

INDEX

A	1 / 1	INDEX	55 / 132	STATION CONVEYOR	109 / 245	OUTPUT PLC (ST)
	2 / 2	INFORMATION	56 / 133	STATION CONVEYOR	110 / 246	OUTPUT PLC (ST)
	3 / 3	CABLE RESERVATION AERIAL CABLE	57 / 134	STATION CONVEYOR	111 / 247	OUTPUT PLC (ST)
	4 / 5	CONTROL PANEL DIMENSIONS	58 / 160	CONTROL LIGHTS	112 / 248	OUTPUT PLC (ST)
	5 / 7	CONTROL PANEL DIMENSIONS	59 / 162	CONTROL LIGHTS	113 / 249	OUTPUT PLC (ST)
	6 / 10	CONTROL BOX LIGHT	60 / 168	CONTROL LIGHTS	114 / 250	OUTPUT PLC (ST)
	7 / 11	POWER SUPPLY 3X400/230V	61 / 169	CONTROL LIGHTS	115 / 251	OUTPUT PLC (ST)
	8 / 13	THREE-PHASE MOTORS	62 / 170	CONTROL LIGHTS	116 / 252	OUTPUT PLC (ST)
	9 / 16	FREQUENCY CONVERTER STATION CONVEYOR INCOMING	63 / 175	LOUDSPEAKER EQUIPMENT	117 / 253	INPUT PLC (ST)
	10 / 17	FREQUENCY CONVERTER STATION CONVEYOR OUTGOING	64 / 180	MOTORS - TYRE CONVEYOR DECELERATOR	118 / 254	INPUT PLC (ST)
	11 / 18	FREQUENCY CONVERTER PROCESSOR SPACING CURVED SECTION	65 / 182	MOTORS - TYRE CONVEYOR CURVED SECTION	119 / 255	INPUT PLC (ST)
	12 / 20	POWER SUPPLY 24V/DC	66 / 183	MOTORS - TYRE CONVEYOR CURVED SECTION	120 / 256	INPUT PLC (ST)
	13 / 21	CIRCUIT BREAKERS	67 / 184	MOTORS - TYRE CONVEYOR ACCELERATOR	121 / 257	INPUT PLC (ST)
	14 / 22	CIRCUIT BREAKERS	68 / 197	IN-OUTPUT MODULE BECKHOFF	122 / 258	INPUT PLC (ST)
	15 / 23	LOW VOLTAGE 24V/DC	69 / 200	POWER SUPPLY PC-SYSTEM	123 / 259	INPUT PLC (ST)
	16 / 24	FUSE FAULT	70 / 201	POWER SUPPLY PC-SYSTEM	124 / 260	INPUT PLC (ST)
	17 / 25	CONNECTIONS TO AUX. DRIVE	71 / 202	SAFETYBUS EXTENSION EW33	125 / 261	ANALOG IN/OUTPUT PLC (ST)
	18 / 26	CONNECTIONS TO AUX. DRIVE	72 / 205	ANALOG INPUT (FS)	126 / 262	ANALOG IN/OUTPUT PLC (ST)
	19 / 27	CONNECTIONS TO AUX. DRIVE	73 / 209	INPUT PLC (FS)	127 / 269	INPUT PLC BECKHOFF - TORQUE SUPPORT INCOMING
	20 / 40	CONNECTIONS FREQUENCY CONVERTER	74 / 210	INPUT PLC (FS)	128 / 270	INPUT PLC BECKHOFF - TORQUE SUPPORT OUTGOING
	21 / 44	GEAR BOX TEMP.	75 / 211	INPUT PLC (FS)	129 / 271	INPUT PLC BECKHOFF - PROCESSOR SPACING CURVED SECTION
	22 / 46	CONNECTIONS FREQUENCY CONV. - PANEL	76 / 212	INPUT PLC (FS)	130 / 285	SAFETYBUS EXTENSION E33.0 - E33.3 - TYRE CONVEYOR
	23 / 50	RESET BUTTONS	77 / 213	INPUT PLC (FS)	131 / 286	SAFETYBUS EXTENSION E33.4 - E33.7 - TYRE CONVEYOR
	24 / 56	RUN BUTTONS	78 / 214	INPUT PLC (FS)	132 / 287	SAFETYBUS EXTENSION E33.8 - E33.11 - TYRE CONVEYOR
	25 / 60	OUTPUT PLC BECKHOFF - TYRE CONVEYOR	79 / 215	INPUT PLC (FS)	133 / 288	SAFETYBUS EXTENSION E33.4 - E33.7 - TYRE CONVEYOR
	26 / 61	INPUT PLC BECKHOFF - BUTTONS - TYRE CONVEYOR	80 / 216	INPUT PLC (FS)	134 / 328	FIBER OPTIC CABLE - FIBER PATCH
	27 / 62	OUTPUT PLC BECKHOFF - CONTROL LIGHTS - TYRE CONVEYOR	81 / 217	INPUT PLC (FS)	135 / 329	MODEM
	28 / 63	INPUT PLC BECKHOFF - OVERCURRENT - TYRE CONVEYOR	82 / 218	INPUT PLC (FS)	136 / 330	TOUCH SCREEN
	29 / 65	BRAKE HYDRAULICS	83 / 219	OUTPUT PLC (FS)	137 / 350	RPD SUPPLY VOLTAGE
	30 / 66	BRAKE HYDRAULICS	84 / 220	OUTPUT PLC (FS)	138 / 351	RPD RELAY
	31 / 67	LIMIT SWITCH BRAKE	85 / 221	INPUT PLC (FS)	139 / 360	RPD CENTRAL UNIT PSS3047-3
	32 / 68	BRAKE HYDRAULICS	86 / 222	INPUT PLC (FS)	140 / 361	RPD OUTPUT PLC PSS 3047-3
	33 / 70	SLOW 1	87 / 223	INPUT PLC (FS)	141 / 363	RPD INPUT PLC PSS 3047-3
	34 / 73	SLOW 2	88 / 224	INPUT PLC (FS)	142 / 366	RPD LEVEL CONVERTER + FILTER
	35 / 76	TACHO	89 / 225	INPUT PLC (FS)	143 / 370	RPD ON LINE
	36 / 80	ROPE POSITION MONITORING	90 / 226	INPUT PLC (FS)	144 / 382	RPD JUNCTION DIAGRAM DRIVE BOTTOM
	37 / 84	ROPE POSITION MONITORING	91 / 227	OUTPUT PLC (FS)	145 / 383	RPD JUNCTION DIAGRAM DRIVE BOTTOM
	38 / 85	WIND WARNING	92 / 228	OUTPUT PLC (FS)	146 / 395	RPD SENSOR
D	39 / 95	CONNECTIONS RETURN STATION FIBER OPTIC CABLE - CONVERTER RECEIVER	93 / 229	INPUT PLC (FS)		
	40 / 96	CONNECTIONS RETURN STATION FIBER OPTIC CABLE - CONVERTER TRANSMITTER	94 / 230	INPUT PLC (FS)		
	41 / 103	FIBER OPTIC CABLE - CONVERTER TRANSMITTER RECEIVER	95 / 231	INPUT PLC (FS)		
	42 / 104	FIBER OPTIC CABLE - CONVERTER	96 / 232	INPUT PLC (FS)		
	43 / 105	TELEPHONE	97 / 233	INPUT PLC (FS)		
	44 / 106	TELEPHONE	98 / 234	OUTPUT PLC (FS)		
	45 / 107	SIGNAL BUTTONS	99 / 235	INPUT PLC (FS)		
	46 / 108	SIGNAL	100 / 236	INPUT PLC (FS)		
	47 / 111	MAINTENANCE LOCK OUT	101 / 237	INPUT PLC (ST)		
	48 / 120	STOP BUTTONS	102 / 238	INPUT PLC (ST)		
	49 / 122	EMERG. STOP BUTTONS	103 / 239	INPUT PLC (ST)		
	50 / 123	STOP EB BUTTONS	104 / 240	INPUT PLC (ST)		
	51 / 125	RELAY	105 / 241	INPUT PLC (ST)		
	52 / 129	RELAY	106 / 242	INPUT PLC (ST)		
	53 / 130	STATION CONVEYOR	107 / 243	INPUT PLC (ST)		
	54 / 131	STATION CONVEYOR	108 / 244	INPUT PLC (ST)		

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Revision 2.0 Drawn by SST

10-MGD BaNa5

WAA0004186

DANANG / VIETNAM

File: ANWAA4186



Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

INDEX[®]

DRIVE STATION

LV-CONTROL

=A1+01

Date 04.05.17

Sheet : 1

Cont.sheet: 2

LOCATION:

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

01 ... CONTROL PANEL
 02 ...
 03 ... STATION
 04 ... REMOTE CONTROL
 05 ... TERMINAL BOX EMERGENCY DRIVE
 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... DESKTOP CONTROL PANEL CONTROL ROOM 1
 051... TELEPHONE CONNECTOR MACHINE ROOM
 052... TELEPHONE CONNECTOR THYRISTOR ROOM
 055... DESKTOP CONTROL PANEL CONTROL ROOM 2
 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
 0500.. BRAKE HYDRAULICS
 0502.. TERMINAL BOX BRAKE HYDRAULICS

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

Revision

2.0

Drawn by

SST

Date

13.10.16

Dr.ch.by

Fma

10-MGD BaNa5

WAA0004186

DANANG / VIETNAM



Innova Patent GmbH
 A-6960 WOLFURT / AUSTRIA



INFORMATION

File: ANWAA4186

=A1+01

Date 07.04.16

DRIVE STATION

LV-CONTROL

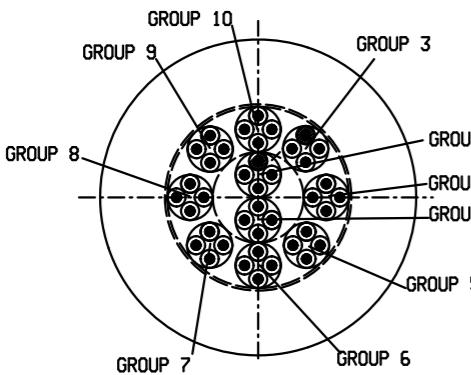
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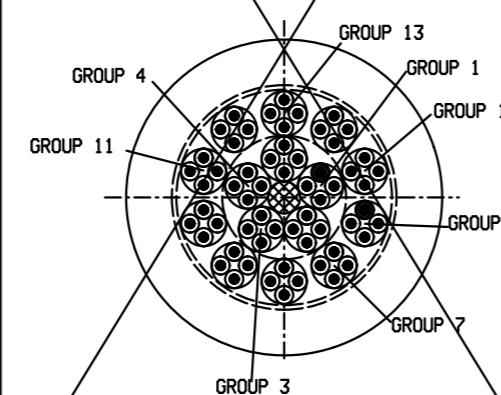
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CROSS SECTIONS TELEPHONE CABLE

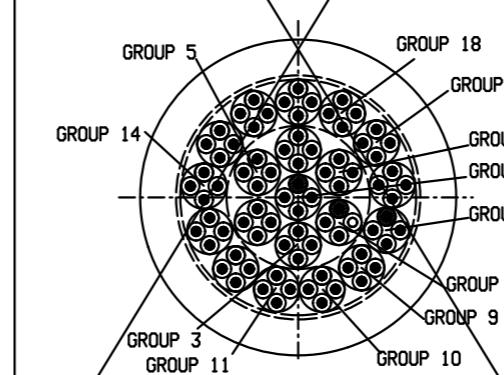
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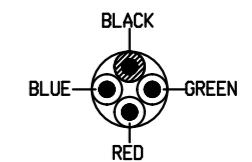


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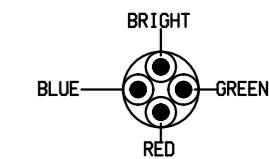


VIEW FROM DRIVE STATION :
CLOCKWISE!

F-2YA2Y 40x2x0,5:	GROUP 1/2/8
F-2YA2Y 30x2x0,5:	GROUP 1/6
F-2YA2Y 20x2x0,5:	GROUP 1/3
F-2YA2Y 10x2x0,8:	GROUP 1
F-2YA2Y 6x2x0,8:	GROUP 1



F-2YA2Y 40x2x0,5:	GROUP 3/4/5/6/7/9/10/11/12/13/14/15/16/17/18/19/20
F-2YA2Y 30x2x0,5:	GROUP 2/5/4/5/7/8/9/10/11/12/13/14/15
F-2YA2Y 20x2x0,5:	GROUP 2/4/5/7/8/9/10
F-2YA2Y 10x2x0,8:	GROUP 2/3/4/5
F-2YA2Y 6x2x0,8:	GROUP 2/3



B

C

D

E

F

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Date	13.10.16	Dr.ch.by	Fma
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CABLE RESERVATION AERIAL CABLE

DRIVE STATION

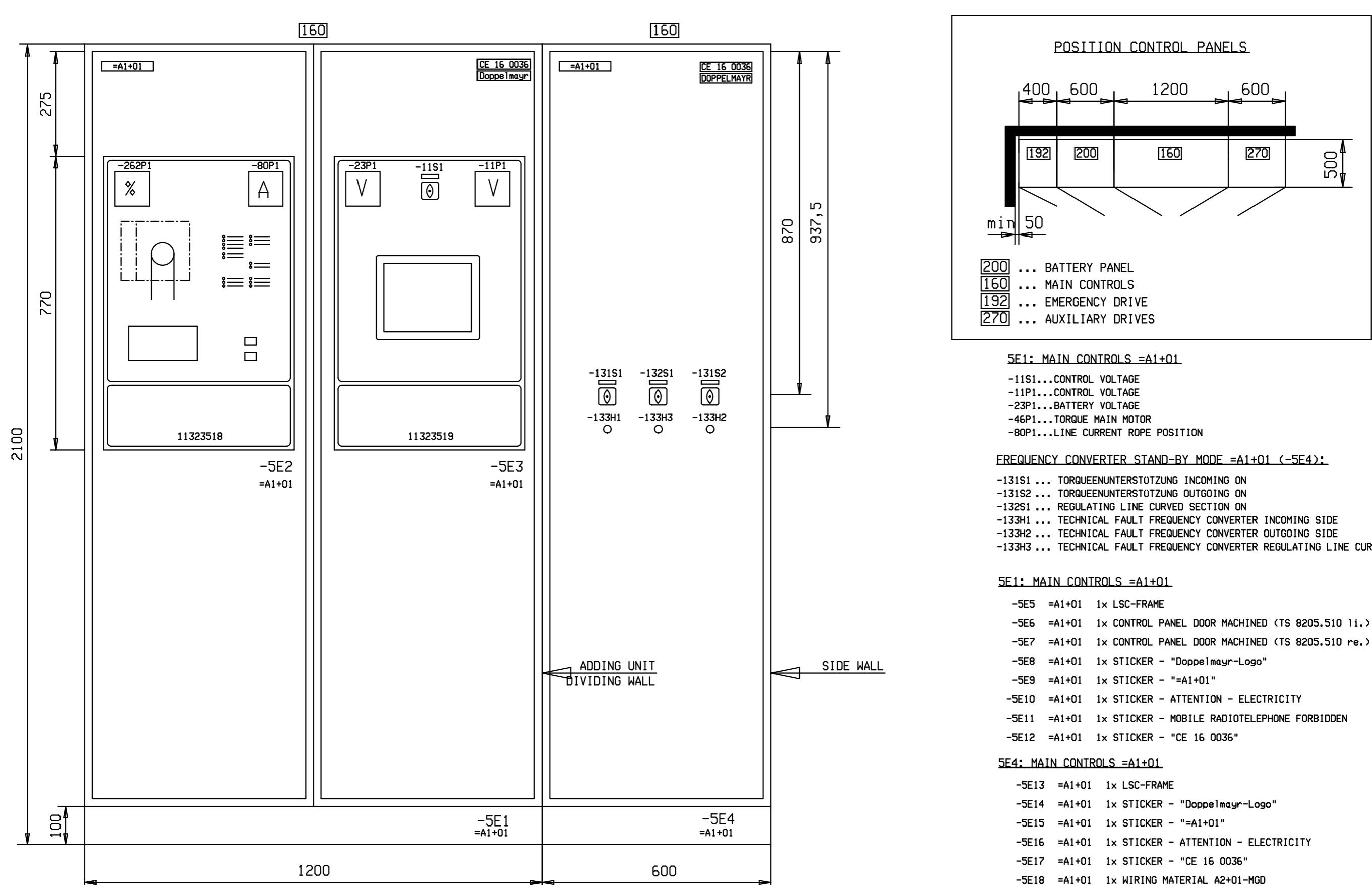
LV-CONTROL

=A1+01

Date 20.04.16

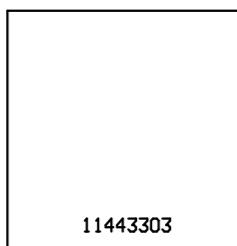
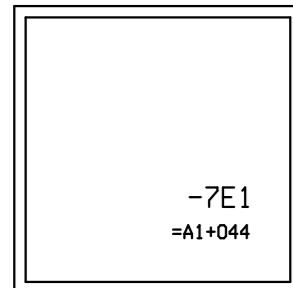
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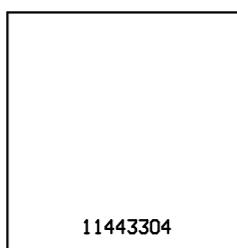
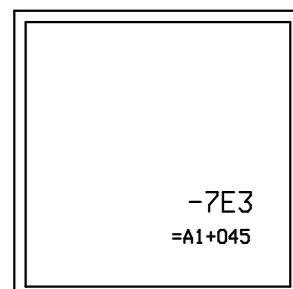


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Date	13.10.16	Dr.ch.bv	Fma
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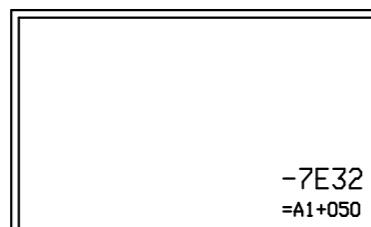
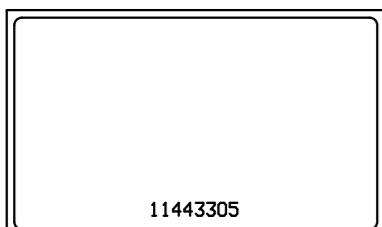
85



-7E2
=A1+044
-7E31 =A1+044 1x WIRING MATERIAL 044 / 055

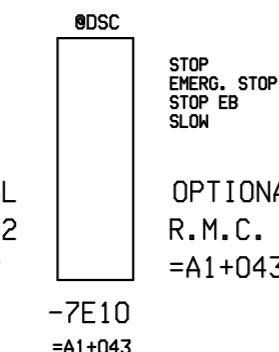
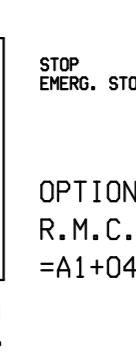
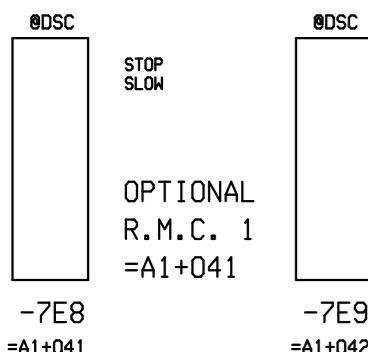


-7E4
=A1+045
-7E32 =A1+045 1x WIRING MATERIAL 044 / 055



-7E5
=A1+050
-7E6 =A1+050 1x WIRING MATERIAL 044 / 055

DESKTOP CONTROL PANEL
CONTROL ROOM 1
=A1+050

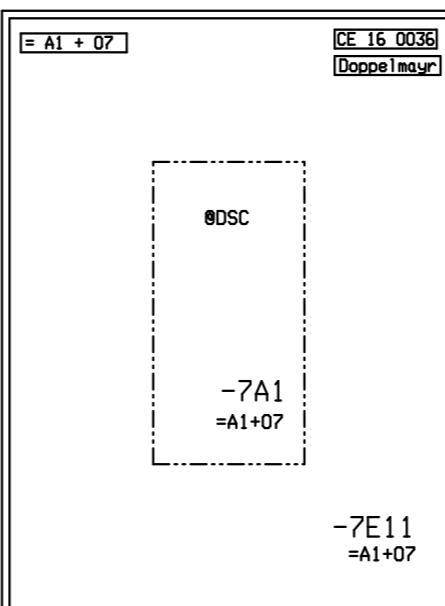


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Date 13.10.16 Dr.ch.bv Fma
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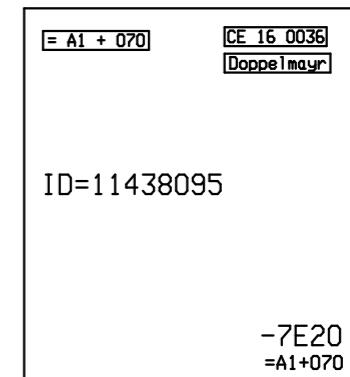
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WAA0004186
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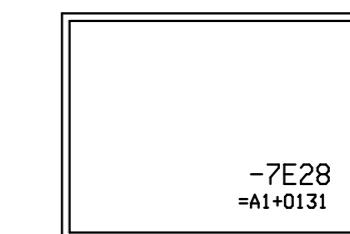
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=A1+07
TERMINAL BOX FIBRE OPTIC < STATION >
=A1+070



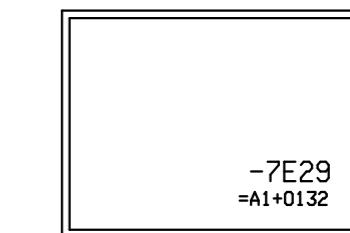
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-7E13 =A1+07 1x STICKER - "=A1+07"
-7E14 =A1+07 1x STICKER - "Doppelmayr-Logo"
-7E15 =A1+07 1x MOUNTING PLATE MACHINED



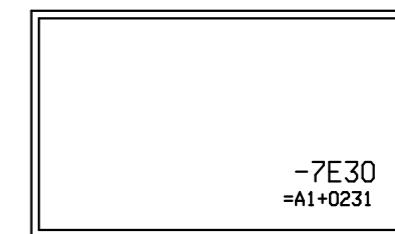
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=A1+070
-7E21 =A1+070 1x STICKER - CE
-7E22 =A1+070 1x STICKER - "=A1+070"
-7E23 =A1+070 1x STICKER - "Doppelmayr-Logo"



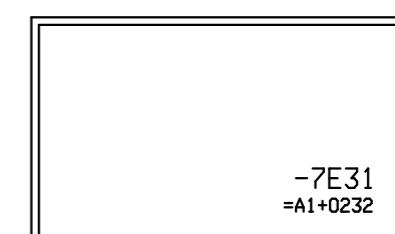
TERMINALBOX TB1
=A1+031



TERMINALBOX TB12
=A1+0132

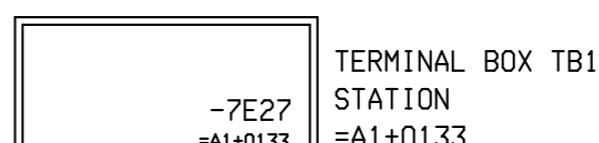
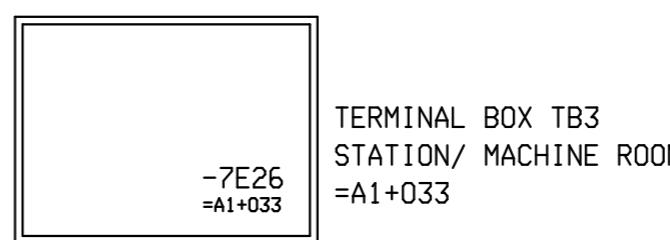
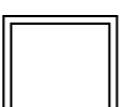
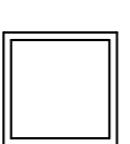


