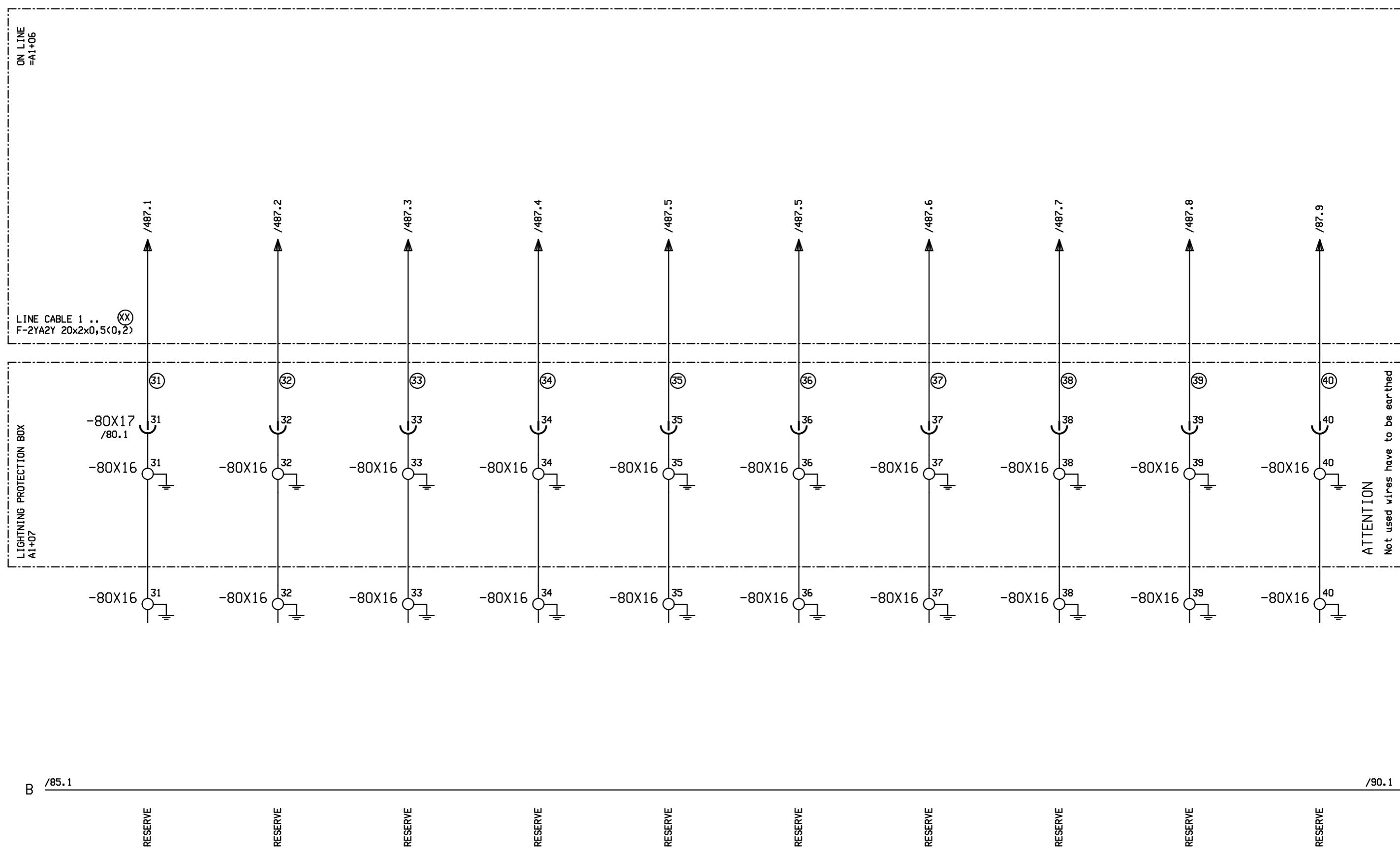
LV-CONTROL

=A1+01

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A /84.

STOP RETURN STATION

EMERG STOP RETURN STATION

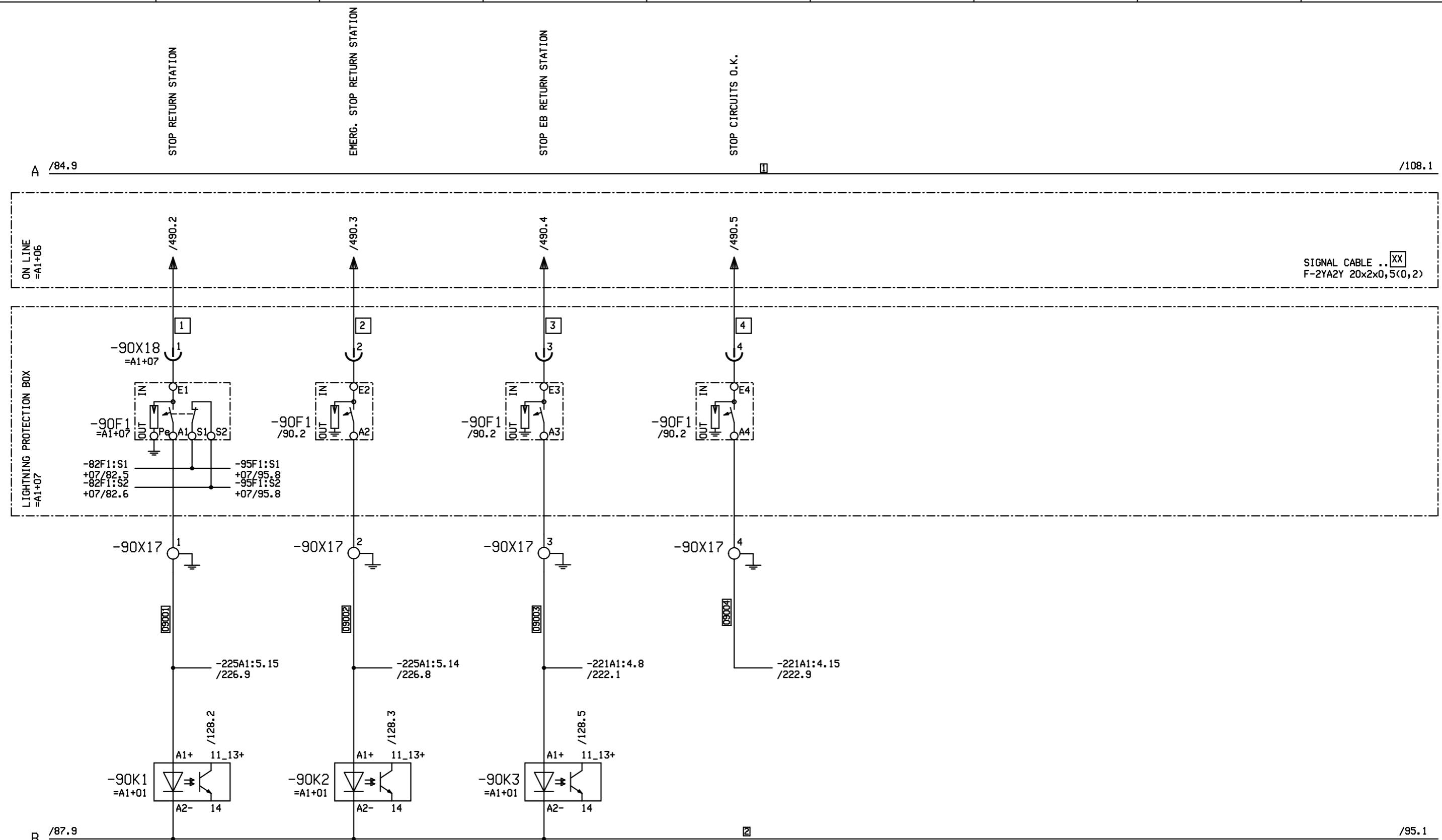
STOP EB RETURN STATION

STOP CIRCUITS O.K.

/108.1

N LINE
A1+05

LIGHTNING PROTECTION BOX
=A1+07



Revision	2.1	Drawn by	LOJ	1 W B
Date	14.08.20	Dr.ch.by	Fhs	
File:		ANWAA2638		

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM



® CONNECTIONS RETURN STATION

DRIVE STATION

=A1+01
| 02.03.12
t : 90
.sheet: 95

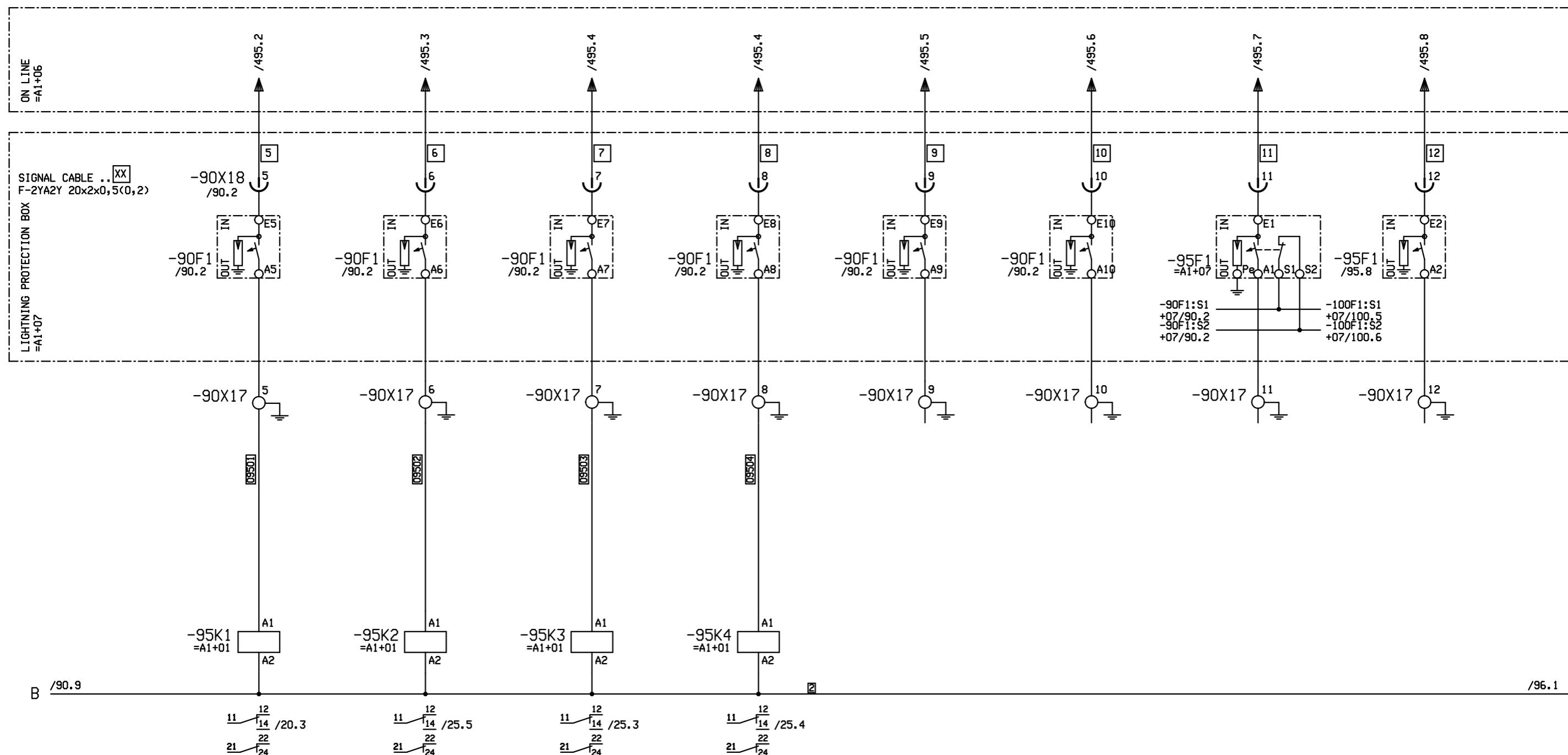
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CONTROLS ON
DRIVE STATION UNMANNEDFAULT TENSION FORCE
FOR EMERGENCY DRIVEMAINTENANCE LOCK OUT
EMERG. STOP BUTTONS
STOP EB BUTTONS
RETURN STATIONFAULT GRIP OPERATING LEVER
GEOMETRICAL GRIP GAUGE
RETURN STATIONCURRENT LOOP 0-20mA
REF. VALUE PARKINGRPD ON
RETURN STATION

RESERVE

A1/21.2

/96.1



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

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CONNECTIONS RETURN STATION

DRIVE STATION

LV-CONTROL

=A1+01

Date 22.11.12

Sheet : 95

Cont.sheet: 96

File: ANWAA2638

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RESERVE

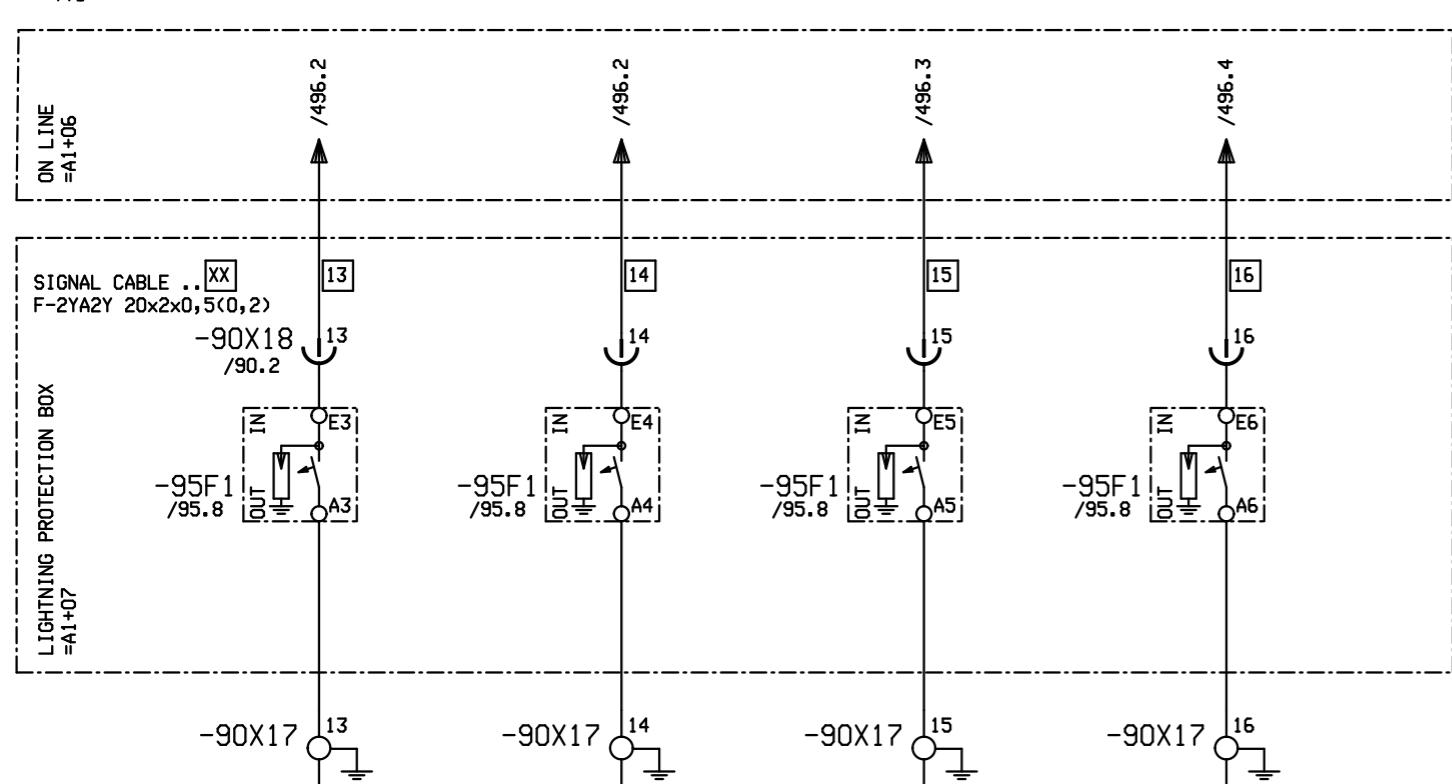
RESERVE

RESERVE

SIGNAL

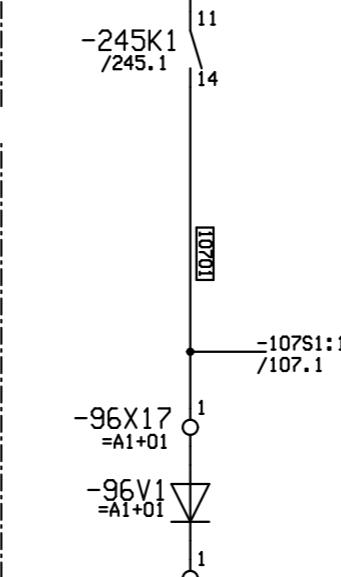
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A1 /95.9



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B /95.9

/100.1

-96K5
=A1+01A1
A2
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14 /108.1
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24 /108.3

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Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

File: ANWAA2638

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CONNECTIONS RETURN STATION

DRIVE STATION

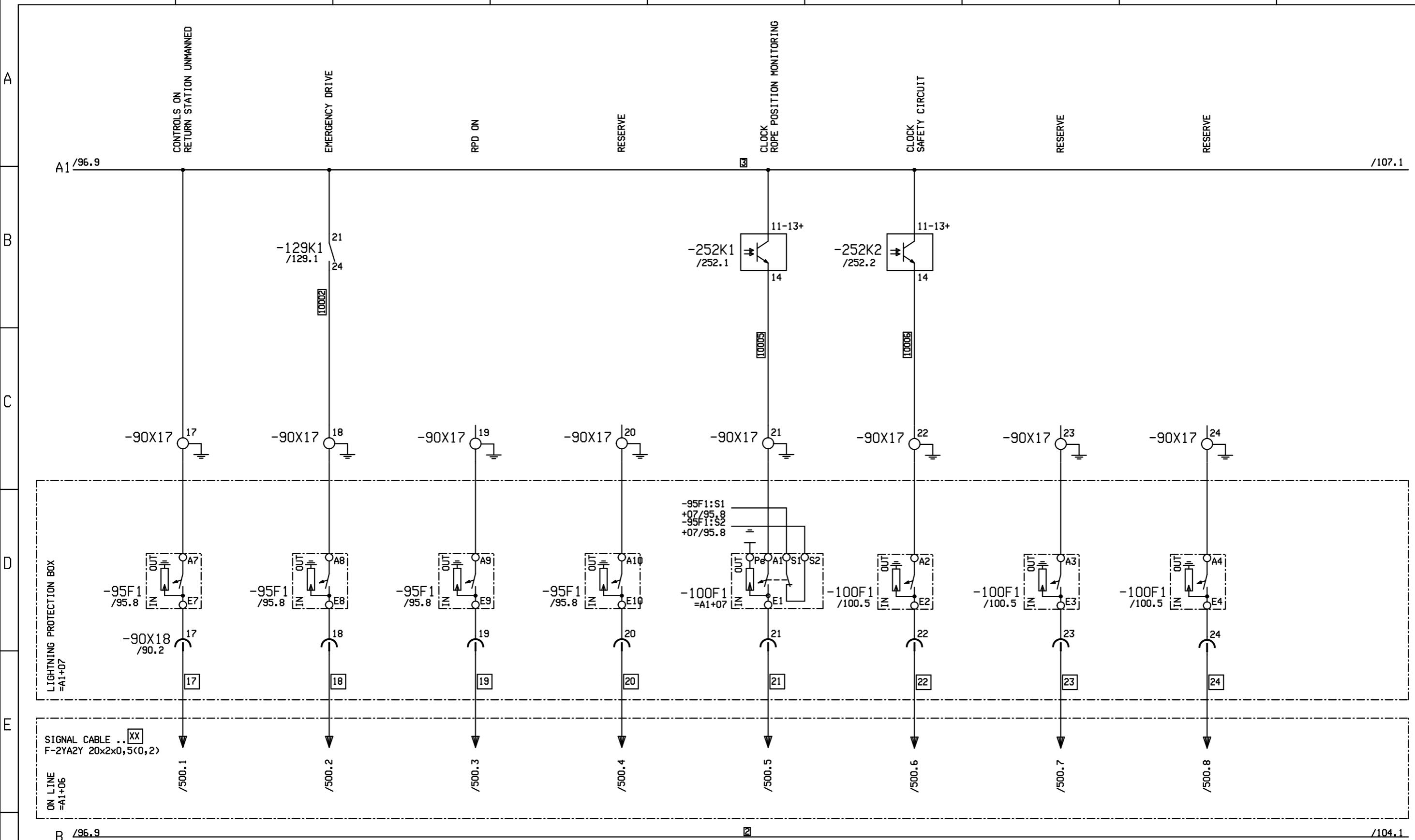
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Date 02.03.12

Sheet : 96

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Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

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CONNECTIONS RETURN STATION

DRIVE STATION

LV-CONTROL

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Date 02.03.12

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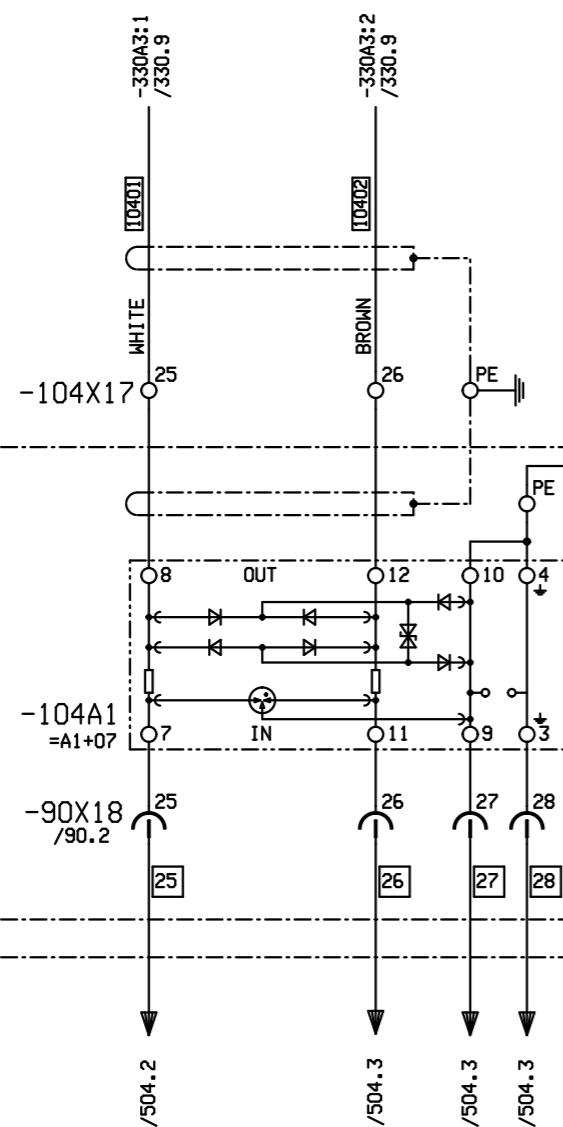
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INTERFACE
TRANSMISSION
SCREEN

ATTENTION

USE ONLY TWISTED PAIR CABLE!

ATTENTION
Not used wires have to be earthed

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

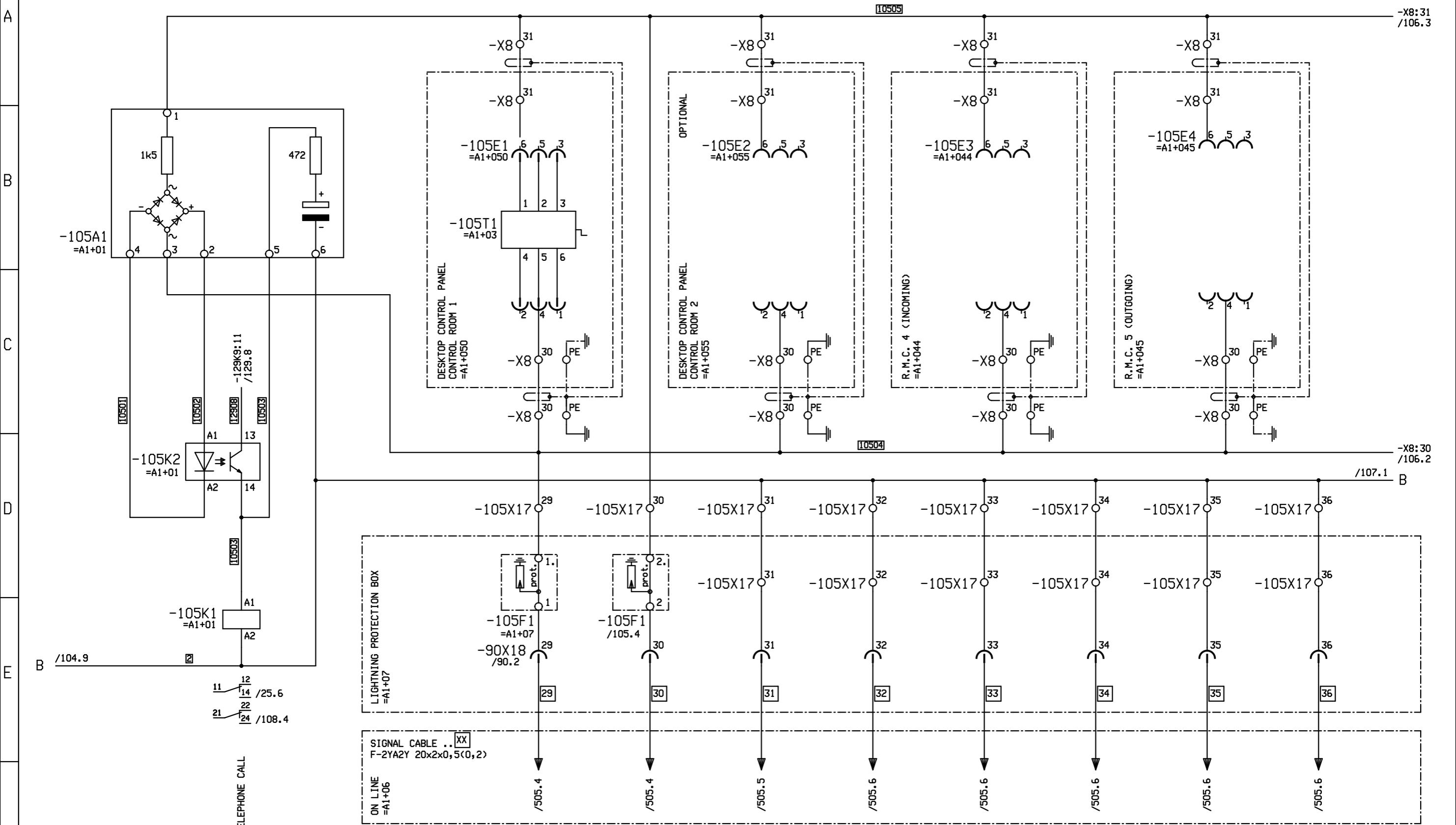
10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM

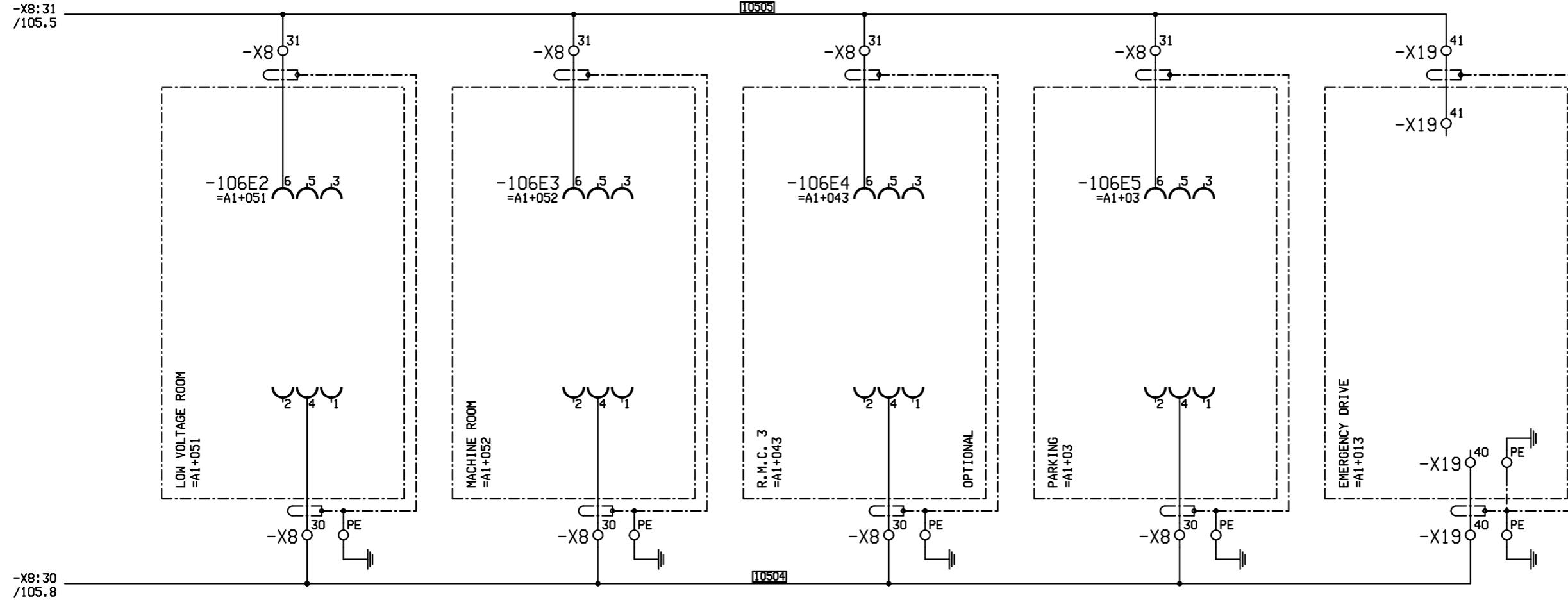
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® CONNECTIONS RETURN STATION
DRIVE STATION

LV-CONTROL

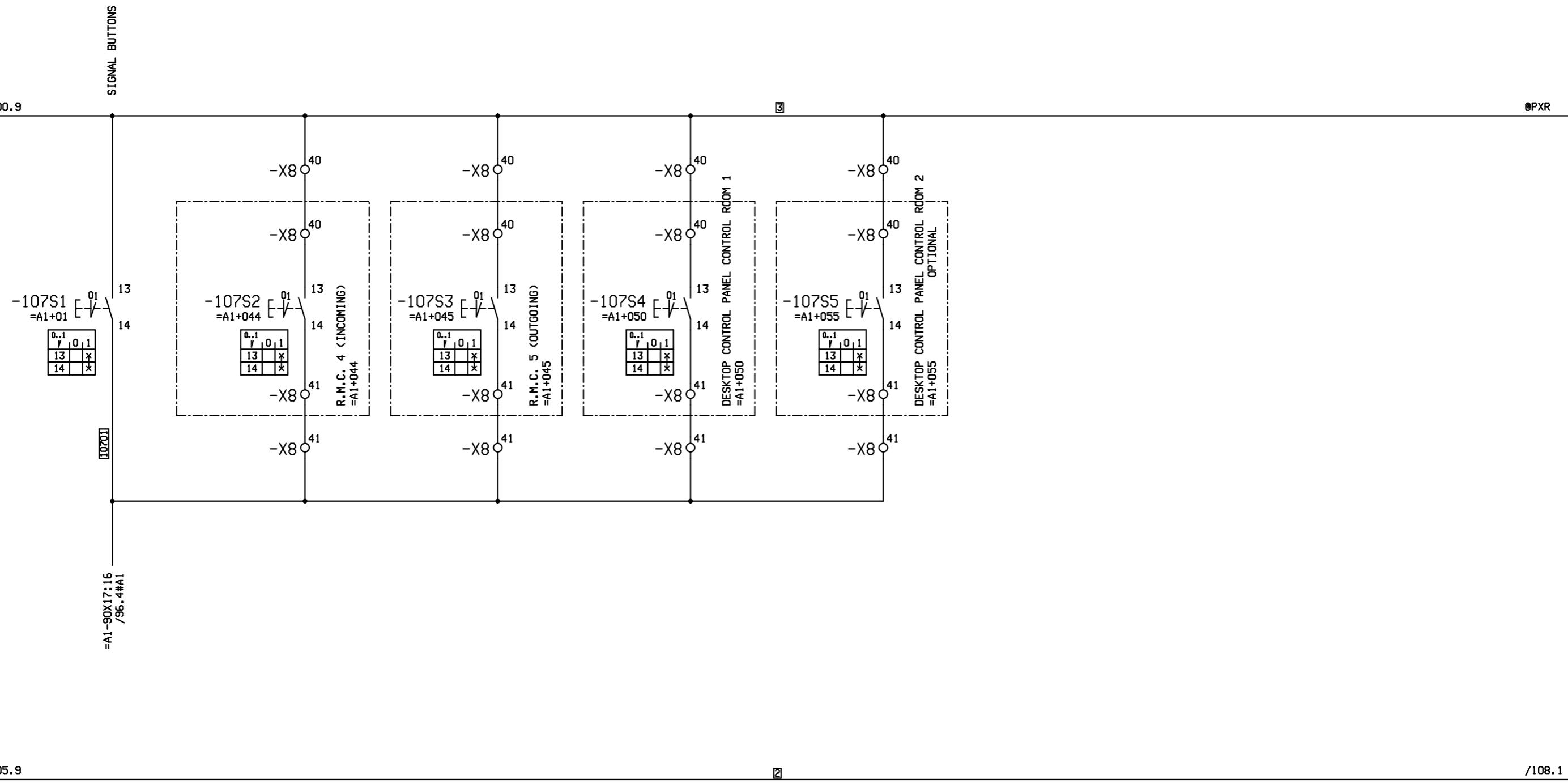
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Date	14.08.20	Dr.ch.by	Fhs			Date 27.10.11
File:	ANWAA2638					Sheet : 106 Cont.sheet: 107