TERMINAL BOX
-5761
INCOMING
=A1+0231



TERMINAL BOX
-5761
OUTGOING
=A1+0232

-7E18 =A1+051
-7E19 =A1+052



TERMINAL BOX TB3
STATION/ MACHINE ROOM
=A1+033

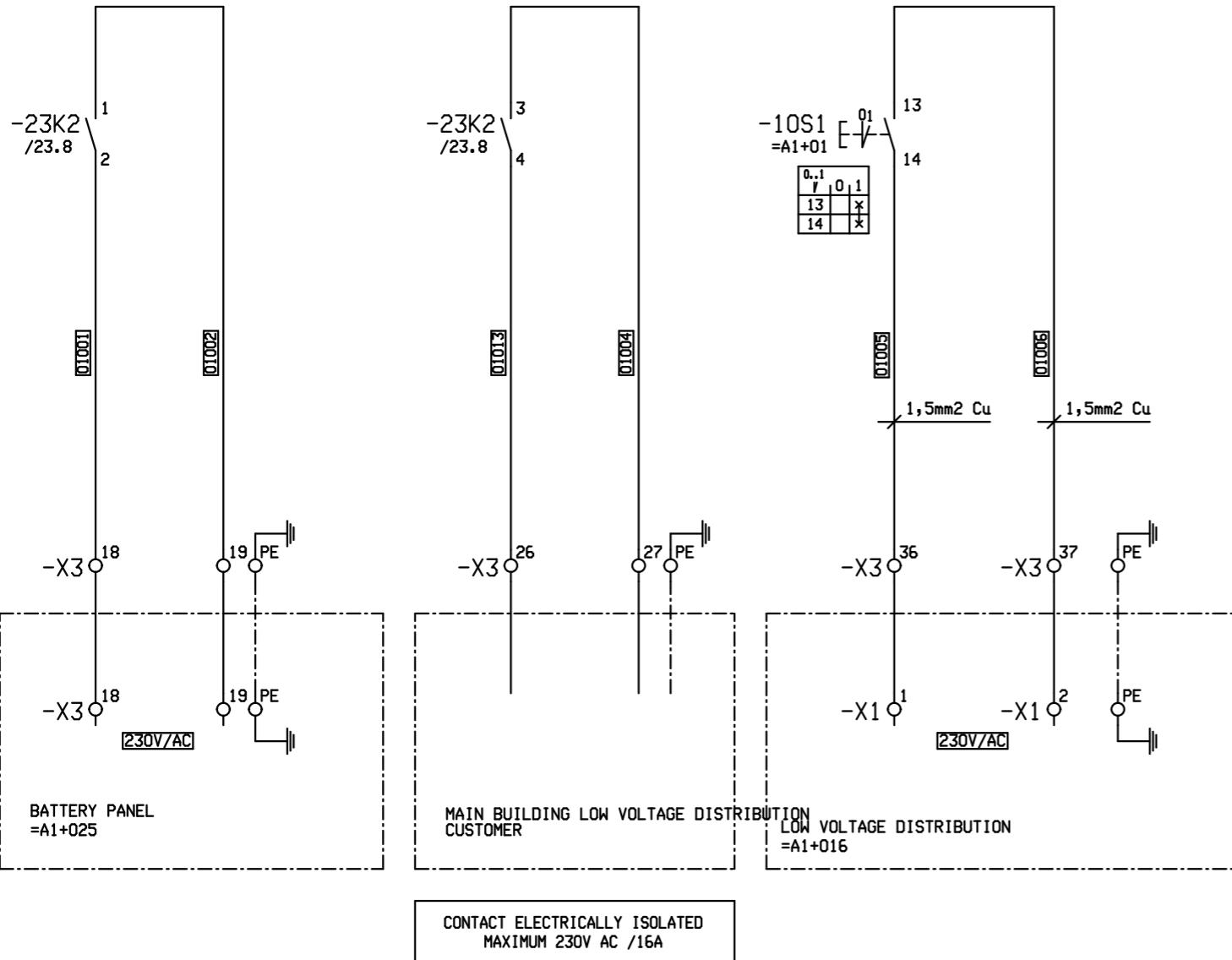
TERMINAL BOX TB13
STATION
=A1+0133

A

DRIVE STATION UNMANNED
LIGHTING ON
LINE PROJECTORDRIVE STATION UNMANNED
LIGHTING ON
LOADING / UNLOADING AREALOAD-BREAK SWITCH
REMOTE RELEASE

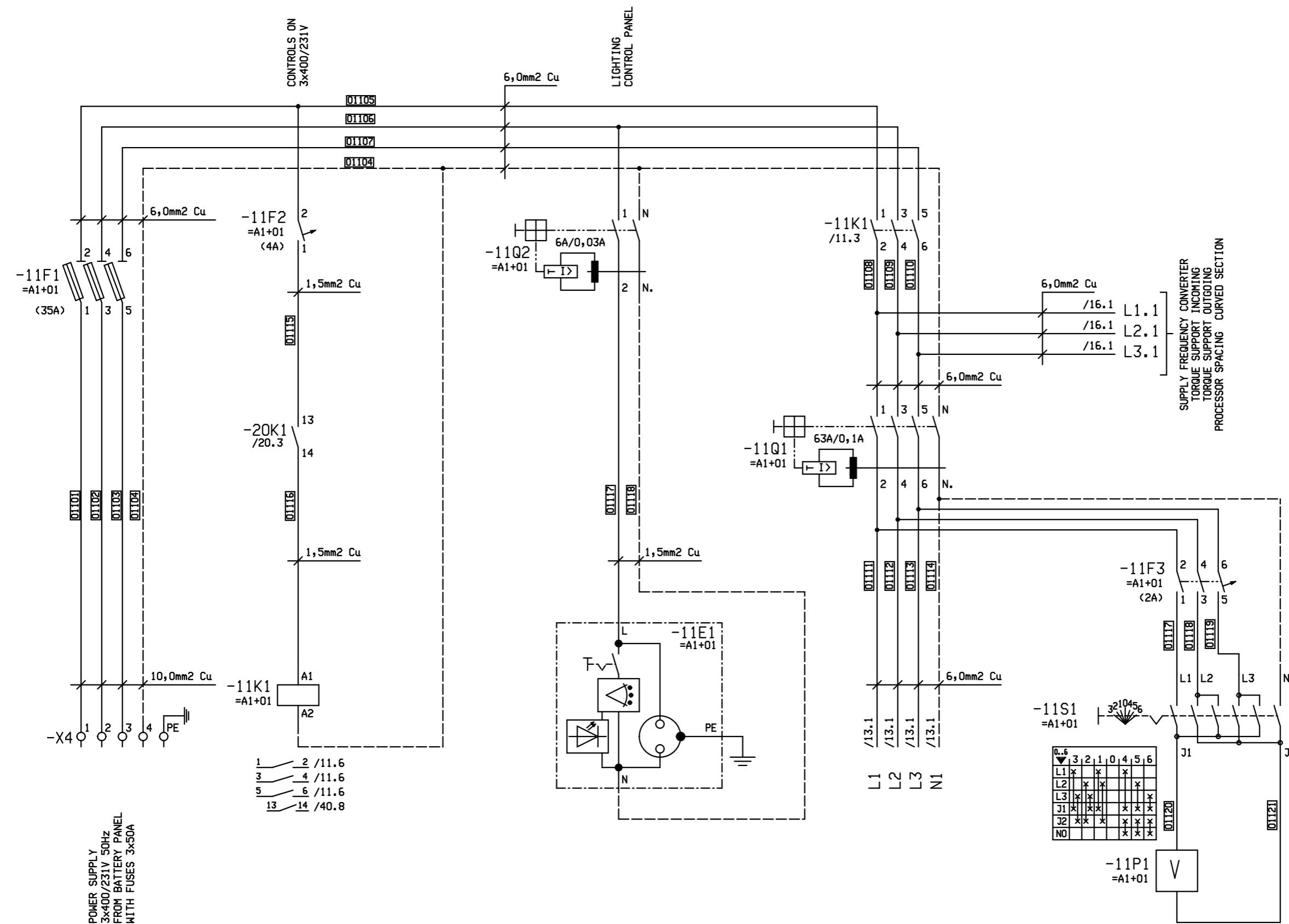
RESERVE

RESERVE



Revision	2.0	Drawn by	SST	=A1+01					
Date	13.10.16	Dr.ch.bv	Fma						
File: ANWAA4186		Doppelmayr® CONTROL BOX LIGHT							
10-MGD BaNa5 WAA0004186 DANANG / VIETNAM		DRIVE STATION							
Innova Patent GmbH A-6960 WOLFURT / AUSTRIA		LV-CONTROL							
Sheet : 10 Cont.sheet: 11									

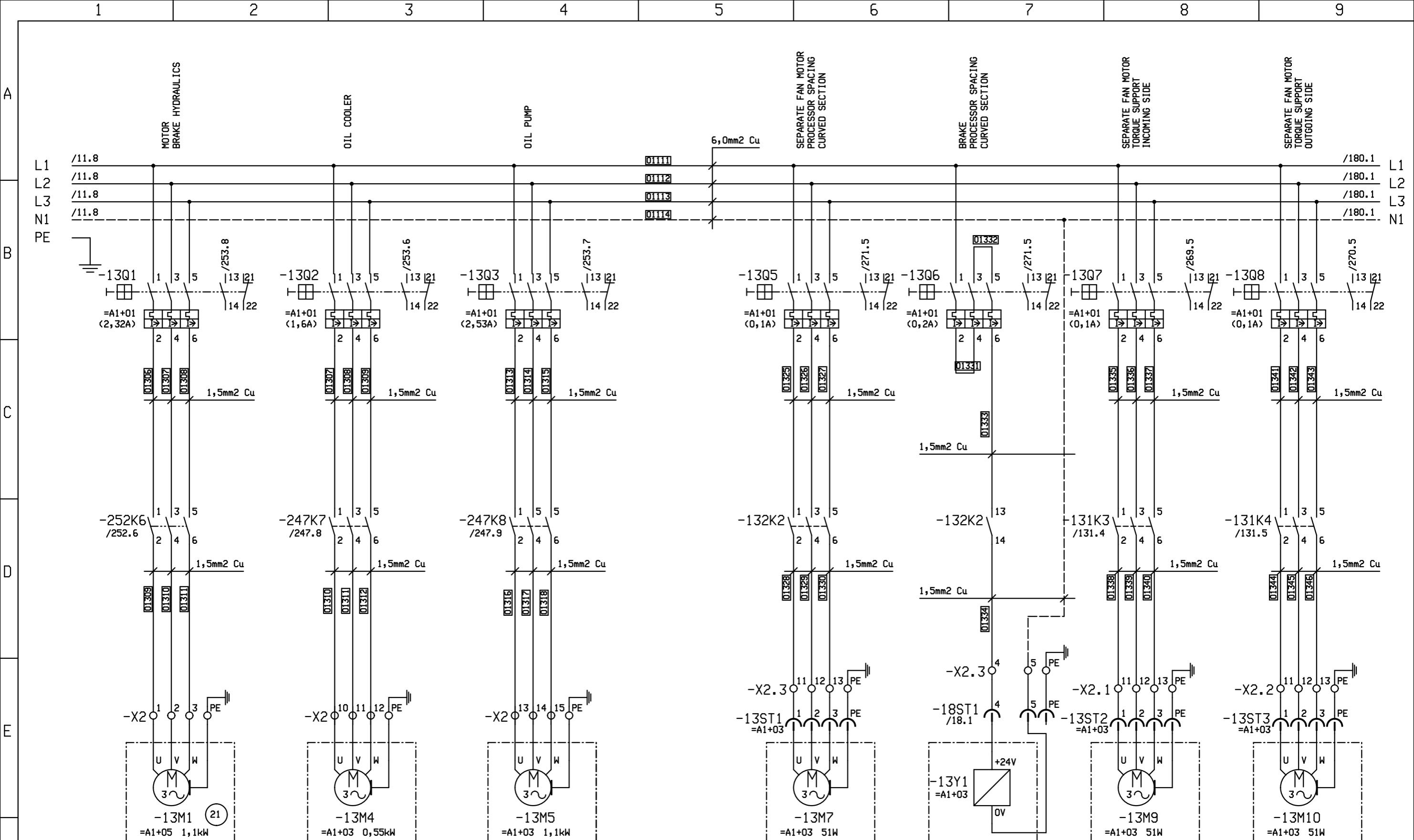
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Revision	2.0	Drawn by	SST
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1 2 3 4 5 6 7 8 9



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Date	13.10.16	Dr.ch.bv	Fma

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THREE-PHASE MOTORS

DRIVE STATION

LV-CONTROL

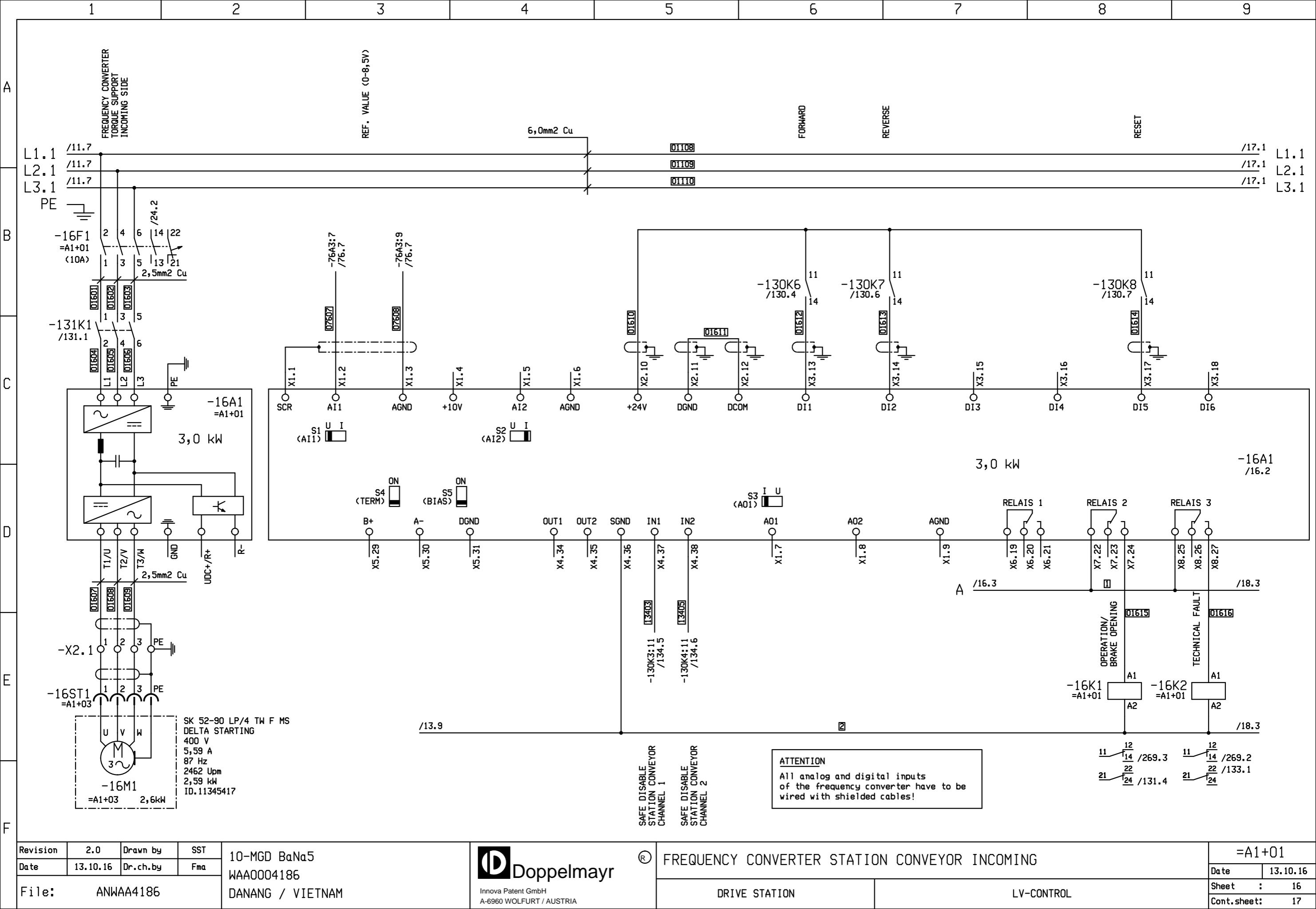
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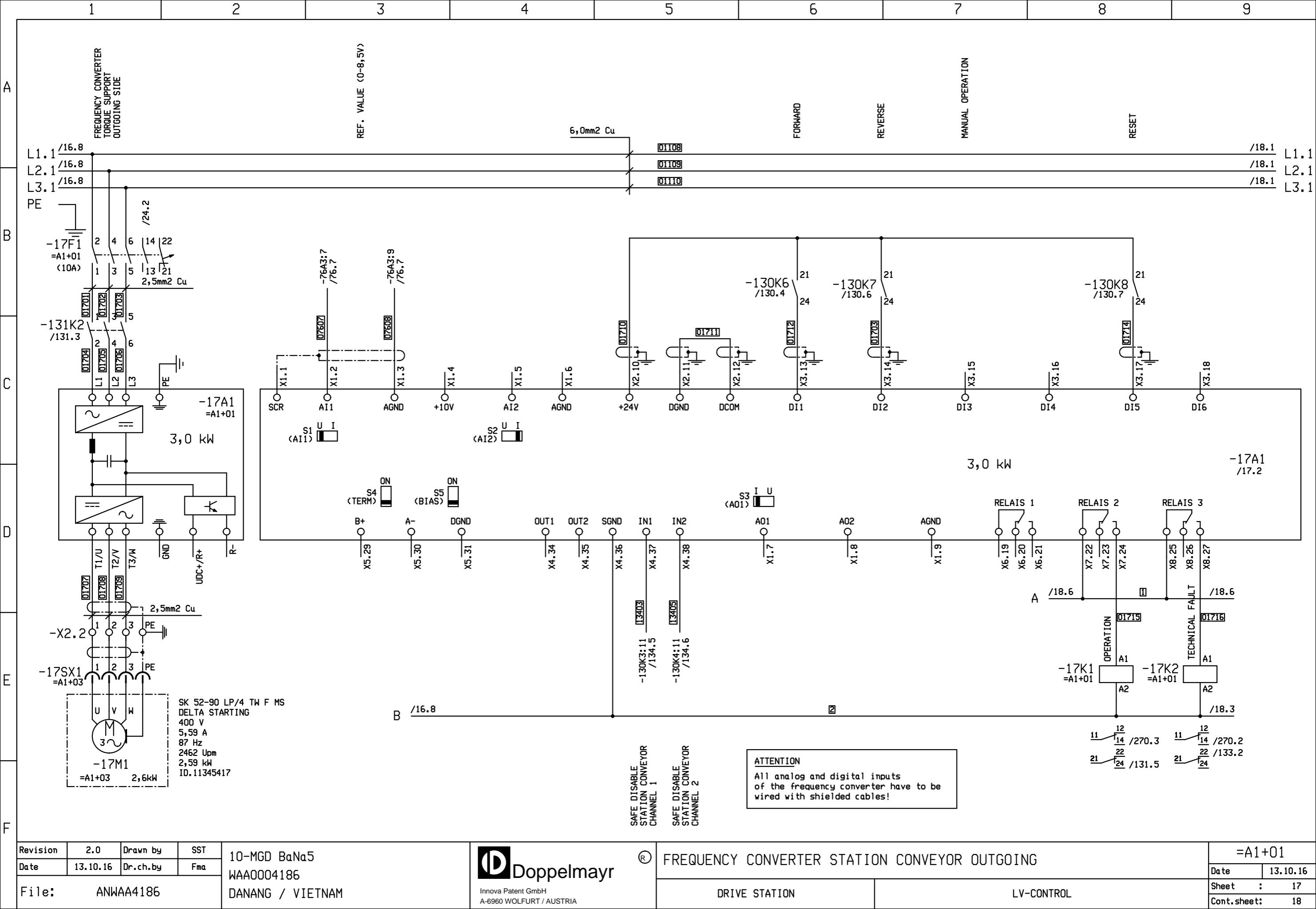
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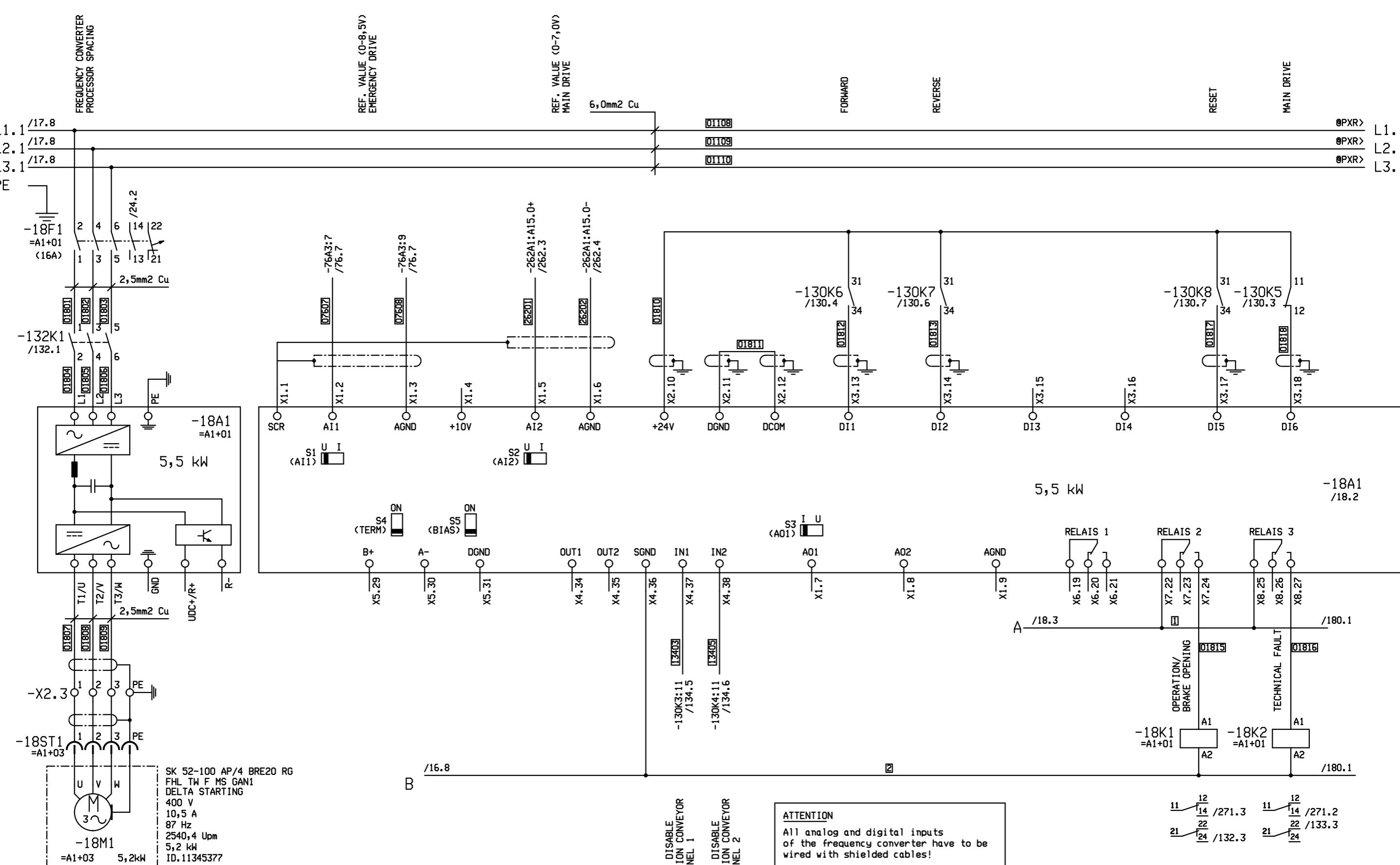
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File: ANWAA4186