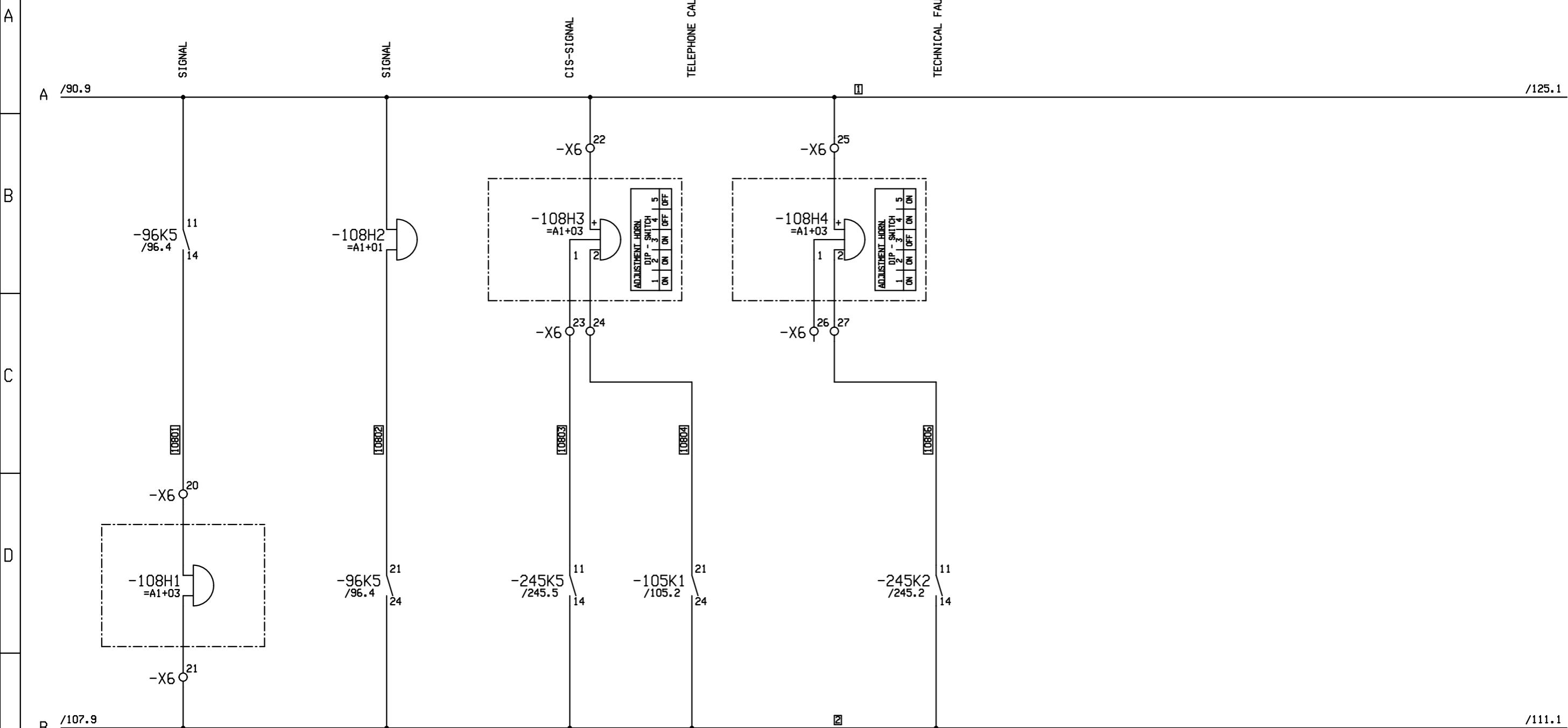
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Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	SIGNAL BUTTONS	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 27.10.11
File:	ANWAA2638						Sheet : 107 Cont.sheet: 108



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Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			B

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WAA0002638
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© SIGNAL

© SIGNAL

DRIVE STATION

LV-CONTROL

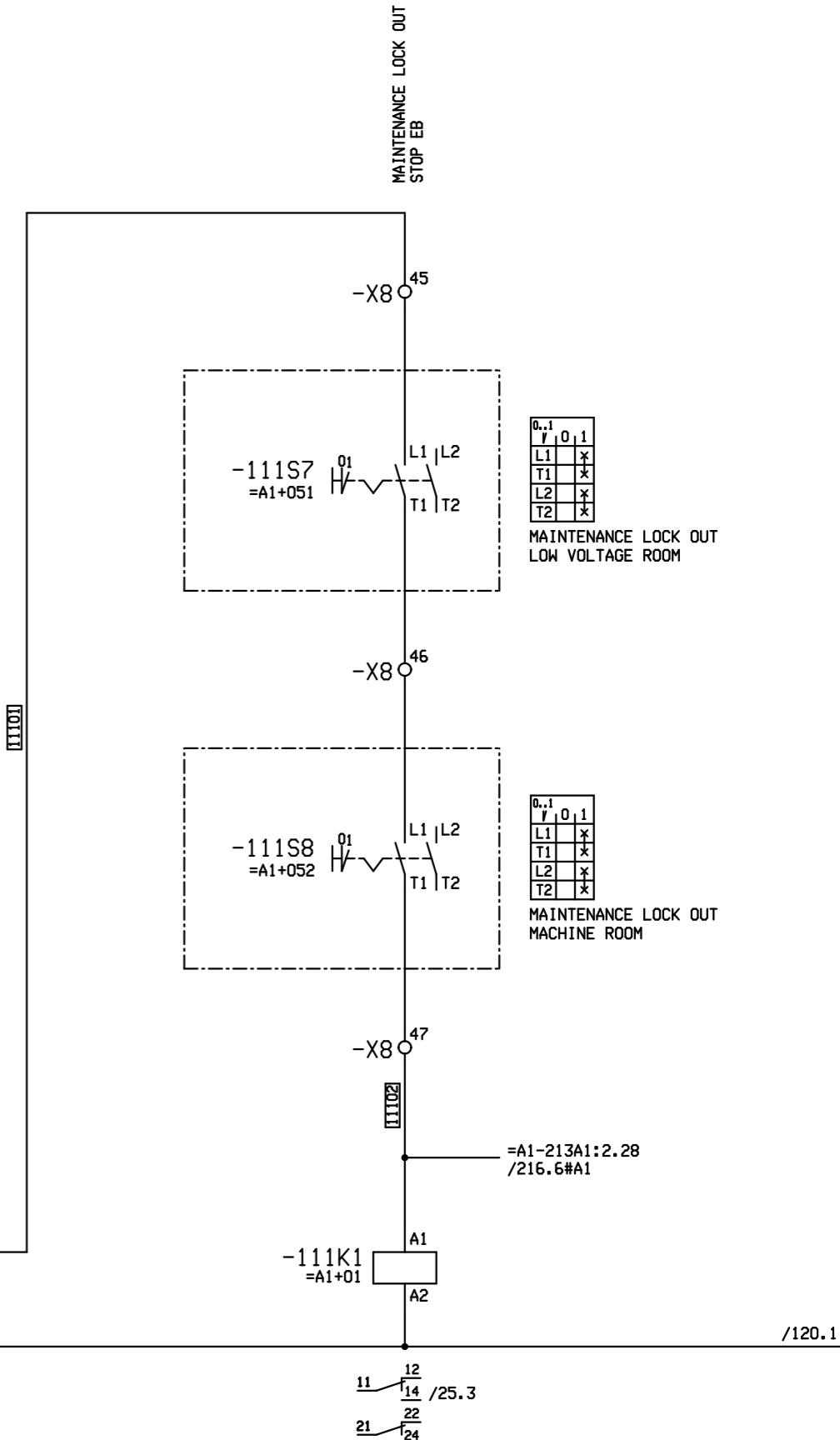
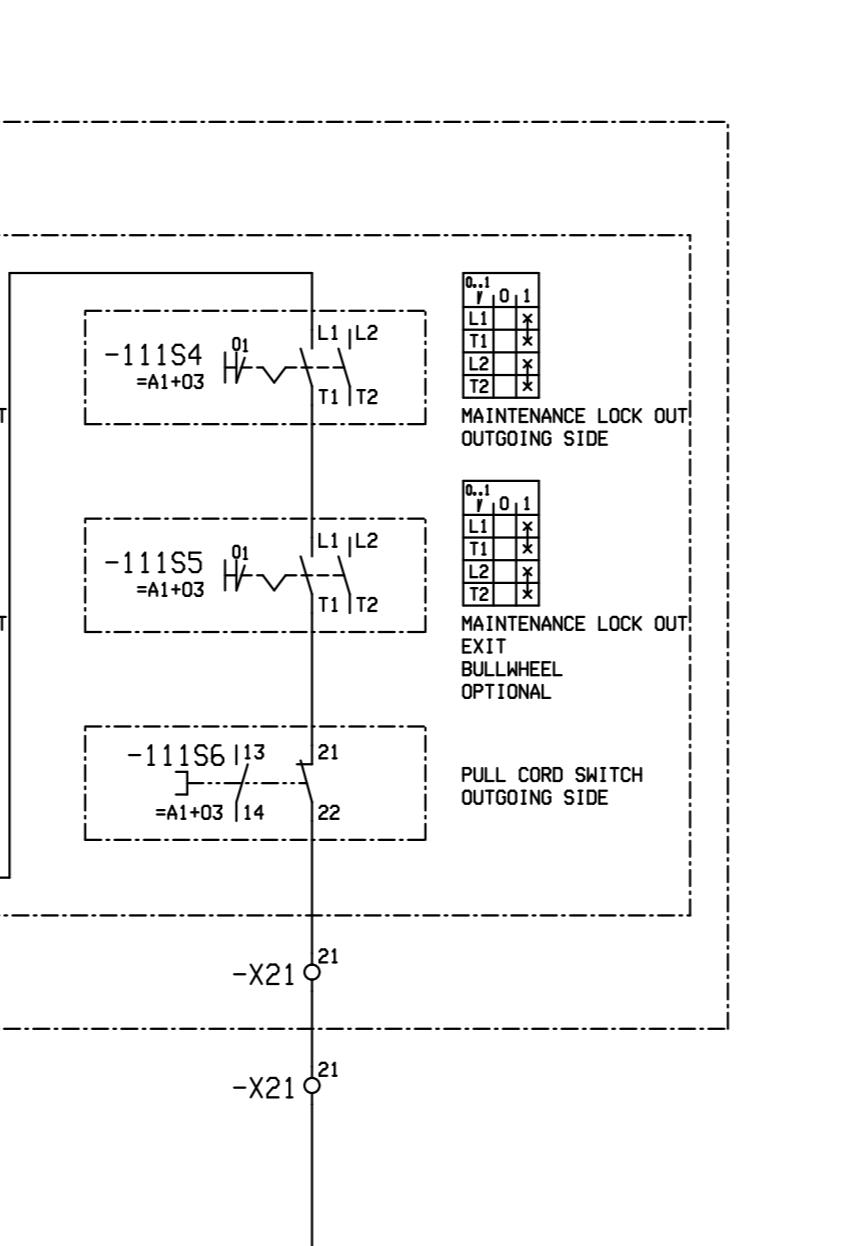
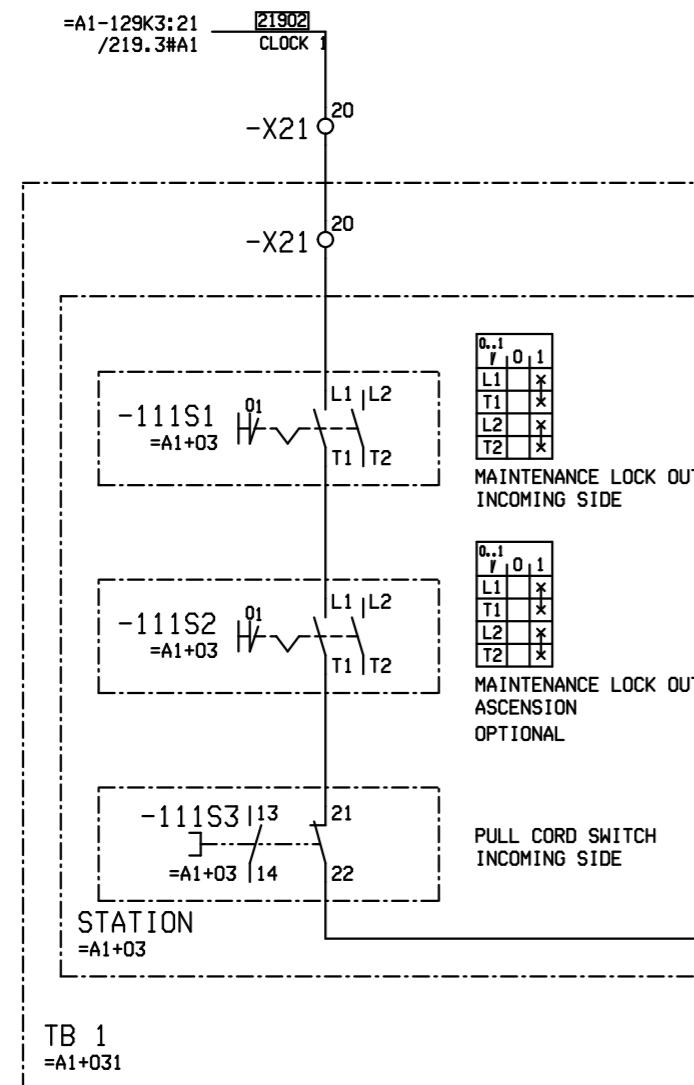
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/120.1

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Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

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MAINTENANCE LOCK OUT

DRIVE STATION

LV-CONTROL

=A1+01

Date 11.09.13

Sheet : 111

Cont.sheet: 120

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-245A1:A10.8
/246.1 CLOCK 1 ST

-120S1
=A1+01

[2401]

[1201]

[70]

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=A1+044

[71]

R.M.C. 5 (OUTGOING)
=A1+045

[72]

-X8 O
72
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72
-X8 O
73
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73

-120S4
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[X]

OPTIONAL

-120S5
=A1+055

DESKTOP CONTROL PANEL
=A1+055

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[21]

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=A1+041

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R.M.C. 2
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OPTIONAL

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=A1+03

STATION
=A1+03

-X8 O
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-120S10
=A1+03

STATION
=A1+03

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[0.1]

STOP BUTTONS

=A1+01

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=A1+01 21 X
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-X8 80 PE

-X8 80

-122S2 01 21 0..1
=A1+044 21 X
22 X

-X8 81 R.M.C. 4 (INCOMING)
=A1+044

-X8 81

-X8 81

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22 X

-X8 82 R.M.C. 5 (OUTGOING)
=A1+045

-X8 82

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-X8 82

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22 X

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-X8 84

-X8 84 PE

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=A1+042

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22 X

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A1

11 12
14 22 /25.3

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/123.1

Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>	<p>EMERG. STOP BUTTONS</p> <table border="1"> <tr><td>DRIVE STATION</td><td>LV-CONTROL</td></tr> </table>	DRIVE STATION	LV-CONTROL	=A1+01
DRIVE STATION	LV-CONTROL								
Date	14.08.20	Dr.ch.by	Fhs	Date 02.11.11					
File:	ANWAA2638			Sheet : 122 Cont.sheet: 123					

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-129K4:11 21903
 /219.3 CLOCK 2

-123S1
 =A1+01



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21

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X

22

X

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A /108.9

FAULT GRIP OPERATING LEVER REVERSE

GEOMETRICAL GRIP GAUGE FORWARD

GEOMETRICAL GRIP GAUGE REVERSE

FAULT GRIP OPERATING LEVER FORWARD

RESET

RPD SYSTEM OFF

/128.1

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B /123.9

/128.1

-125K1
=A1+01-125K2
=A1+01-125K3
=A1+01-125K4
=A1+01X21:51
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/215.9

21501

21502

21507

21508

11 12
21 22
14 24 /25.411 12
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14 24 /25.411 12
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14 24 /25.4

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Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

File: ANWAA2638

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

RELAY

DRIVE STATION

LV-CONTROL

=A1+01

Date 27.10.11

Sheet : 125

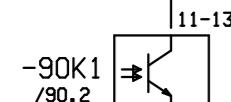
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STOP
RETURN STATIONEMERG. STOP
RETURN STATIONSTOP EB
RETURN STATION

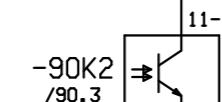
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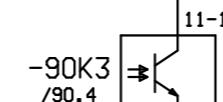
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11-13+

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11-13+

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-128K1
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A1

A2

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24-128A1
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A2

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24-128K2
=A1+01

A1

A2

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A1

A2

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A1

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=A1+01

A1

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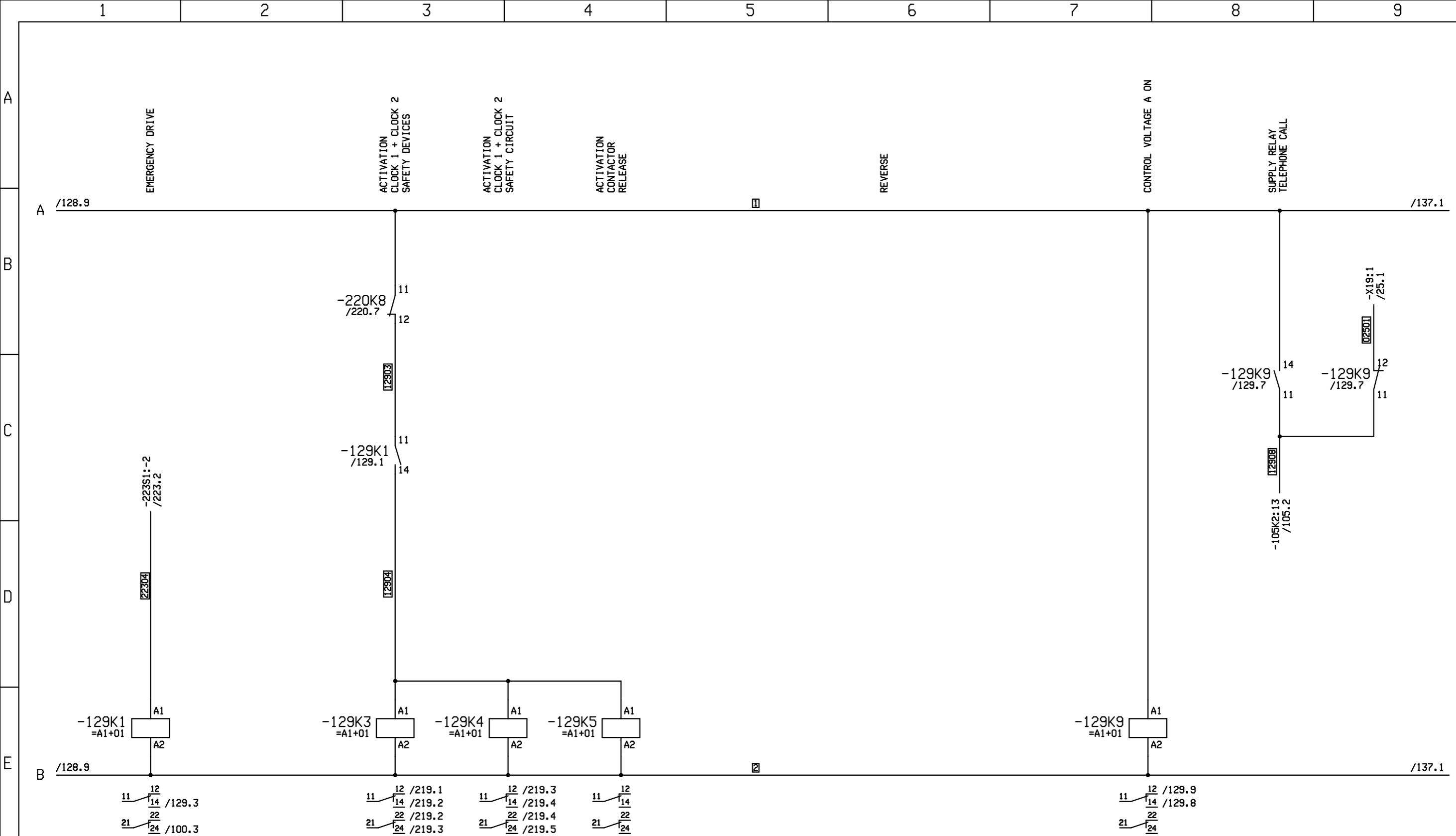
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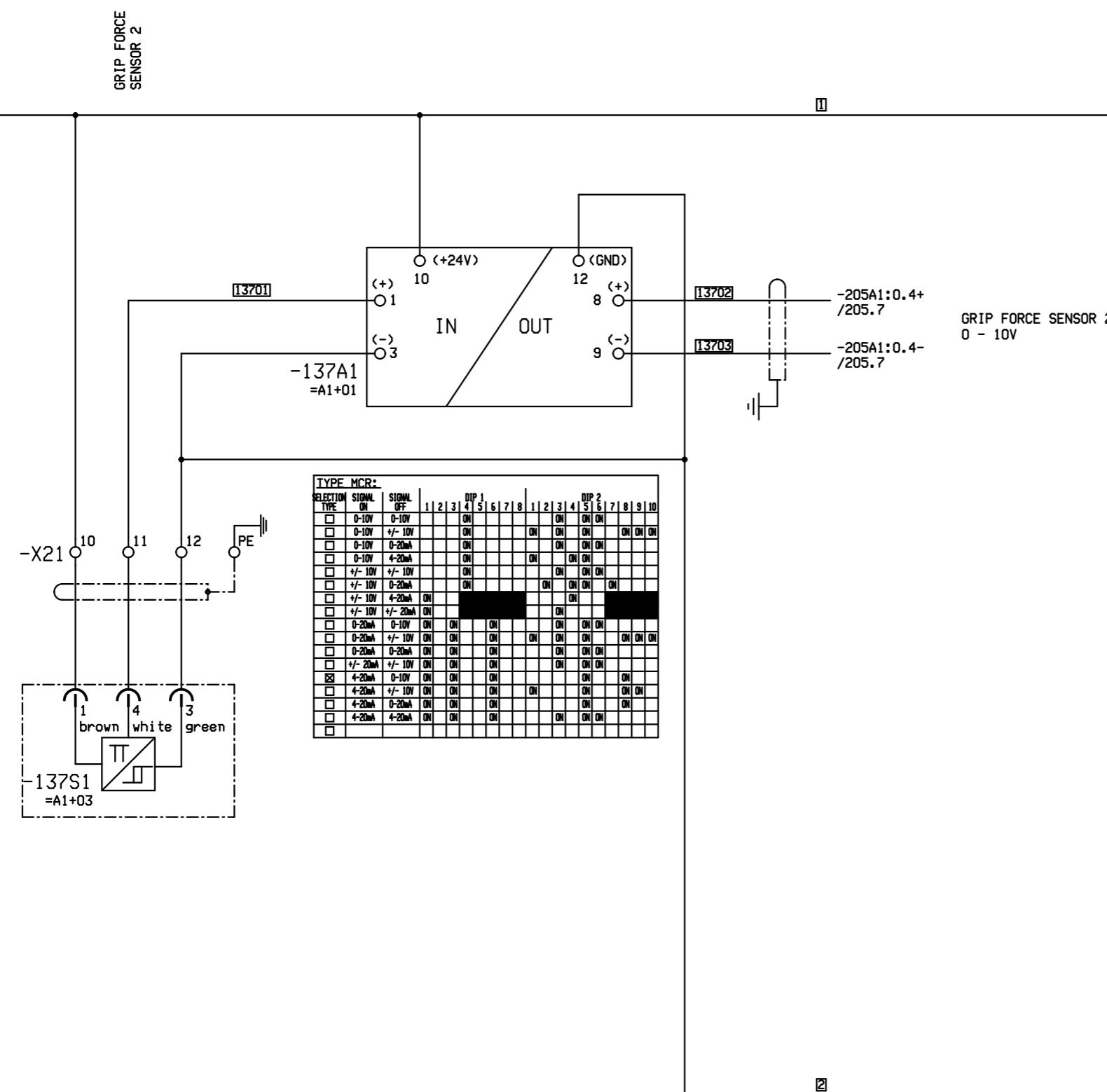
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Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	RELAY	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 08.07.11
File:	ANWAA2638						Sheet : 128 Cont.sheet: 129



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Date	14.08.20	Dr.ch.by	Fhs			Date	27.10.11	
File: ANWAA2638						Sheet :	129	Cont.sheet: 137

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A /137.9

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/160.1

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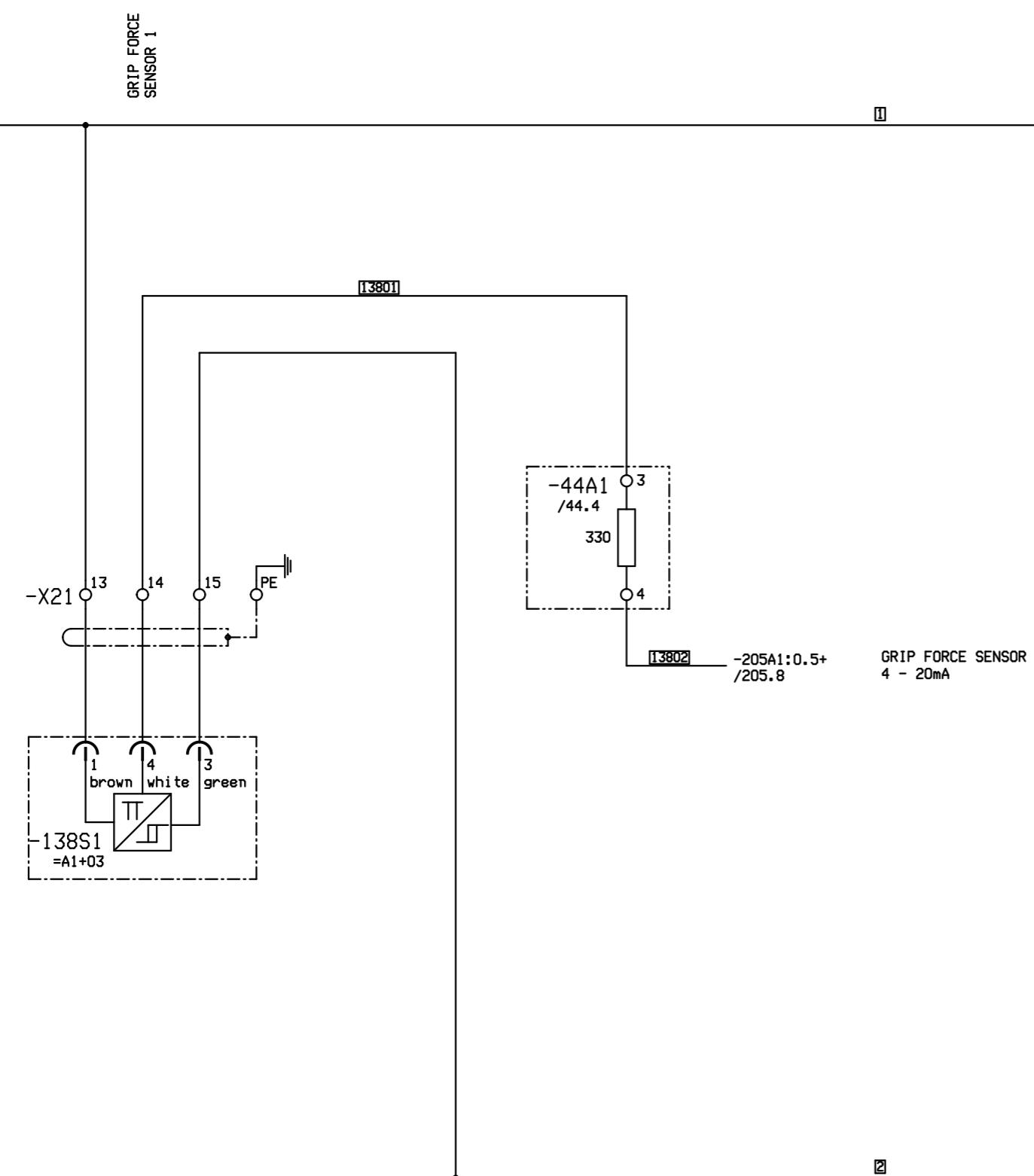
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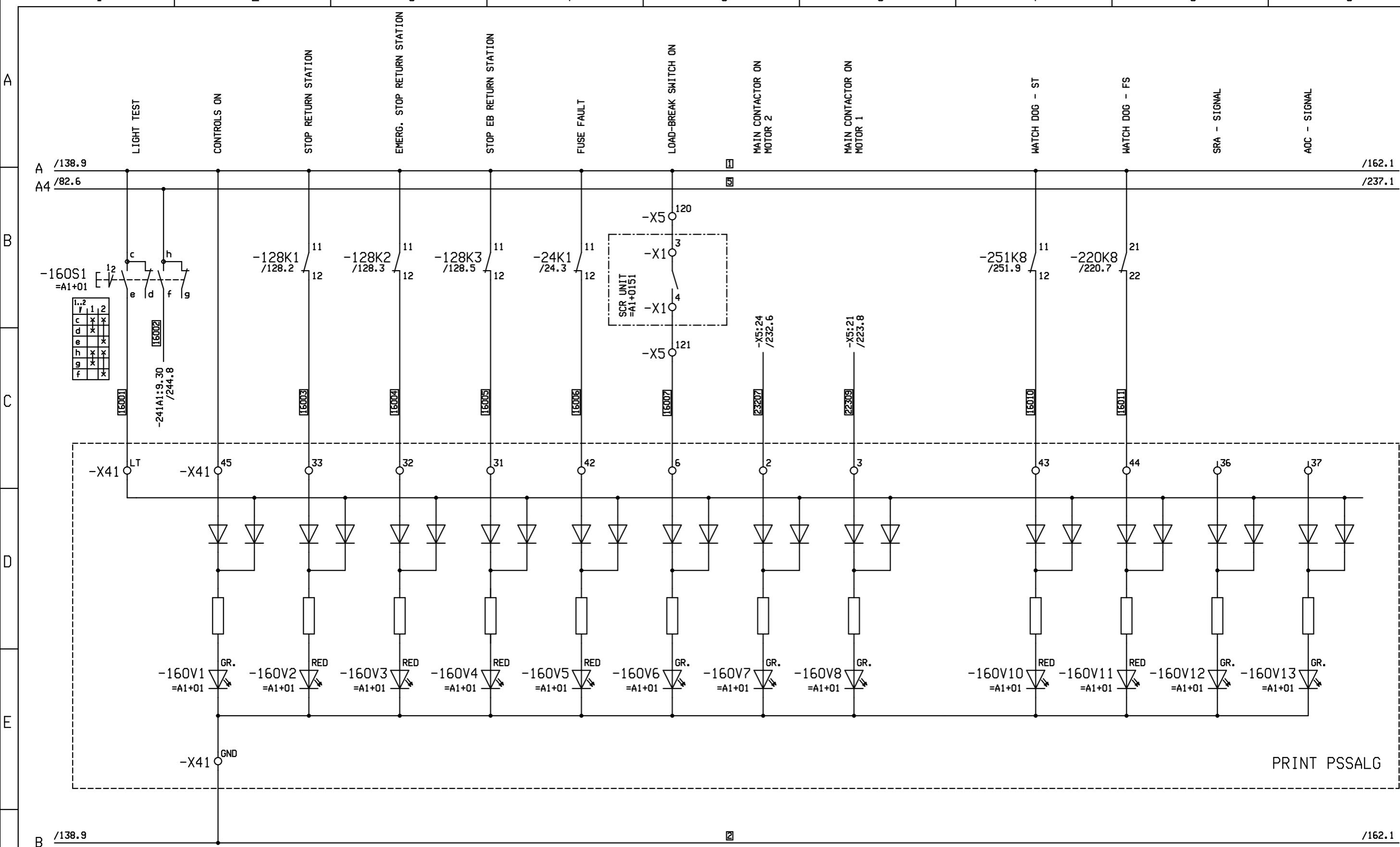
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Revision	2.1	Drawn by	LOJ	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr ® Innovia Patent GmbH A-6960 WOLFURT / AUSTRIA	GRIP FORCE SENSOR 1	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 21.04.11
File: ANWAA2638							Sheet : 138 Cont.sheet: 160

1 2 3 4 5 6 7 8 9



Revision	2.1	Drawn by	LOJ
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

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WAA0002638
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Innova Patent GmbH
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CONTROL LIGHTS

DRIVE STATION

LV-CONTROL

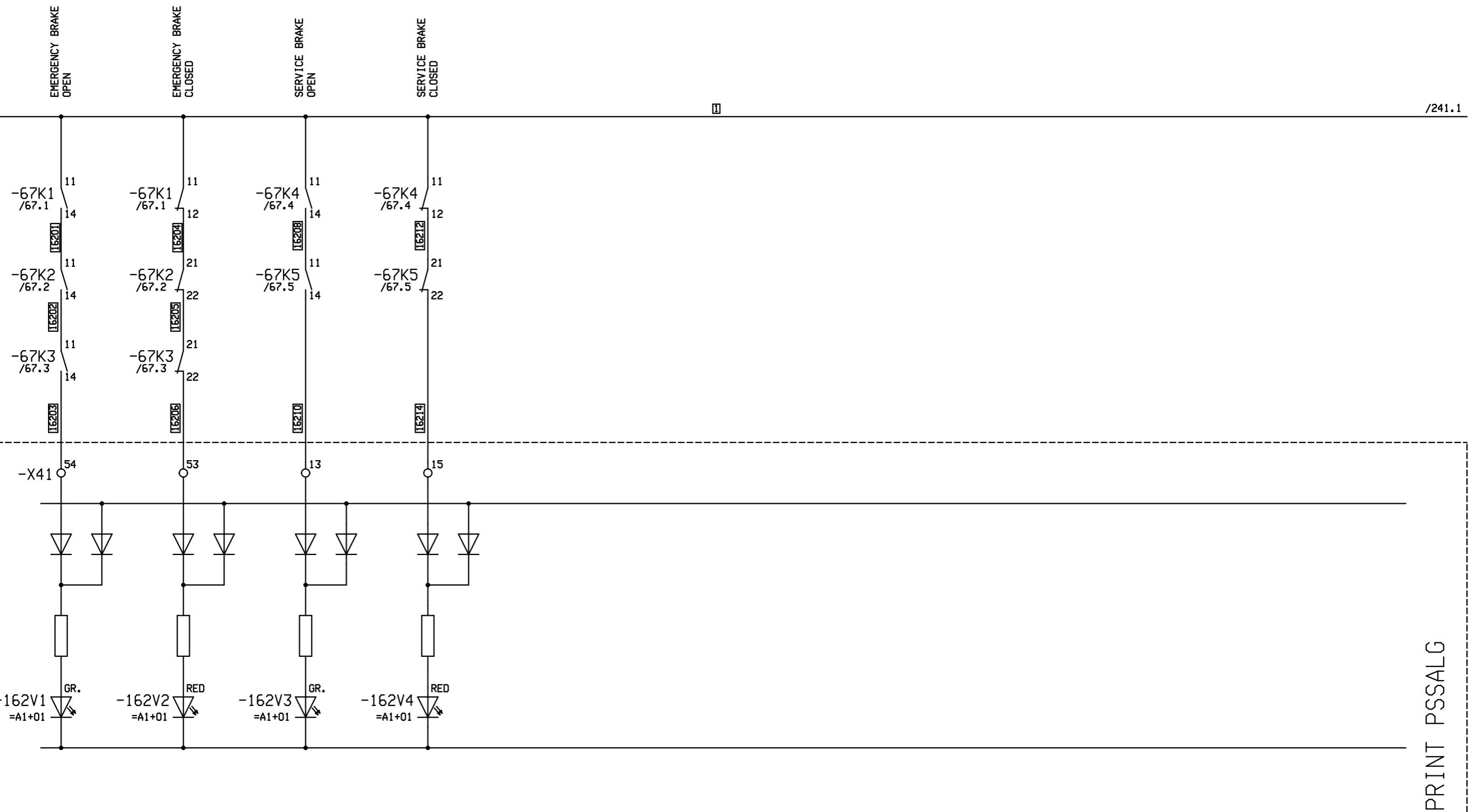
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Date 27.10.11

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Date	14.08.20	Dr.ch.by	Fhs			Date 27.10.11
File:	ANWAA2638					Sheet : 162 Cont.sheet: 168

CONTROL LIGHTS

DRIVE STATION

LV-CONTROL

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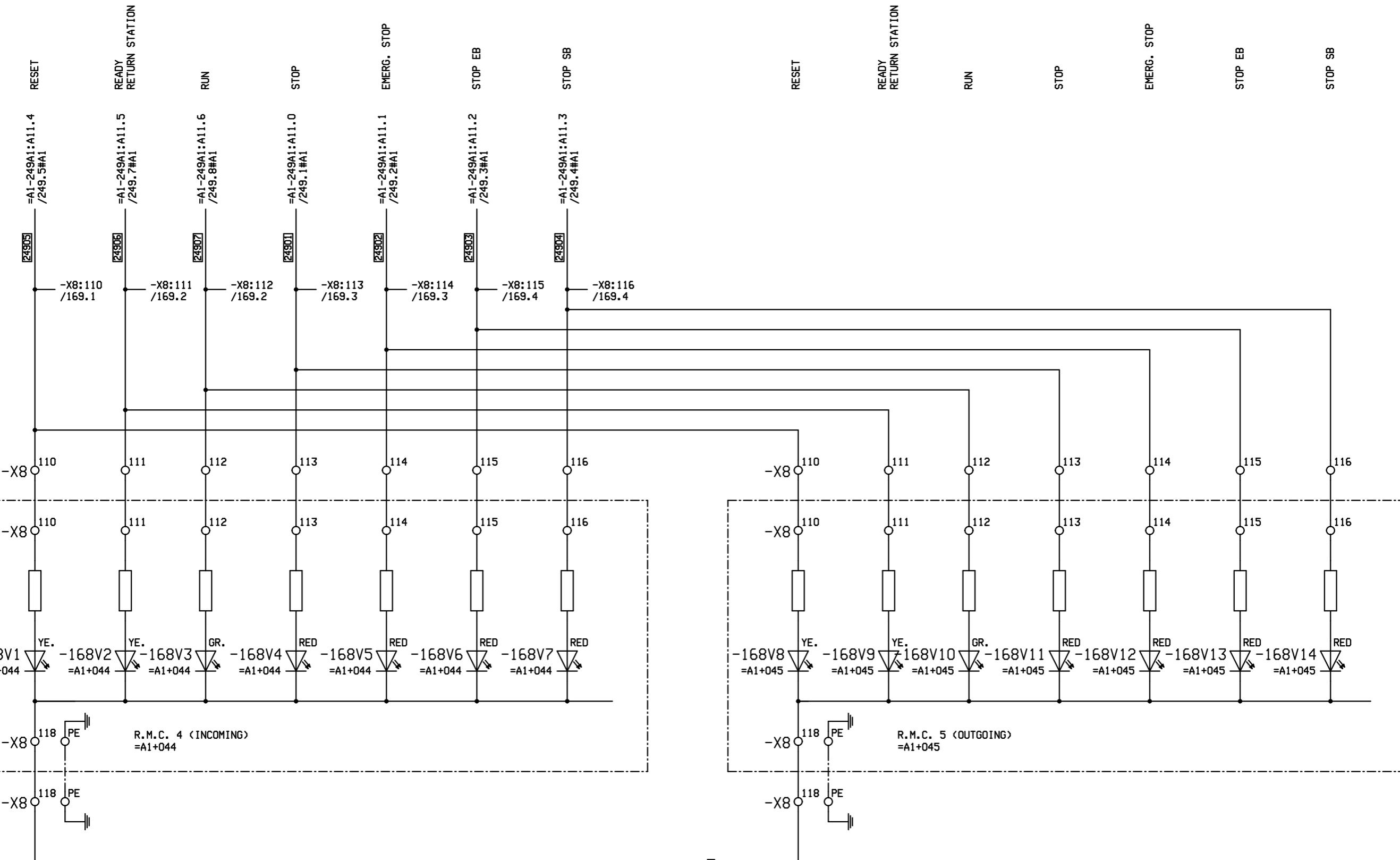
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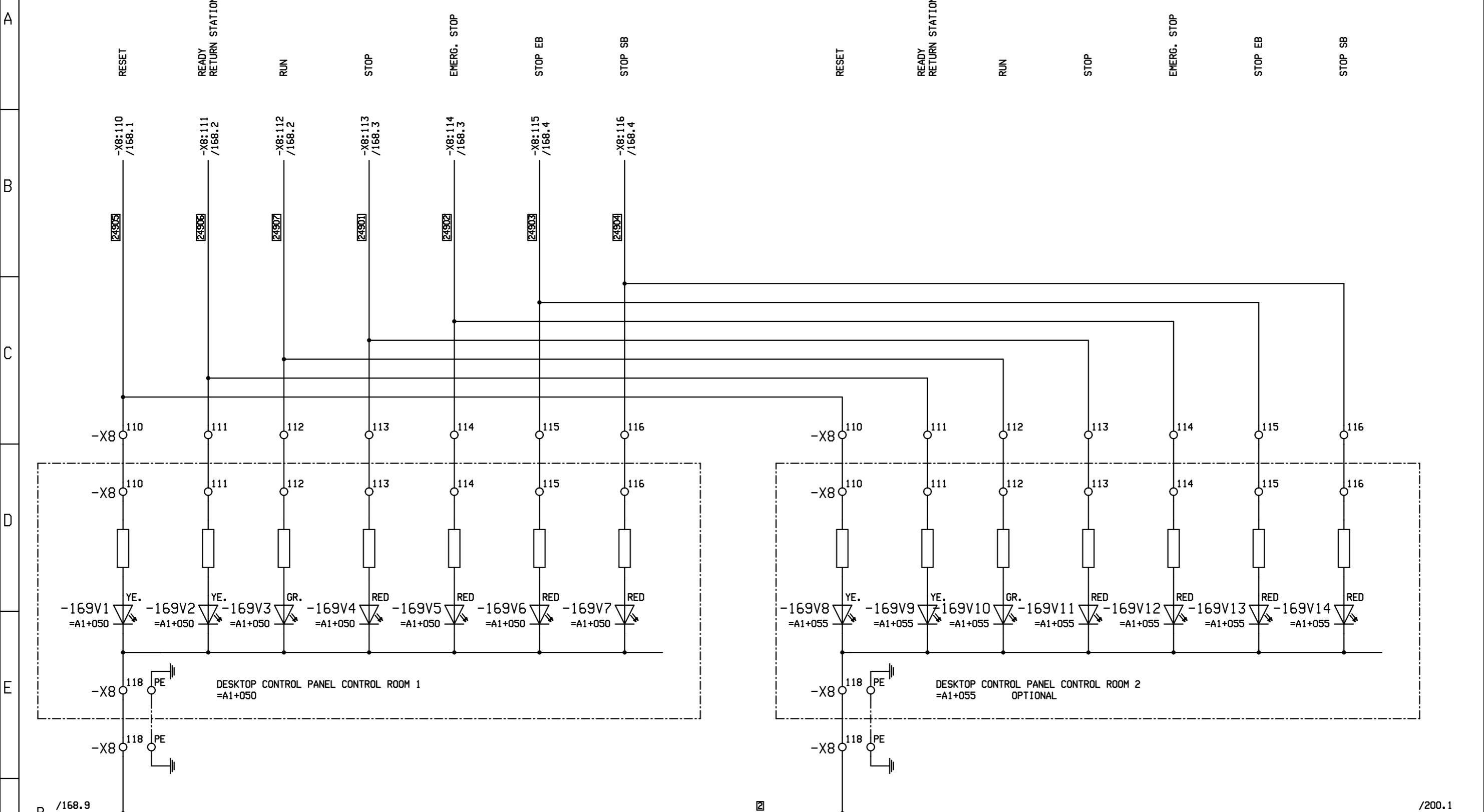
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Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>	=A1+01
Date	14.08.20	Dr.ch.by	Fhs			Date 21.04.11
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File: ANWAA2638			

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CONTROL LIGHTS

DRIVE STATION

LV-CONTROL

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Date 27.10.11

Sheet : 169

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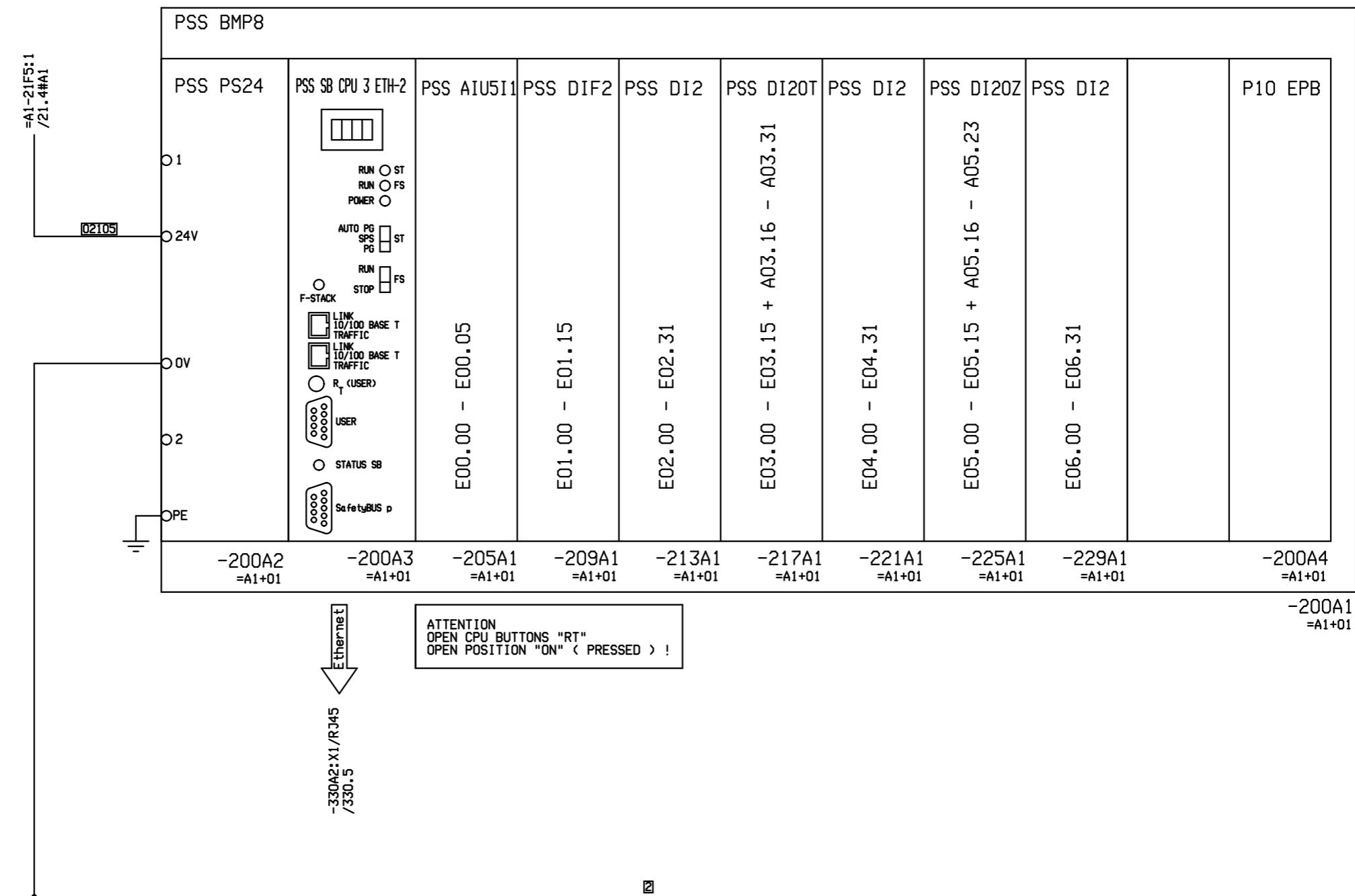
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Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

10-MGD BANA BIG ROPEWAY

WAA0002638

BANA / VIETNAM

File: ANWAA2638

Innova Patent GmbH
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POWER SUPPLY PC-SYSTEM

DRIVE STATION

LV-CONTROL

=A1+01

Date 27.10.11

Sheet : 200

Cont.sheet: 201

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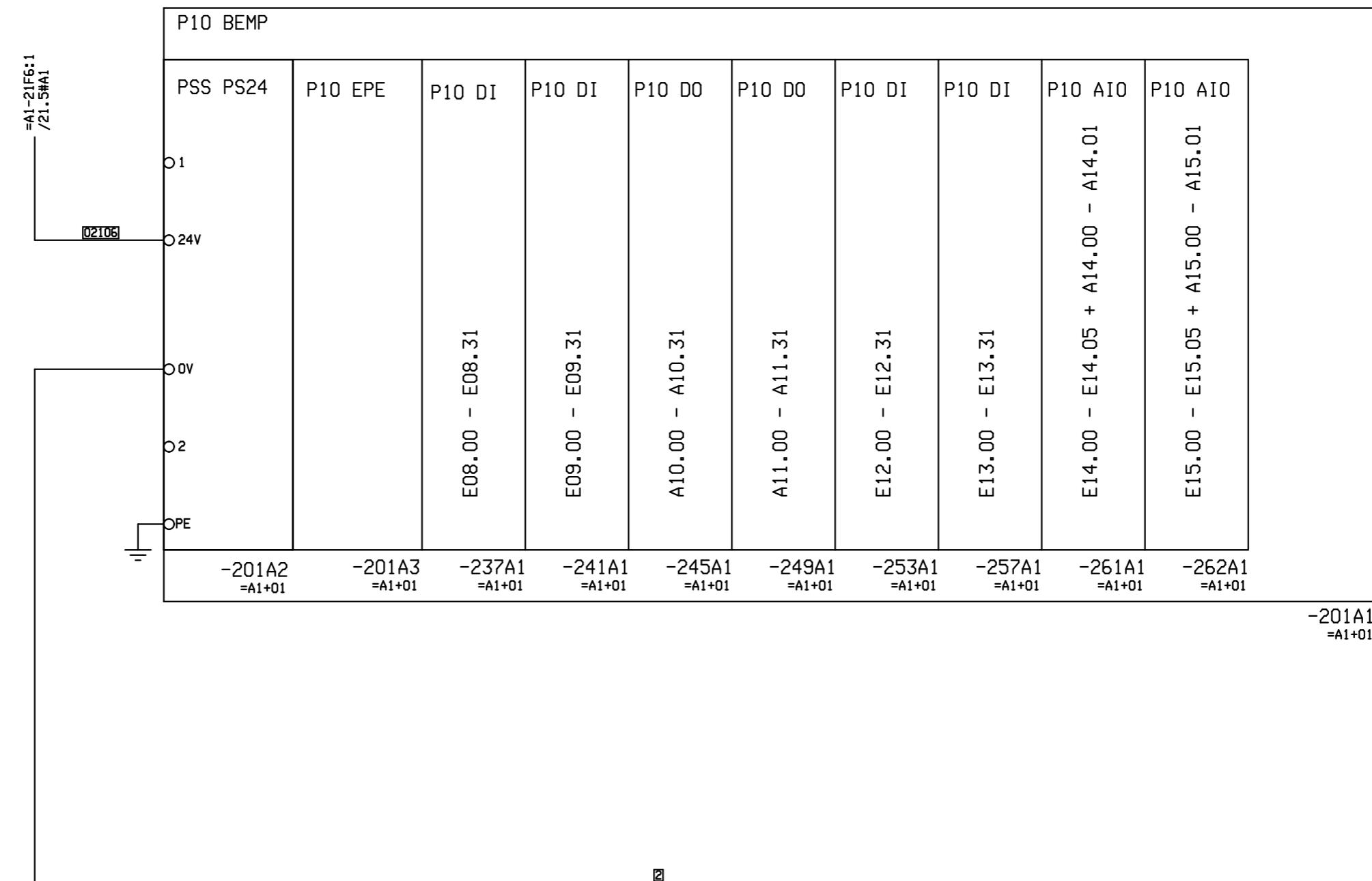
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Revision	2.1	Drawn by	LOJ	10- WA BA
Date	14.08.20	Dr.ch.by	Fhs	
File: ANWAA2638				

10-MGD BANA BIG ROPEWA
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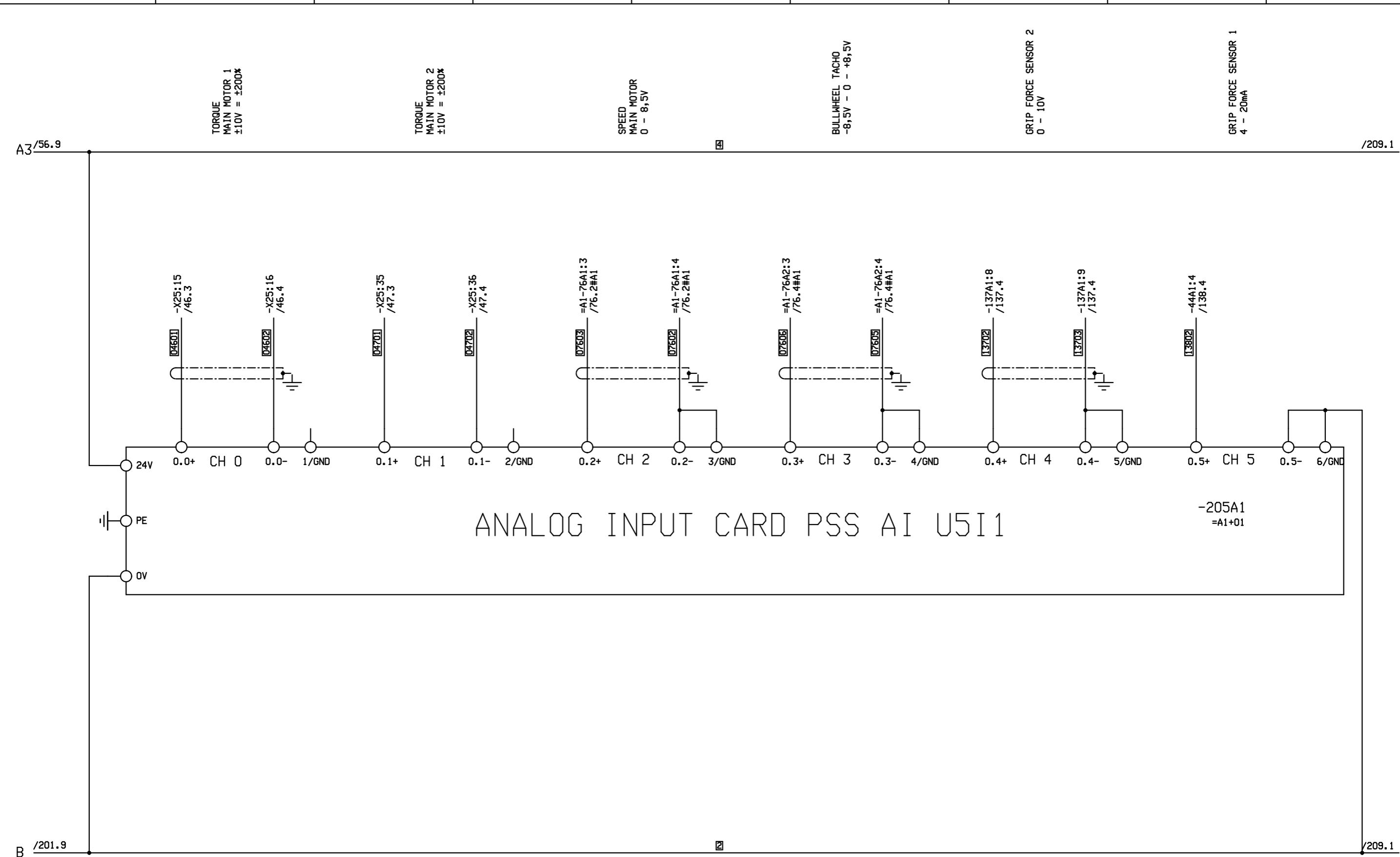
POWER SUPPLY PC-SYSTEM

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Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

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WAA0002638
BANA / VIETNAM



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ANALOG INPUT (FS)

DRIVE STATION

LV-CONTROL

=A1+01

Date 25.10.11

Sheet : 205

Cont.sheet: 209

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IMPULSE PROX. SWITCH 1.1

A3 /205.9

A3

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-X22

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A3

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209S1

=A1+03

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IMPULSE PROX. SWITCH 1.2

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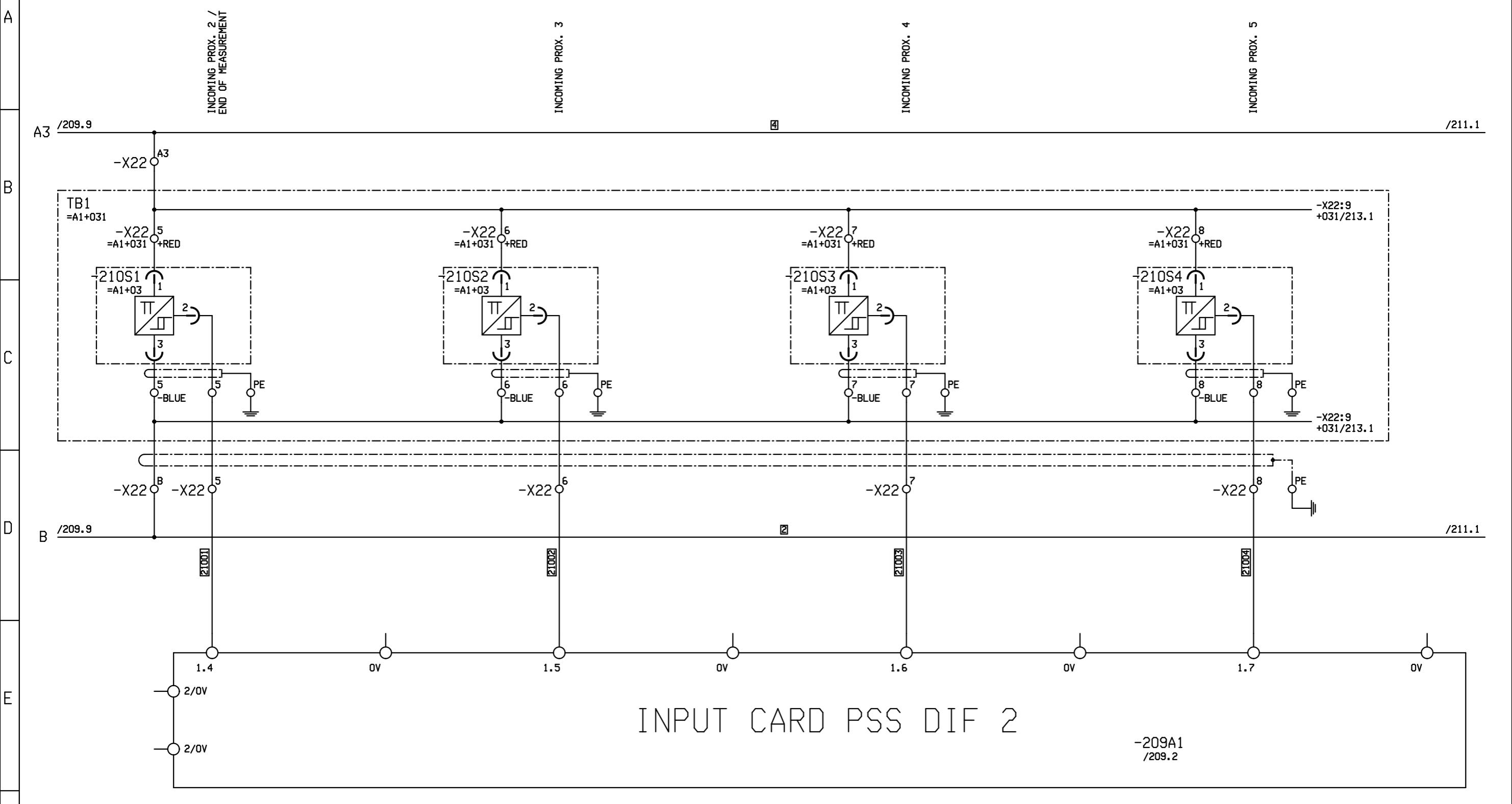
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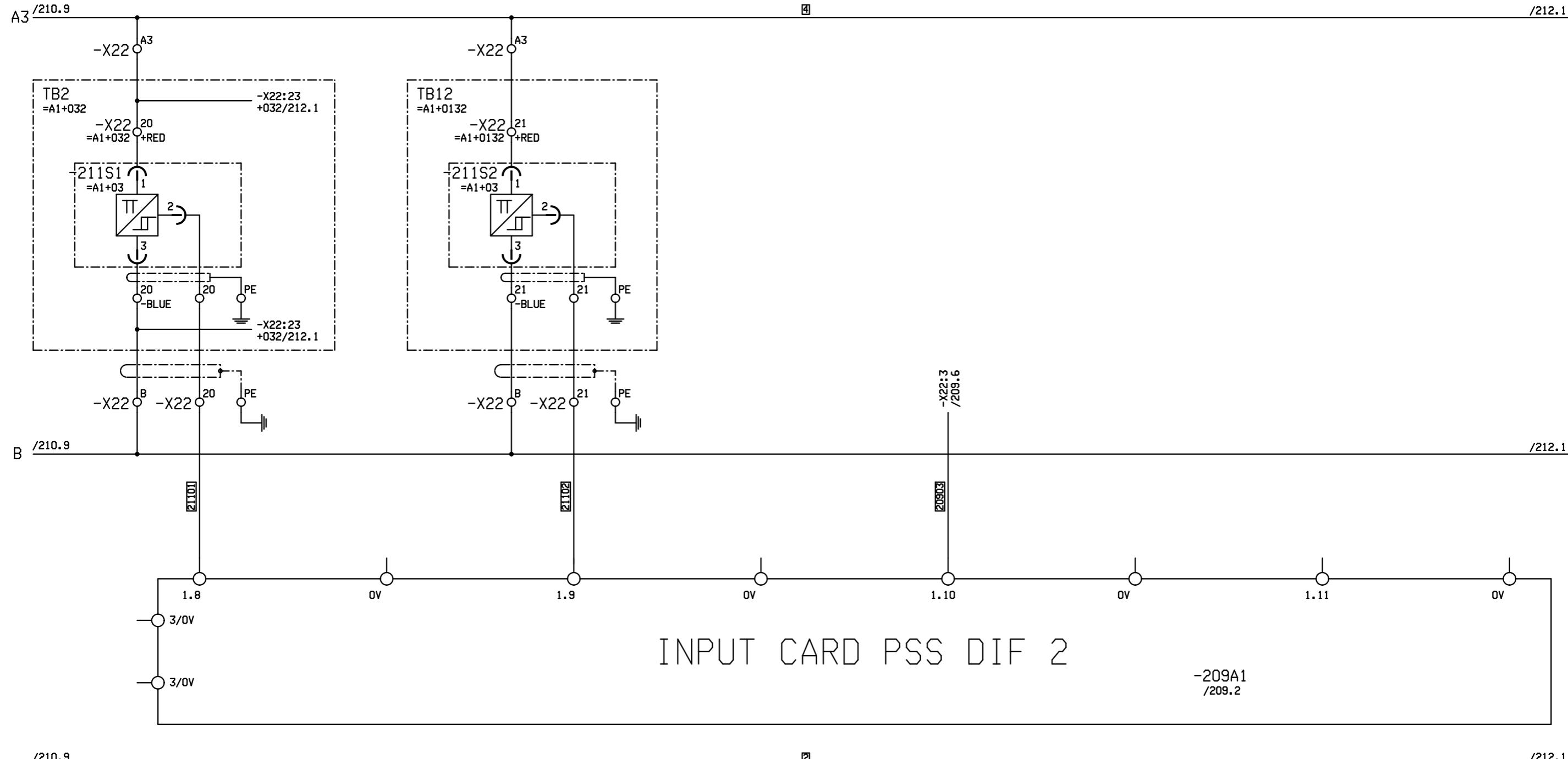
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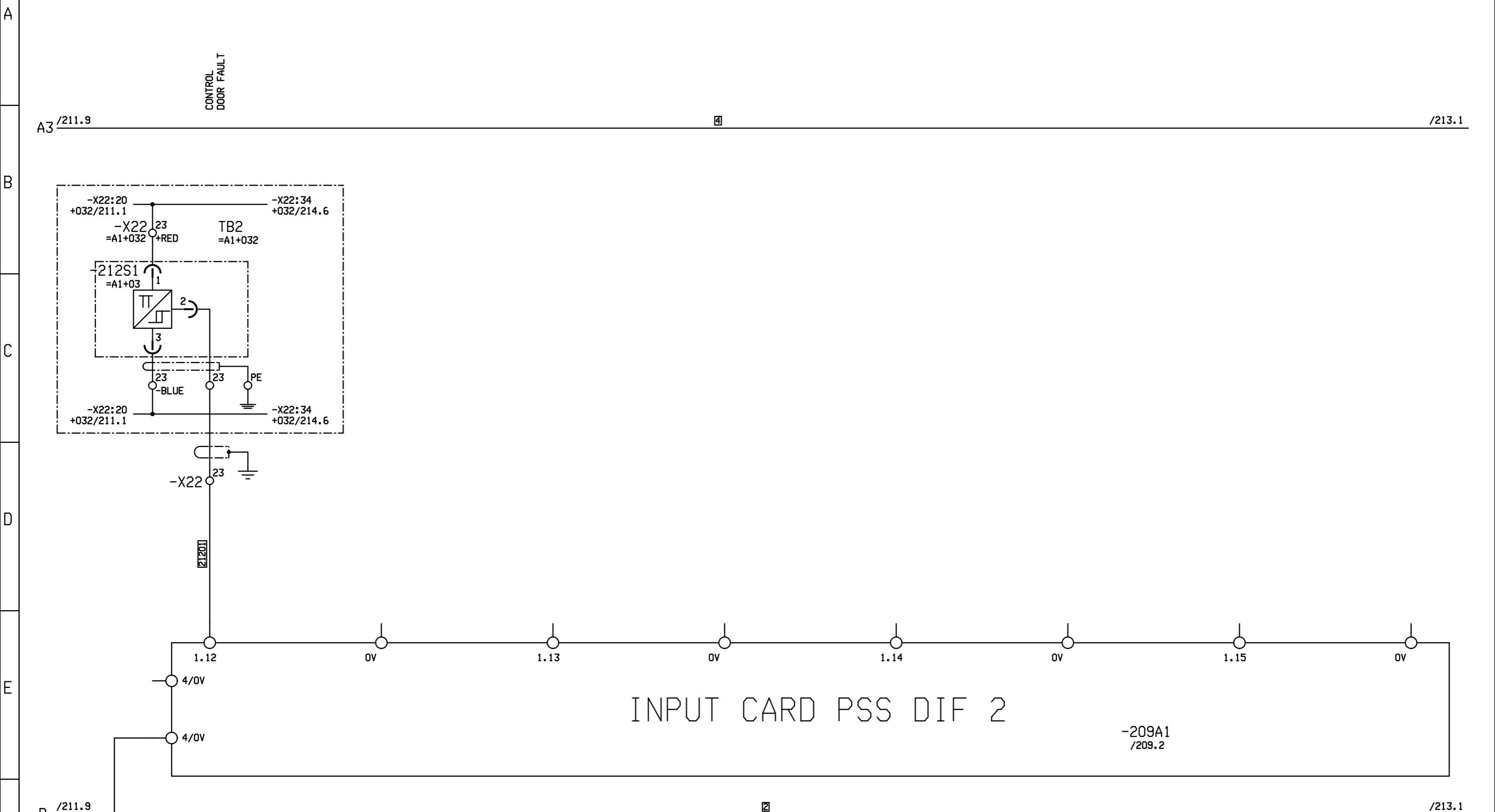
A