Revision 2.0 Drawn by SST 10-N

MGD BaNa5

0004186

VIETNAM



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⑧ FREQUENCY CONVERTER PROCESSOR SPACING CURVED SECTION

DRIVE STATION

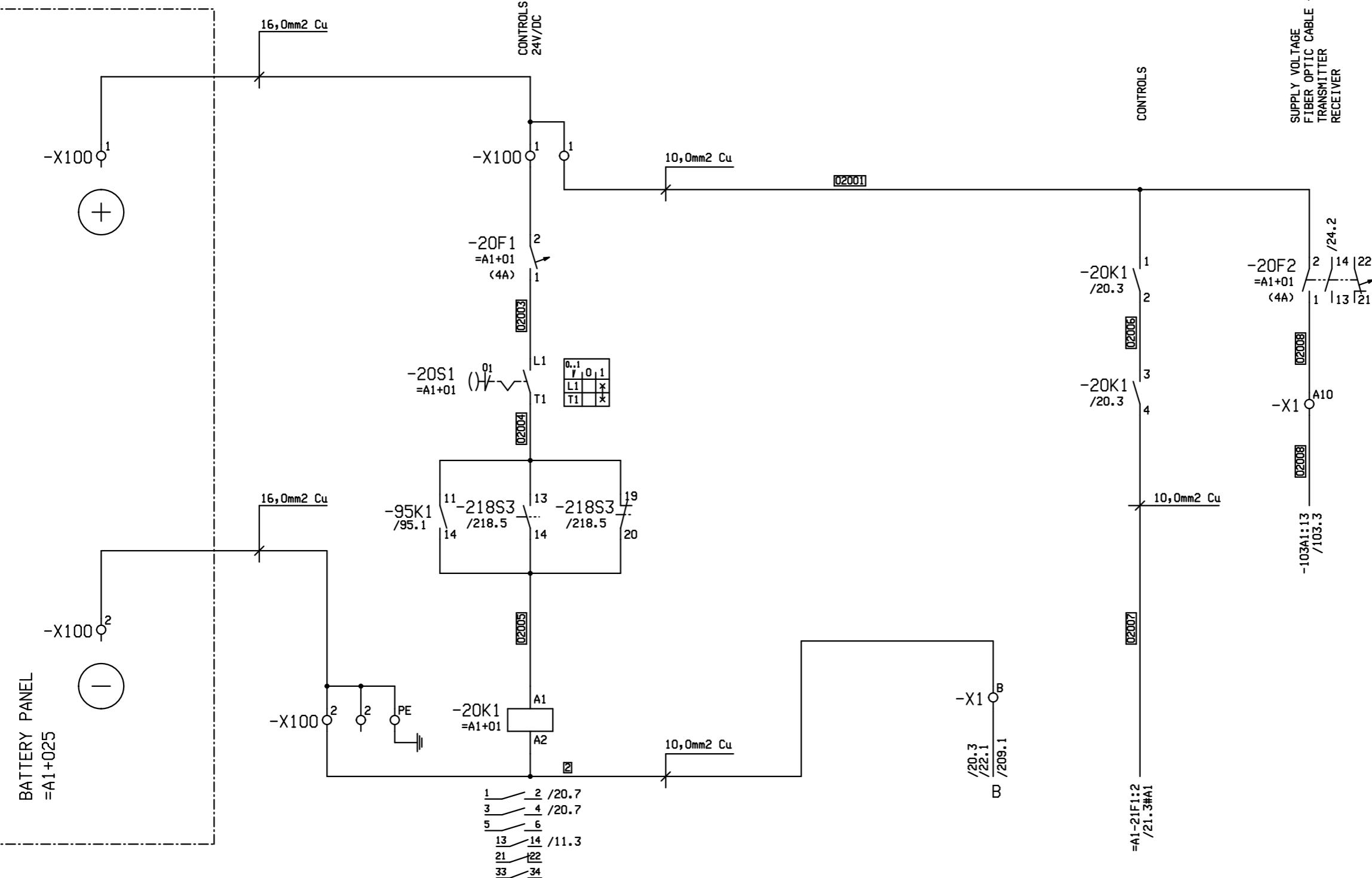
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=A1+Q1

13 10 16

et : :

t. sheet: 2



Revision	2.0	Drawn by	SST
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File: ANWAA4186			

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Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA



POWER SUPPLY 24V/DC

DRIVE STATION

LV-CONTROL

=A1+01

Date 20.04.16

Sheet : 20

Cont.sheet: 21

A

B

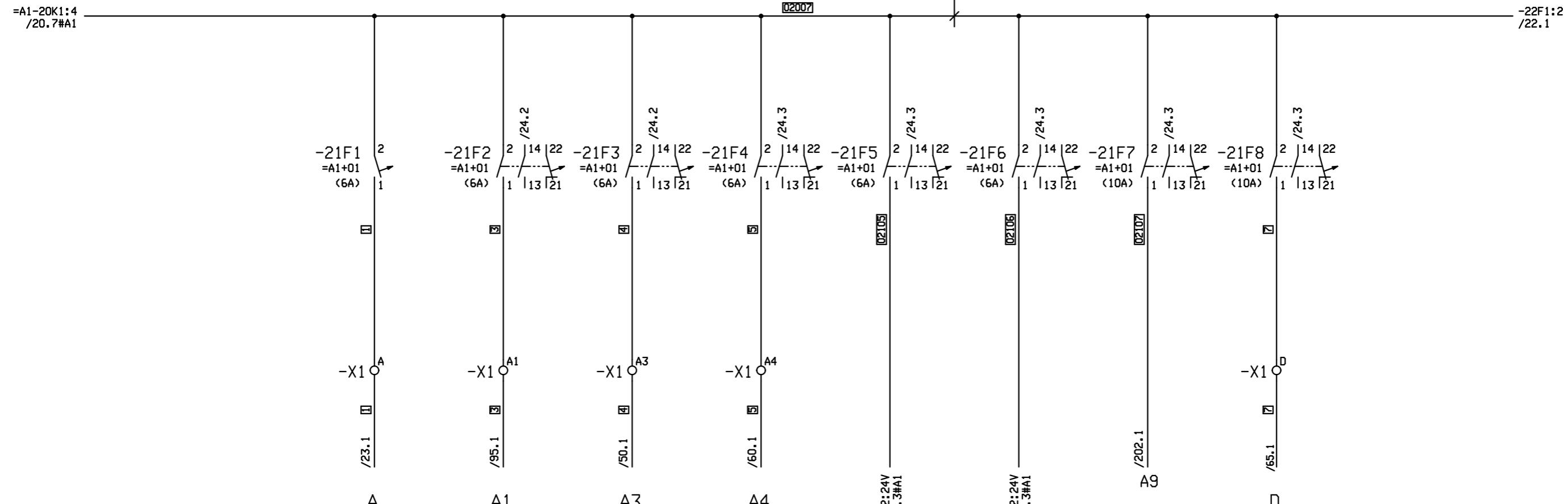
C

D

E

F

CONTROLS

CONTROLS
ON LINECONTROLS
SPS FSCONTROLS
SPS STSUPPLY VOLTAGE
SPS FSSUPPLY VOLTAGE
ST RACK 1SUPPLY VOLTAGE
PSSuSUPPLY VOLTAGE
BRAKE HYDRAULICS

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

File: ANWAA4186

 Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA



CIRCUIT BREAKERS

DRIVE STATION

LV-CONTROL

=A1+01

Date 19.04.16

Sheet : 21

Cont.sheet: 22

A

B

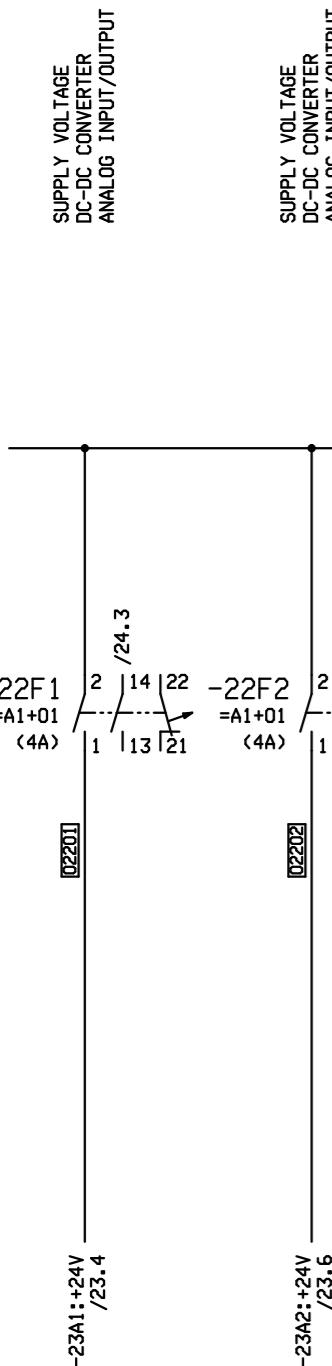
C

D

E

B /20.6

/23.1



SUPPLY VOLTAGE
DC-DC CONVERTER
ANALOG INPUT/OUTPUT

SUPPLY VOLTAGE
DC-DC CONVERTER
ANALOG INPUT/OUTPUT

SUPPLY VOLTAGE
DC-DC CONVERTER
WIND MEASURING SYSTEM

SUPPLY VOLTAGE
FIBER OPTIC CABLE - CONVERTER

SUPPLY VOLTAGE
DC-DC CONVERTER
RPD SYSTEM

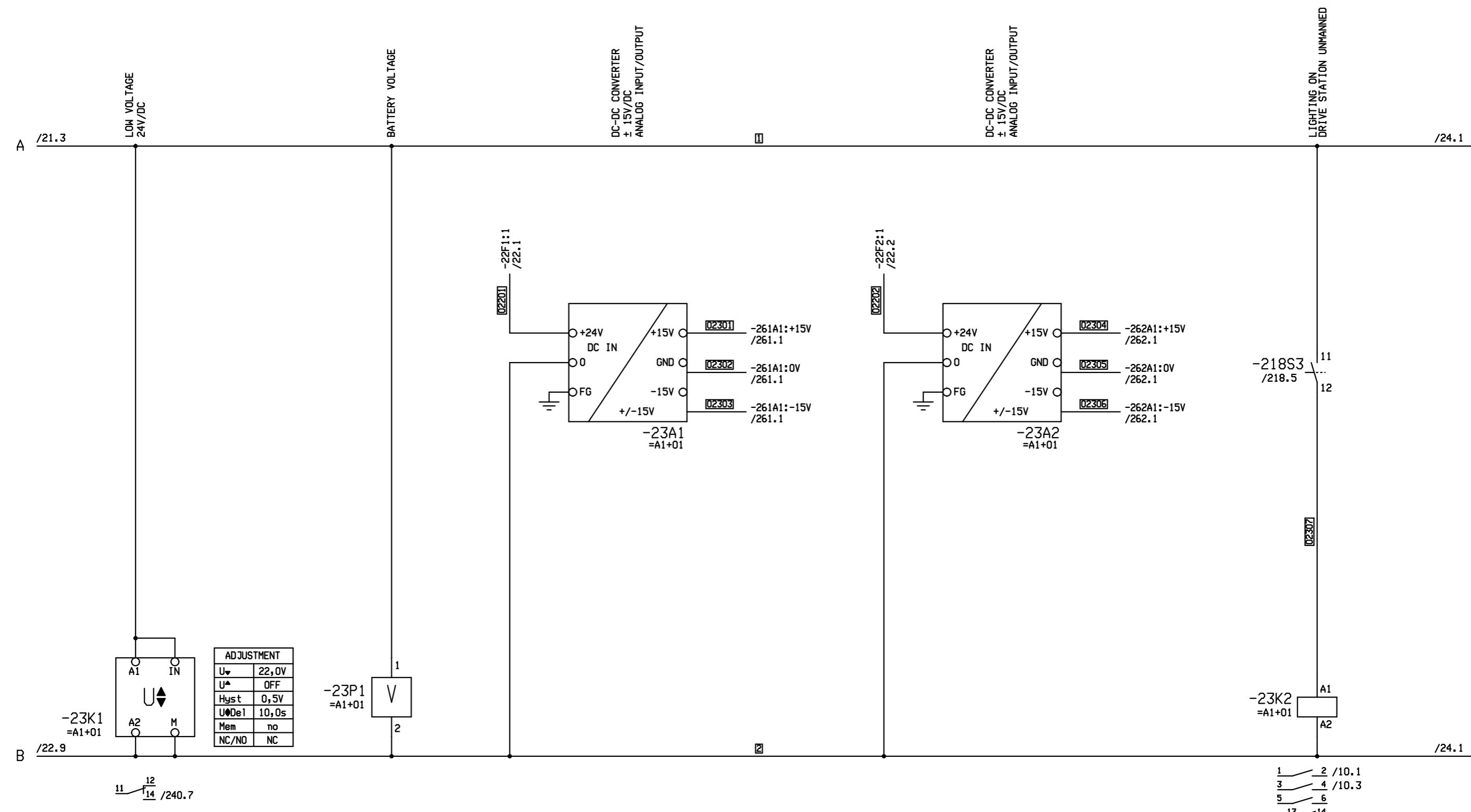
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CONTROLS
FREQUENCY CONVERTER

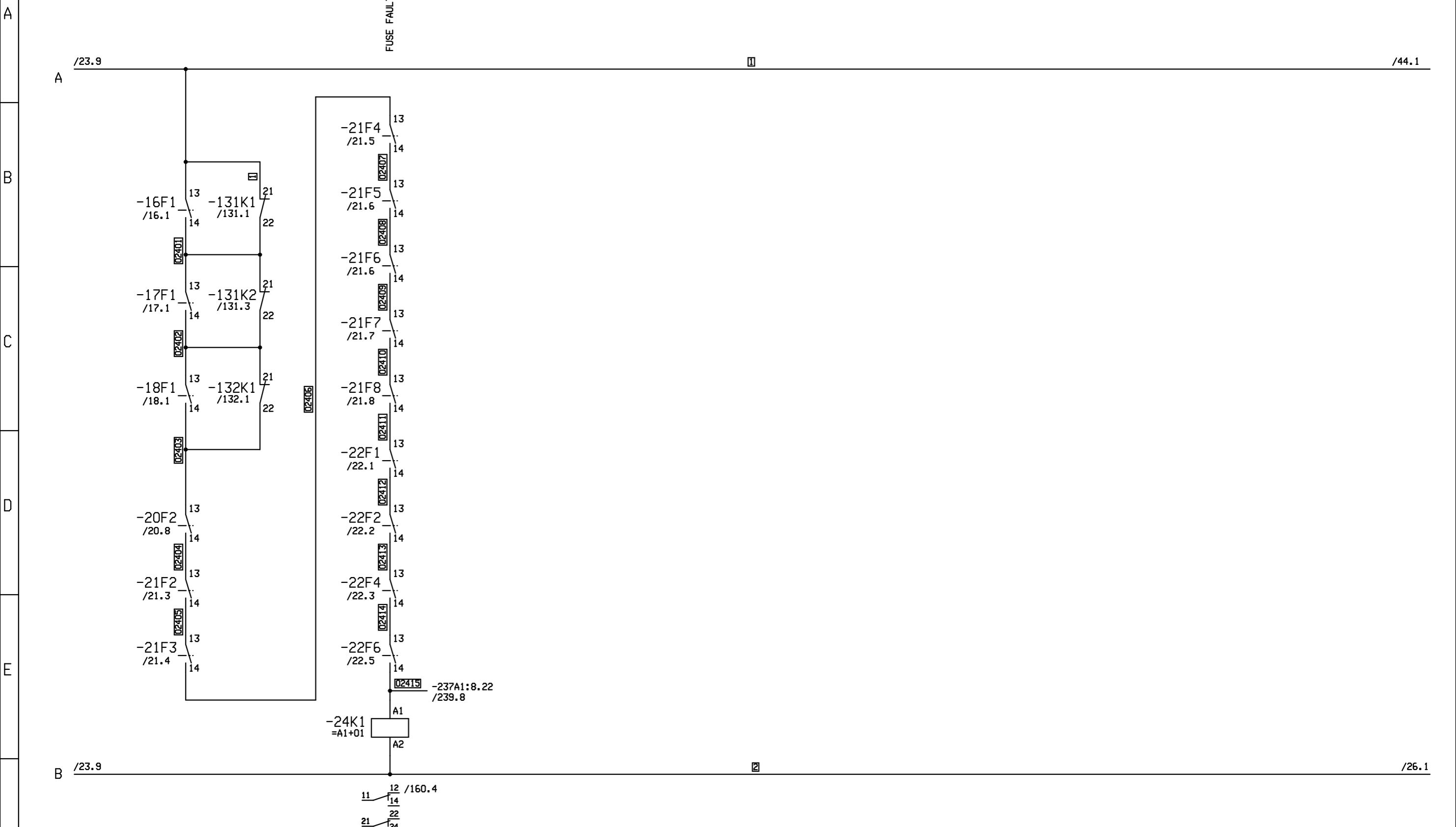
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02007

□

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01	
Date	13.10.16	Dr.ch.bv	Fma			Date 20.04.16	
File:	ANWAA4186					Sheet : 22 Cont.sheet: 23	
CIRCUIT BREAKERS		DRIVE STATION		LV-CONTROL			





Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma

10-MGD BaNa5
WAA0004186

DANANG / VIETNAM

File: ANWAA4186

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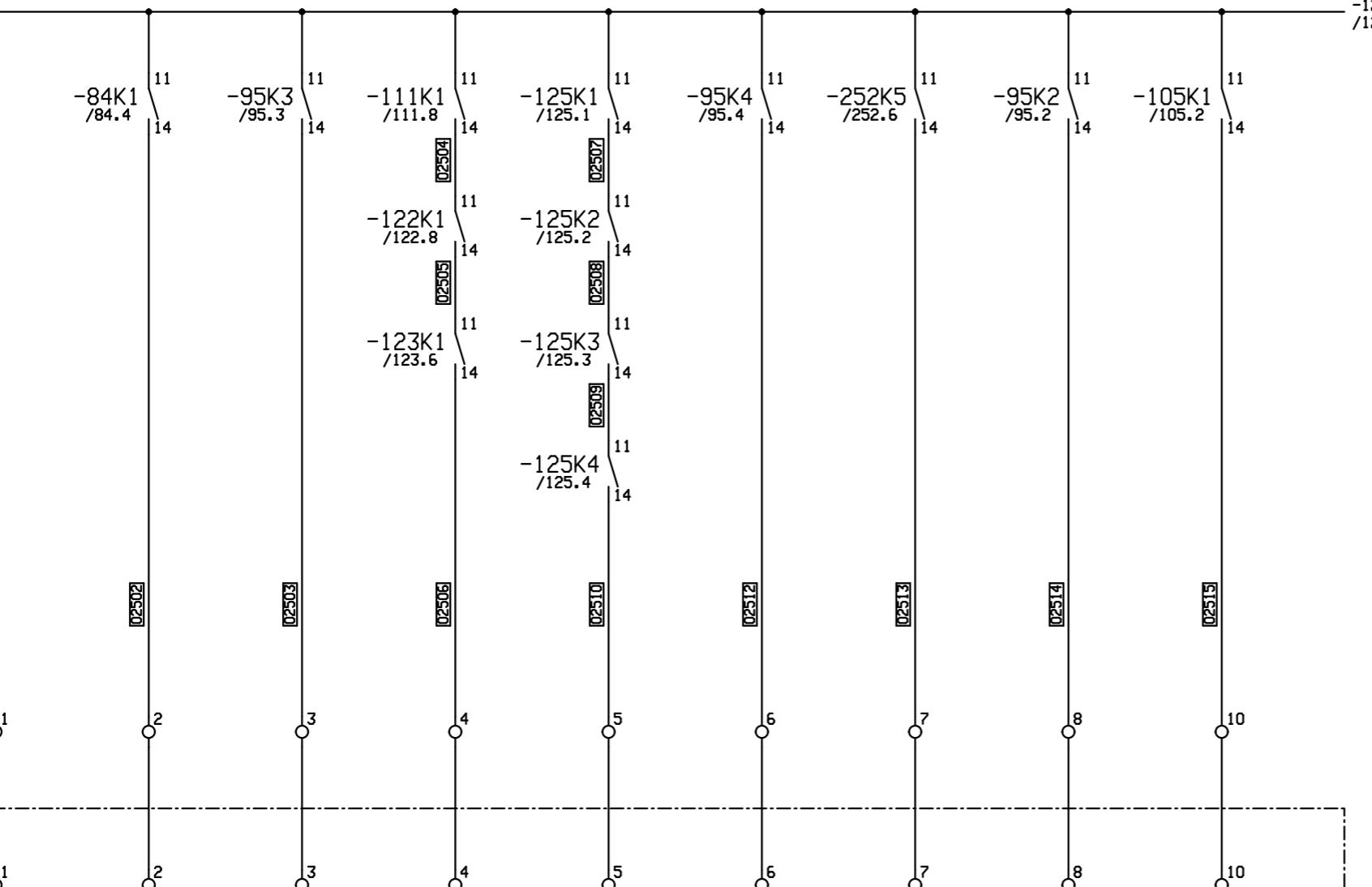
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STOP EB BUTTONS
EMERG. STOP BUTTONS
MAINTENANCE LOCK OUT
RETURN STATIONSTOP EB BUTTONS
EMERG. STOP BUTTONS
MAINTENANCE LOCK OUT
DRIVE STATIONROPE POSITION STATION
GRIP FAULT
DRIVE STATIONROPE POSITION STATION
GRIP FAULT
RETURN STATION

OVERSPEED

VARIATION
TENSION FORCE

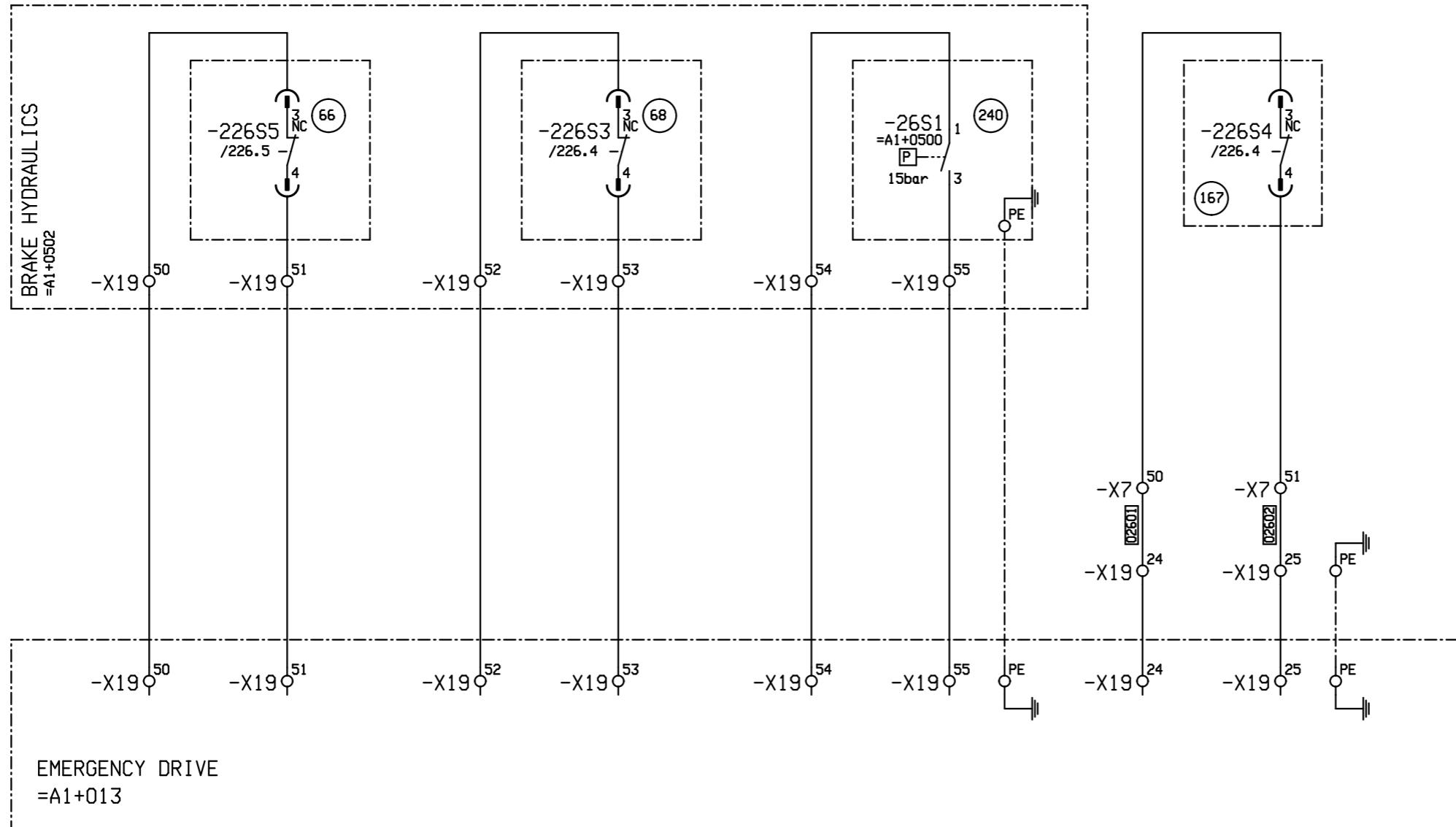
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-129K13:12
/129.9EMERGENCY DRIVE
=A1+013

A

EMERGENCY BRAKE
MECH. BLOCKEDEMERGENCY BRAKE
MANUAL DISENGAGING

BOOST PRESSURE

EMERGENCY BRAKE
MANUAL DISENGAGING

B

C

/27.1

Revision 2.0 Drawn by SST

Date 13.10.16 Dr.ch.by Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAMInnova Patent GmbH
A-6960 WOLFURT / AUSTRIA

CONNECTIONS TO AUX. DRIVE

DRIVE STATION

LV-CONTROL

=A1+01

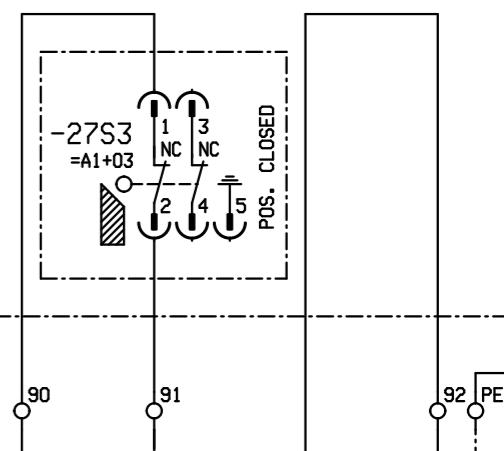
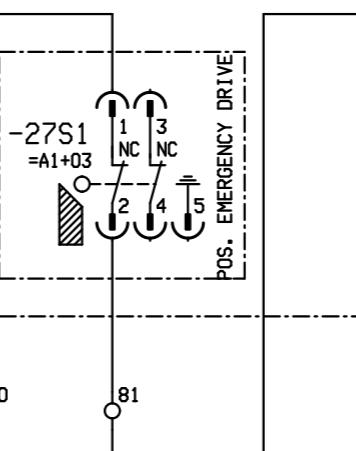
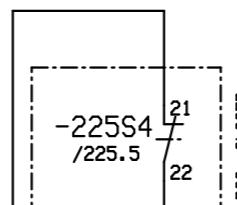
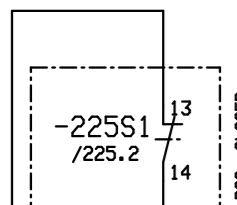
Date 29.04.16

Sheet : 26

Cont.sheet: 27

File: ANWAA4186

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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
OPEN/CLOSEDSERVICE BRAKE 4
OPEN/CLOSEDOIL MOTOR 1
GEARING MONITORING
RIM GEAROIL MOTOR 1
BYPASS
RIM GEAR

TB13
=A1+0133
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60 61 62
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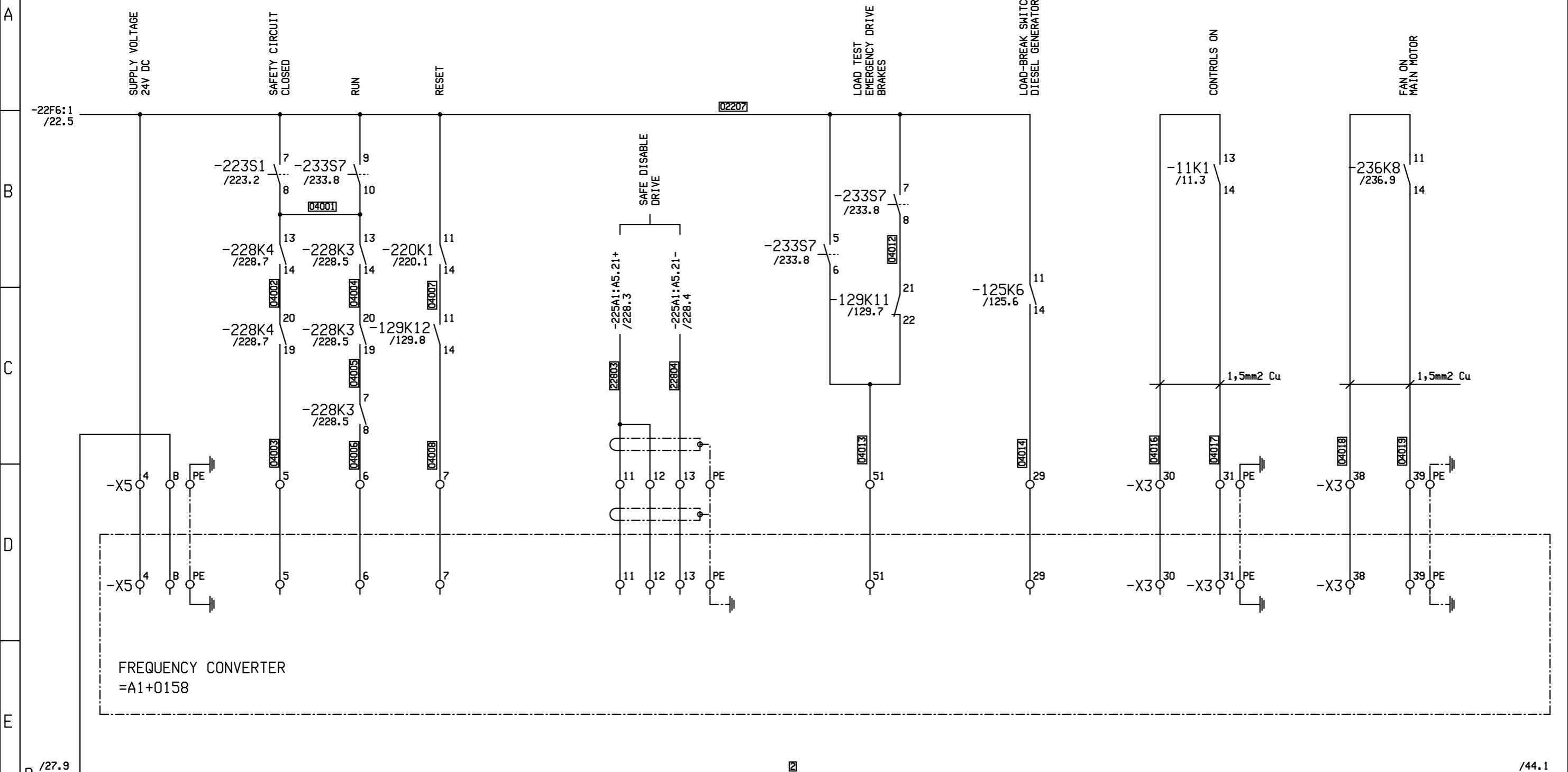
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/40.1

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma

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CONNECTIONS FREQUENCY CONVERTER

DRIVE STATION

LV-CONTROL

=A1+01

Date 13.10.16

Sheet : 40

Cont.sheet: 44

File: ANWAA4186

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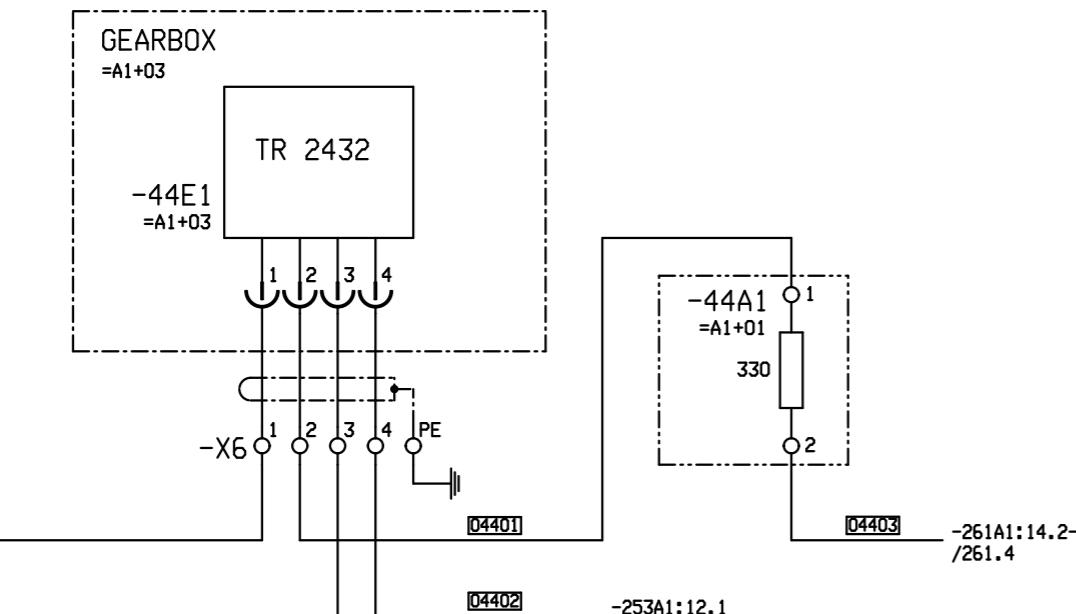
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GEAR BOX TEMP.

I

/46.1

B



C

B /40.10

2

/46.1

F

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
Date	13.10.16	Dr.ch.by	Fma			Date 01.06.16
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					DRIVE STATION	LV-CONTROL

A

A /44.9

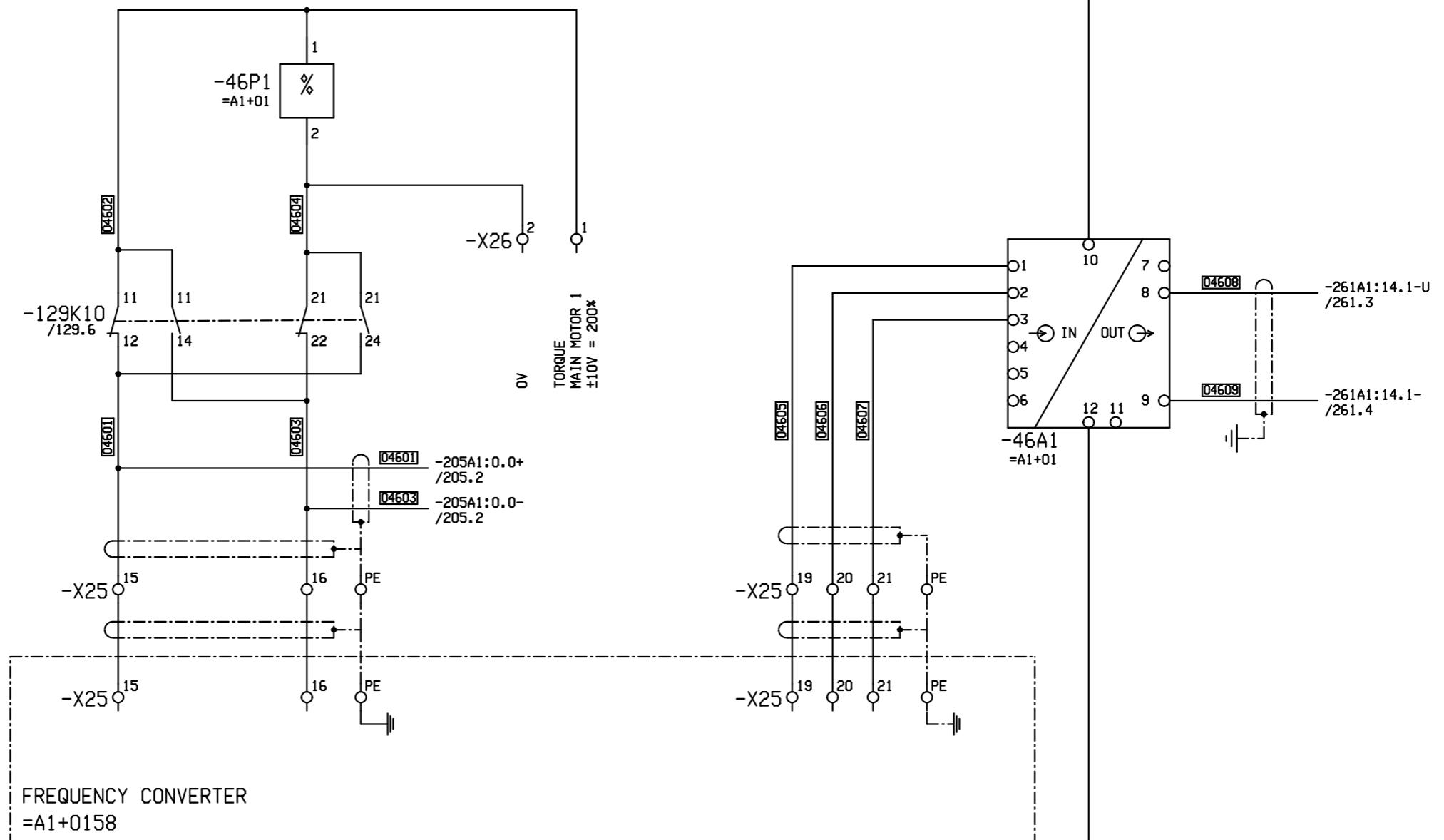
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TORQUE
MAIN MOTOR 1
 $\pm 10V = \pm 200x$ ENGINE TEMPERATURE
MAIN MOTOR 1

1

/50.1

B



B /44.9

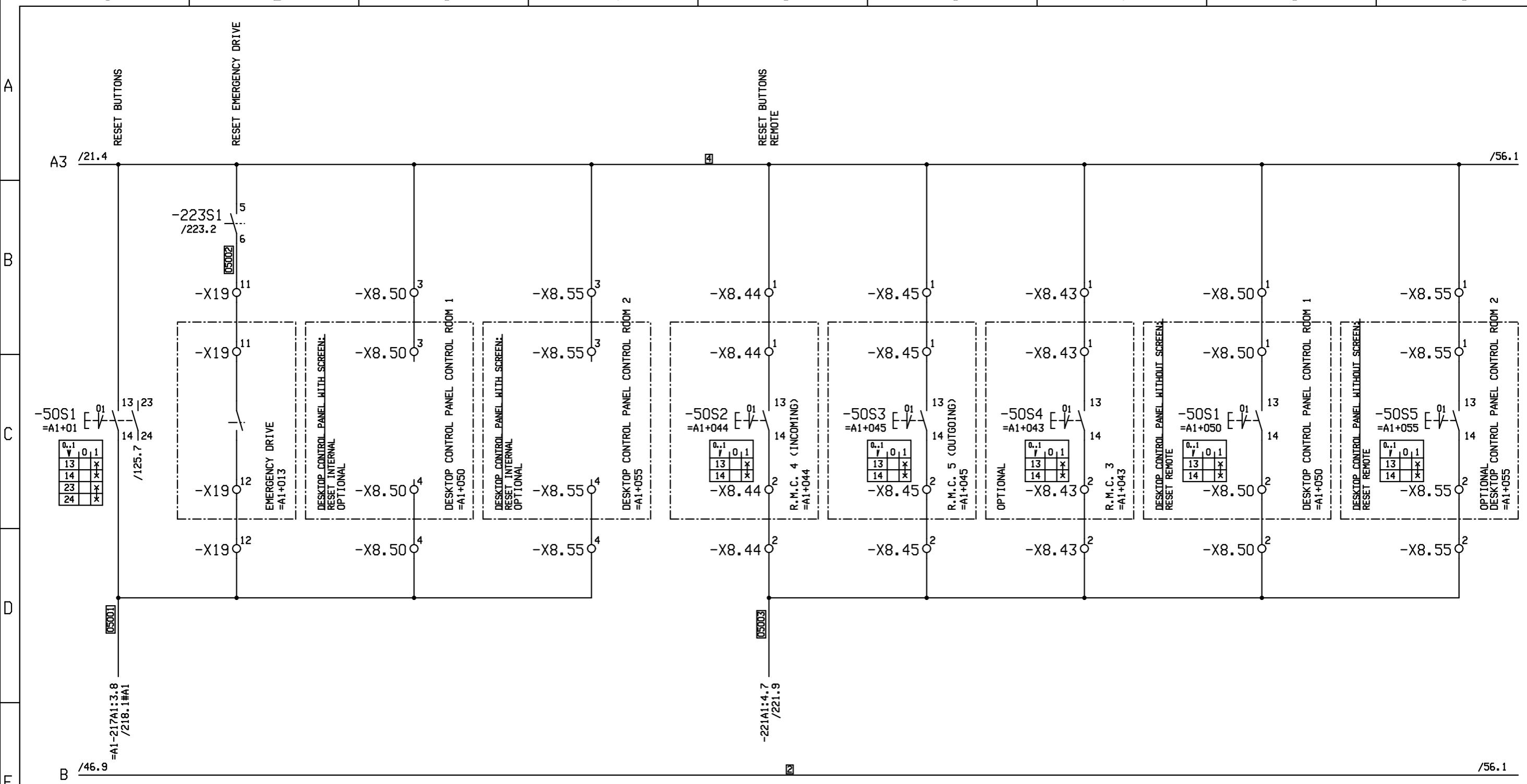
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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
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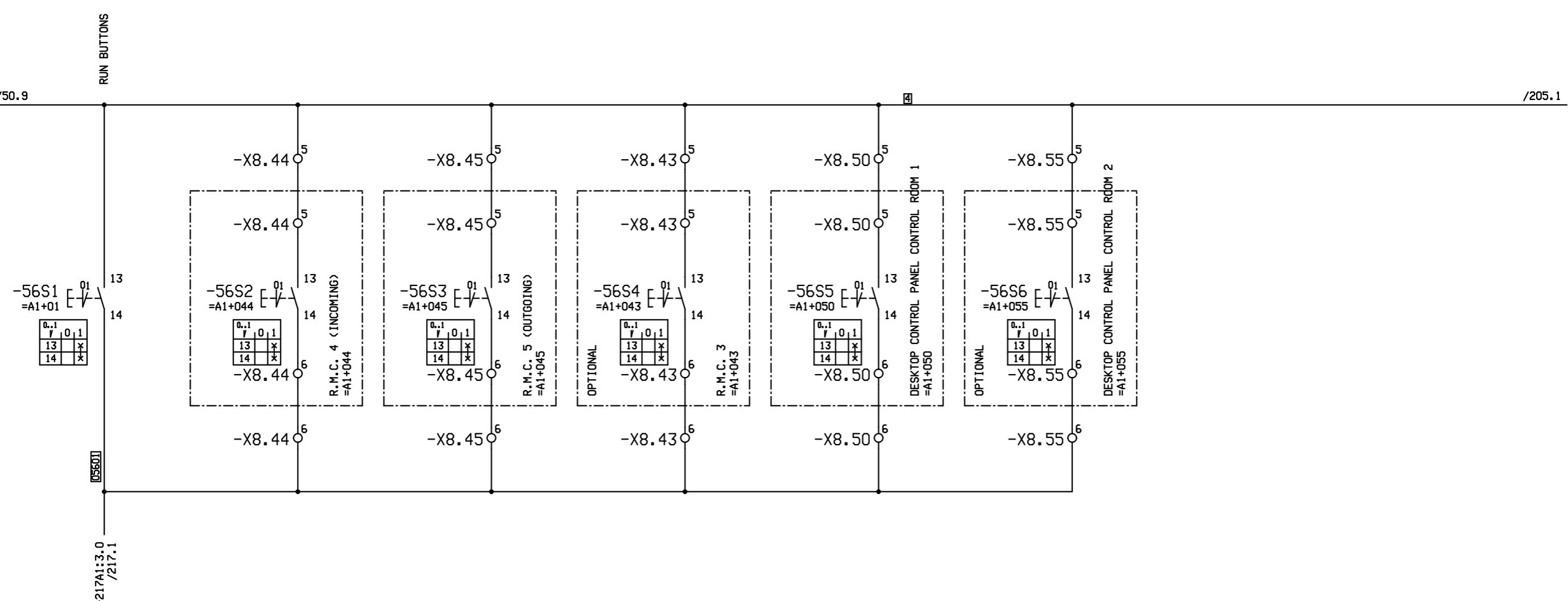
10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

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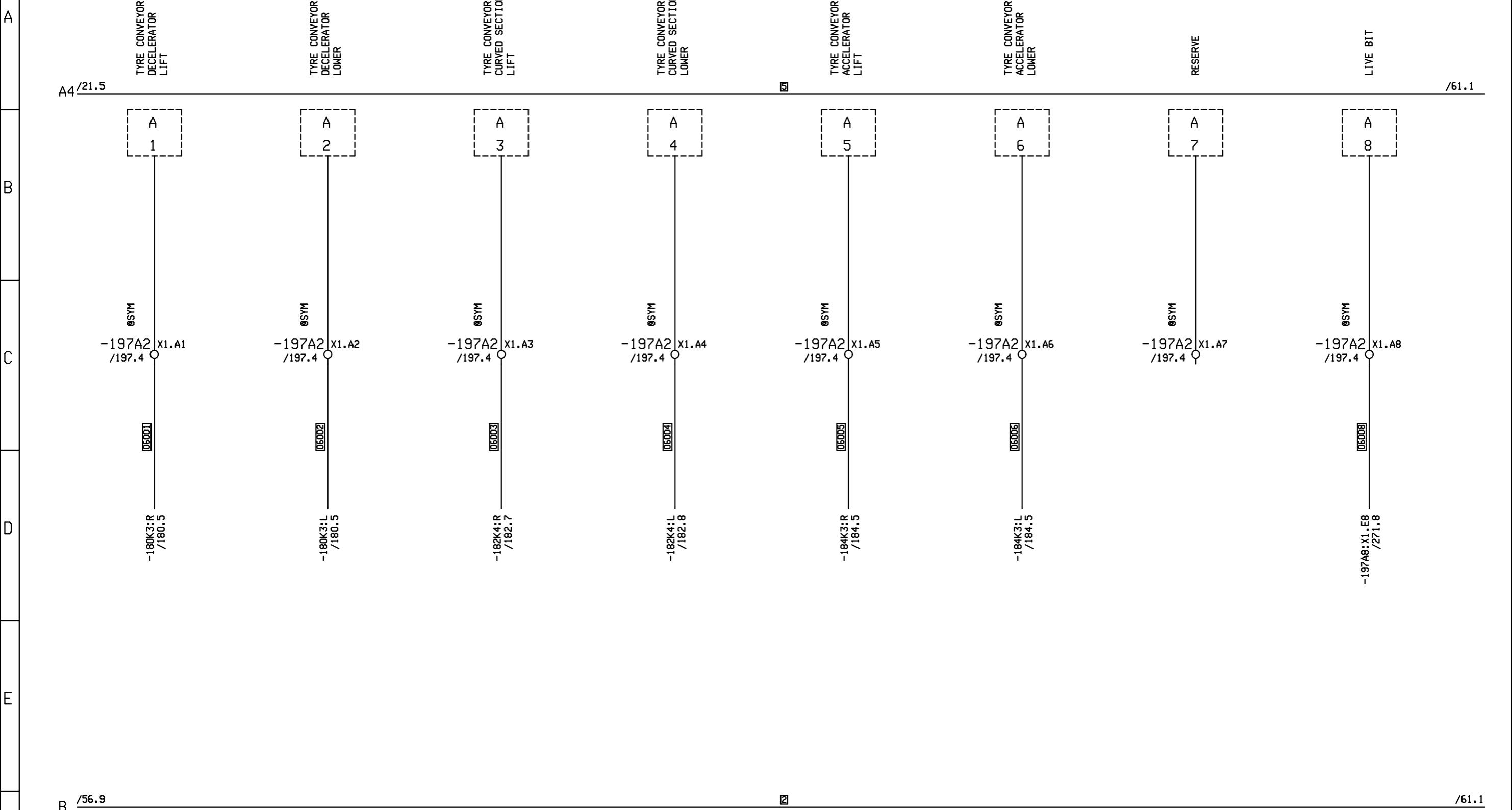


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Date	13.10.16	Dr.ch.bv	Fma			Date 04.05.17
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10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	DRIVE STATION	LV-CONTROL	Sheet : 50		Cont.sheet: 56