CARRIER STARTED

PROX. CARRIER OUTSIDE STATION
DISTANCE COUNTER OUTGOINGGRIP FORCE
START OF MEASUREMENT

INPUT CARD PSS DIF 2

-209A1
/209.2



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			=A1+01

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM



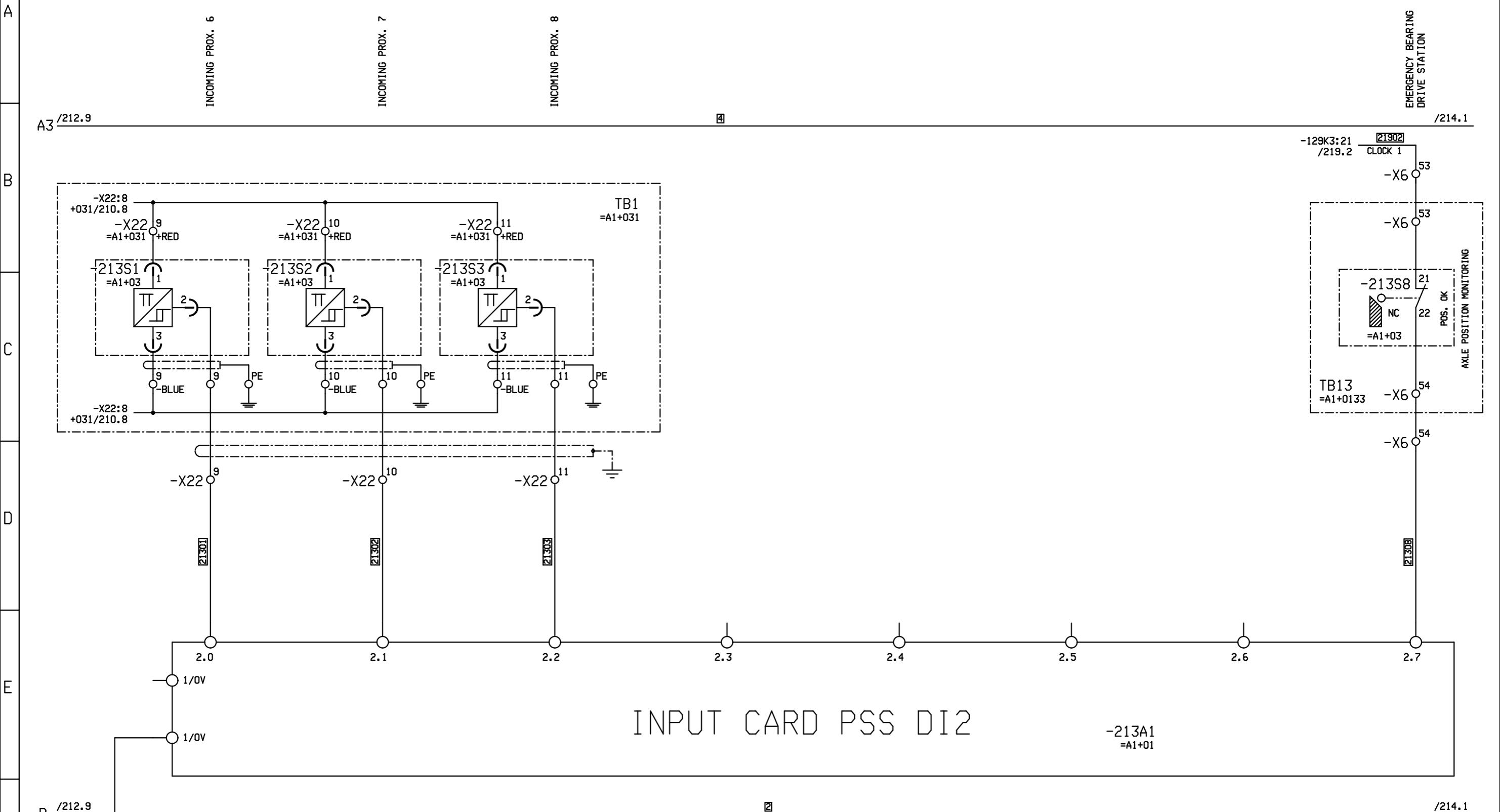
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

INPUT PLC (FS)

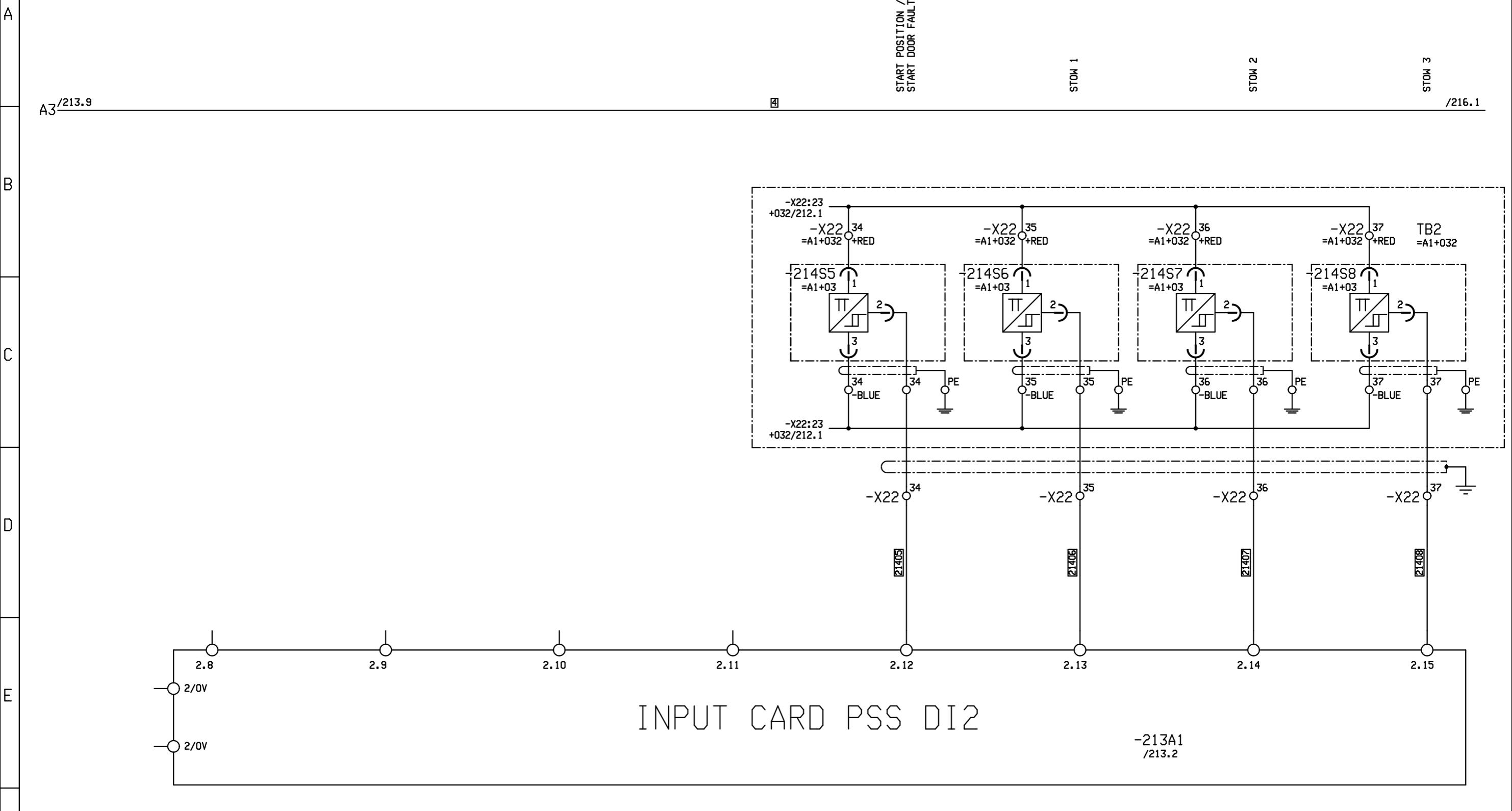
DRIVE STATION

LV-CONTROL

Date	10.08.11
Sheet	212
Cont.sheet	213



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM			
File: ANWAA2638			



1

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9

A

FAULT GRIP OPERATING
LEVER REVERSEGEOMETRICAL GRIP GAUGE
REVERSEROPE POSITION
STATION INCOMINGGRIP FAULT
BEFORE LAUNCHGRIP FAULT
BEFORE LAUNCHROPE POSITION
STATION OUTGOINGGEOMETRICAL GRIP GAUGE
FORWARDFAULT GRIP OPERATING
LEVER FORWARD

-129K3:11 /219.1
CLOCK 0
-129K3:21 /219.2
CLOCK 1
-129K4:11 /219.3
CLOCK 2

-X21 O 50

-X21 O 52

-X21 O 55

-X21 O 58

-X21 O 62

-X21 O 66

-X21 O 69

-X21 O 72

-X21 O 72

-215S1 21
=A1+03
NC

-215S2 21
=A1+03
NC

-215S4 21
=A1+03
NC

-215S6 21
=A1+03
NC

-215S9 21
=A1+03
NC

-215S12 21
=A1+03
NC

-215S14 21
=A1+03
NC

-215S16 21
=A1+03
NC

GEOMETRICAL GRIP GAUGE UP
-215S3 21
=A1+03
NC

-215S5 21
=A1+03
NC

-215S7 21
=A1+03
NC

-215S10 21
=A1+03
NC

-215S13 21
=A1+03
NC

-215S15 21
=A1+03
NC

-215S17 21
=A1+03
NC

TB11 -X21 O 51

-X21 O 54

-X21 O 57

-X21 O 60

-X21 O 64

-X21 O 68

-X21 O 71

-X21 O 74

-X21 O 51

-X21 O 54

-X21 O 57

-X21 O 61

-X21 O 65

-X21 O 68

-X21 O 71

-X21 O 74

[21501] -125K1:A1
/125.1[21502] -125K2:A1
/125.2

[21503]

[21504]

[21505]

[21506]

[21507]

[21508] -125K3:A1
/125.3[21509] -125K4:A1
/125.4

2.16

2.17

2.18

2.19

2.20

2.21

2.22

2.23

3/0V

3/0V

3/0V

3/0V

3/0V

3/0V

3/0V

3/0V

INPUT CARD PSS DI2

-213A1
/213.2

B /214.9

2

/216.1

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM

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Innova Patent GmbH
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INPUT PLC (FS)

DRIVE STATION

LV-CONTROL

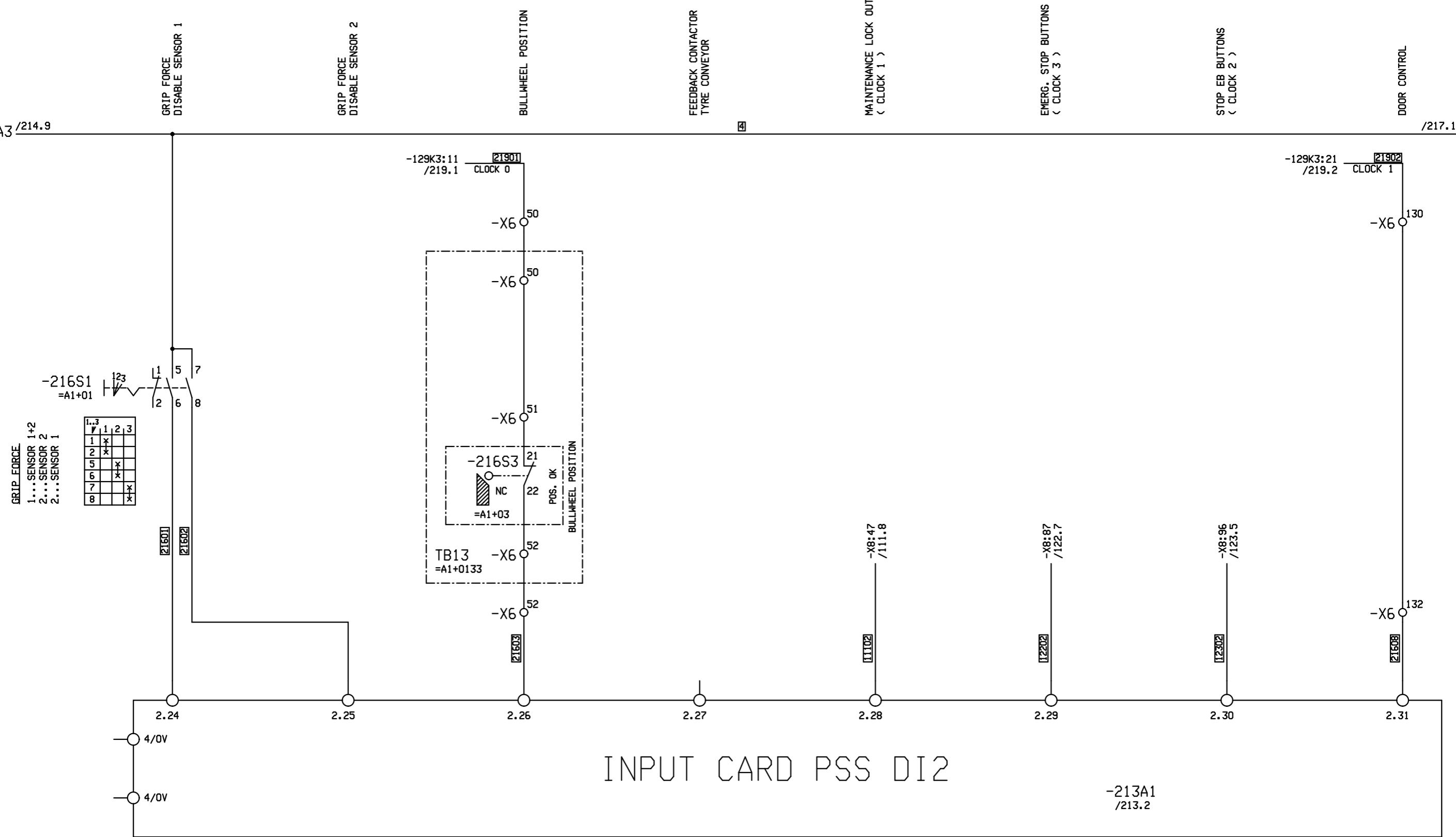
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Date 11.07.11

Sheet 215

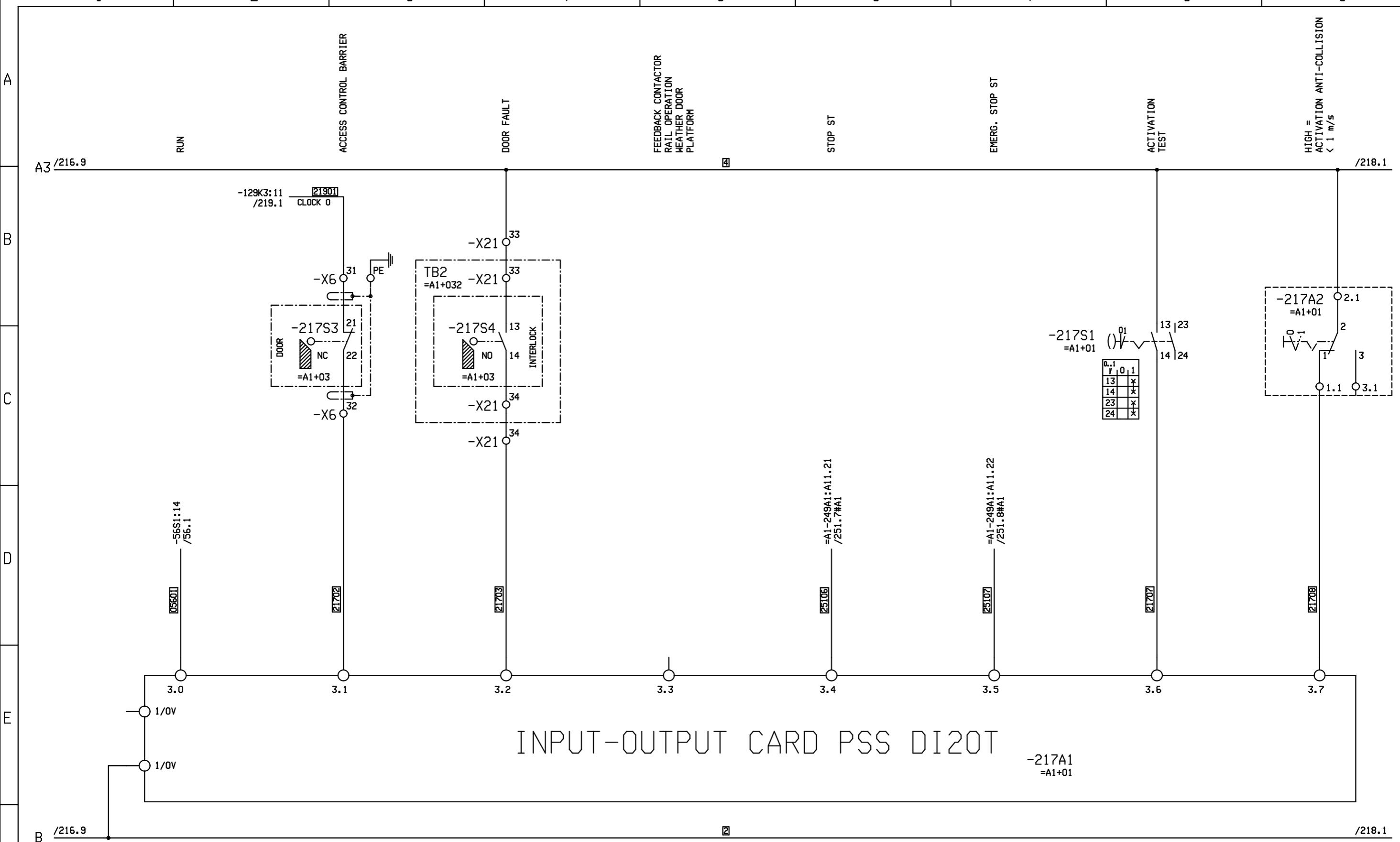
Cont.sheet 215

1 2 3 4 5 6 7 8 9



INPUT CARD PSS DI2

Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr [®] Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (FS)		=A1+01
Date	14.08.20	Dr.ch.by	Fhs			Date	27.10.11	
File:	ANWAA2638		DRIVE STATION	LV-CONTROL		Sheet :	216	



1 2 3 4 5 6 7 8 9

A

RESET INTERNAL

RESET ANTICOLLISION

ACTIVATION ANTICOLLISION

STATIONS MANNED
DRIVE STATIONDRIVE STATION
UNMANNEDOVERIDE
EMERGENCY
BEARING
DRIVE STATIONDRIVE DIRECTION
FORWARDDRIVE DIRECTION
REVERSE

/219.1

A3/217.9

-218S1
=A1+01

0..1	0..1
13	x
14	x

-218S2
=A1+01

0..1	0..1
13	x
14	x
23	x
24	x

-218S3
=A1+01

1..5	1	2	3	4	5
1	x				
2	x				
5		x			
6		x			
9		x			
10		x			
3			x		
4			x		
7			x		
8			x		
19		x			
20		x			
15		x			
16		x			
11		x			
12		x			
17			x		
18			x		
13			x		
14			x		

- 1...STATIONS MANNED
2...0
3...DRIVE STATION UNMANNED
4...0
5...RETURN STATION UNMANNED

4

-218S4
=A1+01

0..1	0..1
1	x
L1	x
T1	x

-218S5
=A1+01

0..2	1	0	2
1	x		
2	x		
3		x	
4		x	
5	x		
6	x		
7		x	
8		x	
9	x		
10	x		
11	x		
12	x		

05001

-50S1:_14

/50.1

21802

21803

21804

21805

21807

21808

21809

2/0V

2/0V

3.8

3.9

3.10

3.11

3.12

3.13

3.14

3.15

INPUT-OUTPUT CARD PSS DI20T

-217A1
/217.1

B

/217.9

/219.1

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM

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INPUT PLC (FS)

DRIVE STATION

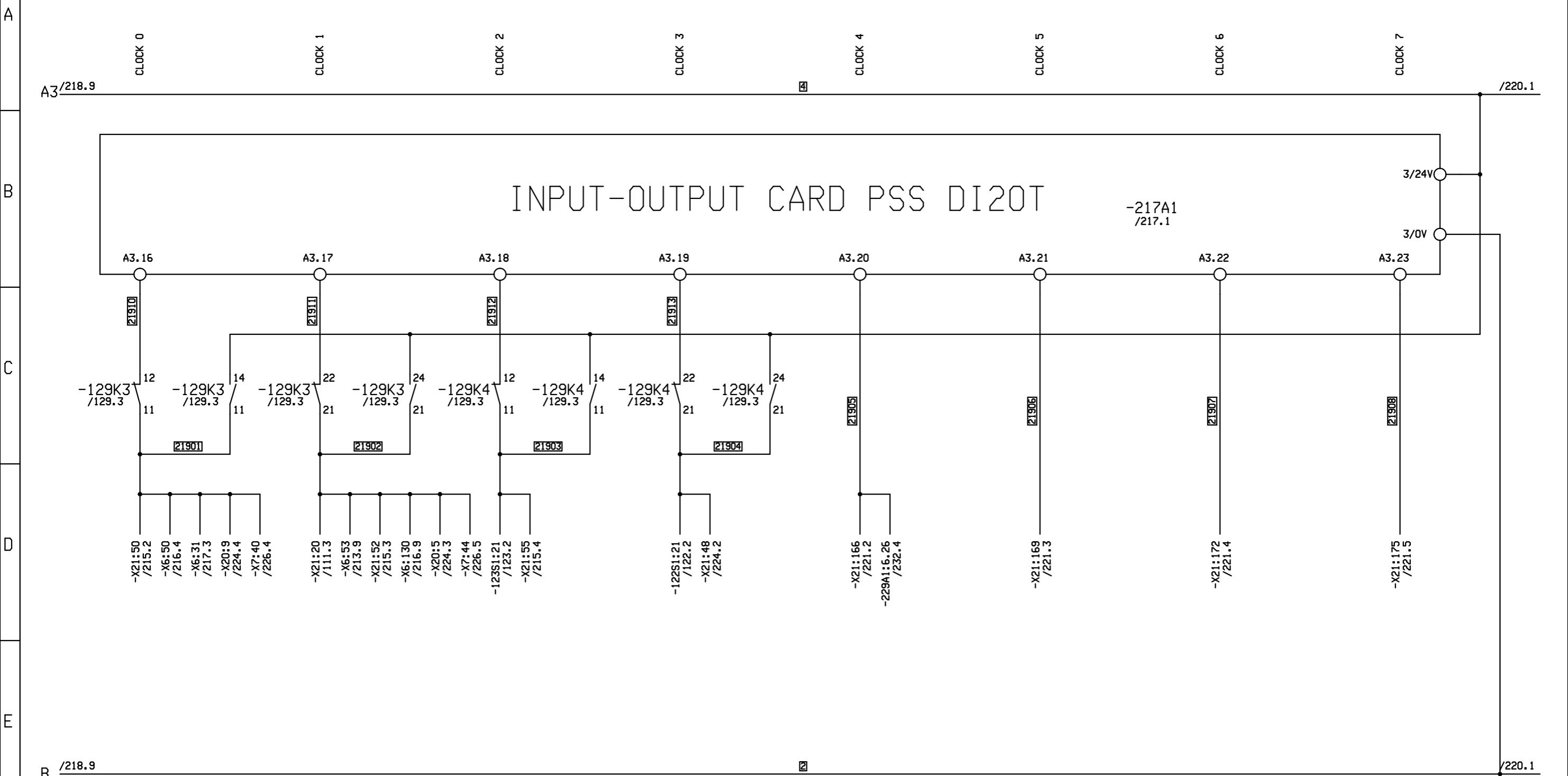
LV-CONTROL

=A1+01

Date 27.10.11

Sheet : 218

Cont.sheet: 219



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM



Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA



OUTPUT PLC (FS)

DRIVE STATION

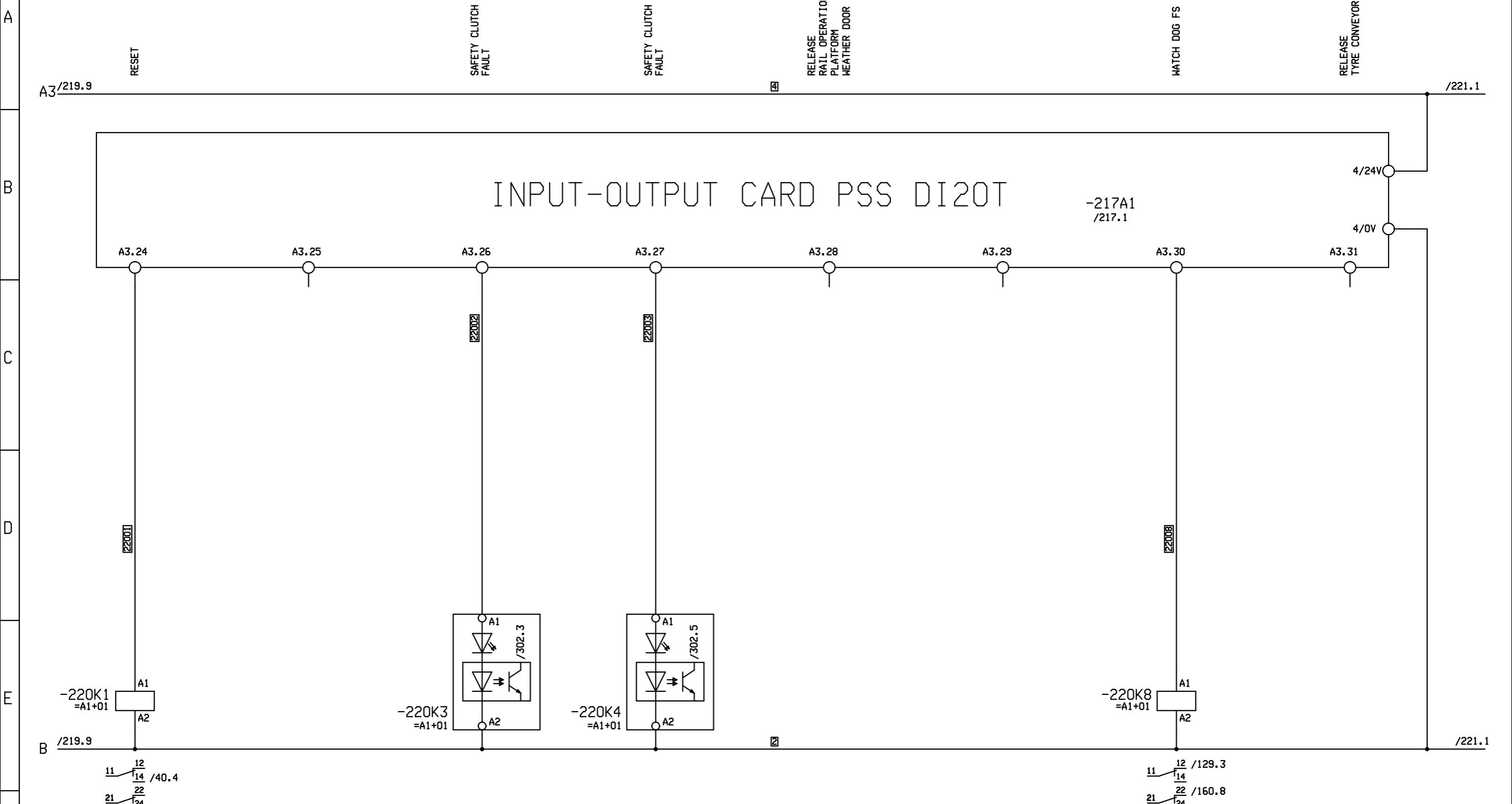
LV-CONTROL

=A1+01

Date 27.10.11

Sheet : 219

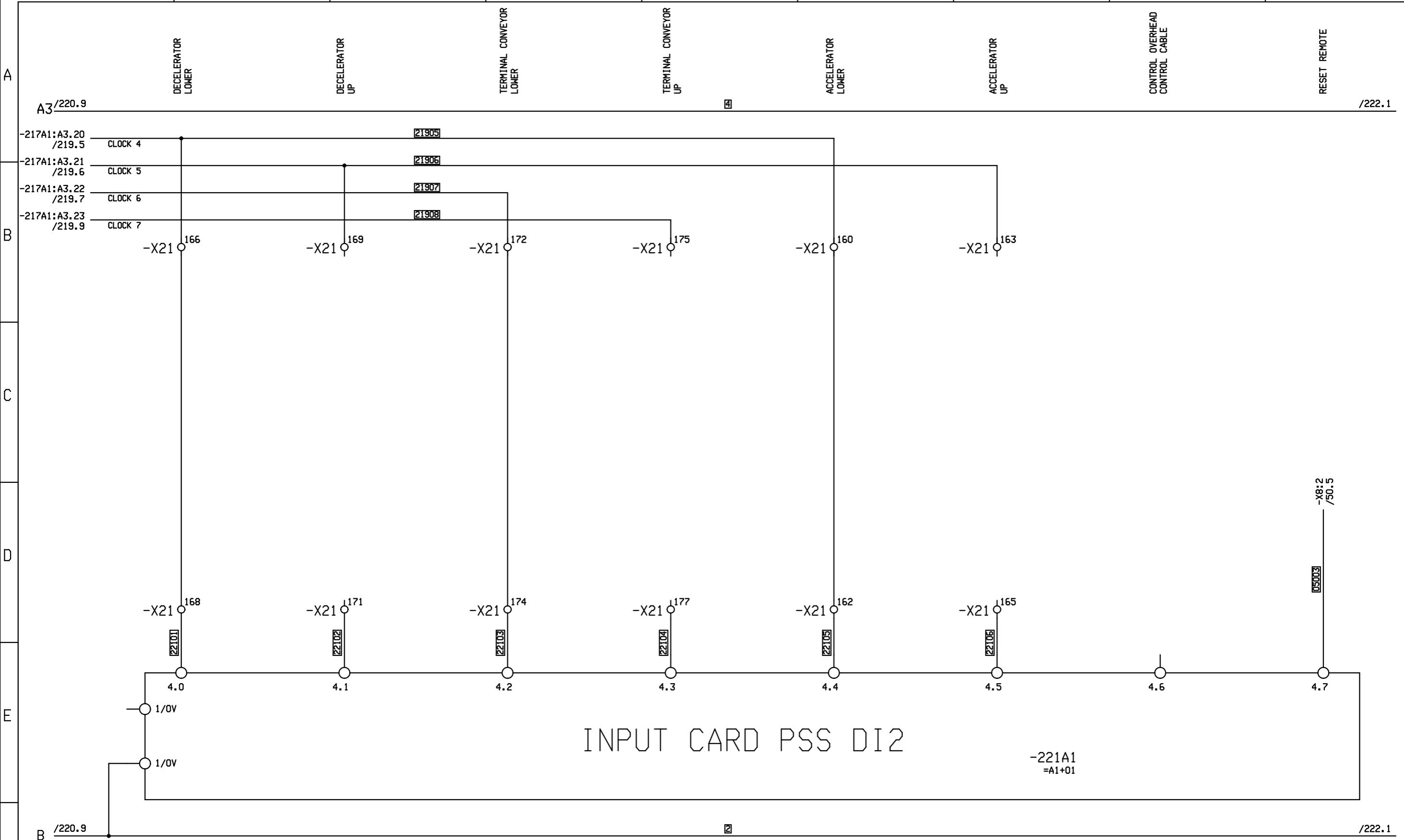
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Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM

1 2 3 4 5 6 7 8 9



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM



INPUT PLC (FS)