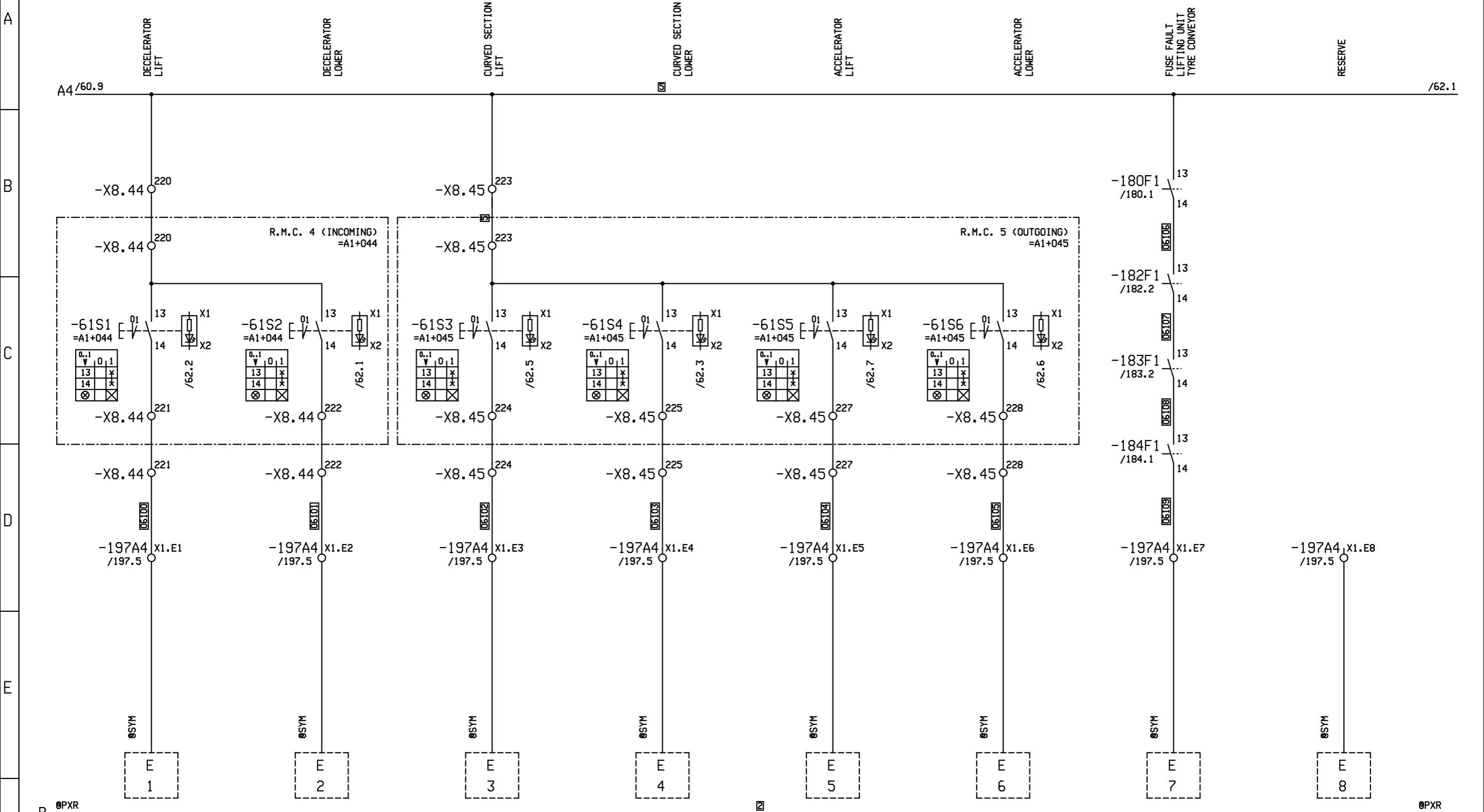
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Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr®	RUN BUTTONS	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 19.04.16
File:	ANWAA4186						Sheet : 56 Cont.sheet: 60



Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	OUTPUT PLC BECKHOFF - TYRE CONVEYOR DRIVE STATION	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 25.07.16
File:	ANWAA4186						Sheet : 60 Cont.sheet: 61



A

A4/62.9

/66.4

OVERCURRENT LIFTING UNIT
TYRE CONVEYOR
MOTORS / DECELERATOROVERCURRENT LIFTING UNIT
TYRE CONVEYOR
MOTORS CURVED SECTIONOVERCURRENT LIFTING UNIT
TYRE CONVEYOR
MOTORS / ACCELERATOR

-180K1 /180.1
-180K2 /180.3
-180K3 /180.4

-182K1 /182.2
-182K2 /182.3
-182K3 /182.5
-182K4 /182.7

-183K1 /183.2
-183K2 /183.3
-183K3 /183.5

-184K1 /184.1
-184K2 /184.3
-184K3 /184.4

-197A5 x1.E1
/197.5 -197A5 x1.E2
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3@SYM
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E
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E
8

B

@PXR

B

@PXR

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
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INPUT PLC BECKHOFF - OVERCURRENT - TYRE CONVEYOR

DRIVE STATION

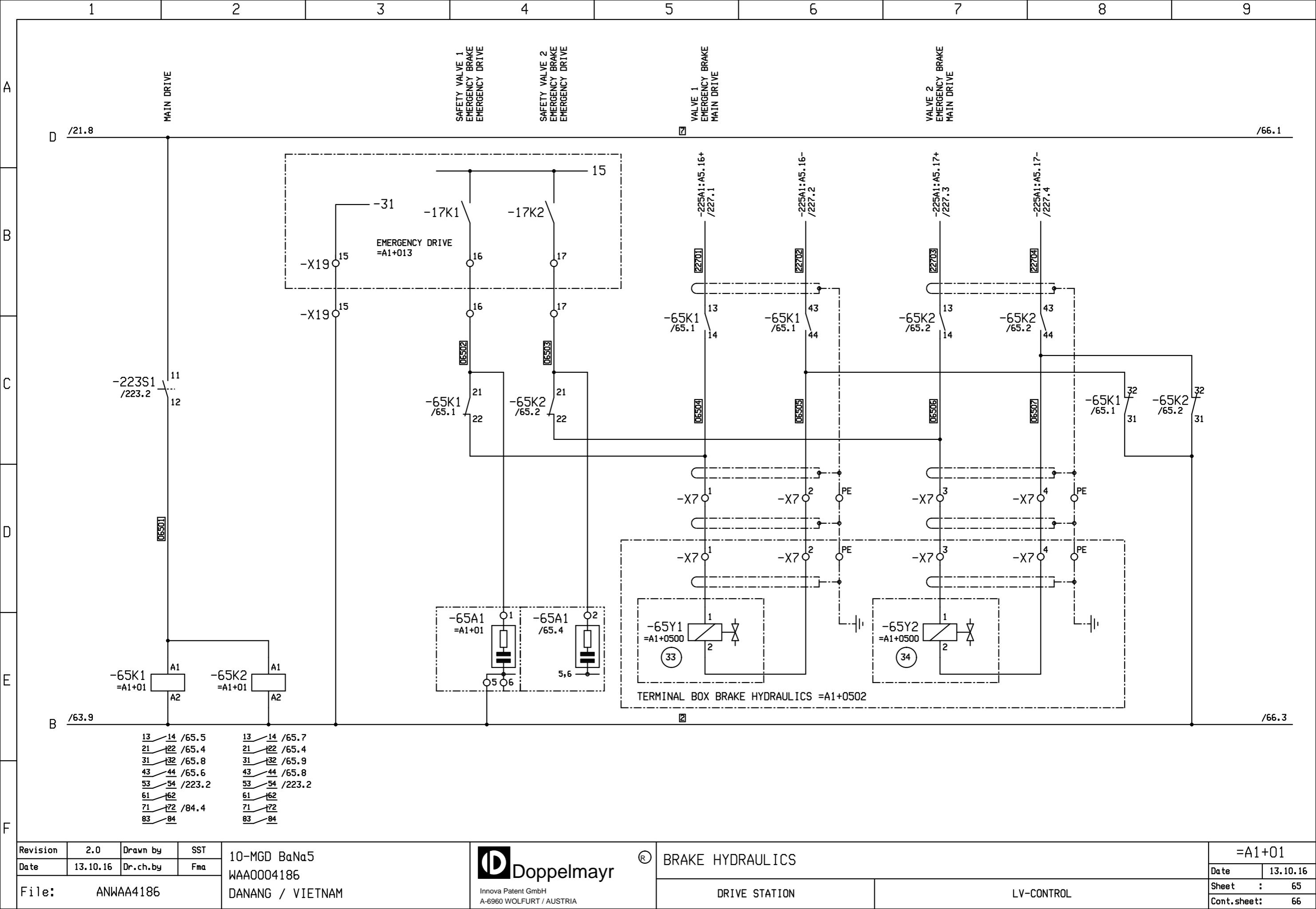
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Date 25.07.16

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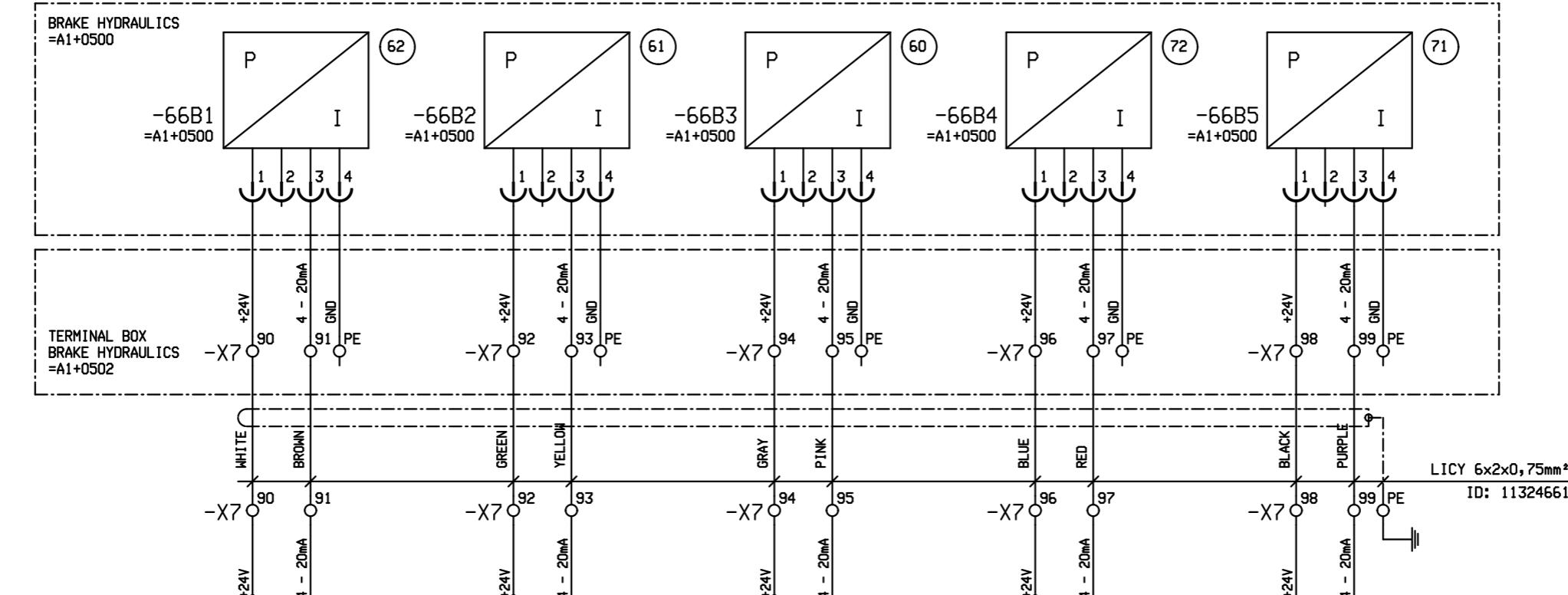
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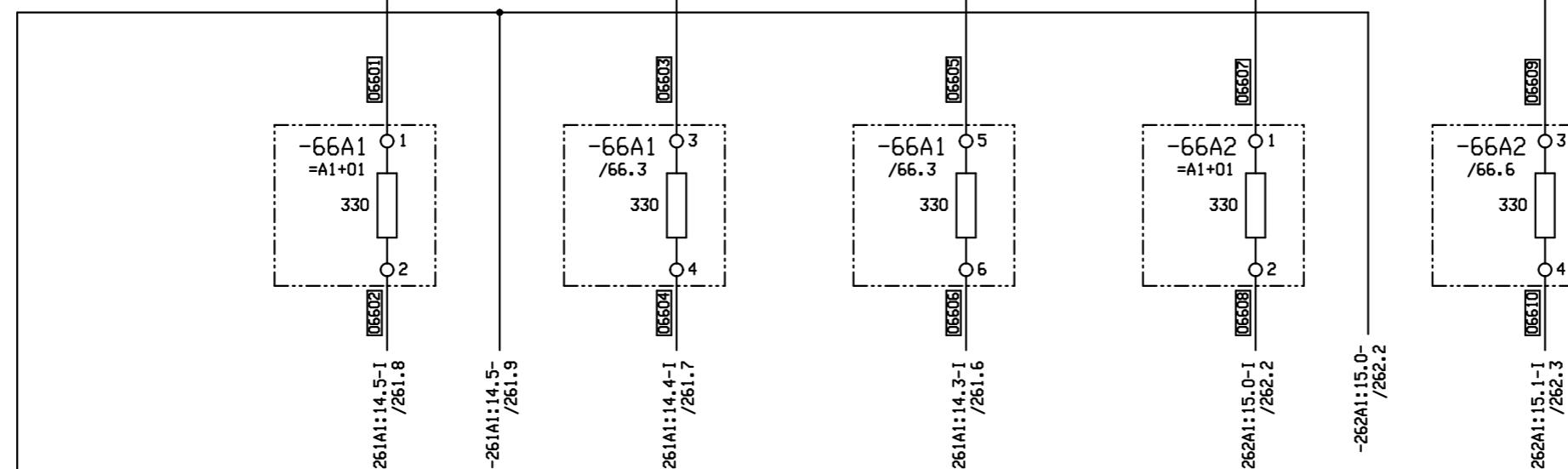
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/68.1



B /65.9

/67.1



(XX) ... POS. HYDRAULIC AGGREGATE

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



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A-6960 WOLFURT / AUSTRIA



BRAKE HYDRAULICS

DRIVE STATION

LV-CONTROL

=A1+01
Date 01.04.16

Sheet : 66
Cont.sheet: 67

A

B

C

D

B

E

F

EMERGENCY BRAKE 1
OPEN/CLOSEDEMERGENCY BRAKE 2
OPEN/CLOSEDEMERGENCY BRAKE 3
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21 /24
22 /24

22501

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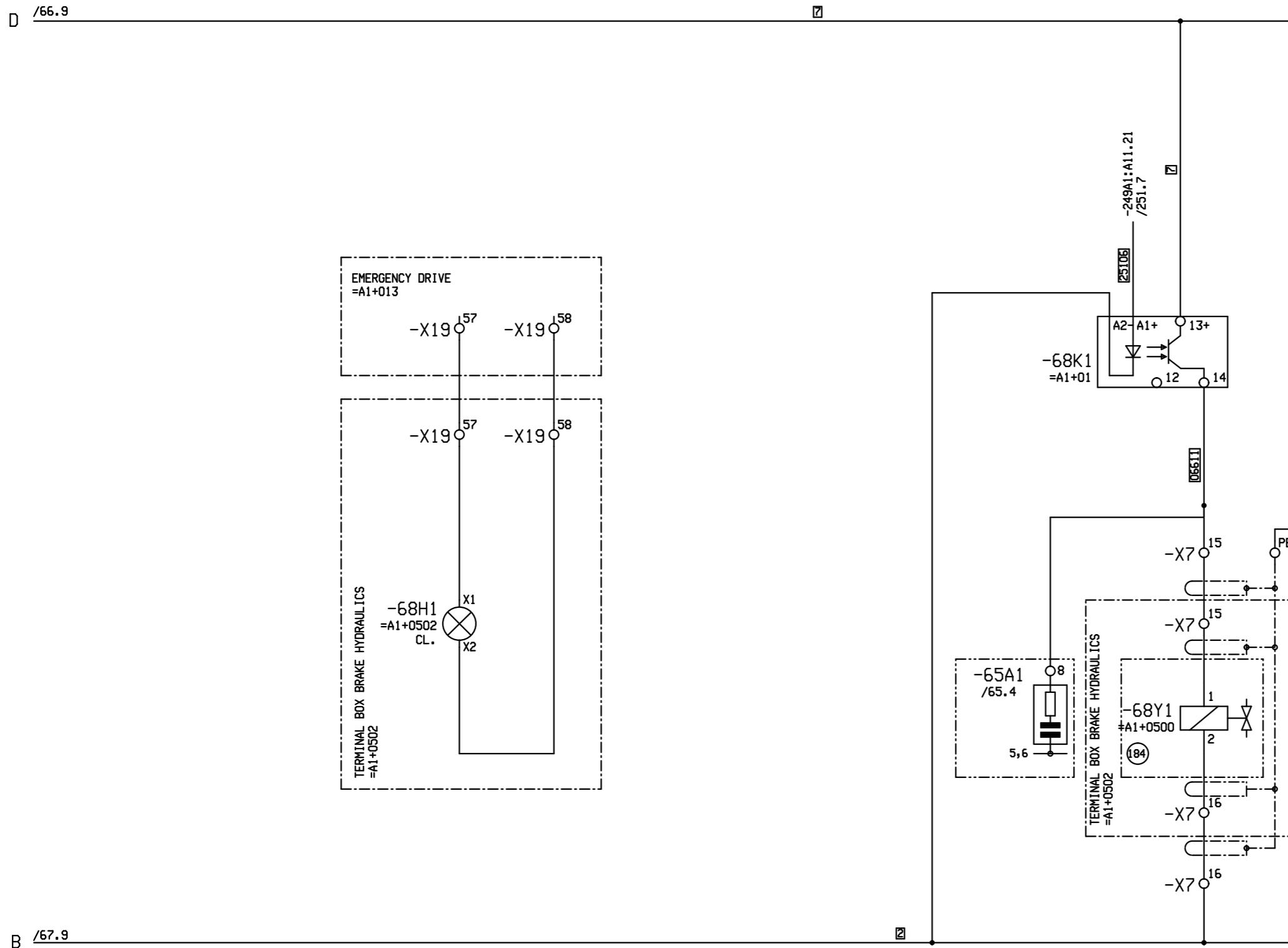
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21 /24
22 /24

22504

/68.1

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	® LIMIT SWITCH BRAKE DRIVE STATION	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 19.04.16
File:	ANWAA4186						Sheet : 67 Cont.sheet: 68

TELEPHONE CALL



(XX) ... POS. HYDRAULIC AGGREGATE

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



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A-6960 WOLFURT / AUSTRIA



BRAKE HYDRAULICS

DRIVE STATION

LV-CONTROL

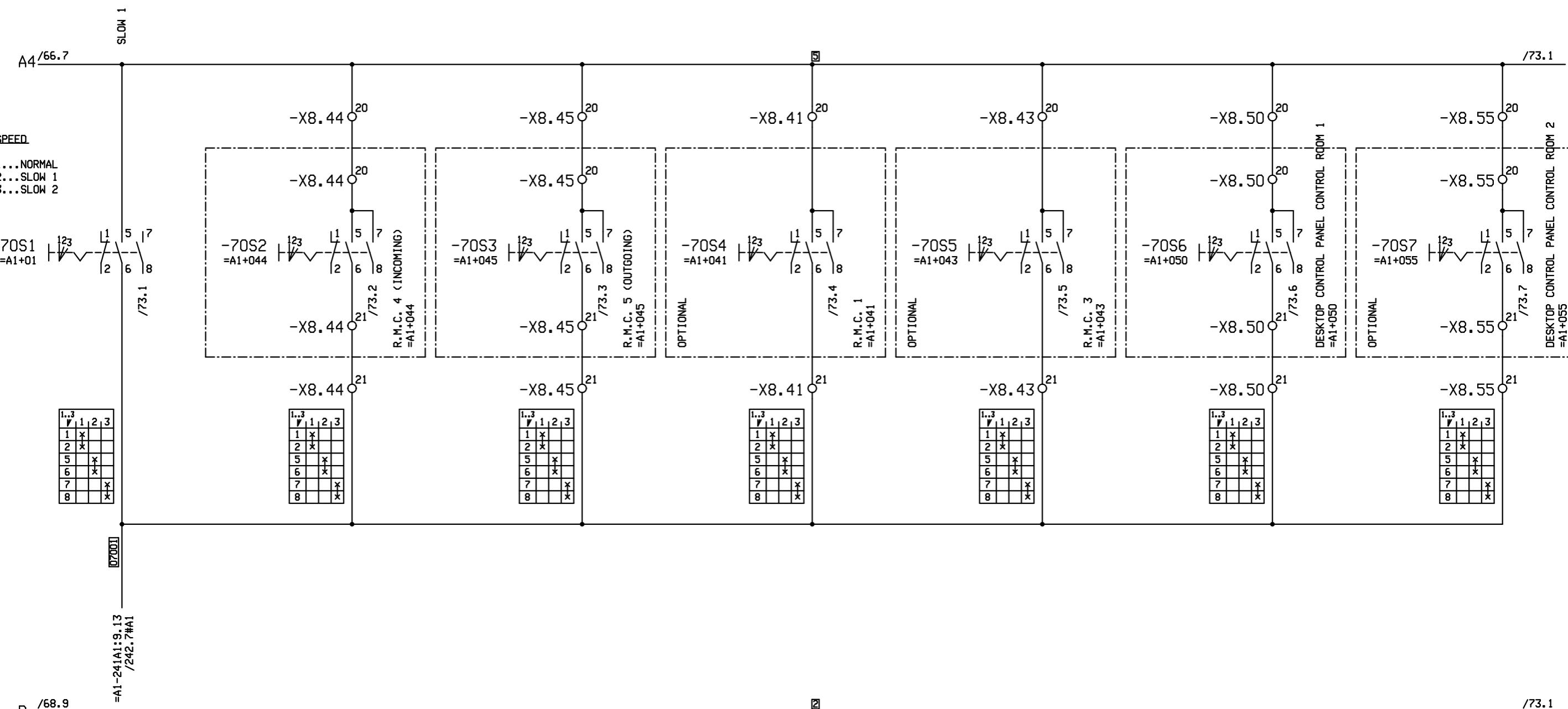
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Date 20.04.16

Sheet : 68

Cont.sheet: 70

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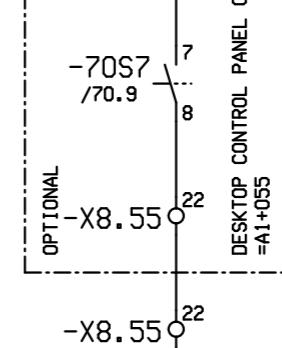
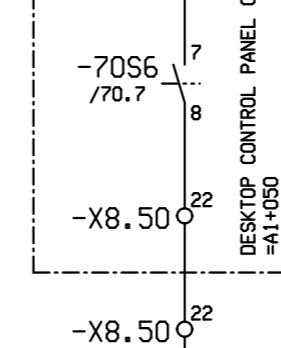
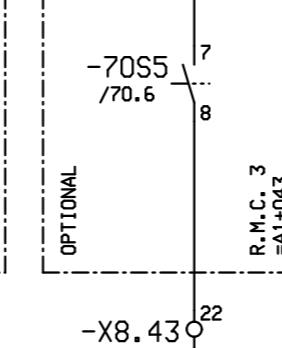
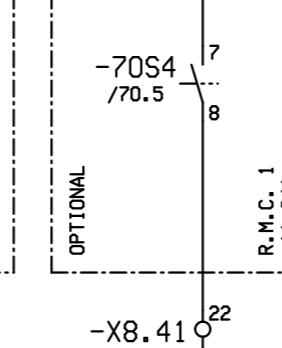
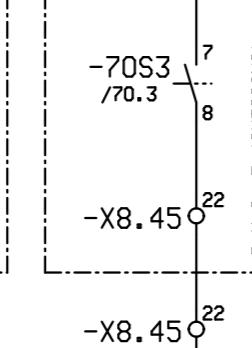
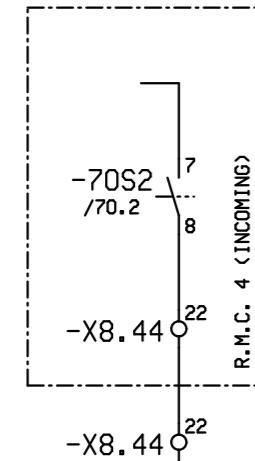
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Date	13.10.16	Dr.ch.bv	Fma			DRIVE STATION		Sheet : 70
File:	ANWAA4186					LV-CONTROL		Cont.sheet: 73

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SLOW 2

A4 /70.9

/80.2

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/70.1

[0730]

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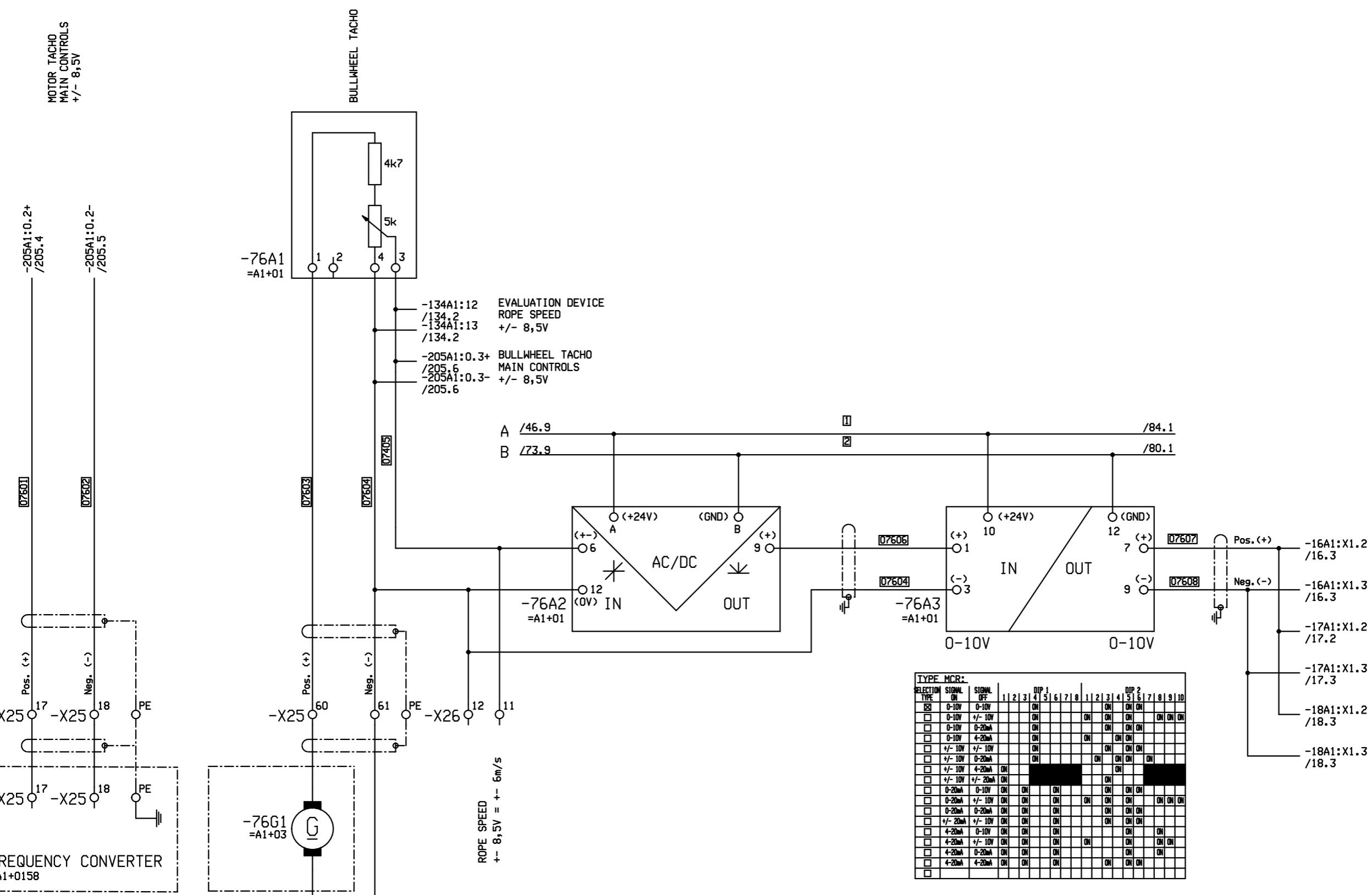
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/76.4

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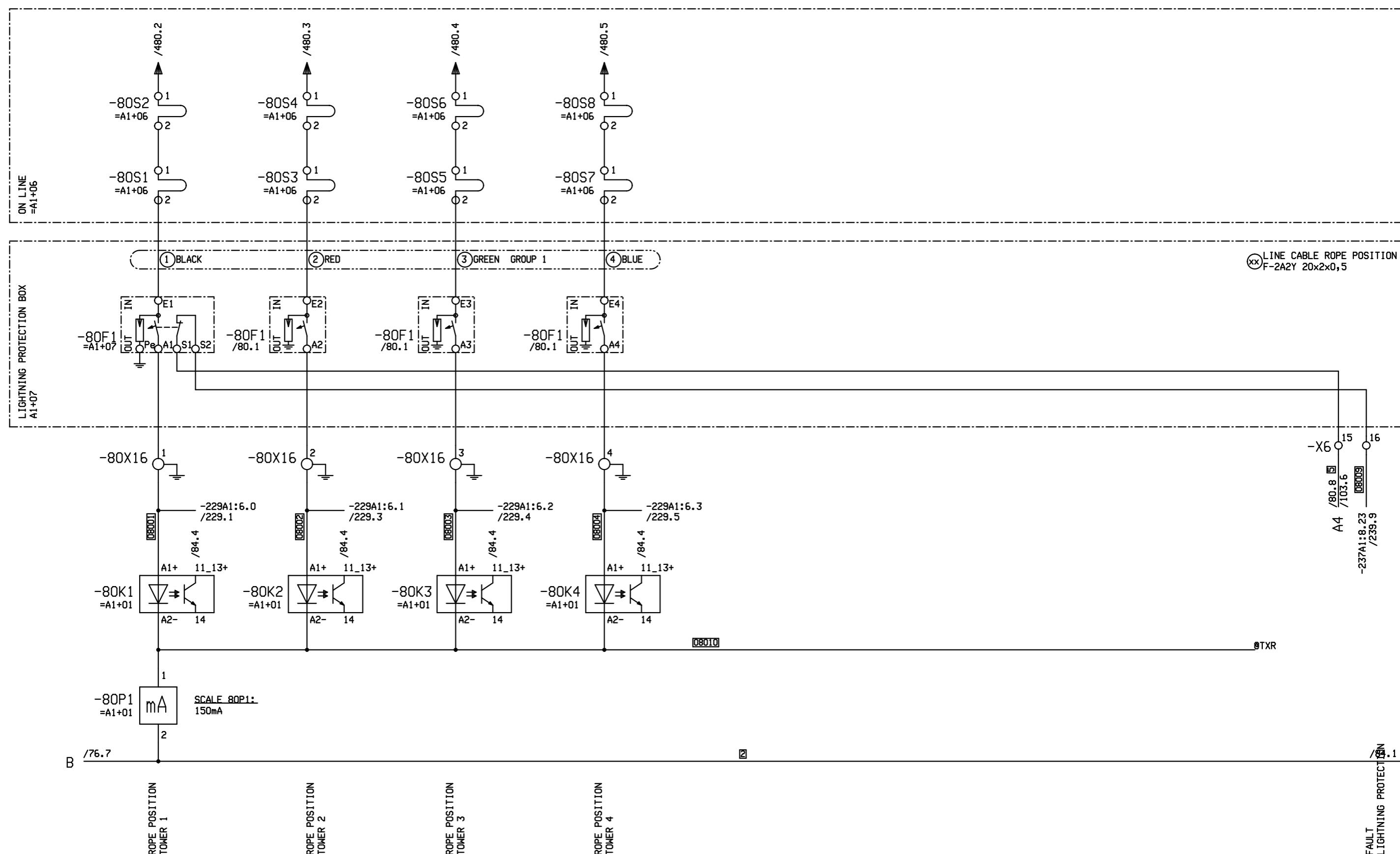
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Date	13.10.16	Dr.ch.by	Fma				Date 20.04.16
File:	ANWAA4186						Sheet : 73 Cont.sheet: 76
						DRIVE STATION	LV-CONTROL



REF. VALUE
FREQUENCY CONVERTER
TORQUE SUPPORT
INCOMING SIDE
 $0 = 8.5V = 0-6m/s$

REF. VALUE
FREQUENCY CONVERTER
TORQUE SUPPORT
OUTGOING SIDE
 $0 - 8.5V = 0-6m/s$

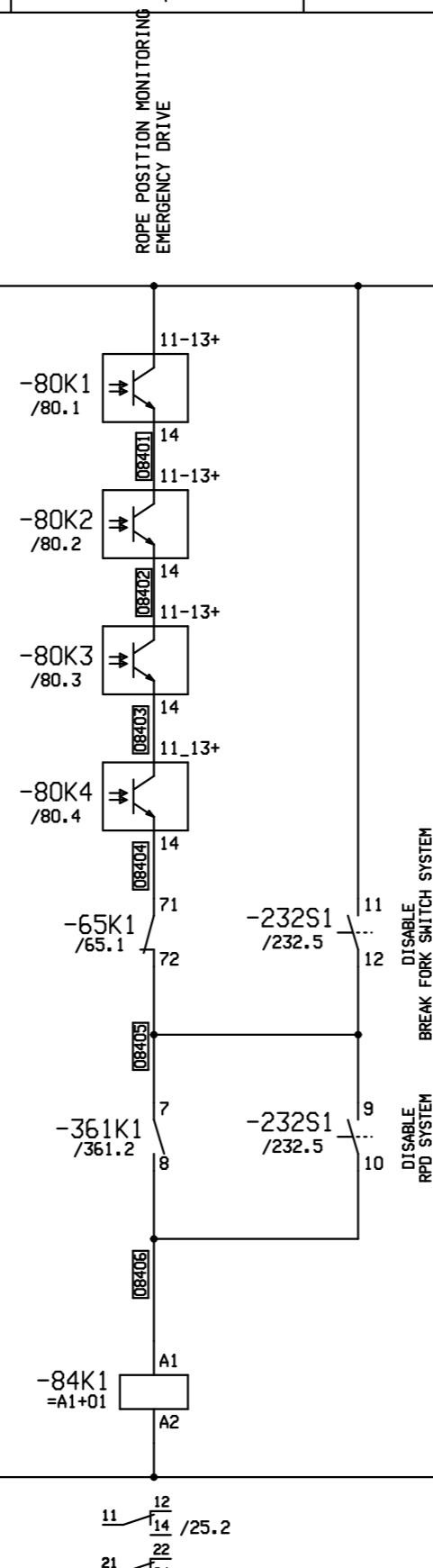
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FREQUENCY CONVERTER
PROCESSOR SPACING
CURVED SECTION
 $0 - 8.5V = 0-6m/s$



Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01	
Date	13.10.16	Dr.ch.bv	Fma			Date 27.04.16	
File:	ANWAA4186					Sheet : 80 Cont.sheet: 84	
ROPE POSITION MONITORING				DRIVE STATION			
LV-CONTROL							

A

A

/76.7 _____ /108.1

B

/80.8 _____ /95.1

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	® ROPE POSITION MONITORING DRIVE STATION	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 20.04.16
File:	ANWAA4186						Sheet : 84 Cont.sheet: 85

WIND MONITOR
TOWER 4

RESERVE

ON LINE
=A1+06

A

/485.2 /485.4 /485.5 /485.6 /485.7 /485.8

B

C

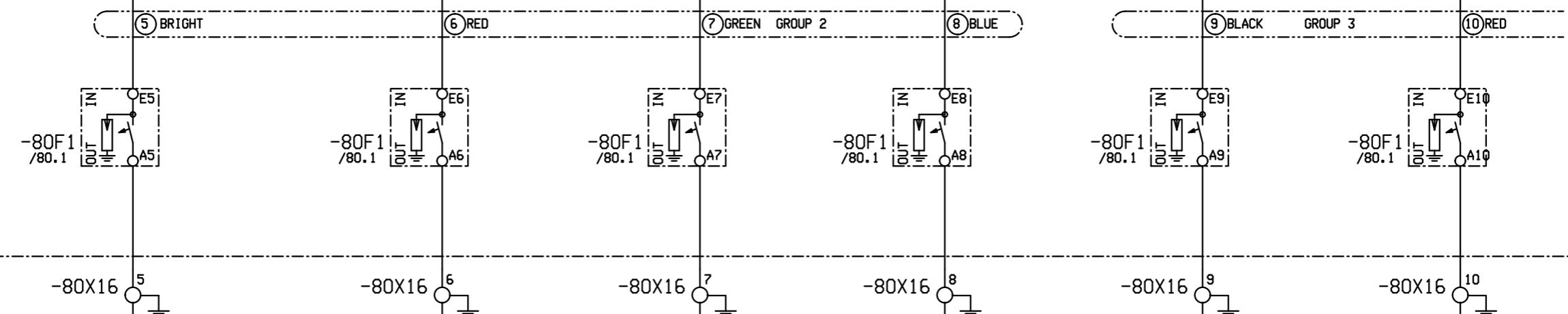
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D

E

F



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

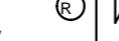
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WAA0004186

DANANG / VIETNAM

Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

WIND WARNING



DRIVE STATION

LV-CONTROL

=A1+01

Date 20.04.16

Sheet 85

Cont.sheet 95

File: ANWAA4186

A

A1/21.3

CONTROLS ON
DRIVE STATION
UNMANNED
FROM RETURN STATIONFAULT TENSION PRESSURE
FOR EMERGENCY DRIVEMAINTENANCE LOCK OUT
EMERG. STOP BUTTONS
STOP EB BUTTONS
RETURN STATIONROPE POSITION STATION
FAULT GRIP OPERATING LEVER
RETURN STATIONRPD ON
RETURN STATION

RESERVE

RESERVE

RESERVE

/96.1

B

-103A3 x1.1
/103.7-103A3 x1.2
/103.7-103A3 x1.3
/103.7-103A3 x1.4
/103.7-103A3 x1.5
/103.7-103A3 x1.6
/103.7-103A3 x1.7
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/103.7

C

09501

09502

09503

09504

09505

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-95K1
=A1+01-95K2
=A1+01-95K3
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=A1+01-95K5
=A1+01

E

B /84.9
11 12 /20.3
21 22 2411 12 /25.5
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21 22 2411 12 /22.4
21 22 24

/96.1

F

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma

File: ANWAA4186

10-MGD BaNa5

WAA0004186

DANANG / VIETNAM

Innova Patent GmbH
A-6960 WOLFURT / AUSTRIACONNECTIONS RETURN STATION FIBER OPTIC CABLE - CONVERTER
RECEIVER

DRIVE STATION

LV-CONTROL

=A1+01

Date 20.04.16

Sheet : 95

Cont.sheet: 96

A

CONTROLS ON
RETURN STATION
UNMANNED
FROM DRIVE STATION

EMERGENCY DRIVE

RPD ON
DRIVE STATION

RESERVE

RESERVE

RESERVE

RESERVE

A1 /95.9 _____ /107.1

-129K1
/129.1
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24-22F5
/22.4
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-361K3
/361.9
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/103.2
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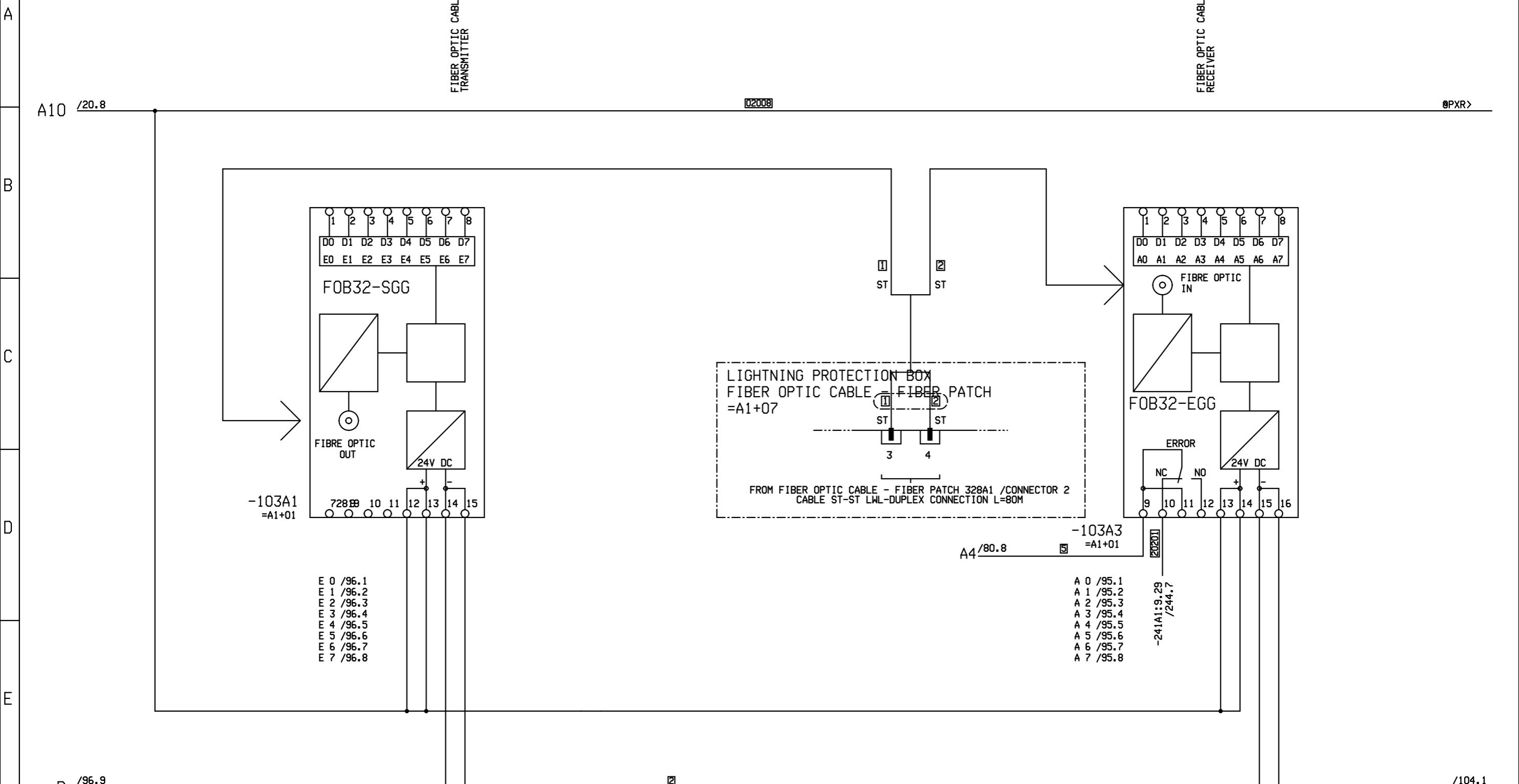
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/95.9 _____ /103.1

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	CONNECTIONS RETURN STATION FIBER OPTIC CABLE - CONVERTER TRANSMITTER			=A1+01
Date	13.10.16	Dr.ch.bv	Fma		DRIVE STATION	LV-CONTROL		Date 01.04.16
File:	ANWAA4186							Sheet : 96 Cont.sheet: 103

Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			=A1+01

10-MGD BaNa5
WAA0004186
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A-6960 WOLFURT / AUSTRIA

FIBER OPTIC CABLE - CONVERTER TRANSMITTER RECEIVER

DRIVE STATION

LV-CONTROL

Date 21.04.16

Sheet : 103

Cont.sheet: 104

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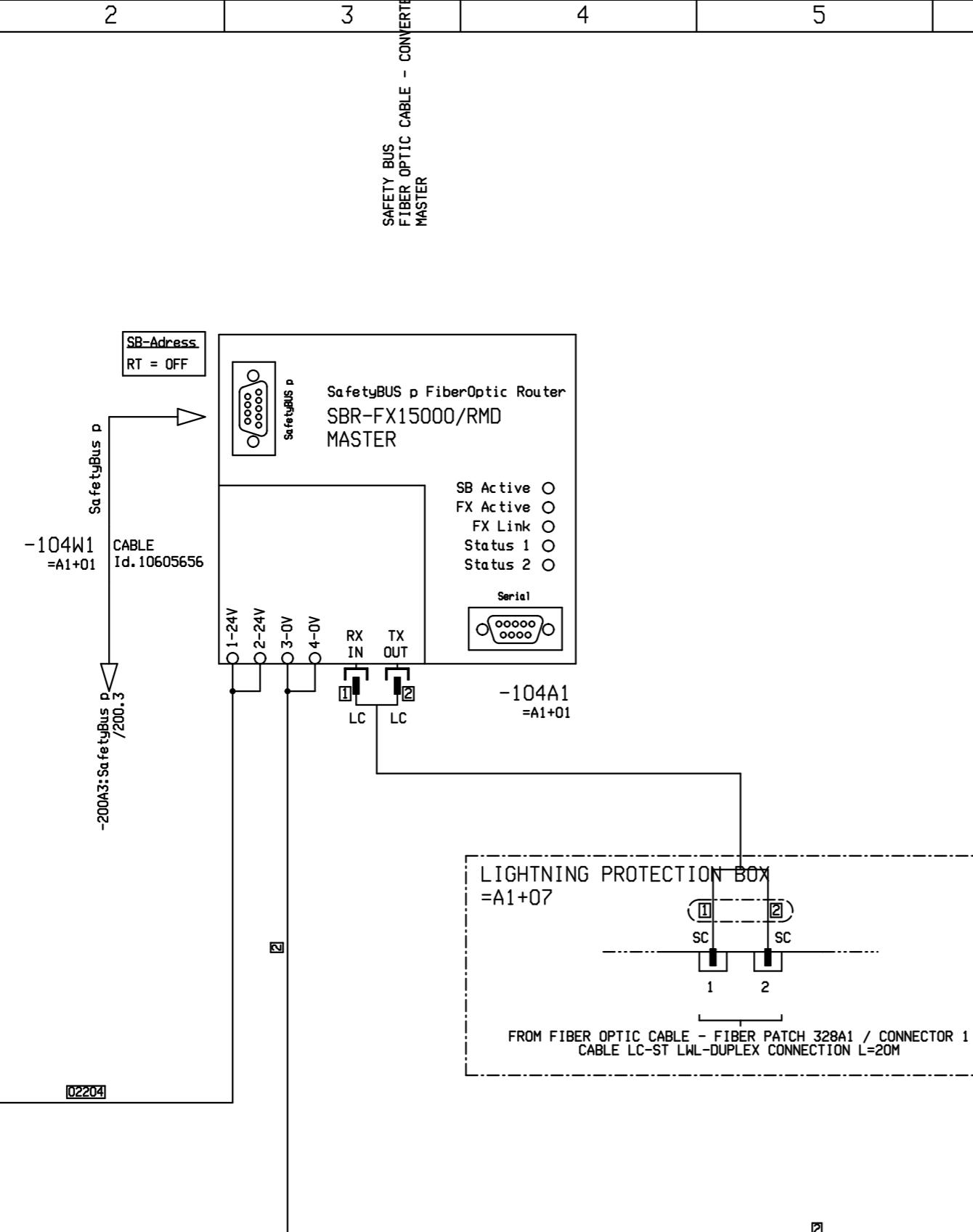
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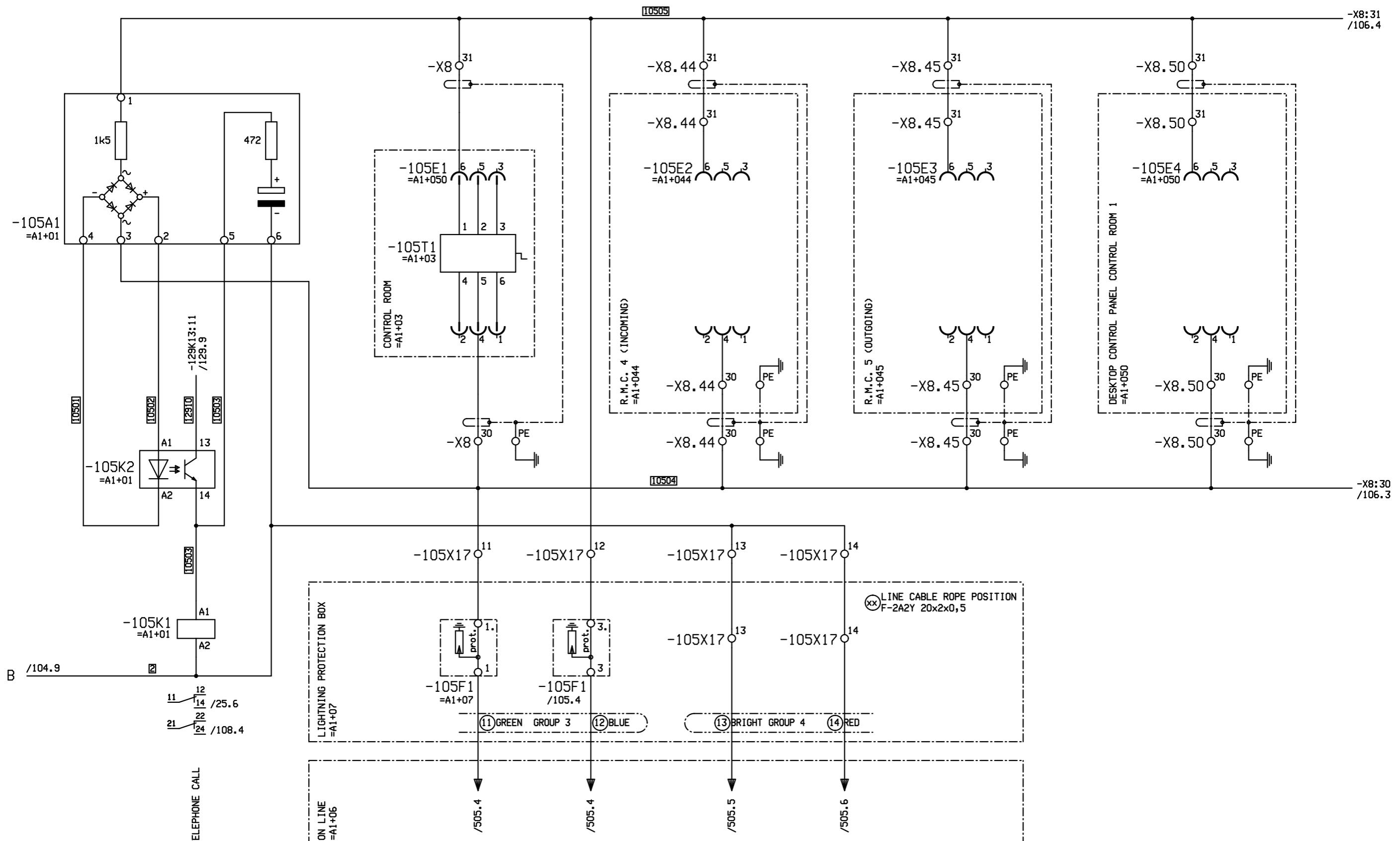
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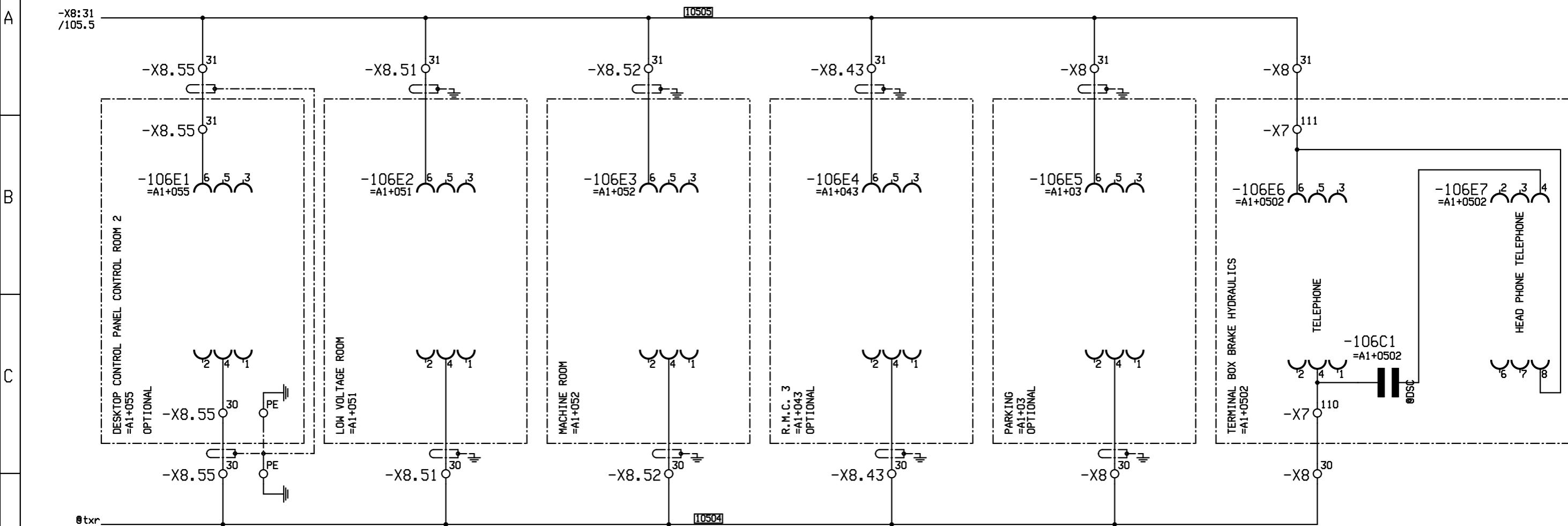