DRIVE STATION

LV-CONTROL

=A1+01
Date 21.04.11
Sheet : 221
Cont.sheet: 222

A

STOP EB
RETURN STATIONLIMITED OPERATION
MAIN DRIVESAFETY CIRCUIT O.K.
RETURN STATION

A3/221.9

/223.1

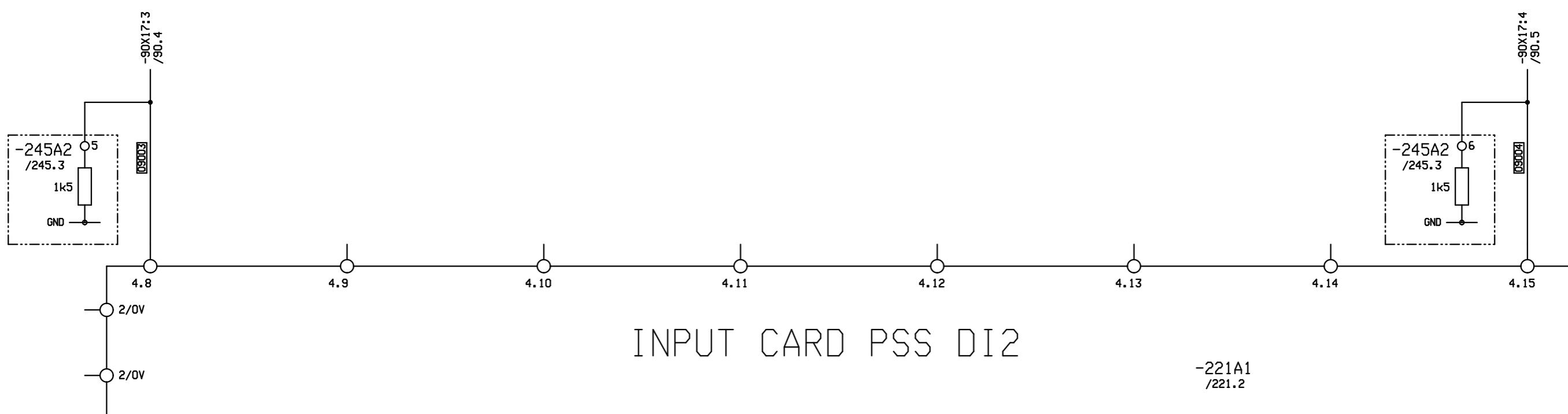
B

C

D

E

F



B /221.9

/223.1

2

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM

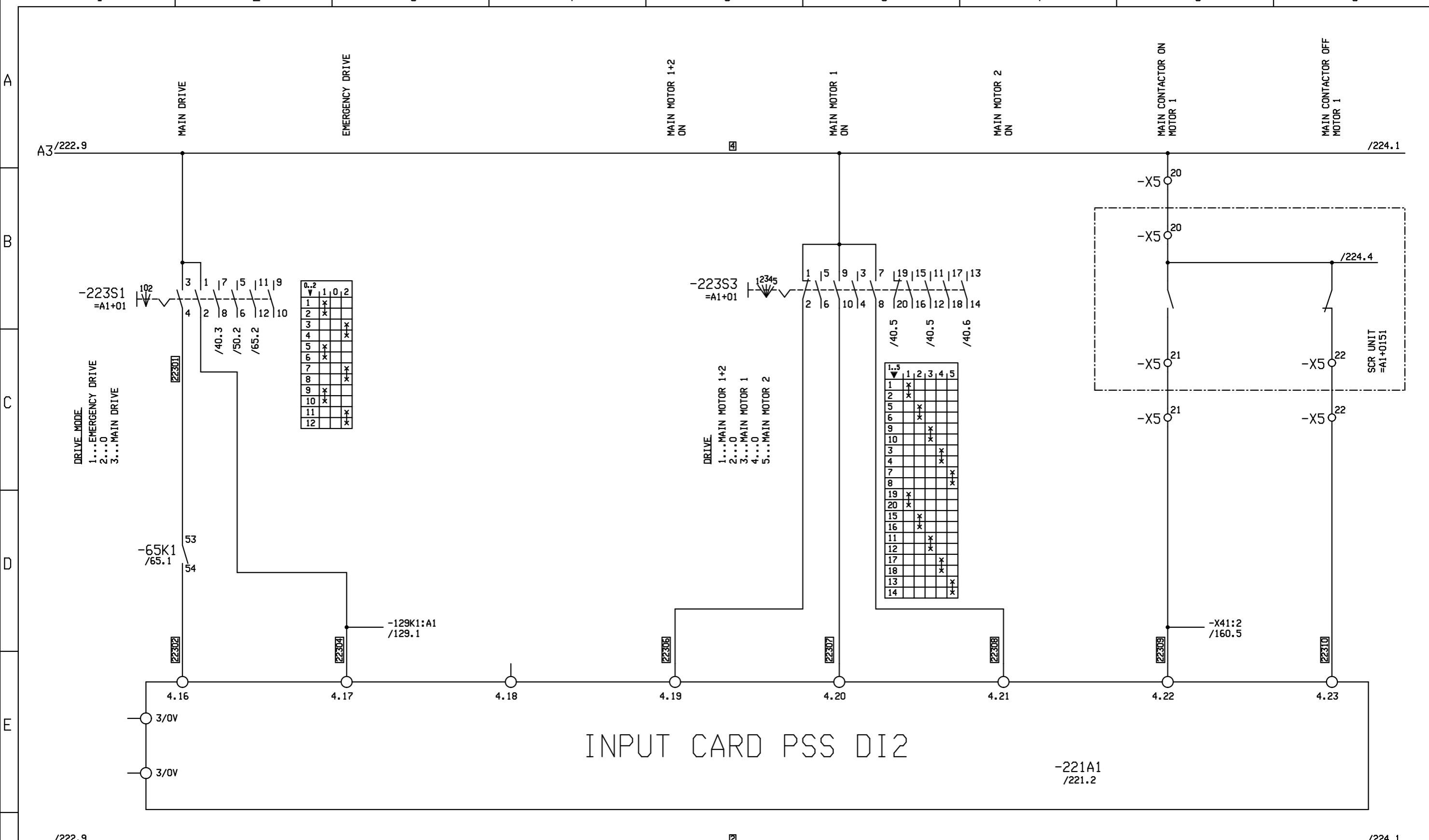
D Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

=A1+01	
Date	07.07.11
Sheet :	222
Cont.sheet:	223

INPUT PLC (FS)

DRIVE STATION

LV-CONTROL



Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (FS)	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 20.11.12
File:	ANWAA2638						Sheet : 223 Cont.sheet: 224

A

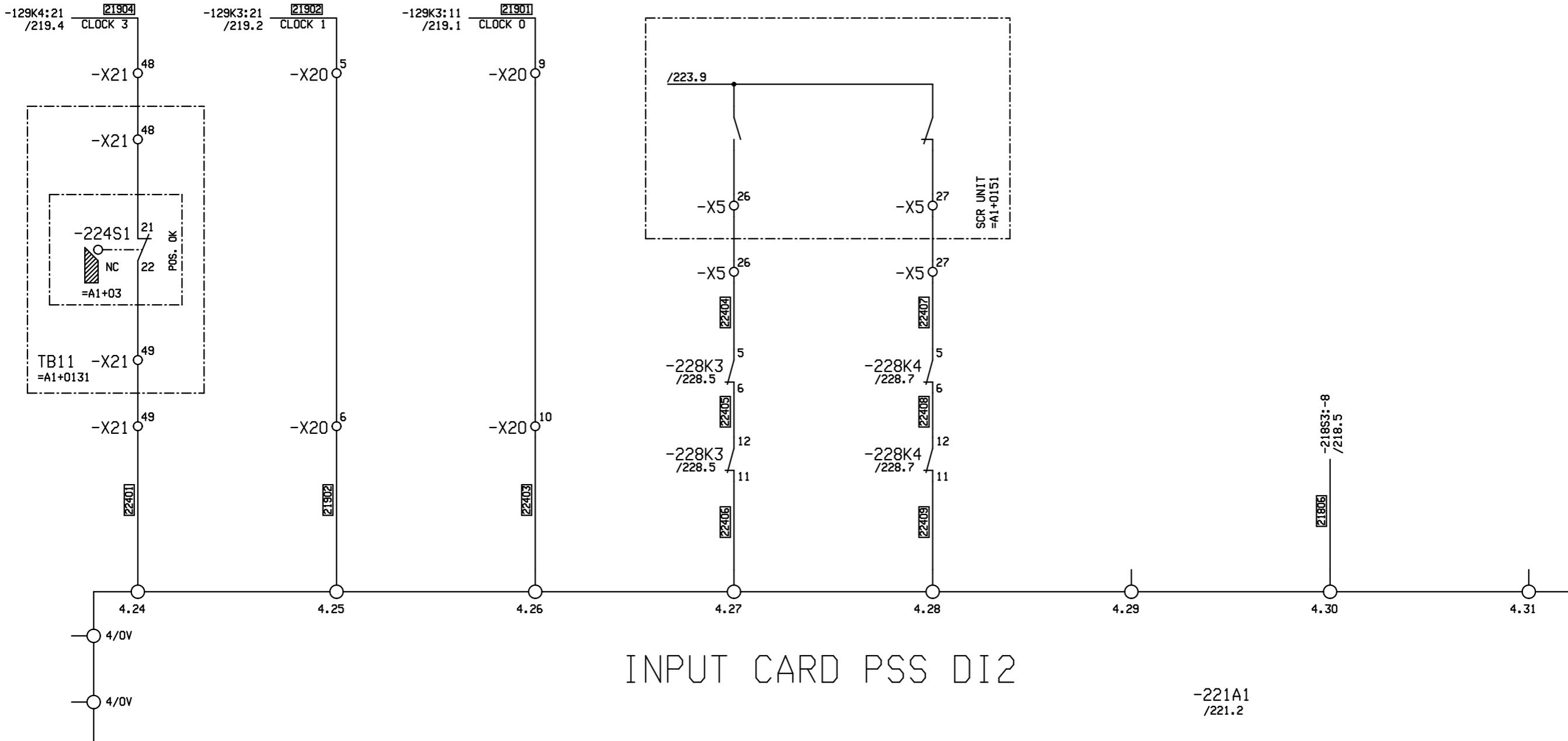
DAMPED GUIDE RAIL

WEATHER DOOR
END POSITION UPSPLIT COVER
END POSITION OPENFEEDBACK
RELAY RUNFEEDBACK
RELAY
SAFETY CIRCUIT O.K.RETURN STATION UNMANNED
DRIVE STATION

/225.1

A3/223.9

④



INPUT CARD PSS D12

-221A1
/221.2

B /223.9

②

/225.1

F

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM



Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

INPUT PLC (FS)

DRIVE STATION

LV-CONTROL

=A1+01

Date 25.10.11

Sheet : 224

Cont.sheet: 225

1 2 3 4 5 6 7 8 9

A

EMERGENCY BRAKE 1
OPEN/CLOSEDEMERGENCY BRAKE 2
OPEN/CLOSEDEMERGENCY BRAKE 3
OPEN/CLOSEDSERVICE BRAKE 1
OPEN/CLOSEDSERVICE BRAKE 2
OPEN/CLOSEDSERVICE BRAKE 3
OPEN/CLOSEDSERVICE BRAKE 4
OPEN/CLOSEDINTERLOCK
MAIN DRIVE

A3/224.9

/226.1

-X6 60

-X6 60

-X6 62

-X6 64

-X6 66

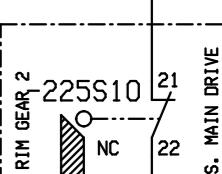
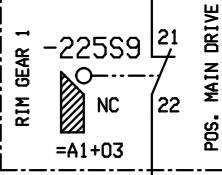
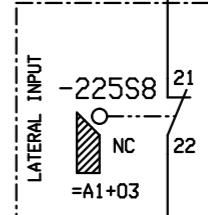
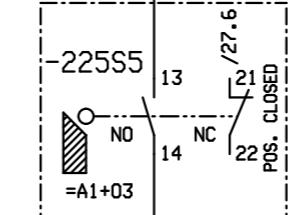
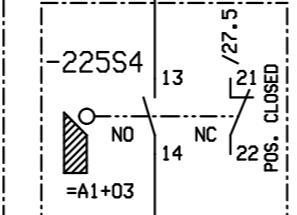
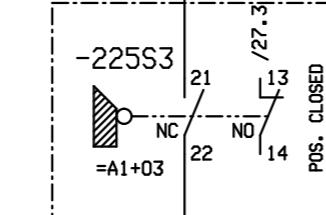
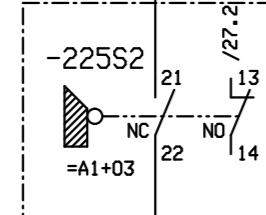
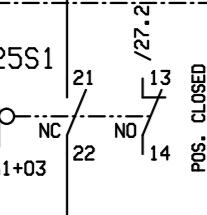
-X6 66

-X6 68

-X6 74

-X6 75

-X6 75

TB 13
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-X6 61

-X6 63

-X6 65

TB 3
=A1+033

-X6 67

-X6 69

-X6 75

-X6 77

22501
-67K1:A1
/67.122502
-67K2:A1
/67.222503
-67K3:A1
/67.322504
-67K4:A1
/67.422505
-67K5:A1
/67.522506
-67K6:A1
/67.6

5.0

5.1

5.2

5.3

5.4

5.5

5.6

5.7

1/0V

1/0V

1/0V

1/0V

1/0V

1/0V

1/0V

1/0V

INPUT-OUTPUT CARD PSS DI20Z

-225A1
=A1+01

B

/224.9

/226.1

2

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM

INPUT PLC (FS)

DRIVE STATION

LV-CONTROL

=A1+01
Date 22.11.12Sheet : 225
Cont.sheet: 226

SERVICE BRAKE
MECH. BLOCKED

SERVICE BRAKE
CLOSE

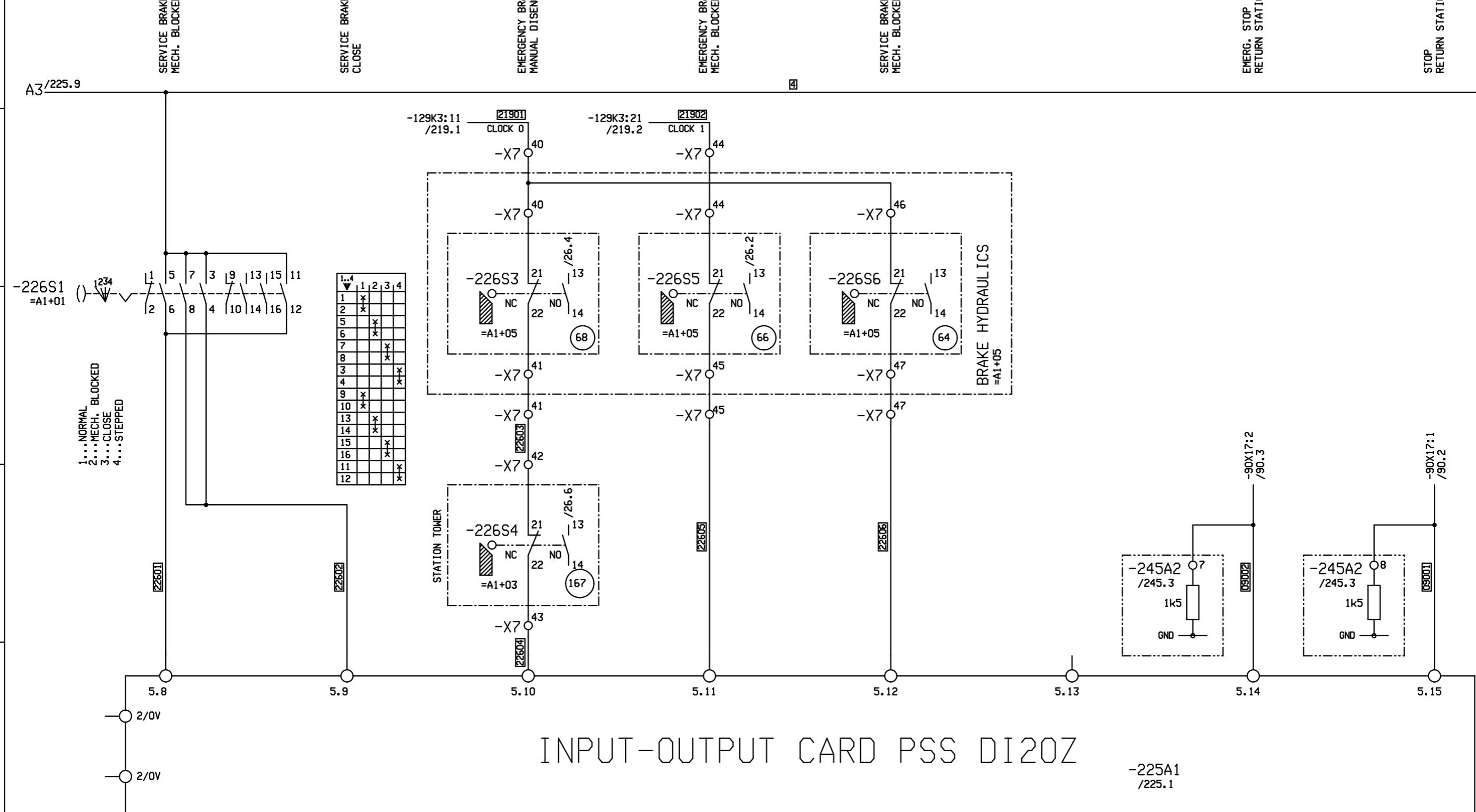
EMERGENCY BRAKE
MANUAL DISENGAGING

EMERGENCY BRAKE
MECH. BLOCKED

SERVICE BRAKE
MECH. BLOCKED

EMERG. STOP
RETURN STATION

STOP
RETURN STATION



INPUT-OUTPUT CARD PSS DI20Z

-225A1
/225.1

Revision 2.1 Drawn by LOJ

Date 14.08.20 Dr.ch.by Fhs

10-MGD BANA BIG ROPEWAY

WAA0002638

BANA / VIETNAM

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INPUT PLC (FS)

DRIVE STATION

LV-CONTROL

=A1+01

Date 11.09.13

Sheet : 226

Cont.sheet: 227

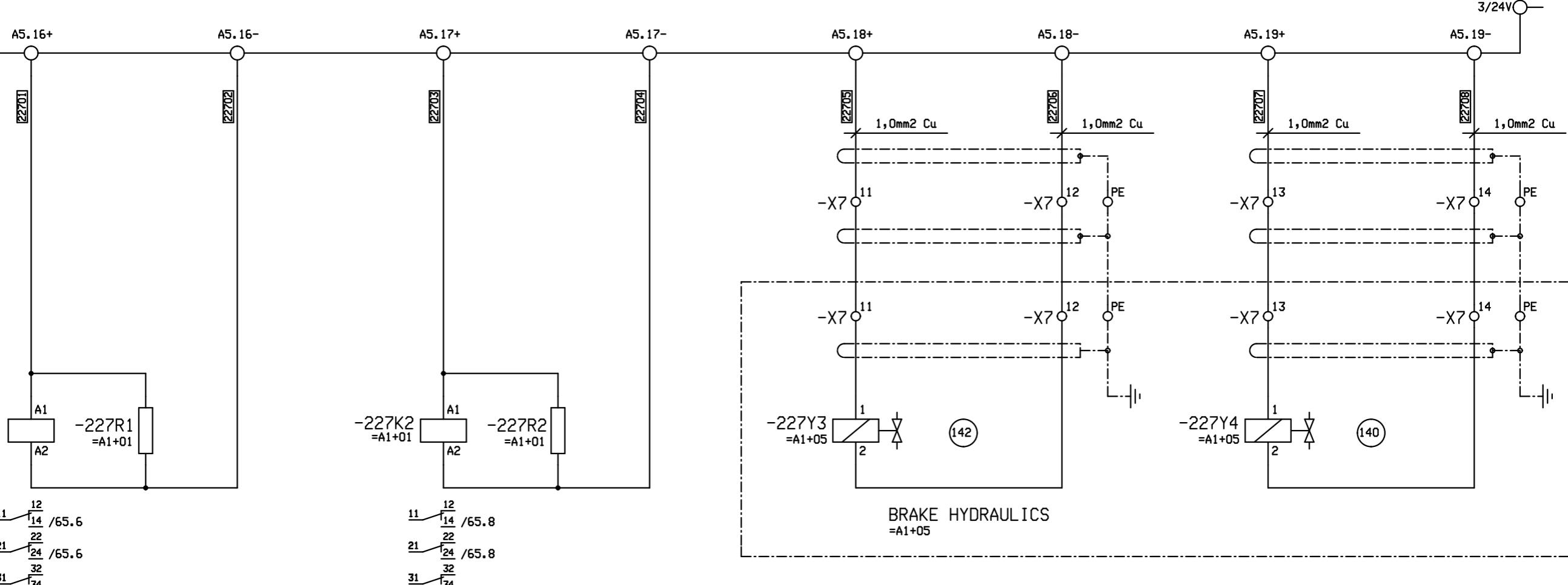
A

D /66.9

SOLENOID 1
EMERGENCY BRAKESOLENOID 2
EMERGENCY BRAKESOLENOID STEPPED
SERVICE BRAKEQUICK ACTION VALVE
SERVICE BRAKE

@PXR

INPUT-OUTPUT CARD PSS DI20Z



B /226.9

/228.1

F

Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	® OUTPUT PLC (FS)	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 21.04.11
File:	ANWAA2638						Sheet : 227 Cont.sheet: 228

A

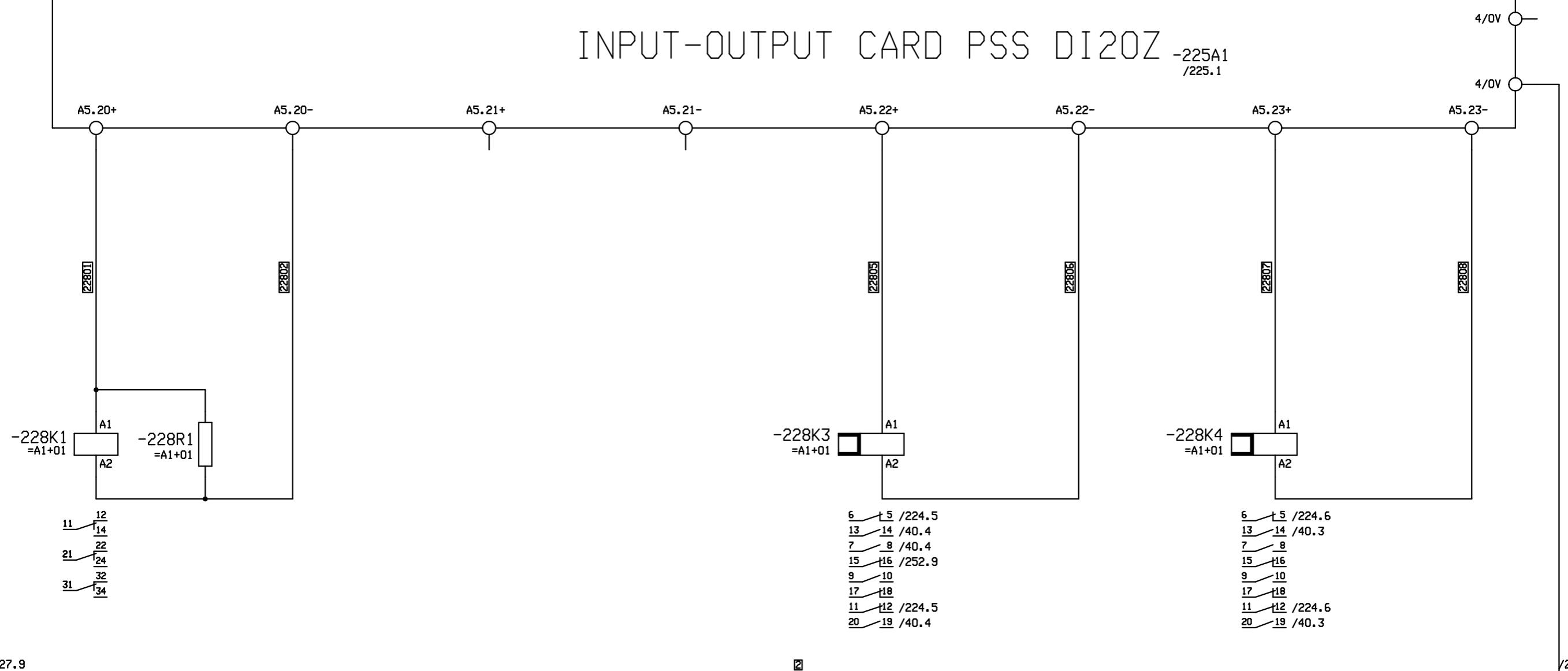
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RUN

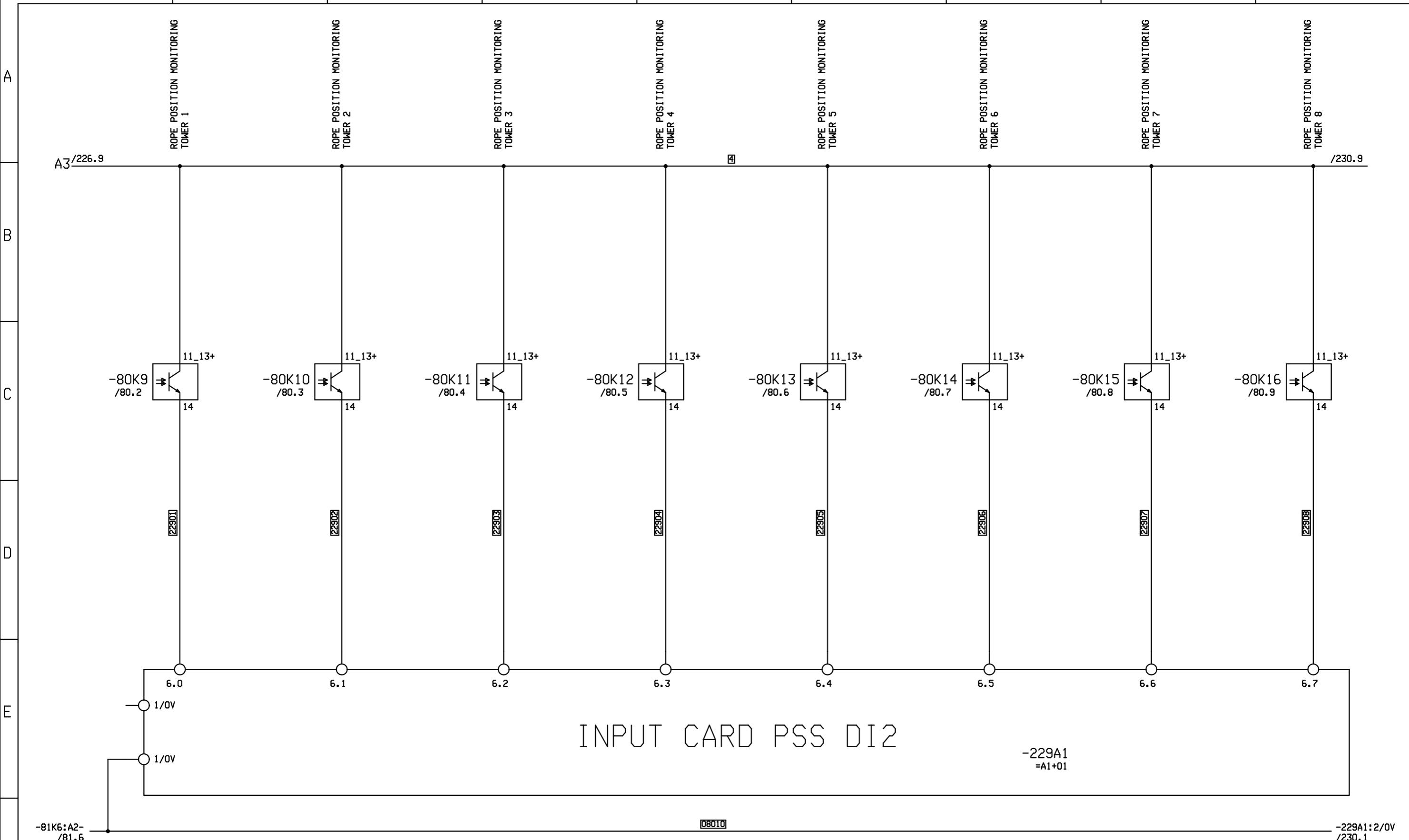
SAFETY CIRCUIT
O.K.

B

INPUT-OUTPUT CARD PSS DI20Z

-225A1
/225.1

F



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM



INPUT PLC (FS)		=A1+01
DRIVE STATION	LV-CONTROL	Date : 14.08.20
Sheet : 229	Cont.sheet: 230	

A

ROPE POSITION MONITORING
TOWER 9ROPE POSITION MONITORING
TOWER 10ROPE POSITION MONITORING
TOWER 11ROPE POSITION MONITORING
TOWER 12ROPE POSITION MONITORING
TOWER 13ROPE POSITION MONITORING
TOWER 14ROPE POSITION MONITORING
TOWER 15ROPE POSITION MONITORING
TOWER 16

A3/229.9 _____ /231.9

B

-81K9
/81.2
11_13+
14
23001-81K10
/81.3
11_13+
14
23002-81K11
/81.4
11_13+
14
23003-81K12
/81.5
11_13+
14
23004-81K13
/81.6
11_13+
14
23005-81K14
/81.7
11_13+
14
23006-81K15
/81.8
11_13+
14
23007-81K16
/81.8
11_13+
14
23008

C

D

E

F

6.8

6.9

6.10

6.11

6.12

6.13

6.14

6.15

INPUT CARD PSS DI2

-229A1
/229.2-229A1:1/0V
/229.1-229A1:3/0V
/231.1

08010

Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

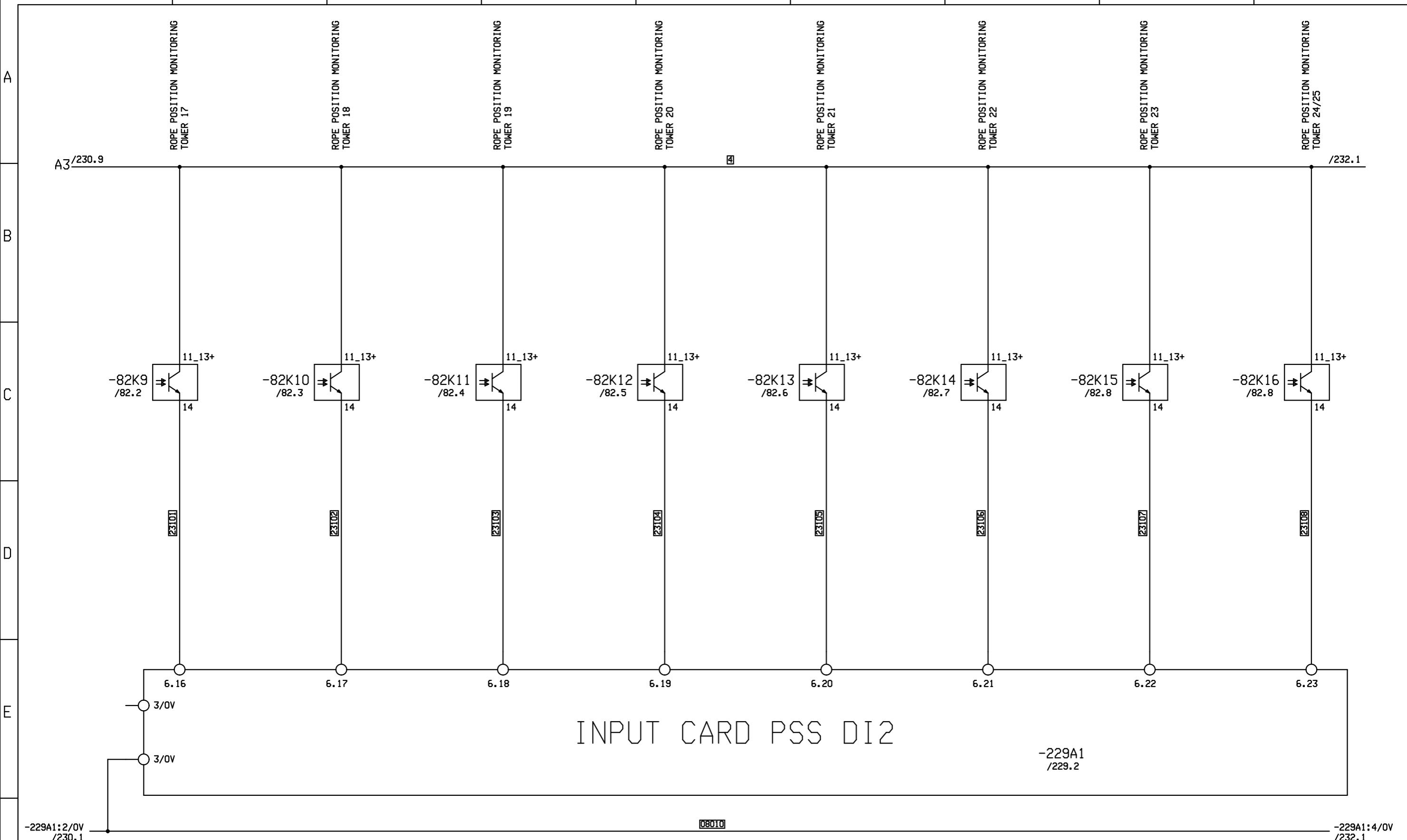
10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM

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A-6960 WOLFURT / AUSTRIA

INPUT PLC (FS)
DRIVE STATION

LV-CONTROL

=A1+01
Date 14.08.20
Sheet : 230
Cont.sheet: 231



1 2 3 4 5 6 7 8 9

A

SRA - PROCESSING
ROPE MISSING OR TOO CLOSE
RPD SYSTEMAOC - PROCESSING
ROPE OUT OF CENTER
RPD SYSTEMDISABLE
RPD SYSTEMDISABLE
BREAK FORK SWITCH SYSTEMMAIN CONTACTOR ON
MOTOR 2MAIN CONTACTOR OFF
MOTOR 2

STOP SB ST

SPEED V2

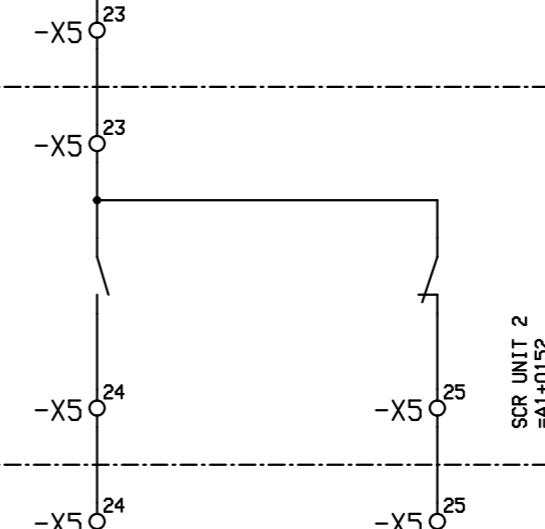
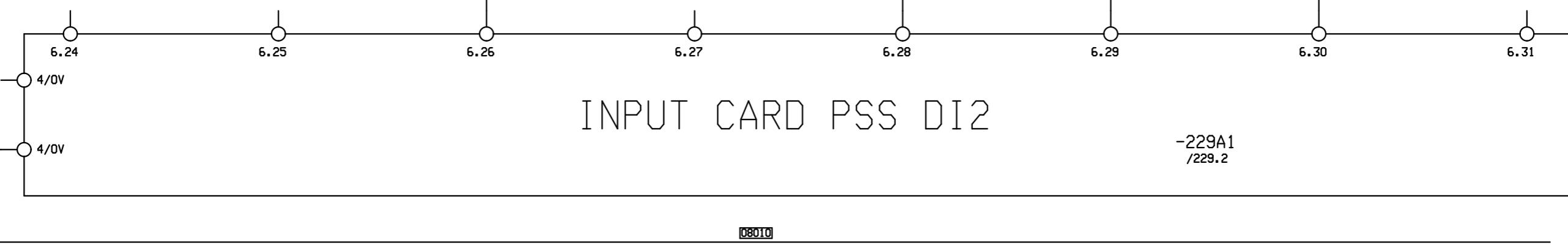
SPXR