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Date	13.10.16	Dr.ch.by	Fma			Date 26.04.16
File:	ANWAA4186					Sheet : 104 Cont.sheet: 105



Revision	2.0	Drawn by	SST
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File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



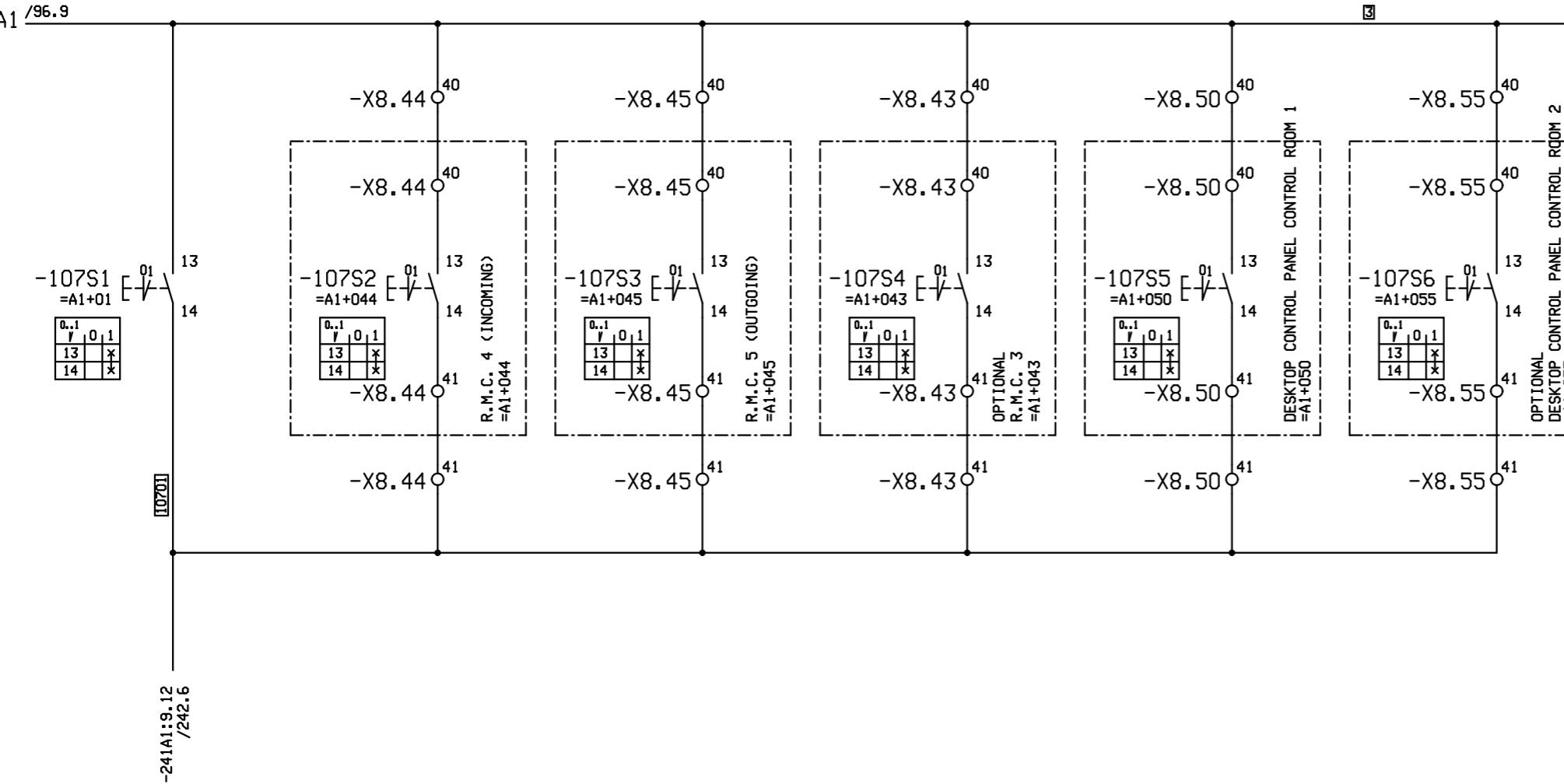
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Date	13.10.16	Dr.ch.by	Fma						
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		Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>							
		TELEPHONE DRIVE STATION LV-CONTROL							
		Sheet : 106 Cont.sheet: 107							

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A1 /96.9

SIGNAL BUTTONS

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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma

10-MGD BaNa5

WAA0004186

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File: ANWAA4186

Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

SIGNAL BUTTONS

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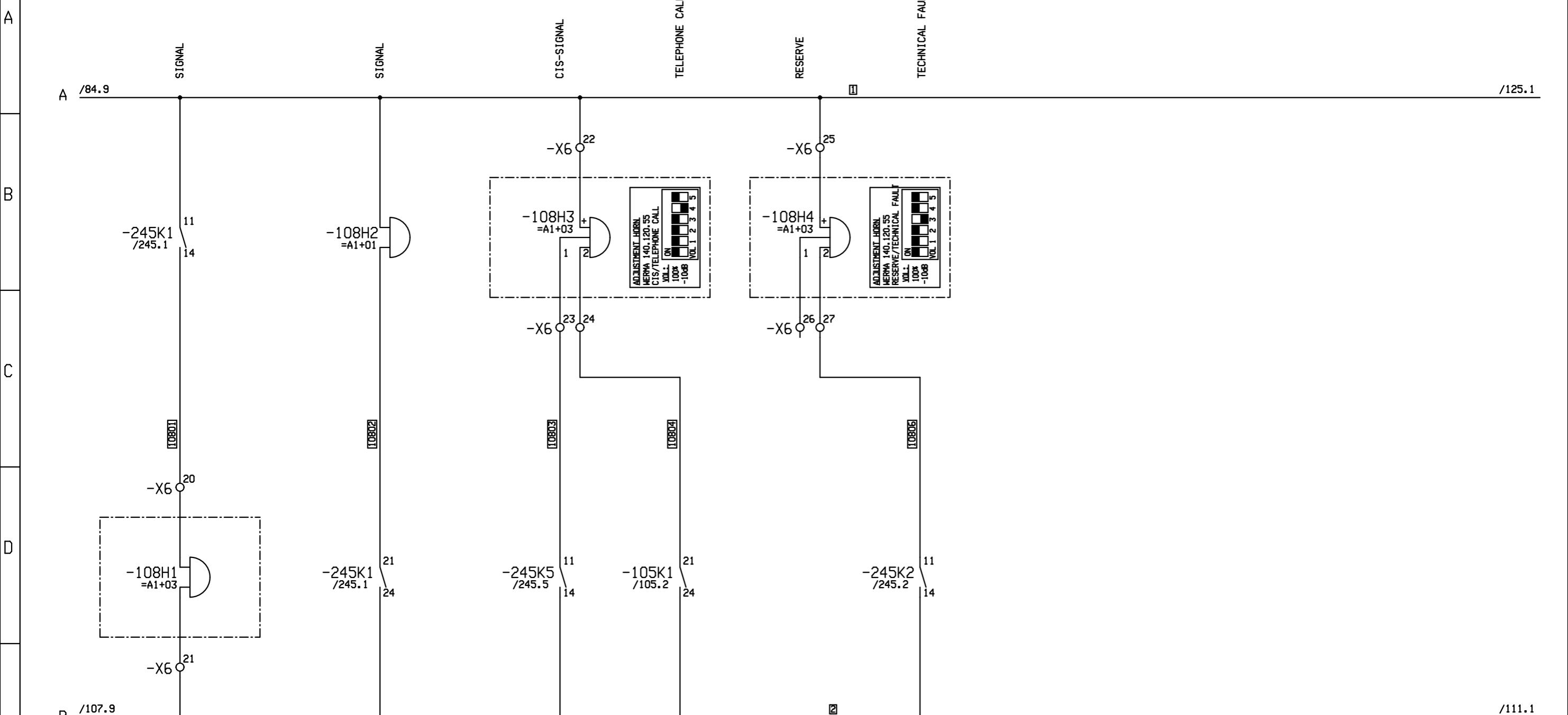
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Date 21.04.16

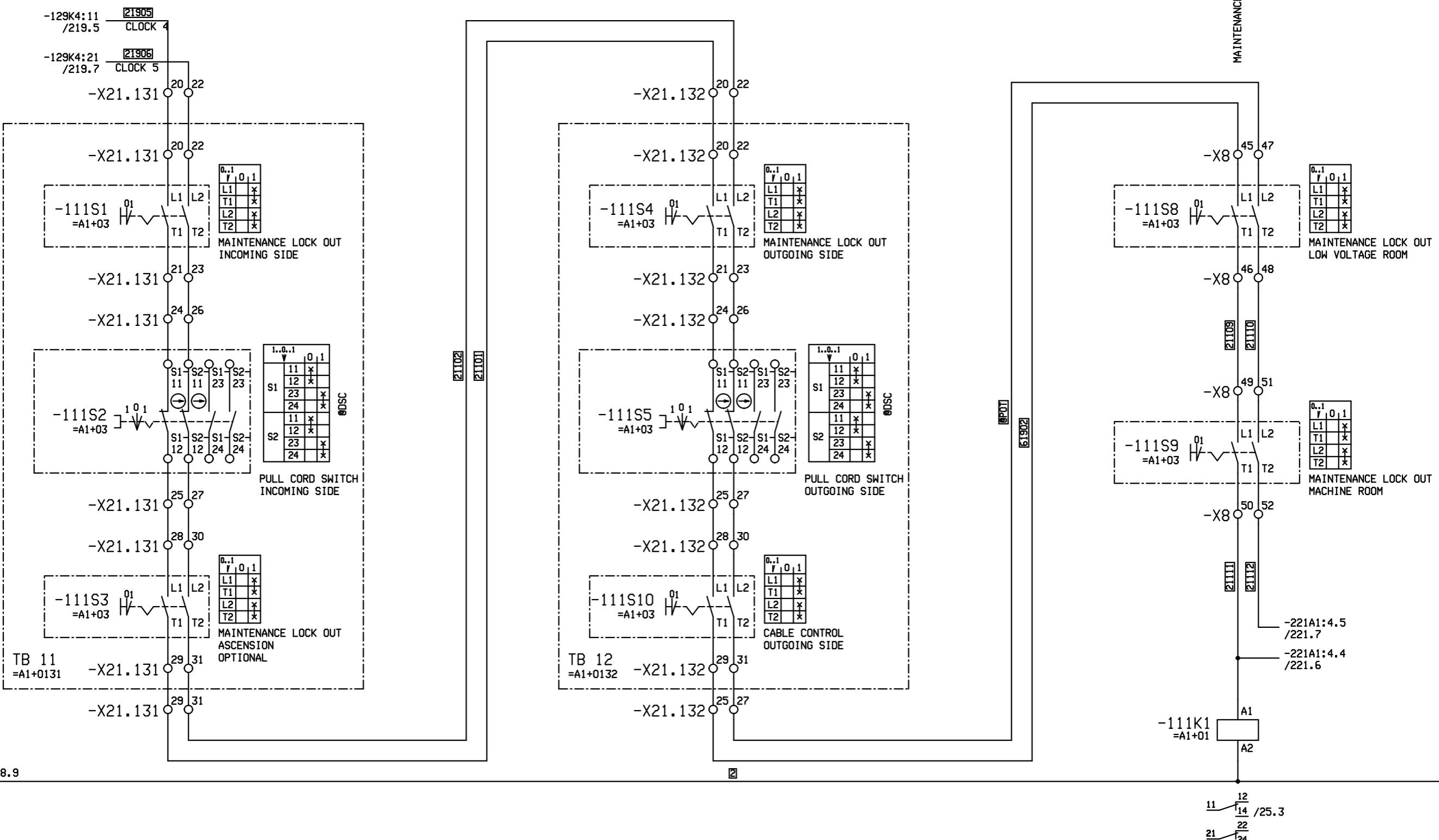
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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Revision	2.0	Drawn by	SST	10-
Date	13.10.16	Dr.ch.by	Fma	WA
File:		ANWAA4186		

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



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MAINTENANCE LOCK OUT

DRIVE STATUS

LV-CONTROL

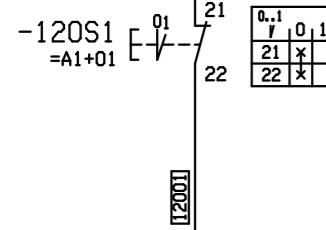
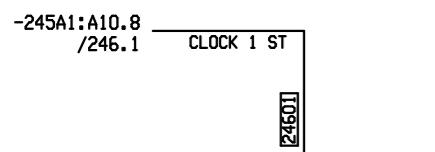
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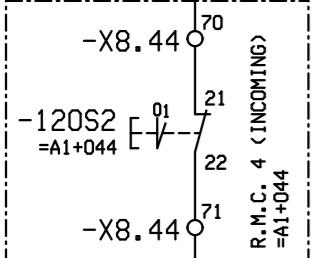
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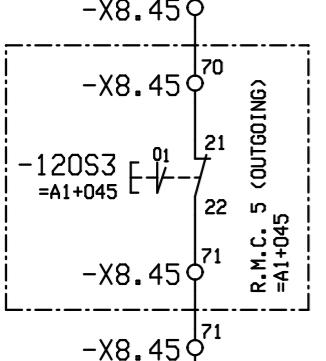


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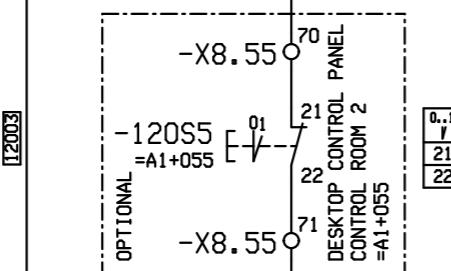
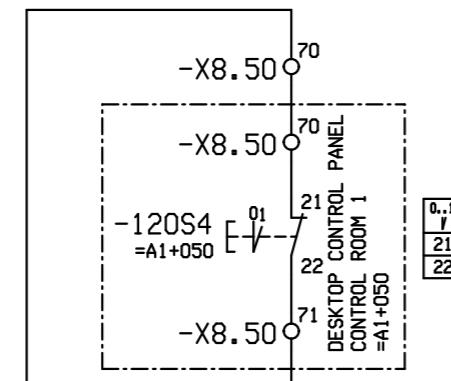
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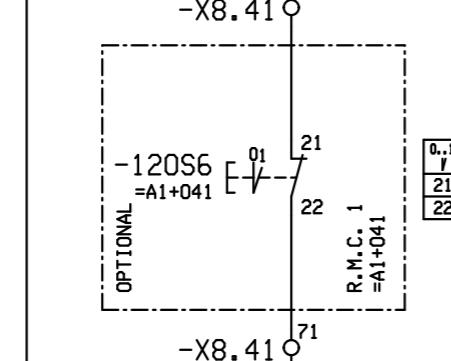
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-X8.45 O⁷¹

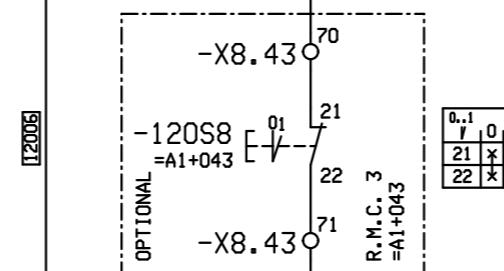
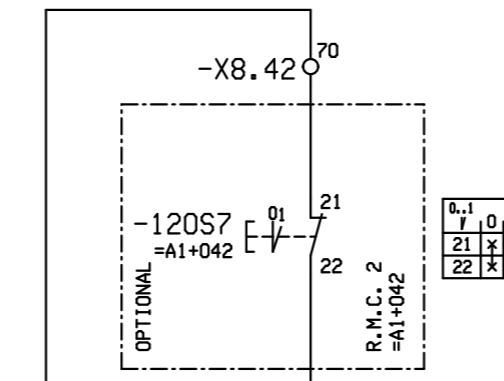


[12005]

-X8.55 O⁷¹
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R.M.C. 1 =A1+041



-X8.42 O⁷⁰
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R.M.C. 3 =A1+043



[12009]

-X8 O⁷²
-X8 O⁷²
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STOP BUTTONS