A3/231.9

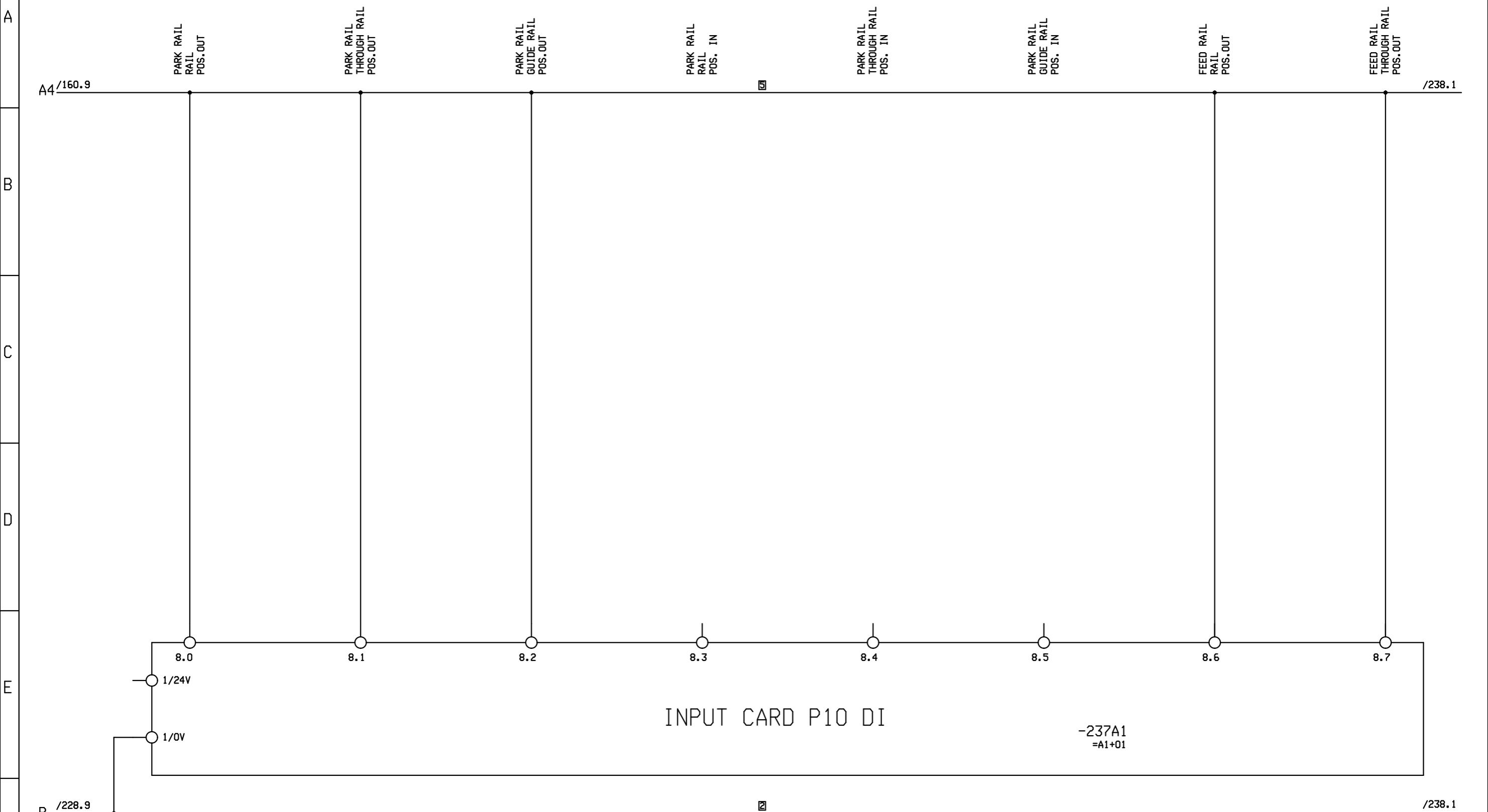
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/219.5 CLOCK 4

21905

4

-245A1:A10.5
/245.7

Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr [®] Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
Date	14.08.20	Dr.ch.by	Fhs			Date 14.08.20
File:	ANWAA2638					Sheet : 232 Cont.sheet: 237



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM



INPUT PLC (ST)

DRIVE STATION

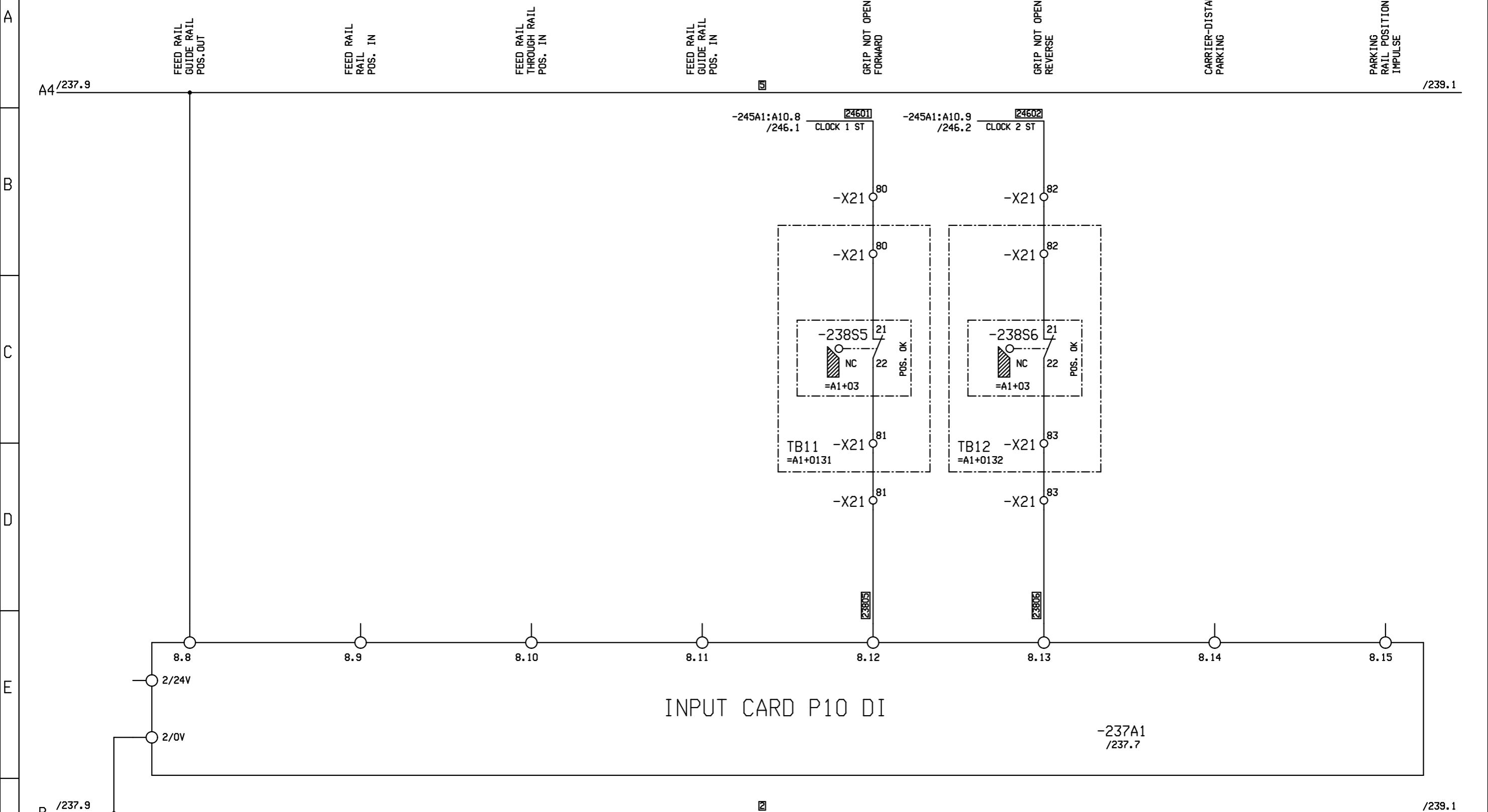
LV-CONTROL

=A1+01

Date : 27.10.11

Sheet : 237

Cont.sheet: 238



Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

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WAA0002638
BANA / VIETNAM



INPUT PLC (ST)

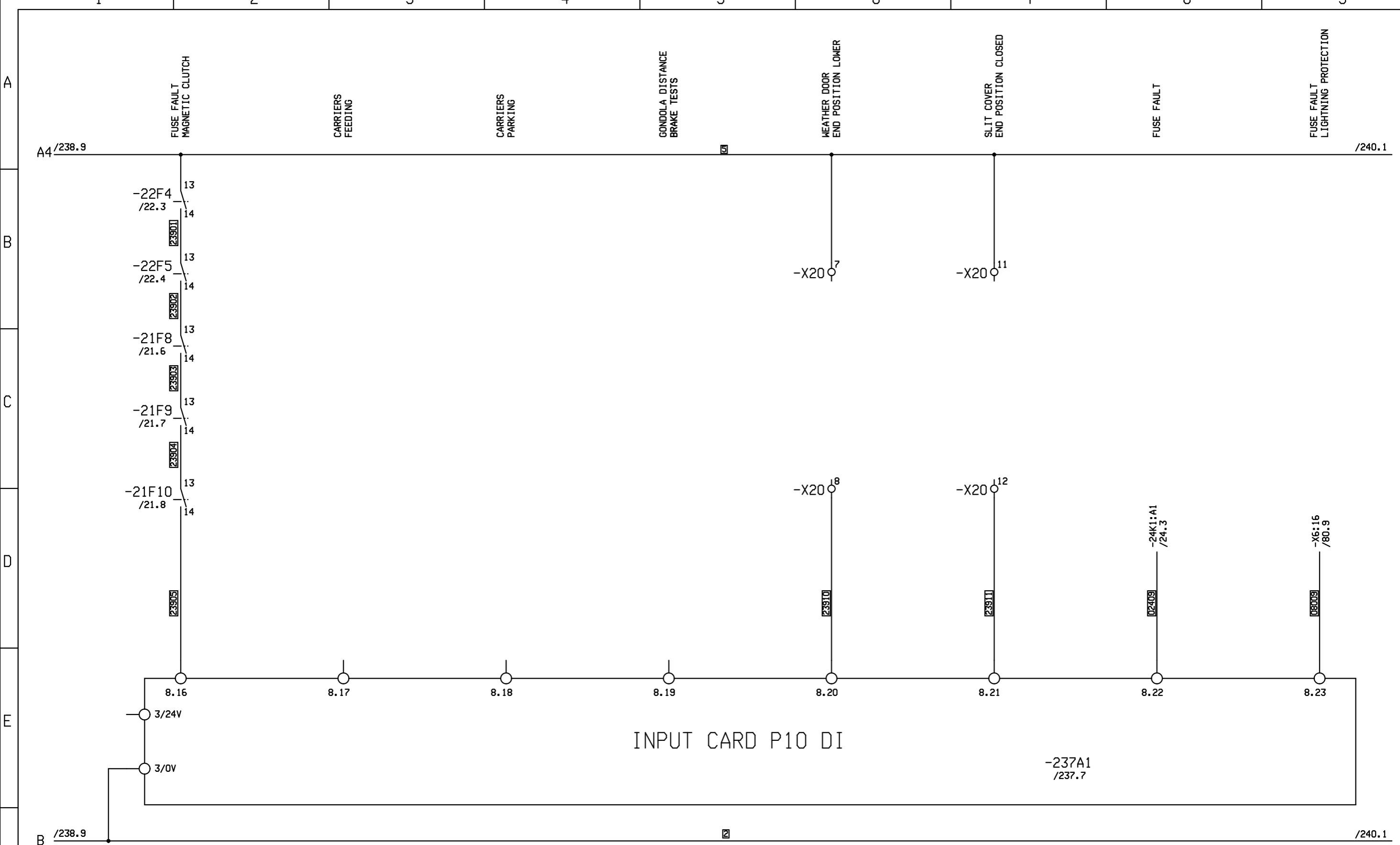
DRIVE STATION

LV-CONTROL

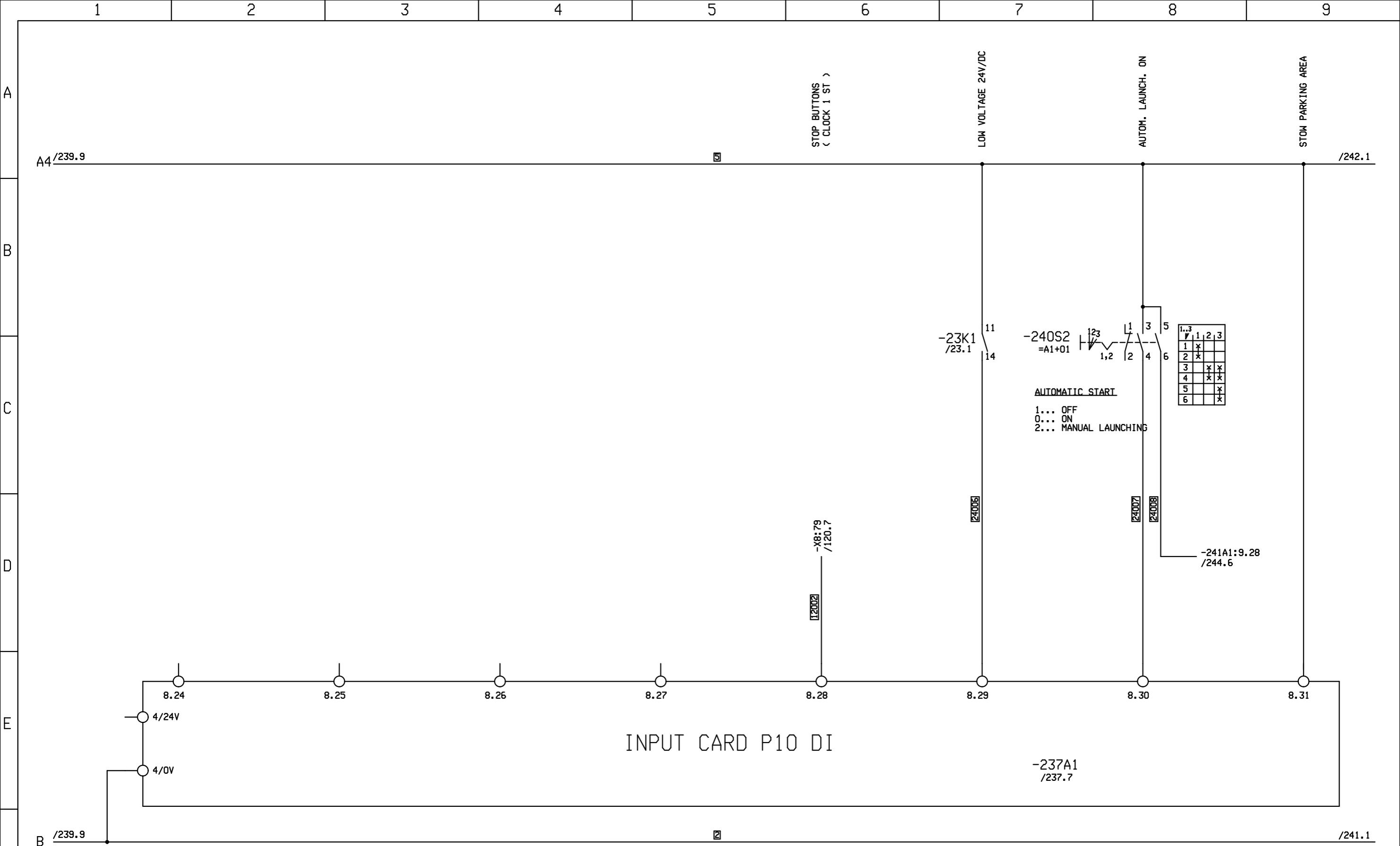
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Date 27.10.11

Sheet : 238
Cont.sheet: 239

1 2 3 4 5 6 7 8 9



Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
Date	14.08.20	Dr.ch.by	Fhs			Date 27.10.11
File:	ANWAA2638					Sheet : 239 Cont.sheet: 240



Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	=A1+01
Date	14.08.20	Dr.ch.by	Fhs		Date 27.10.11
File:	ANWAA2638				Sheet : 240 Cont.sheet: 241
				Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (ST)
				DRIVE STATION	LV-CONTROL

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A4/240.9

/242.1

FC MOTOR TERMINAL CONVEYOR

KLIKON MOTOR TERMINAL CONVEYOR

OVERCURRENT FAN TERMINAL CONVEYOR

FC MOTOR TECHNICAL FAULT TERMINAL CONVEYOR

POWER SUPPLY NETWORK

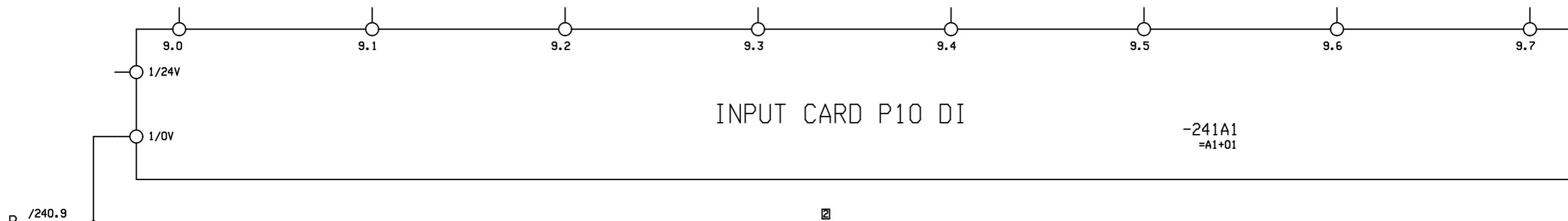
POWER SUPPLY DIESEL GENERATOR

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D

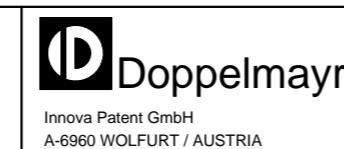
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Revision	2.1	Drawn by	L0J
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File: ANWAA2638			

10-MGD BANA BIG ROPEWAY
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INPUT PLC (ST)

DRIVE STATION

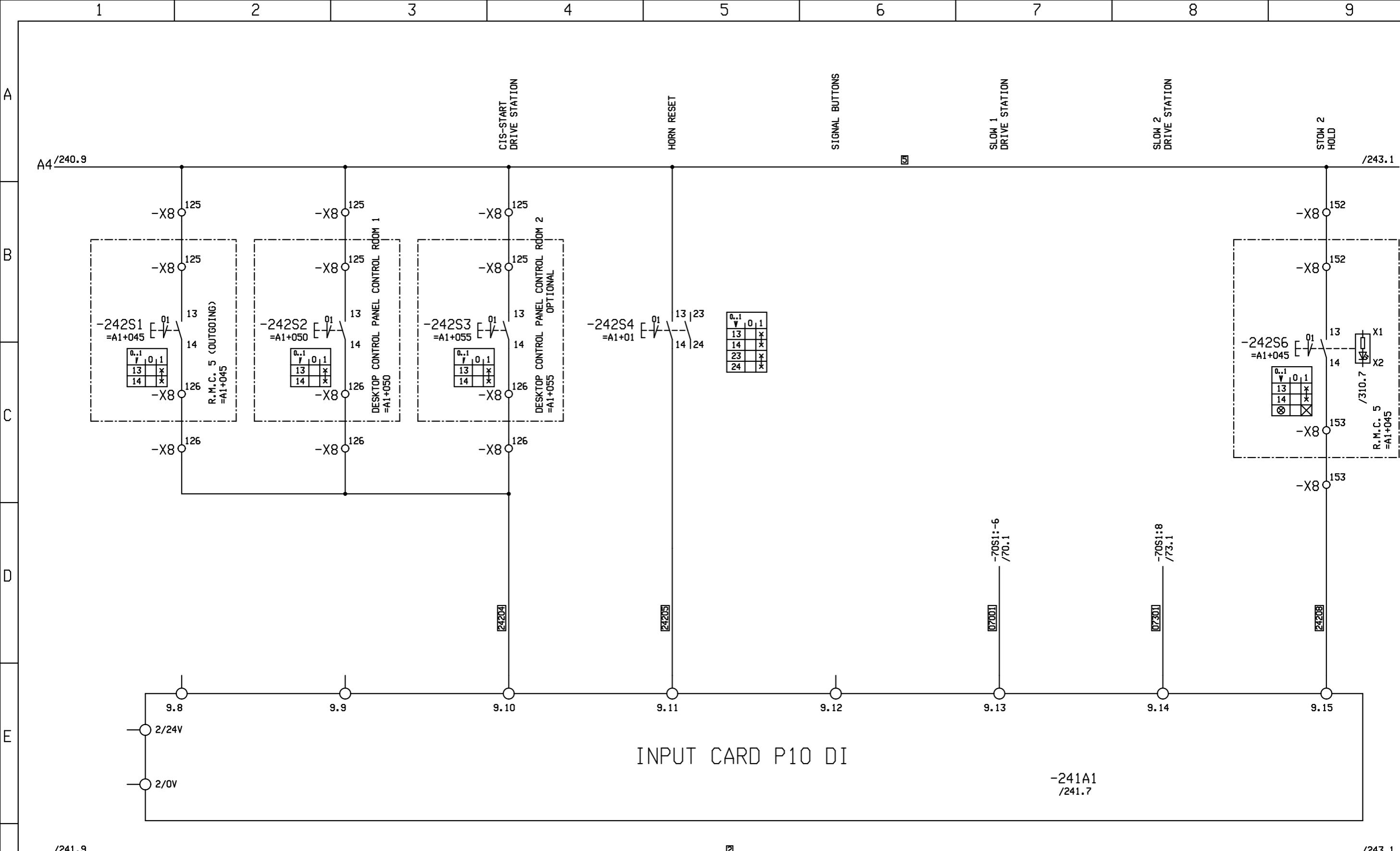
LV-CONTROL

=A1+01

Date 11.09.13

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Cont.sheet: 242



Revision	2.1	Drawn by	LOJ	1 W B
Date	14.08.20	Dr.ch.by	Fhs	
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WAA0002638
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INPUT PLC (ST)

DRIVE STATION

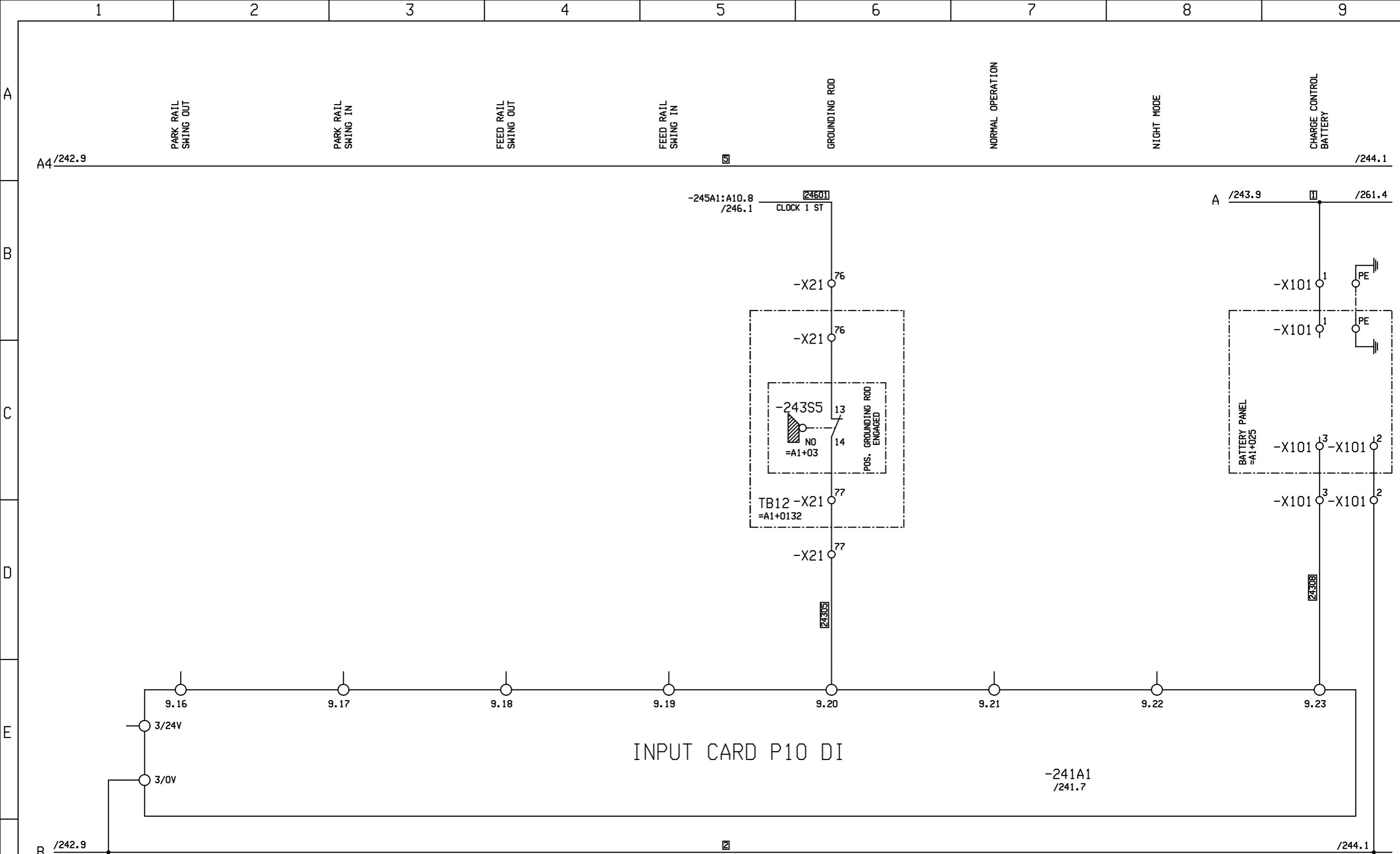
LV CONTROL

A1 + Q1

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heet: 243



Revision	2.1	Drawn by	LOJ	10-
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INPUT PLC (ST)

DRIVE STATION

LV-CONTROL

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Sheet : 24

Cont. sheet: 24

1 2 3 4 5 6 7 8 9

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START POSITION
SPACING CLUTCH
INCOMING/OUTGOINGSTART POSITION
SPACING CLUTCH
CURVED SECTIONSTOP
FEED CONVEYOR

MANUAL LAUNCHING

LIGHT TEST

A4/243.9

/245.1

B

-X8 O¹⁴⁰-X8 O¹⁴⁰-244S5 E⁰¹R.M.C. 5 (OUTGOING)
=A1+045-X8 O¹⁴¹-X8 O¹⁴¹

-240S2:6 /240.8

24008

16002

-160S1:f /160.1

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9.24

4/24V

4/0V

B /243.9

/245.1

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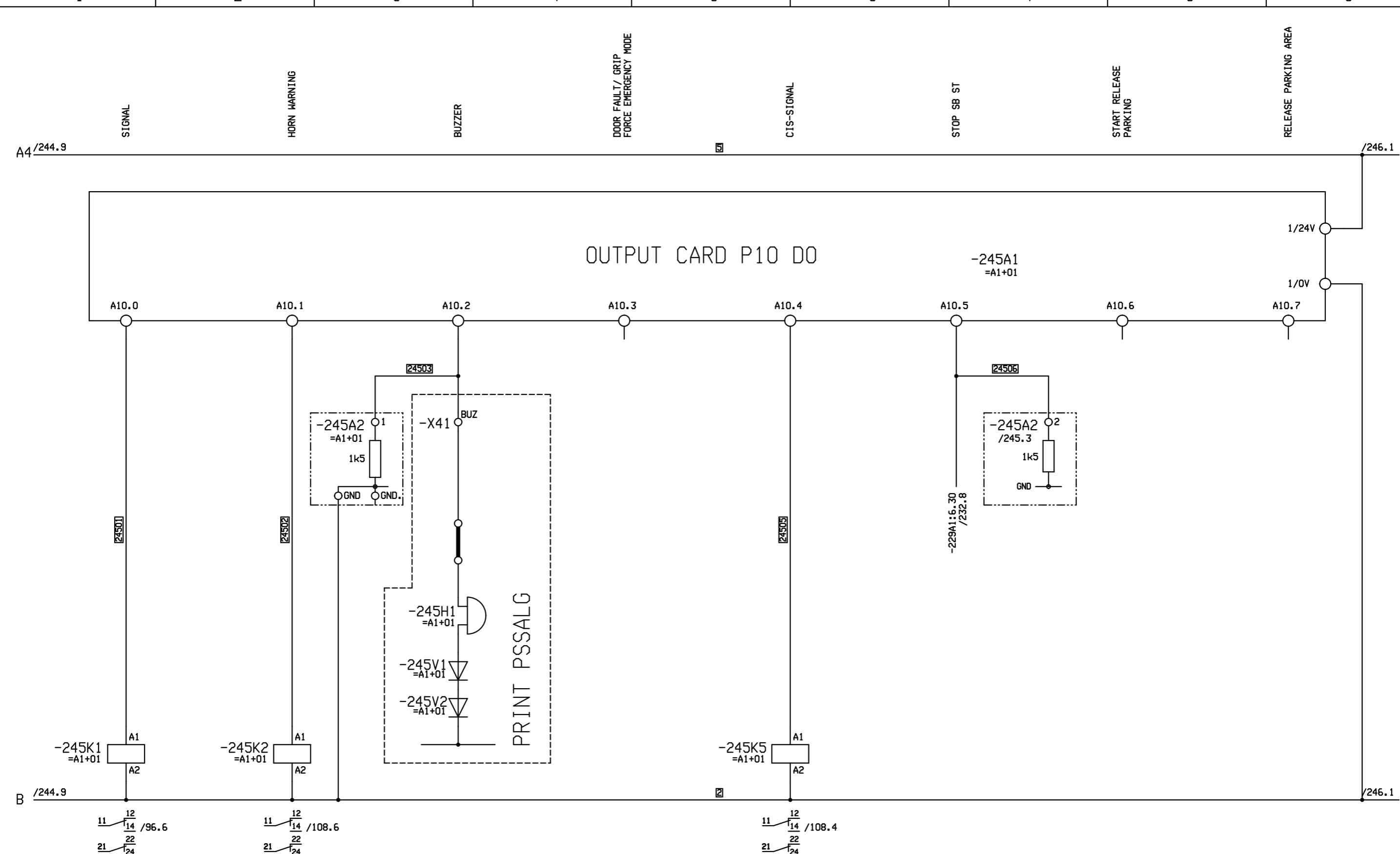
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INPUT CARD P10 DI

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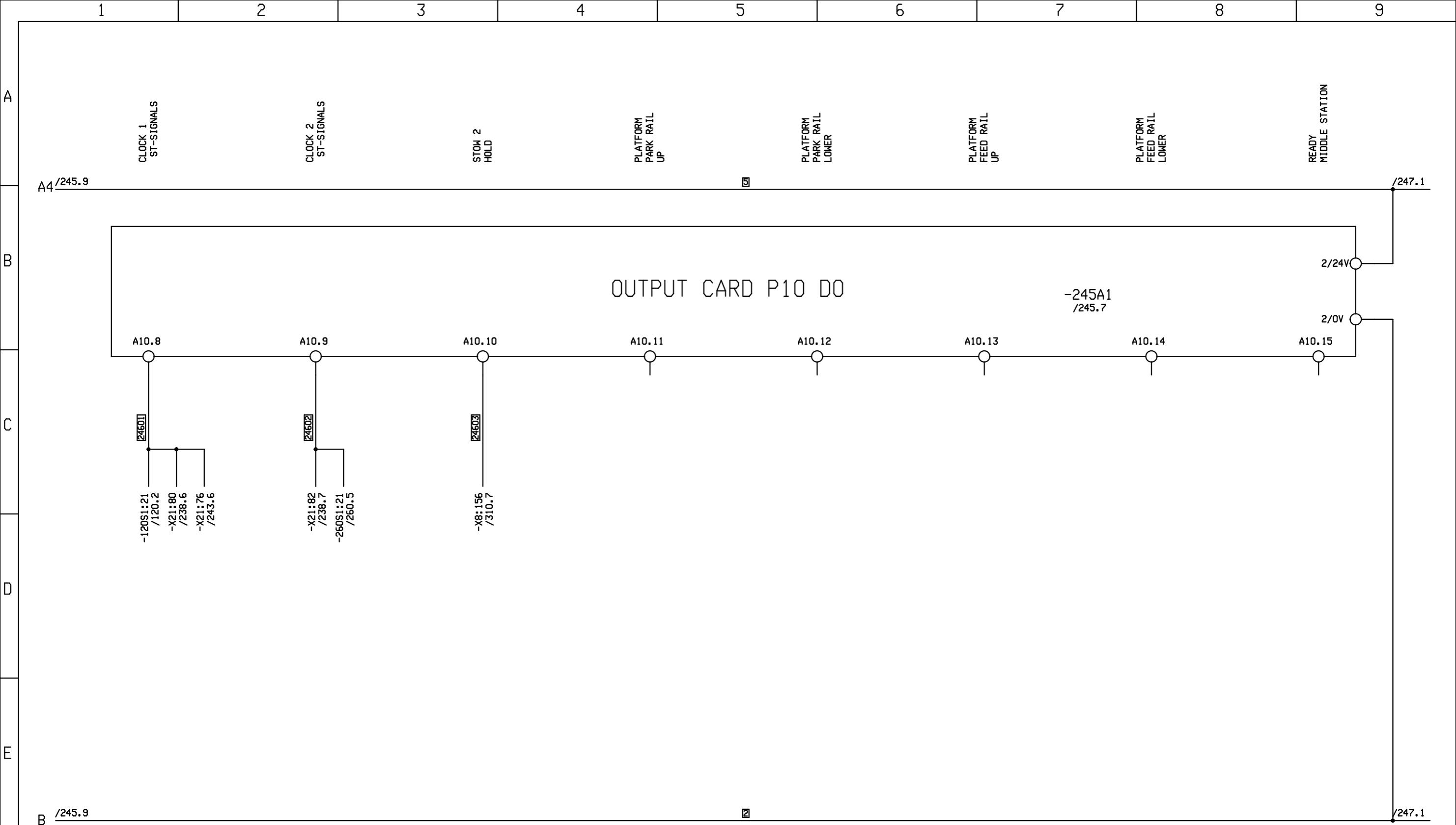
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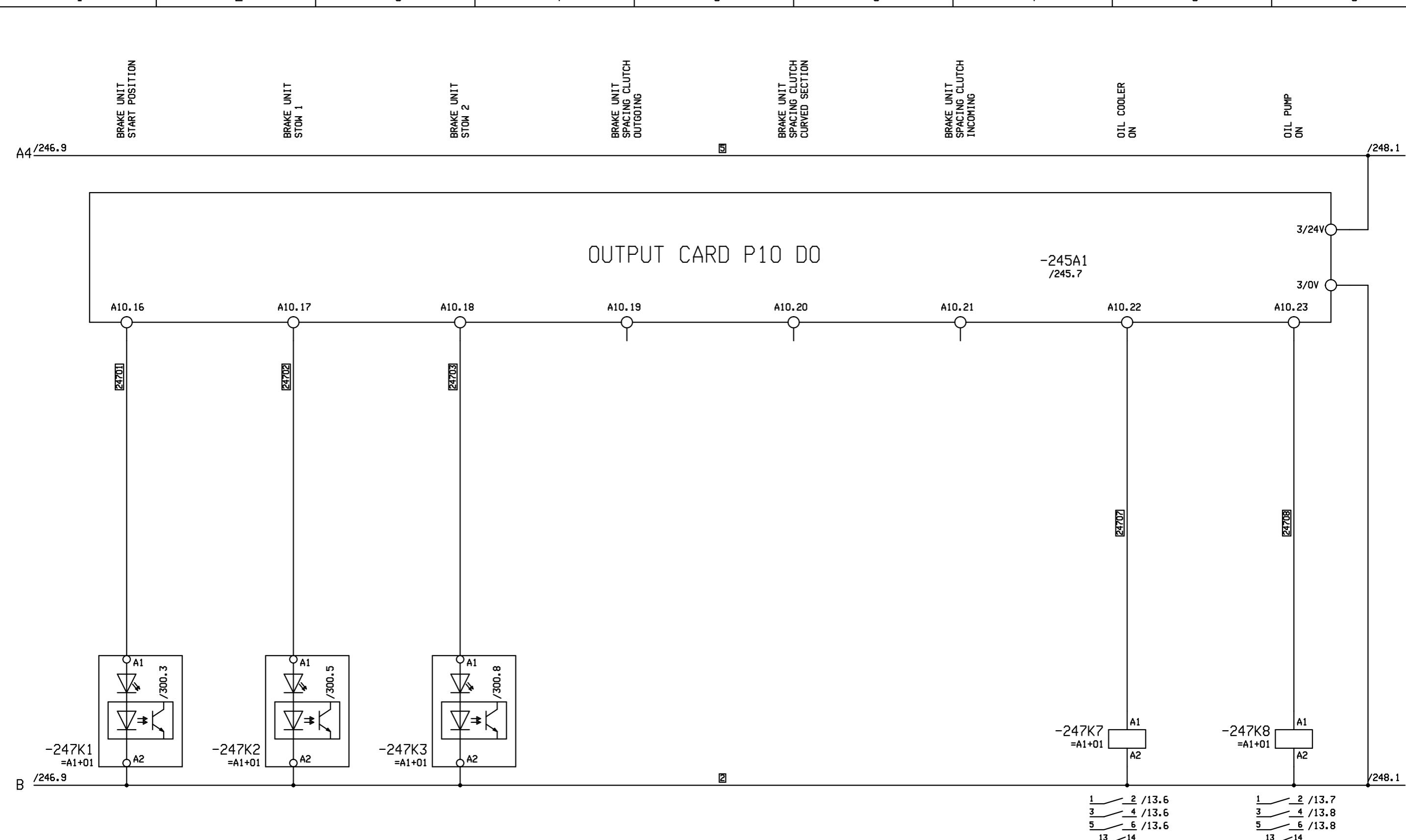
Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (ST)	=A1+01
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						DRIVE STATION	LV-CONTROL



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File: ANWAA2638			

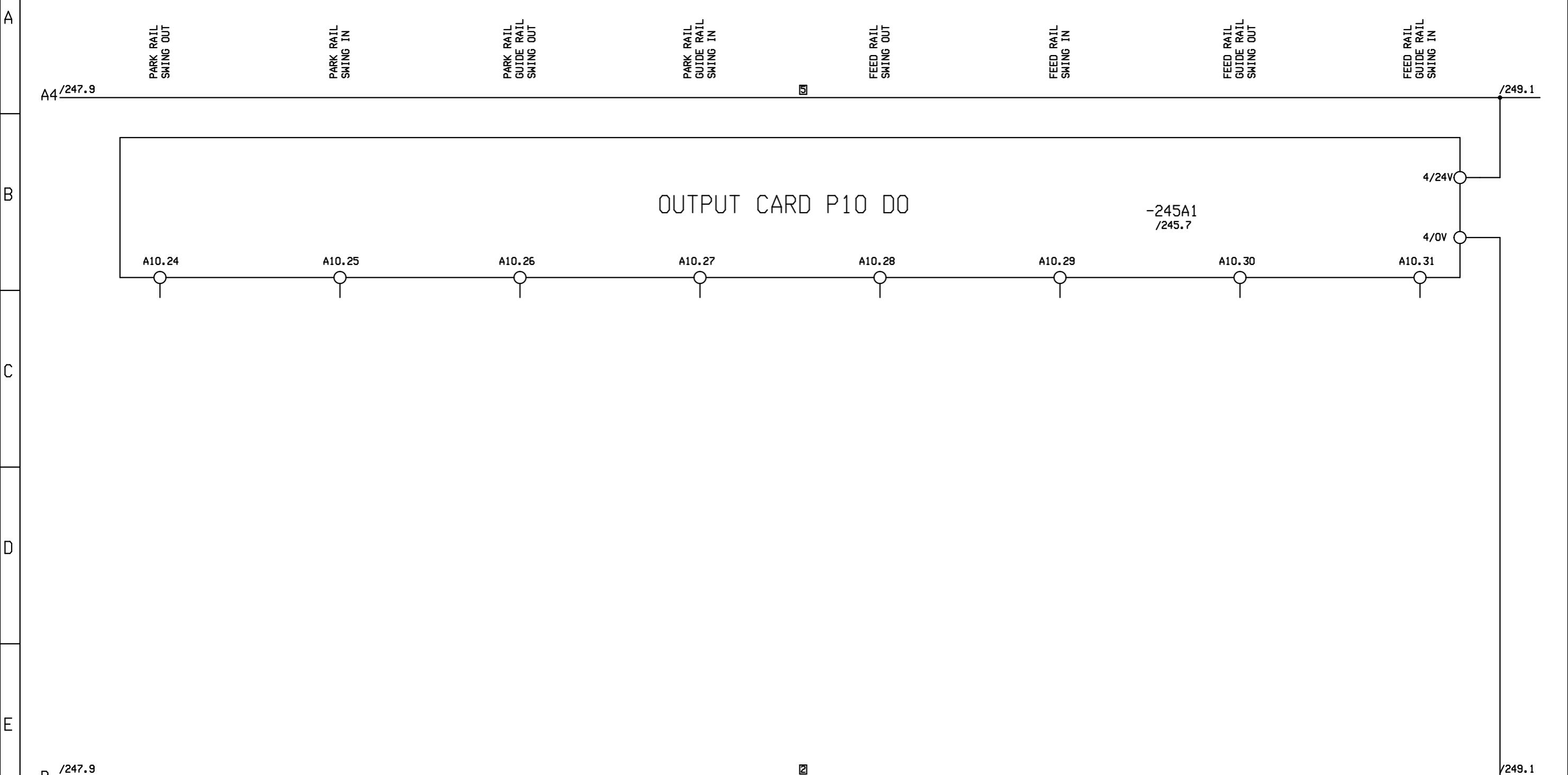
10-MGD BANA BIG ROPEWAY
WAA0002638
BANA / VIETNAM

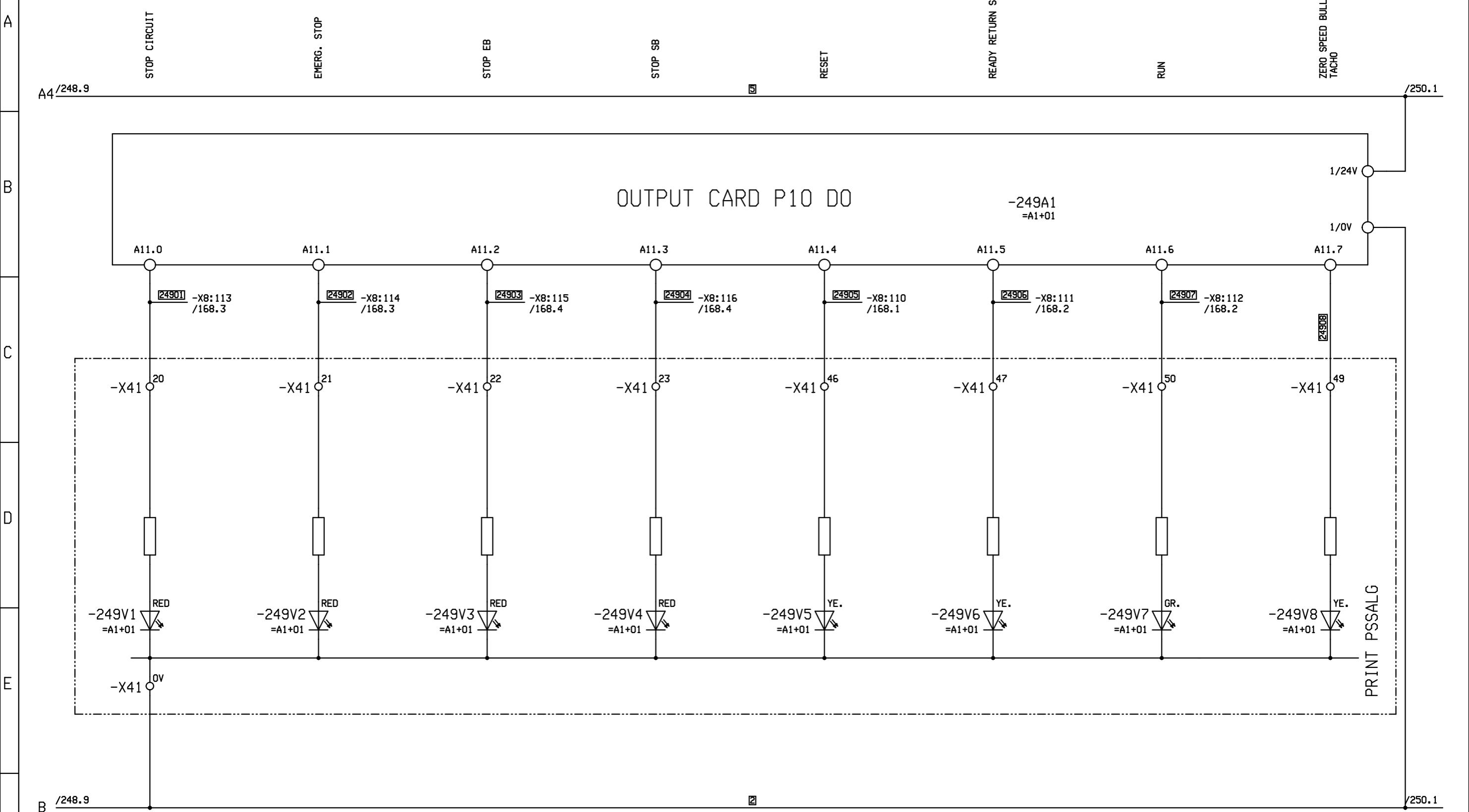




Revision	2.1	Drawn by	L0J
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OUTPUT PLC (ST)

DRIVE STATION

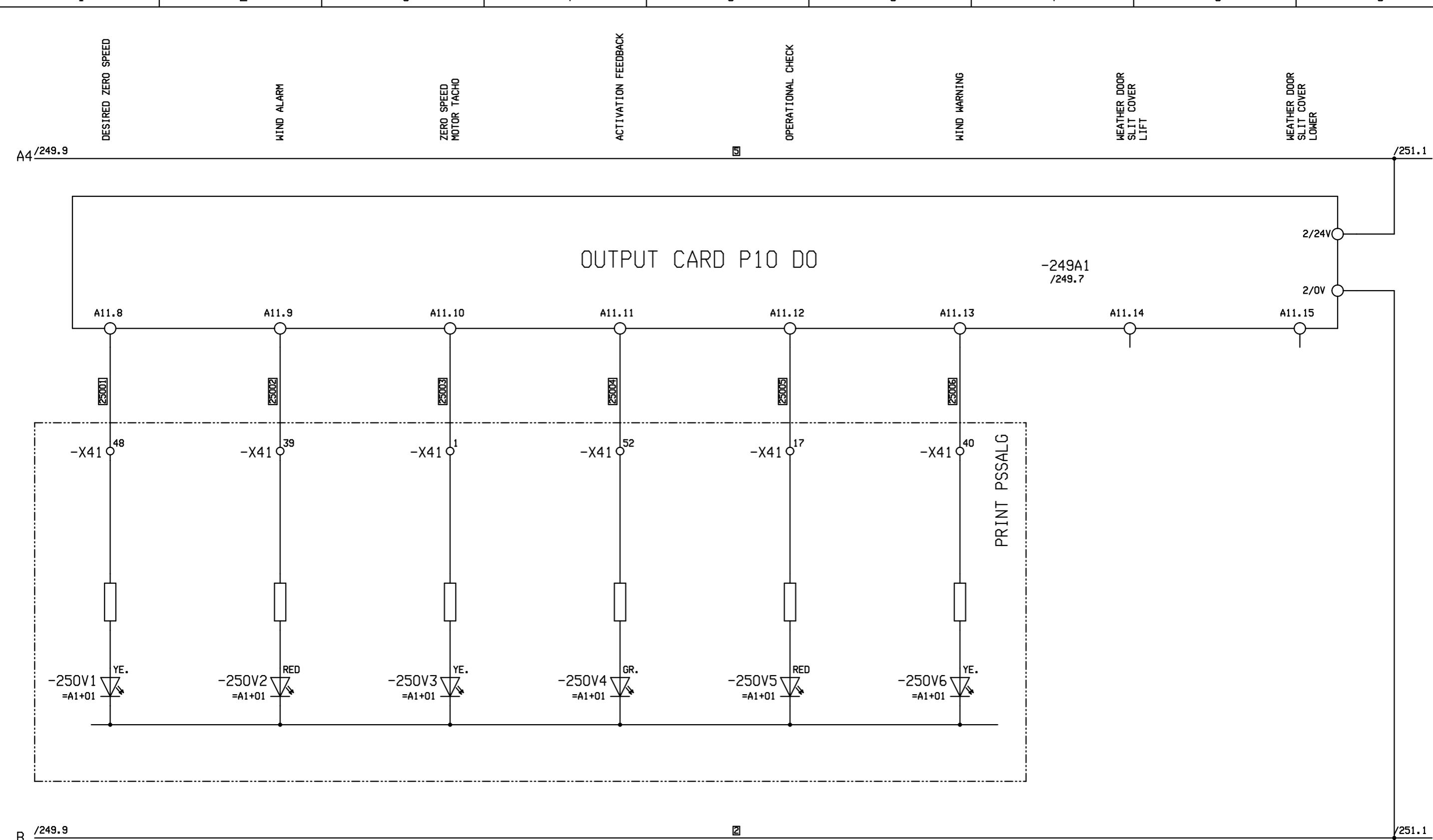
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Date 21.04.11

Sheet : 249

Cont.sheet: 250



Revision	2.1	Drawn by	L0J
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WAA0002638
BANA / VIETNAM



Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

OUTPUT PLC (ST)

DRIVE STATION

LV-CONTROL

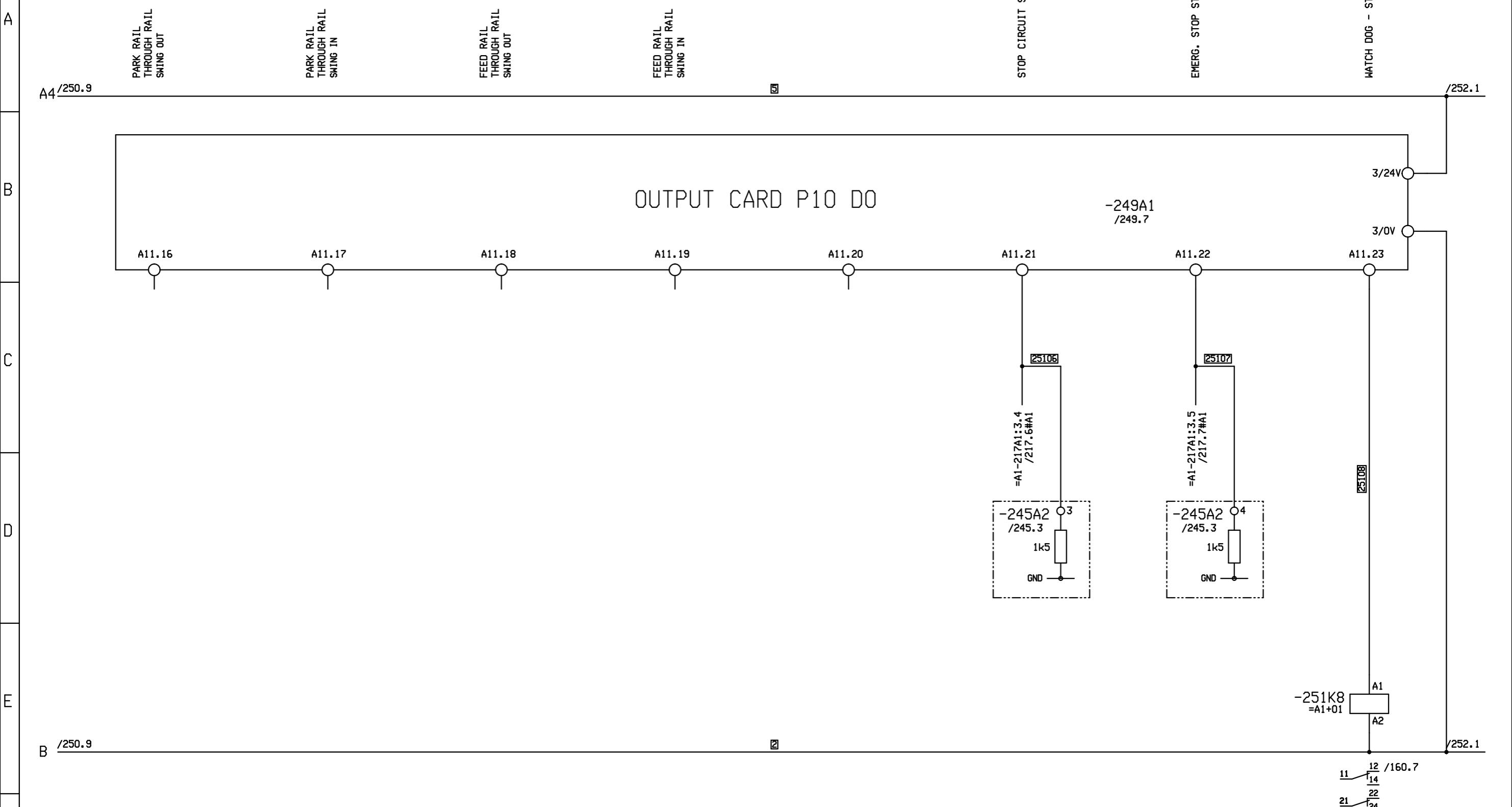
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Date 27.10.11

Sheet : 250

Cont.sheet: 251

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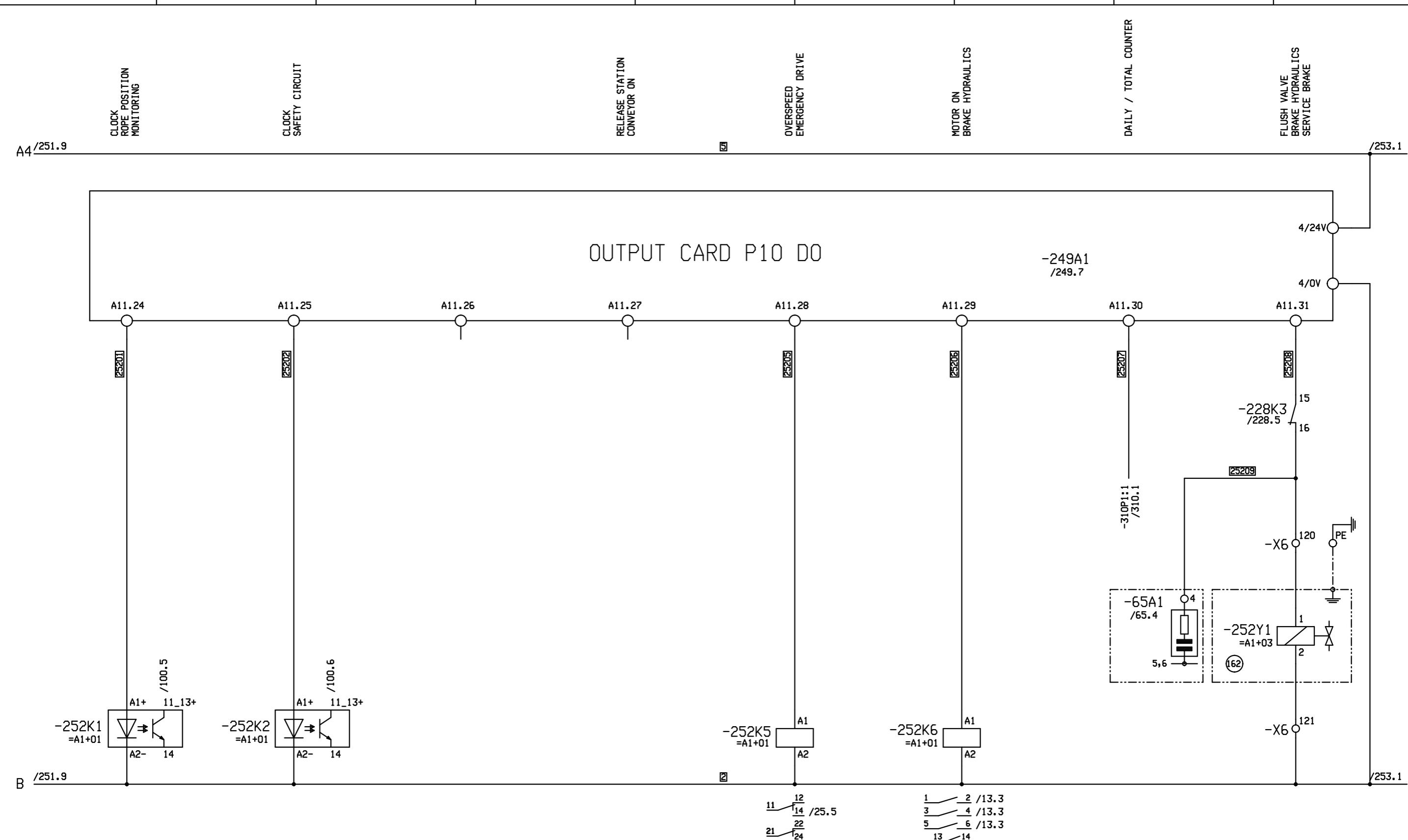


Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
File: ANWAA2638			

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OUTPUT PLC (ST)		=A1+01
DRIVE STATION		LV-CONTROL
Date	27.10.11	Sheet : 251
Cont.sheet:	252	Cont.sheet:

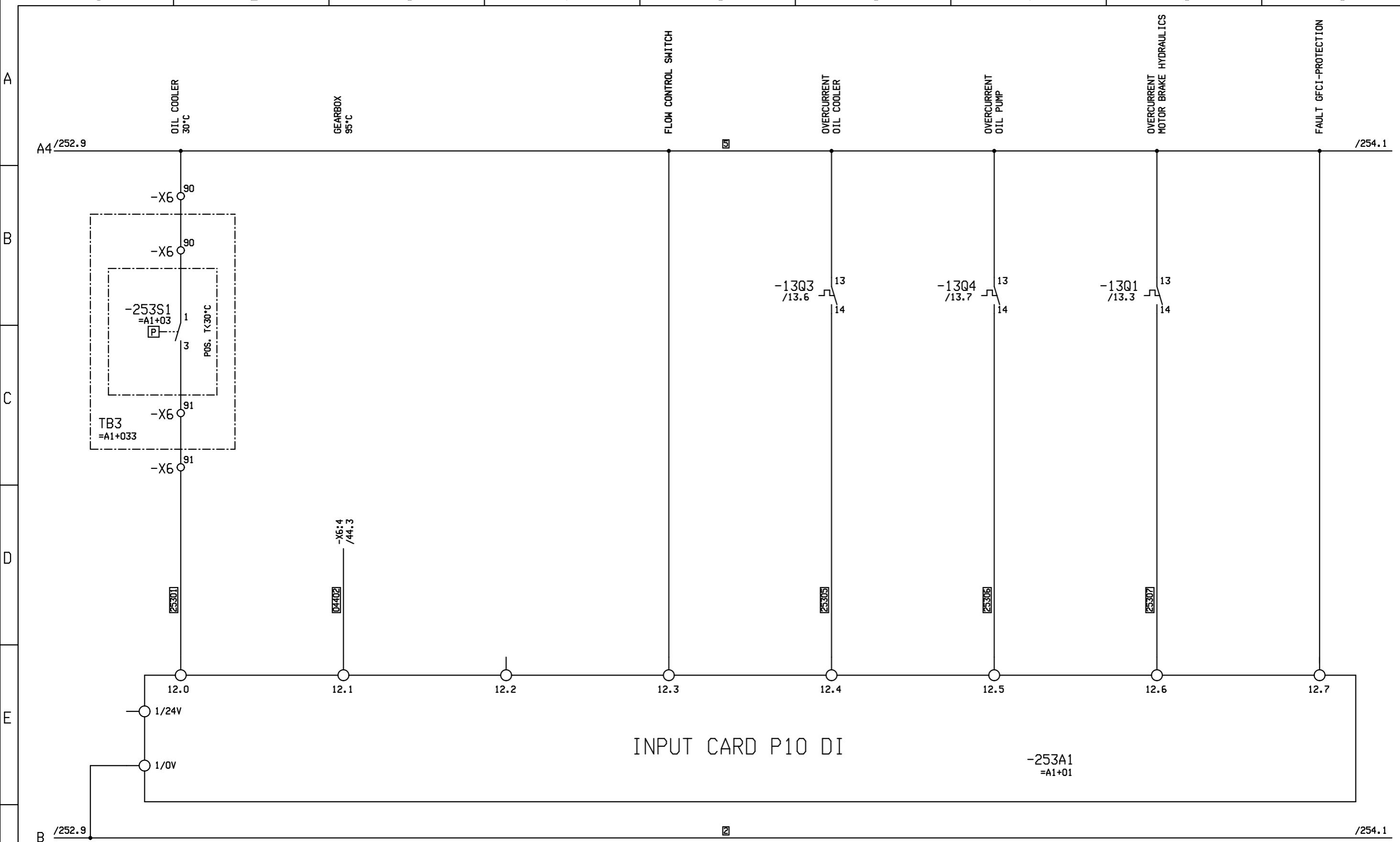


Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
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Innova Patent GmbH
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OUTPUT PLC (ST)		=A1+01
DRIVE STATION	LV-CONTROL	Date : 08.07.11
Sheet : 252	Cont.sheet: 253	



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INPUT PLC (ST)

DRIVE STATION

LV-CONTROL

=A1+01

Date 27.10.11

Sheet : 253

Cont.sheet: 254

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PLATFORM
PARK RAIL
UP
MOTOR 1PLATFORM
PARK RAIL
UP
MOTOR 2PLATFORM
PARK RAIL
LOWER
MOTOR 1PLATFORM
PARK RAIL
LOWER
MOTOR 2PLATFORM
PARK RAIL
UP
MOTOR 3PLATFORM
PARK RAIL
UP
MOTOR 4PLATFORM
PARK RAIL
LOWER
MOTOR 4

A4/253.9

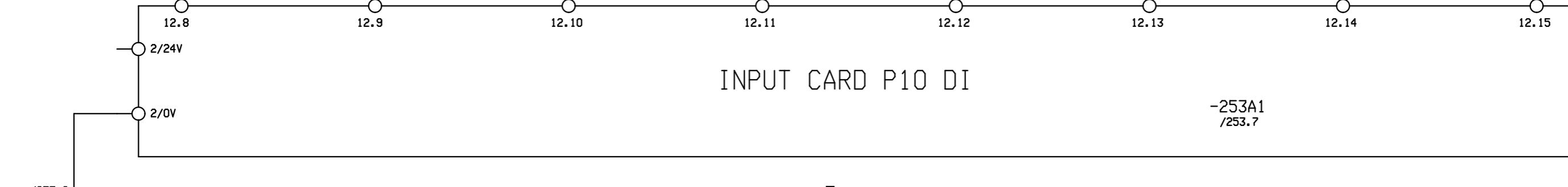
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Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	D Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>	=A1+01
Date	14.08.20	Dr.ch.by	Fhs			Date 21.04.11
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		INPUT PLC (ST)		DRIVE STATION		LV-CONTROL

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A4/254.9

PLATFORM
FEED RAIL
UP
MOTOR 1PLATFORM
FEED RAIL
UP
MOTOR 2PLATFORM
FEED RAIL
LOWER
MOTOR 1PLATFORM
FEED RAIL
LOWER
MOTOR 2PLATFORM
FEED RAIL
UP
MOTOR 3PLATFORM
FEED RAIL
UP
MOTOR 4PLATFORM
FEED RAIL
LOWER
MOTOR 3PLATFORM
FEED RAIL
LOWER
MOTOR 4

/256.1

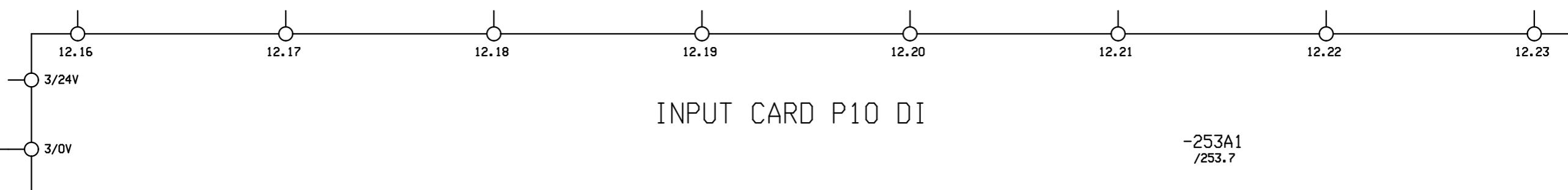
B

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B /254.9



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B /254.9

B /256.1

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Cont. sheet: 256

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INPUT PLC (ST)

DRIVE STATION

LV-CONTROL

=A1+01

Date 27.10.11

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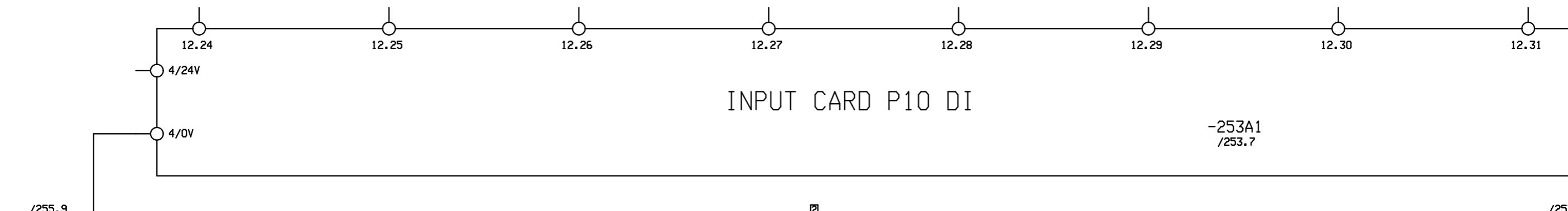
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/257.1

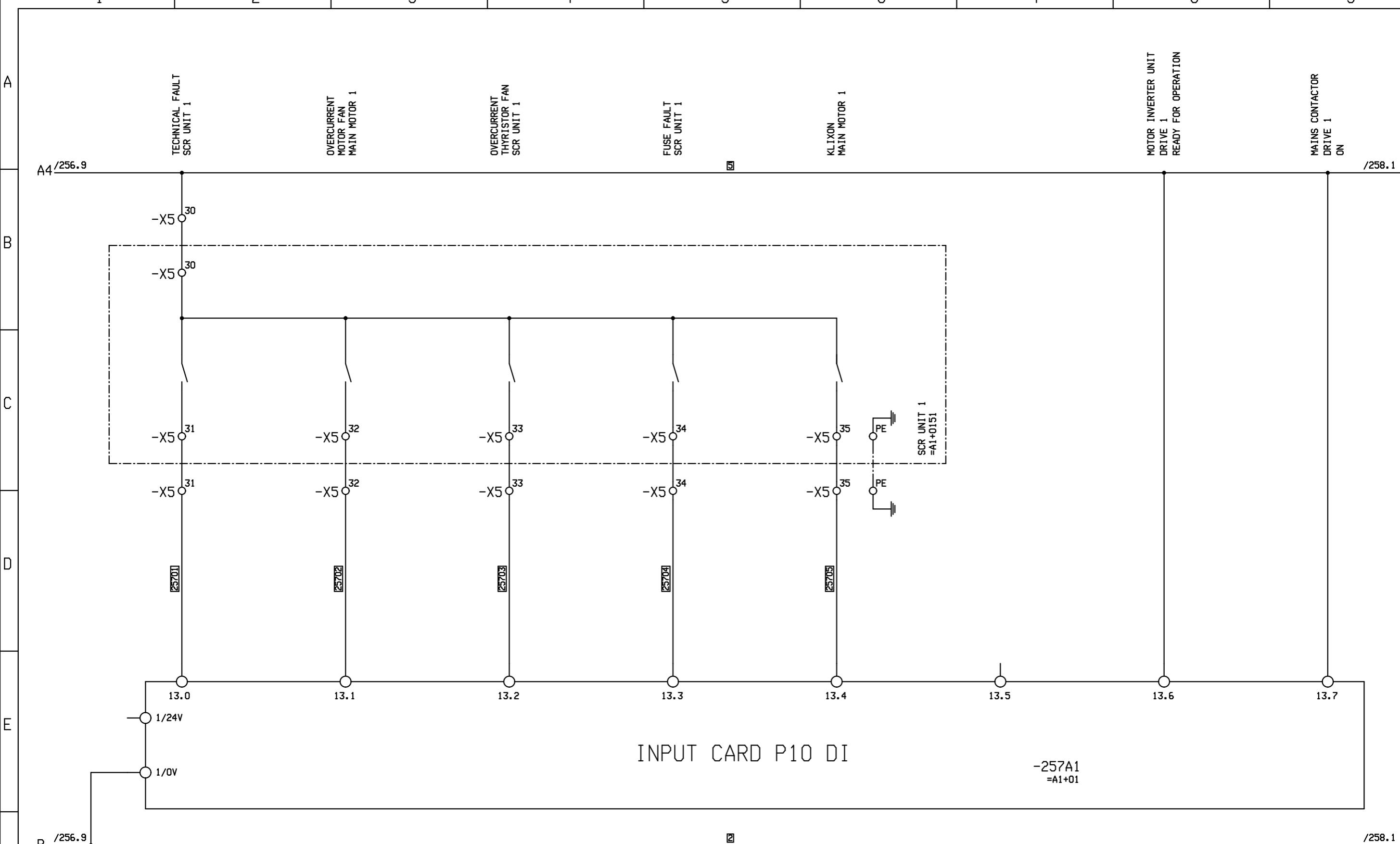
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Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
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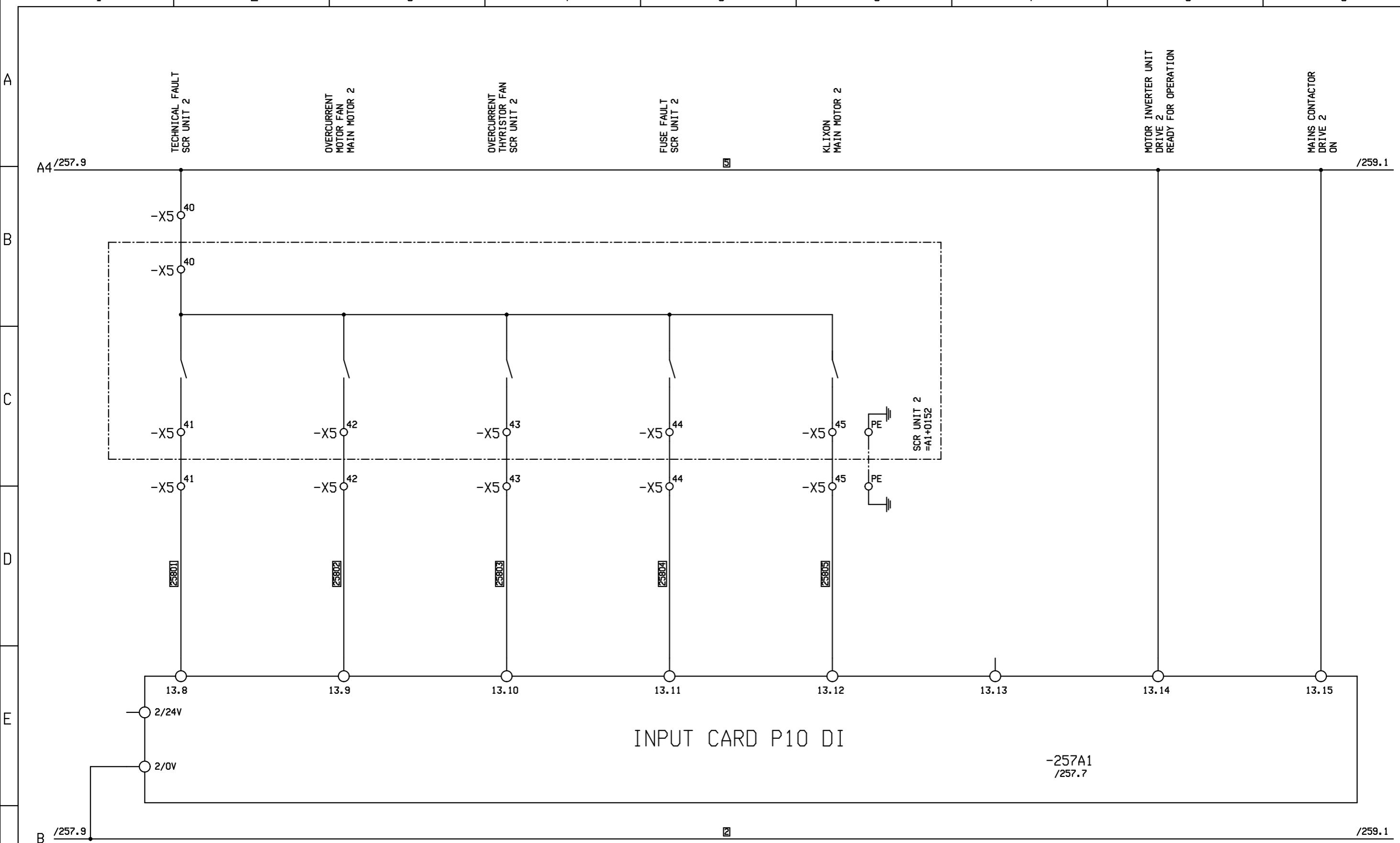
10-MGD BANA BIG ROPEWAY
WAA0002638
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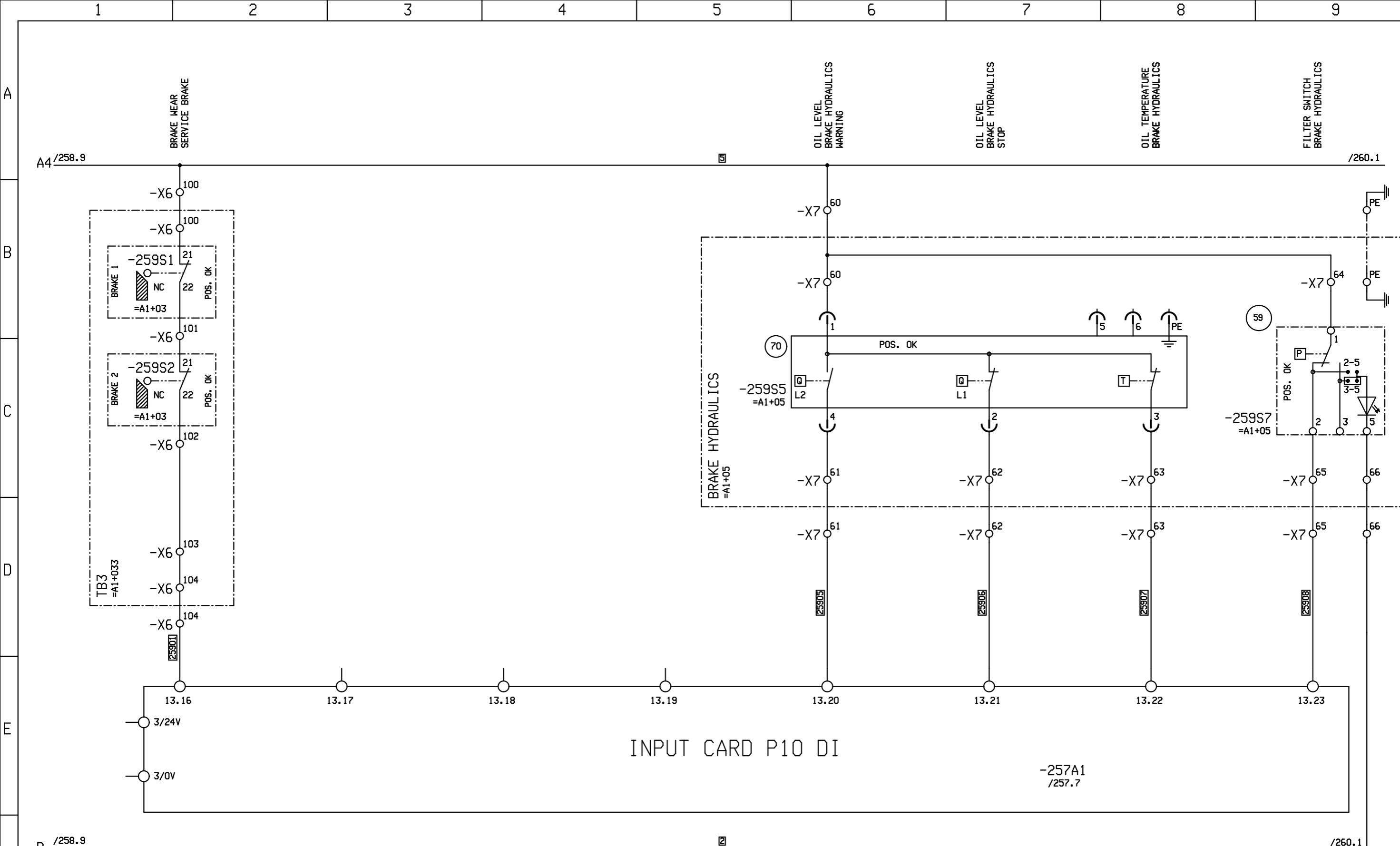
INPUT PLC (ST)	
DRIVE STATION	LV-CONTROL
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Date	14.08.20	Dr.ch.by	Fhs			DRIVE STATION	LV-CONTROL	Date 25.10.11
File: ANWAA2638						Sheet : 257	Cont.sheet: 258	

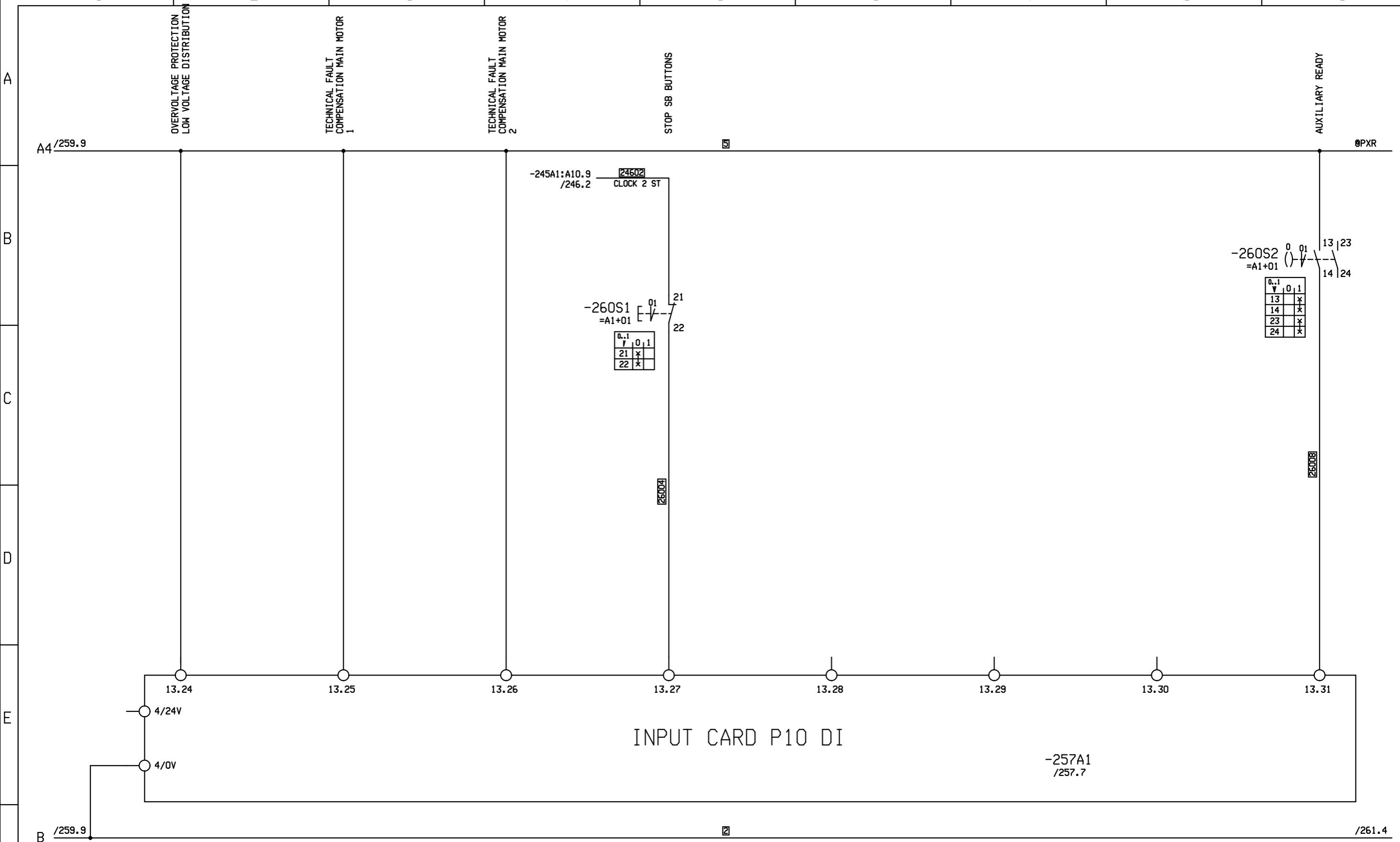


Revision	2.1	Drawn by	L0J	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (ST)	=A1+01
Date	14.08.20	Dr.ch.by	Fhs				Date 27.10.11
File:	ANWAA2638						Sheet : 258 Cont.sheet: 259

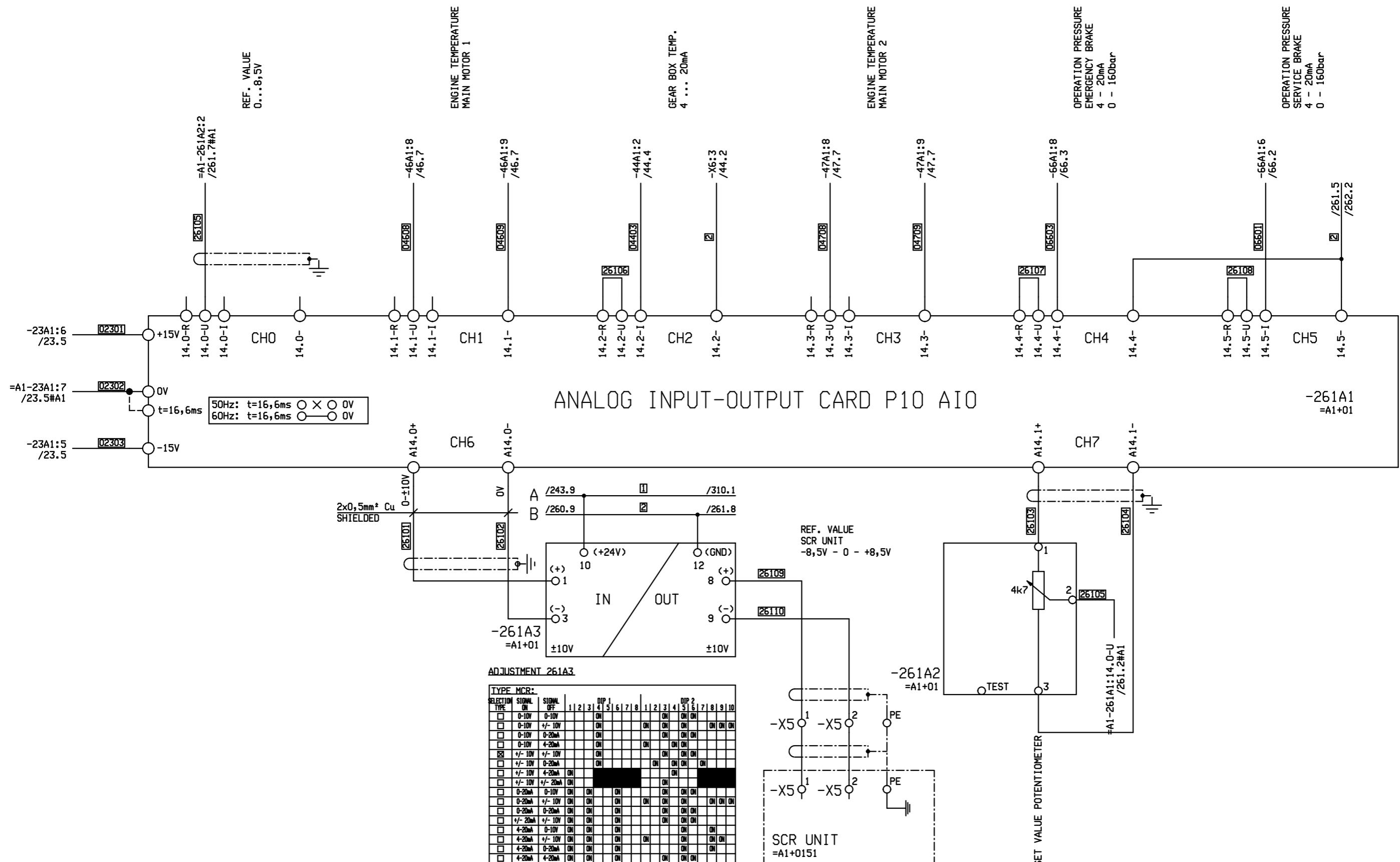


Revision	2.1	Drawn by	LOJ	10-MGD BANA BIG ROPEWAY WAA0002638 BANA / VIETNAM	 Doppelmayr [®] Innovia Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (ST)		=A1+01
Date	14.08.20	Dr.ch.by	Fhs			DRIVE STATION	LV-CONTROL	Date 08.07.11
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1 2 3 4 5 6 7 8 9



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Date	14.08.20	Dr.ch.by	Fhs			Date 11.09.13
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WAA0002638
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 ANALOG IN/OUTPUT PLC (ST)

DRIVE STATION

LV-CONTROL

=A1+Q1

22-11-1

et : 26

t. sheet: 262

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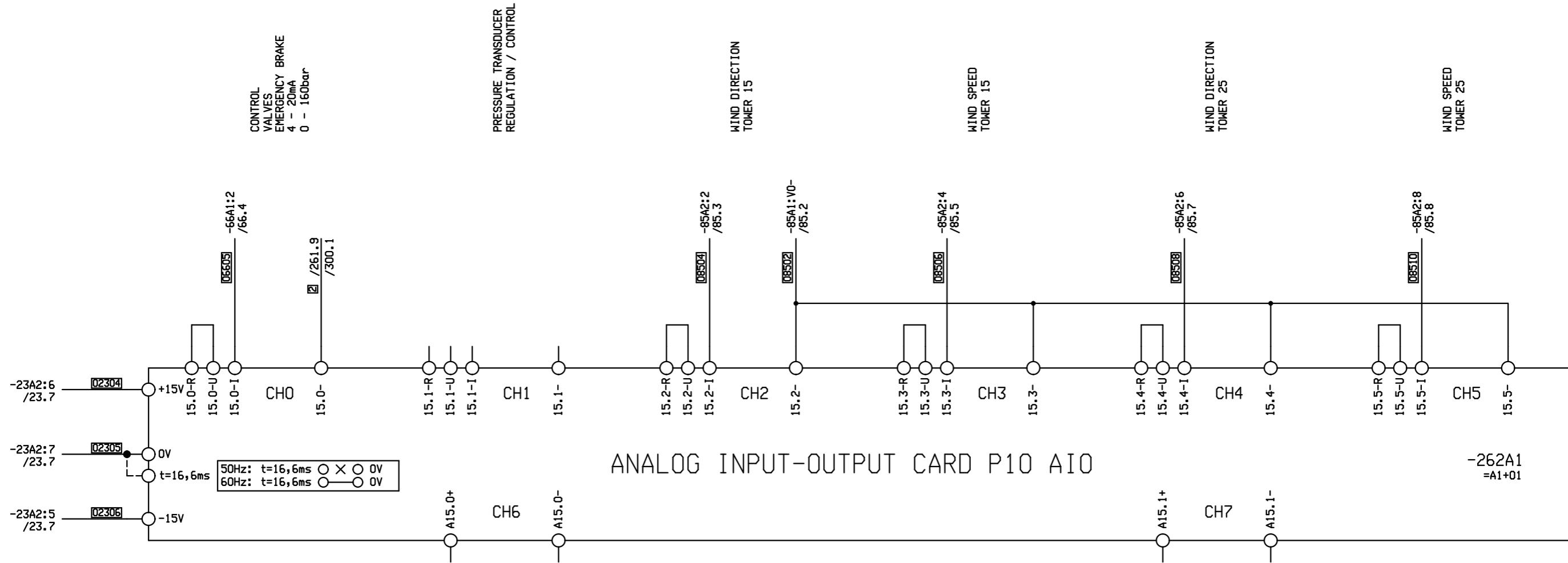
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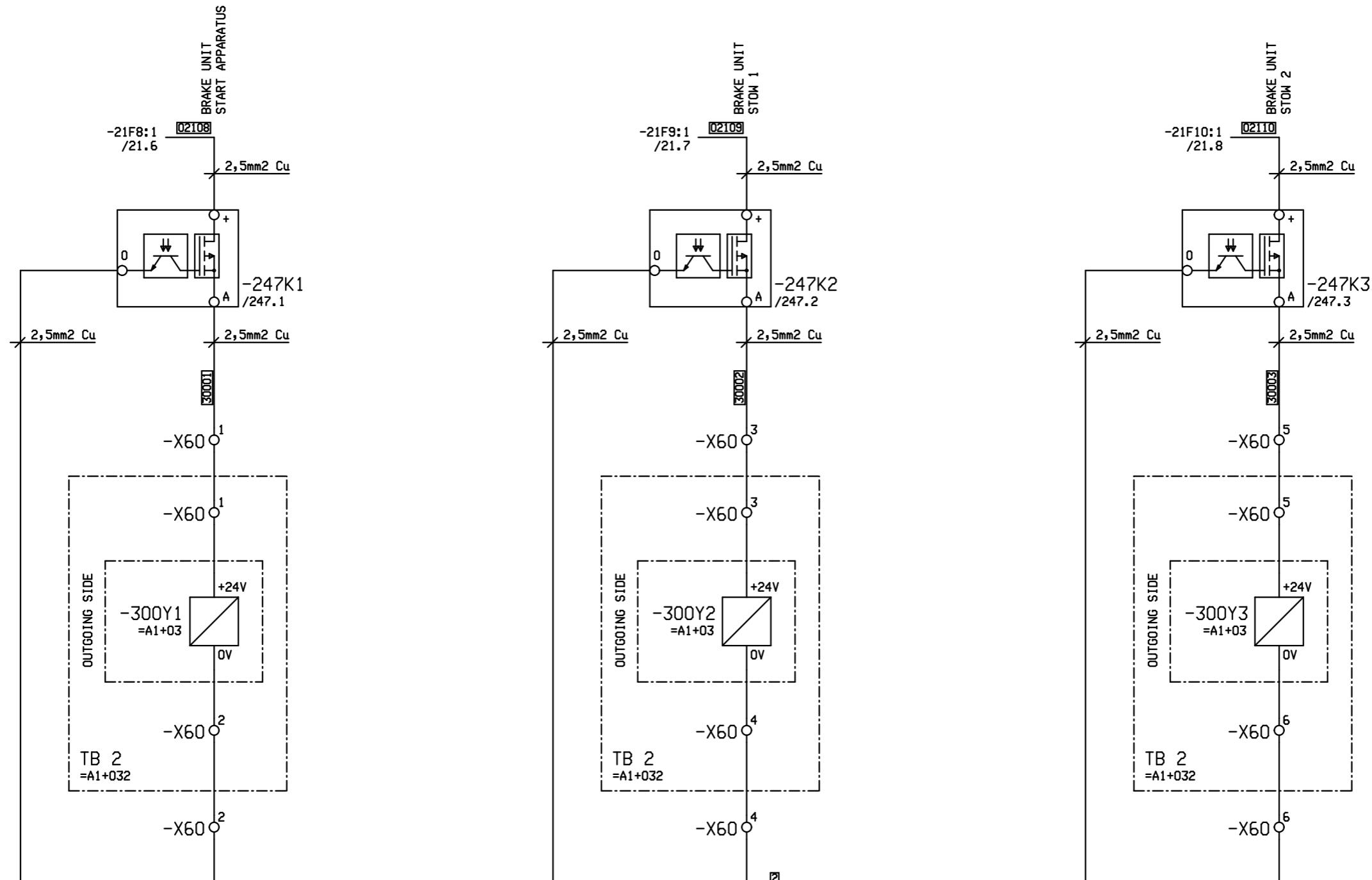
Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs

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WAA0002638

BANA / VIETNAM

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**ATTENTION**

THE MAIN SUPPLY WIRES OF THE SPACING CLUTCHES
Must be wired with 2.5 mm² copper.

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MAGNETIC CLUTCH

DRIVE STATION

LV-CONTROL

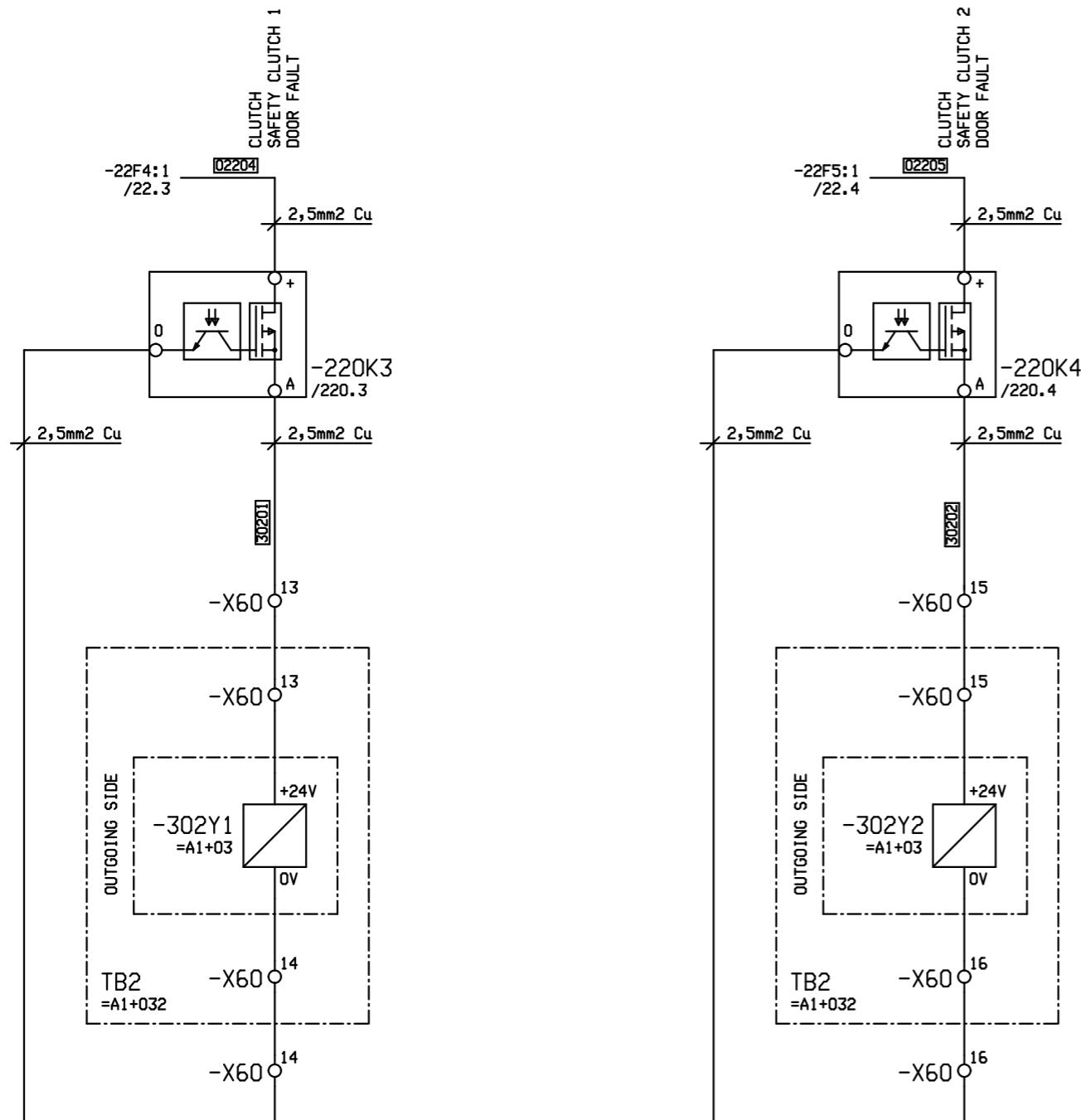
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Date 08.07.11

Sheet : 300

Cont.sheet: 302

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/310.1

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Revision	2.1	Drawn by	L0J
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® MAGNETIC CLUTCH

DRIVE STATION

LV-CONTROL

=A1+01

Date 26.04.11

Sheet : 302

Cont.sheet: 310

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A /261.5

TOTAL TRIPS

E

STOW 2
HOLD

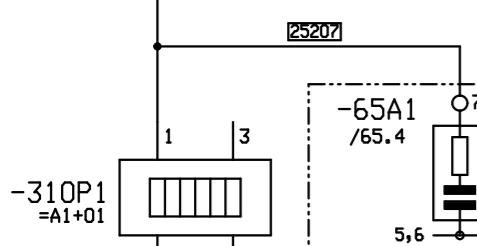
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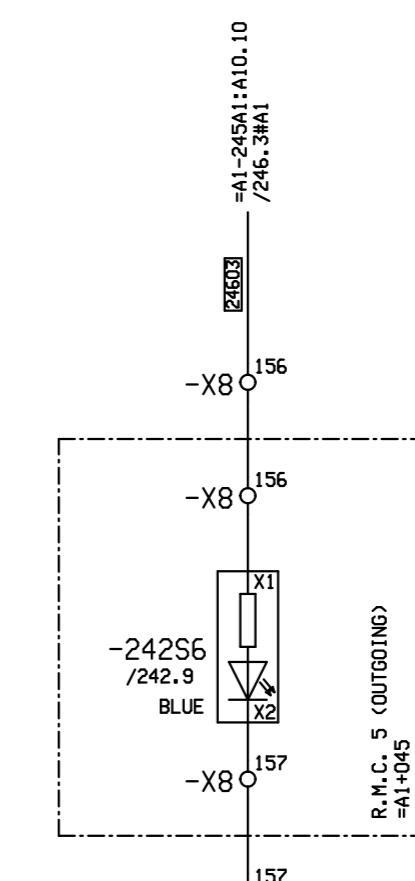
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Revision	2.1	Drawn by	L0J
Date	14.08.20	Dr.ch.by	Fhs
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DAILY / TOTAL COUNTER

DRIVE STATION

LV-CONTROL

=A1+01

Date 26.04.11

Sheet : 310

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A /310.9

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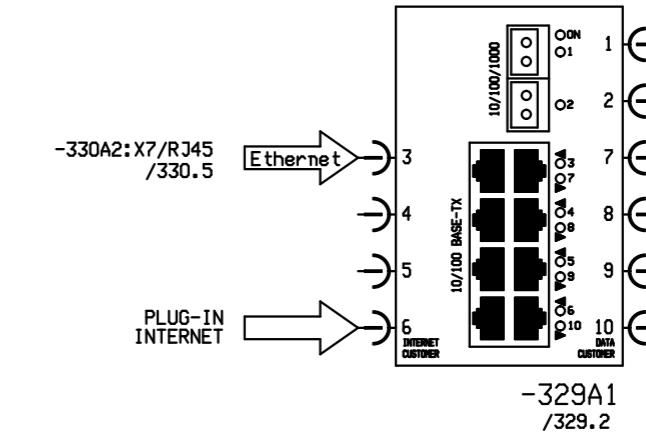
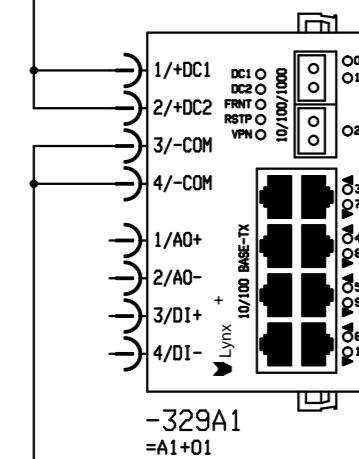
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MODEM

DRIVE STATION

LV-CONTROL

=A1+01

Date 15.03.12

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