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/111.9

□

/122.1

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5

WAA0004186

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STOP BUTTONS

DRIVE STATION

LV-CONTROL

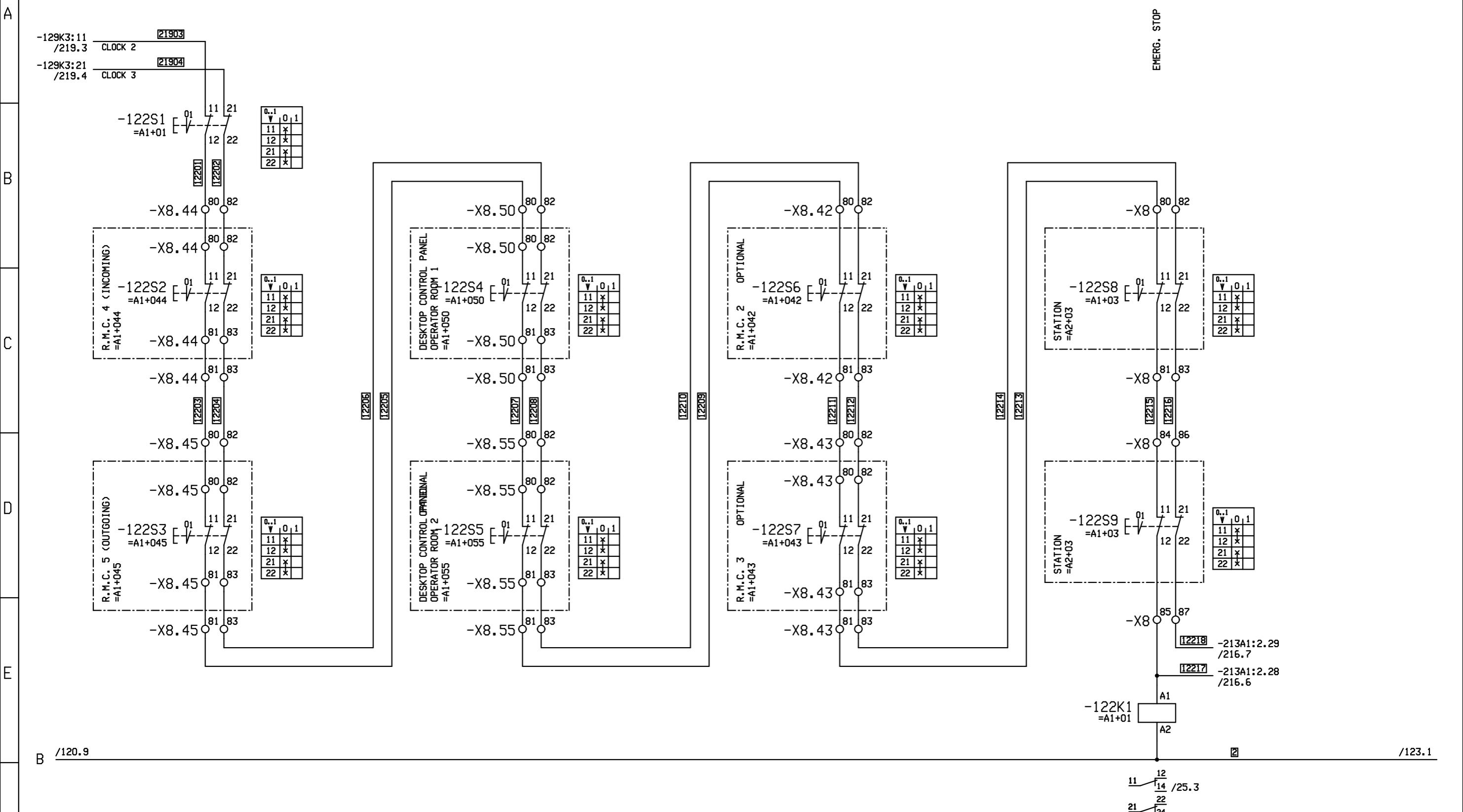
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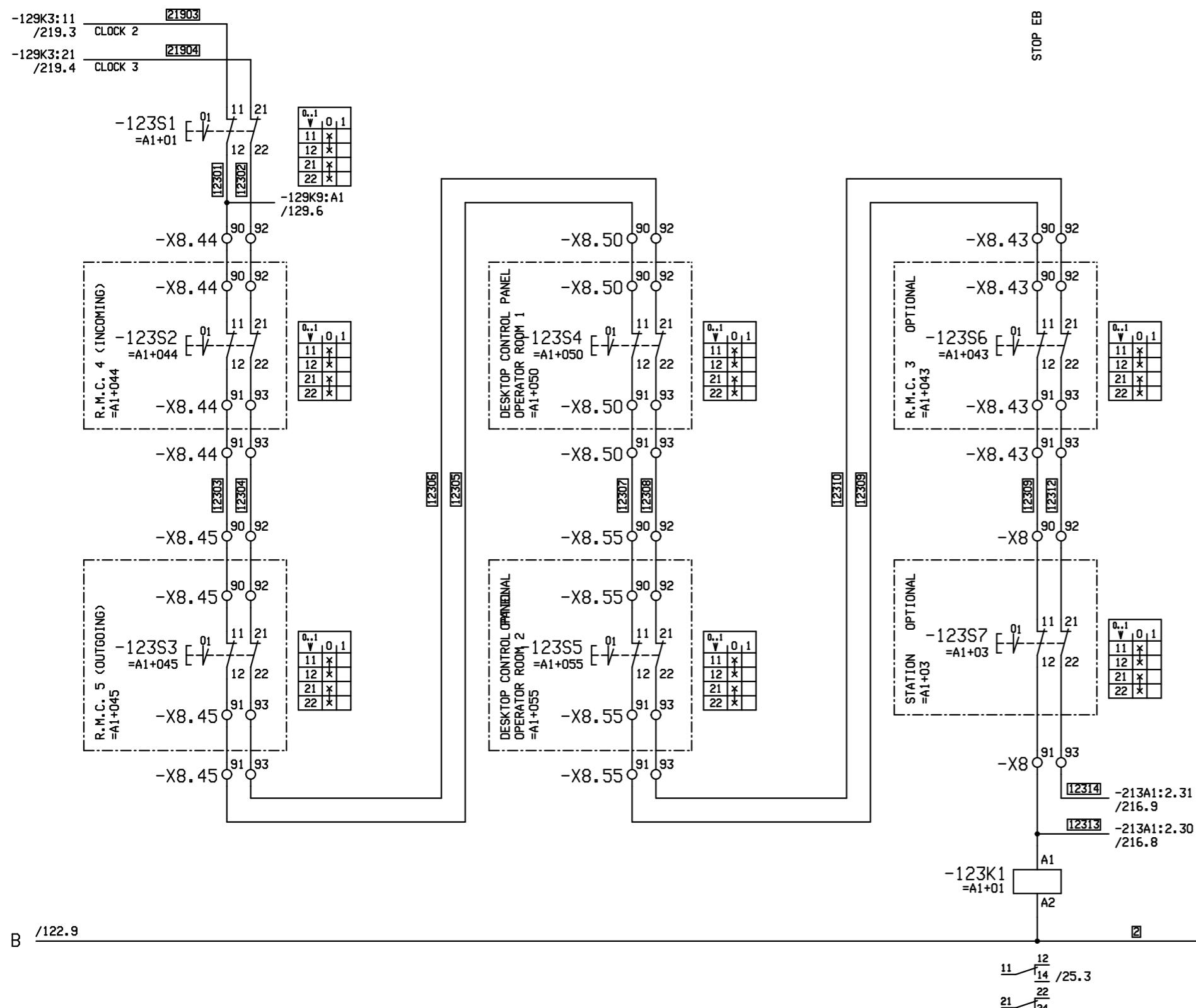
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File: ANWAA4186



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revision	2.0	Drawn by
date	13.10.16	Dr.ch.byr

10-MGD BaNa5
WAA0004186
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STOP FB BUTTONS

DRIVE STATION

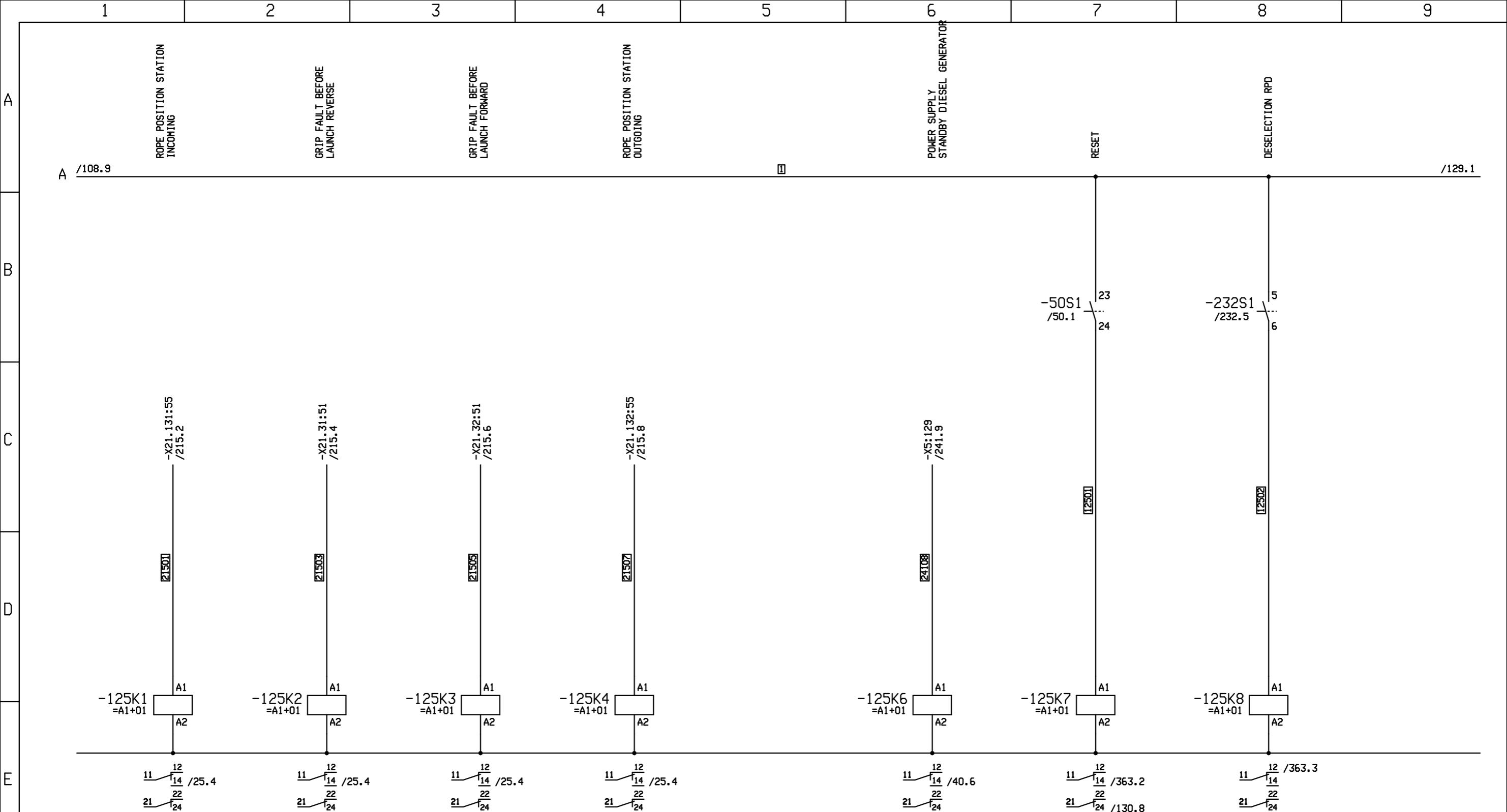
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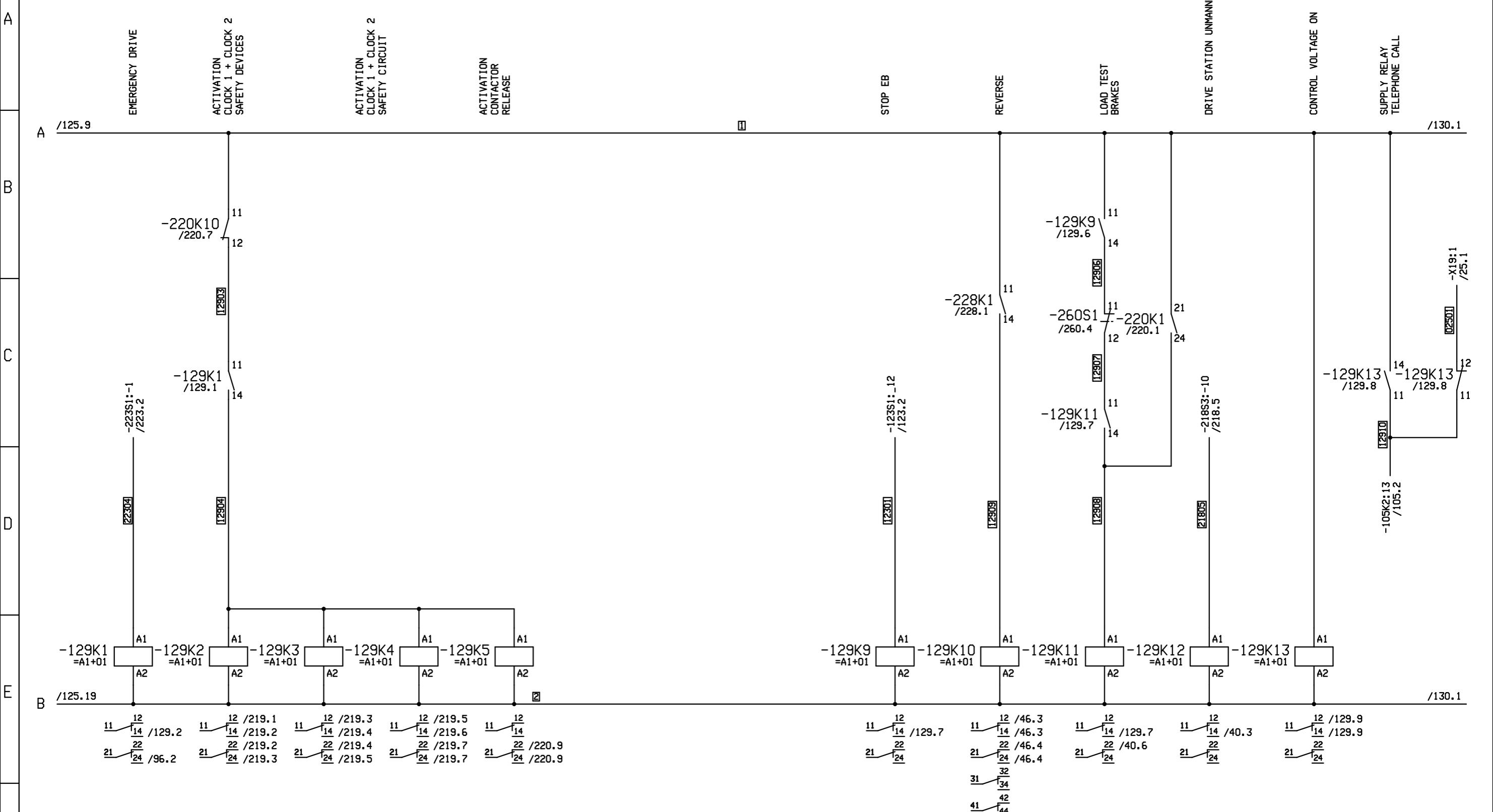
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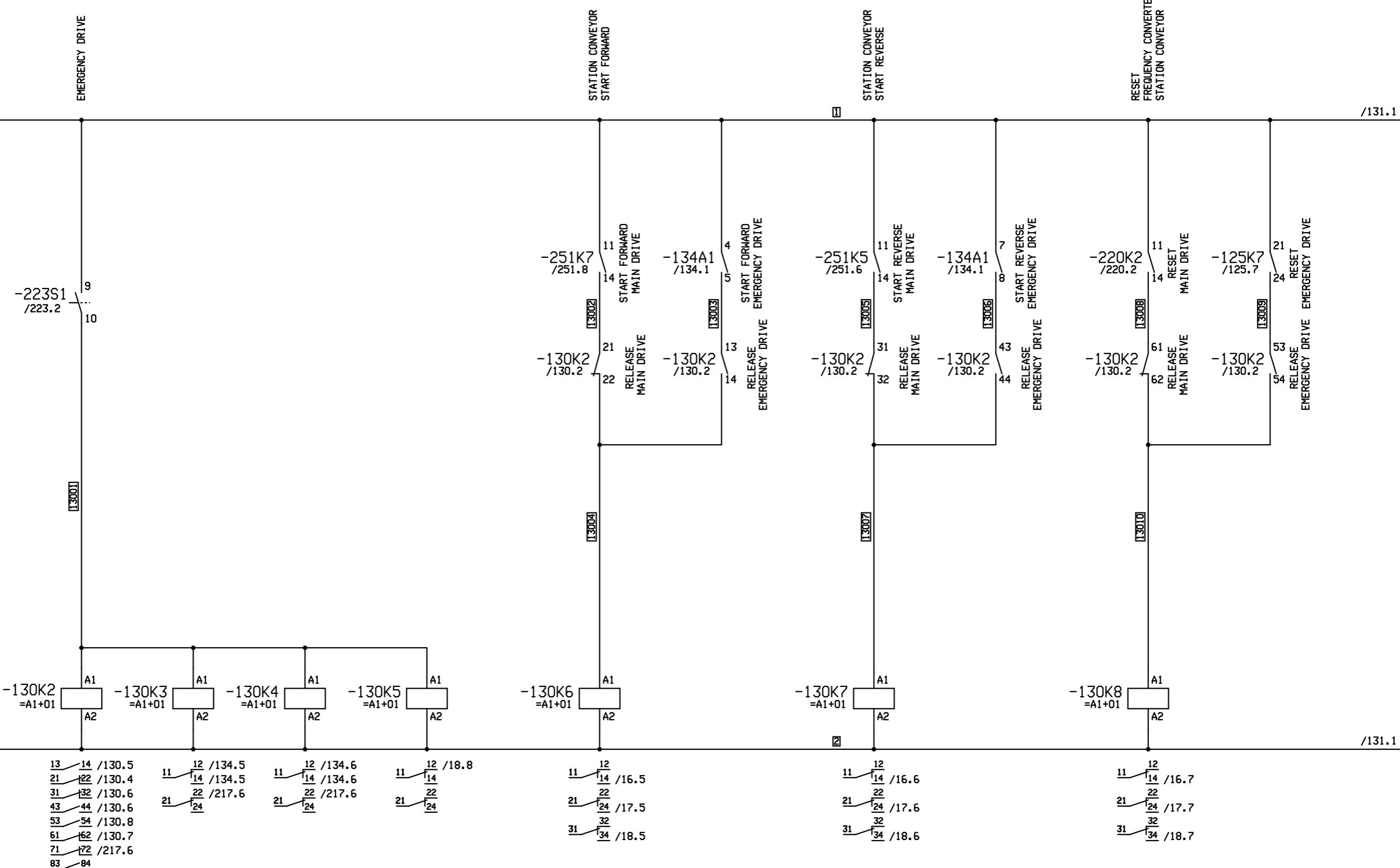


Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM		Doppelmayr® RELAY		=A1+01
Date	13.10.16	Dr.ch.bv	Fma					Date 13.10.16
File: ANWAA4186			DRIVE STATION				LV-CONTROL	
Sheet : 129				Cont.sheet: 130				



Revision 2.0 Drawn by SST 10

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Innova Patent GmbH
A-6960 WOLFIURT / AUSTRIA

STATION CONVEYOR

DRIVE STATION

LV-CONTROL

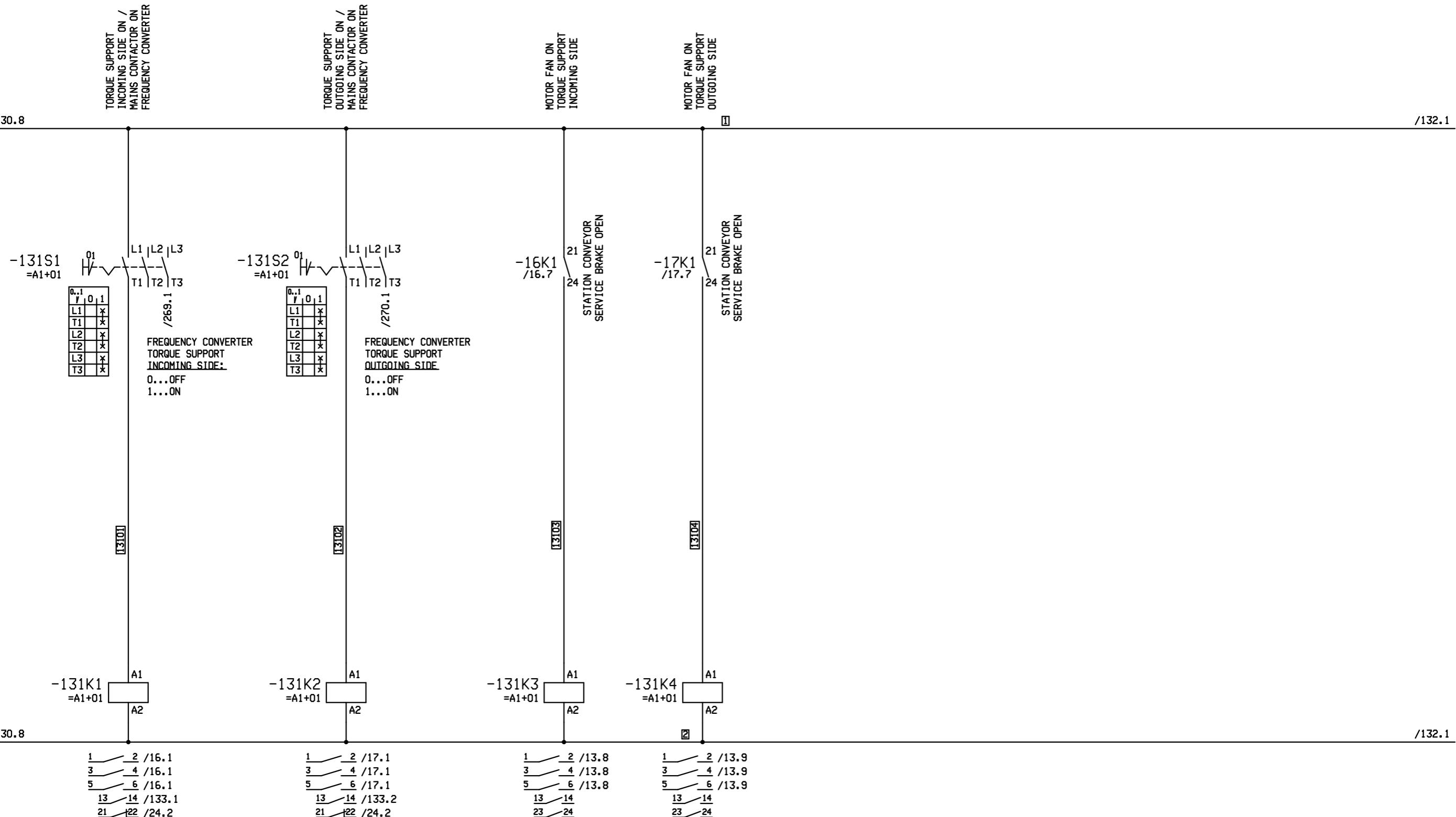
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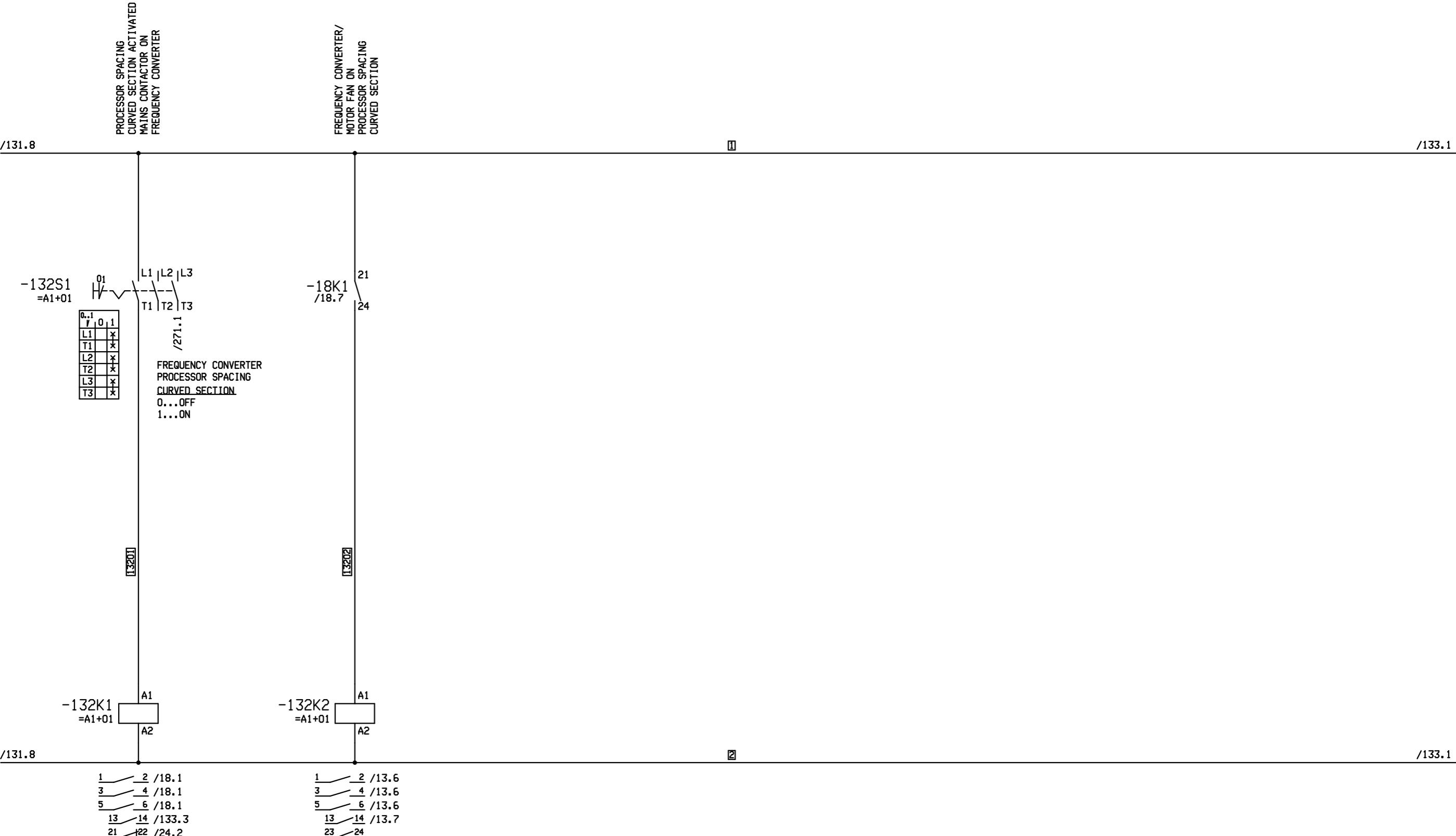
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Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	® STATION CONVEYOR	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 13.10.16
File:	ANWAA4186						Sheet : 131 Cont.sheet: 132
		DRIVE STATION		LV-CONTROL			



Revision	2.0	Drawn by	SST	10-
Date	13.10.16	Dr.ch.by	Fma	WAA
File: ANWAA4186				DAN

10-MGD BaNa5
WAA0004186
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Innova Patent GmbH
A-6960 WOLFLURT / AUSTRIA

STATION CONVEYOR

[View Details](#)

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Date 13.10.1

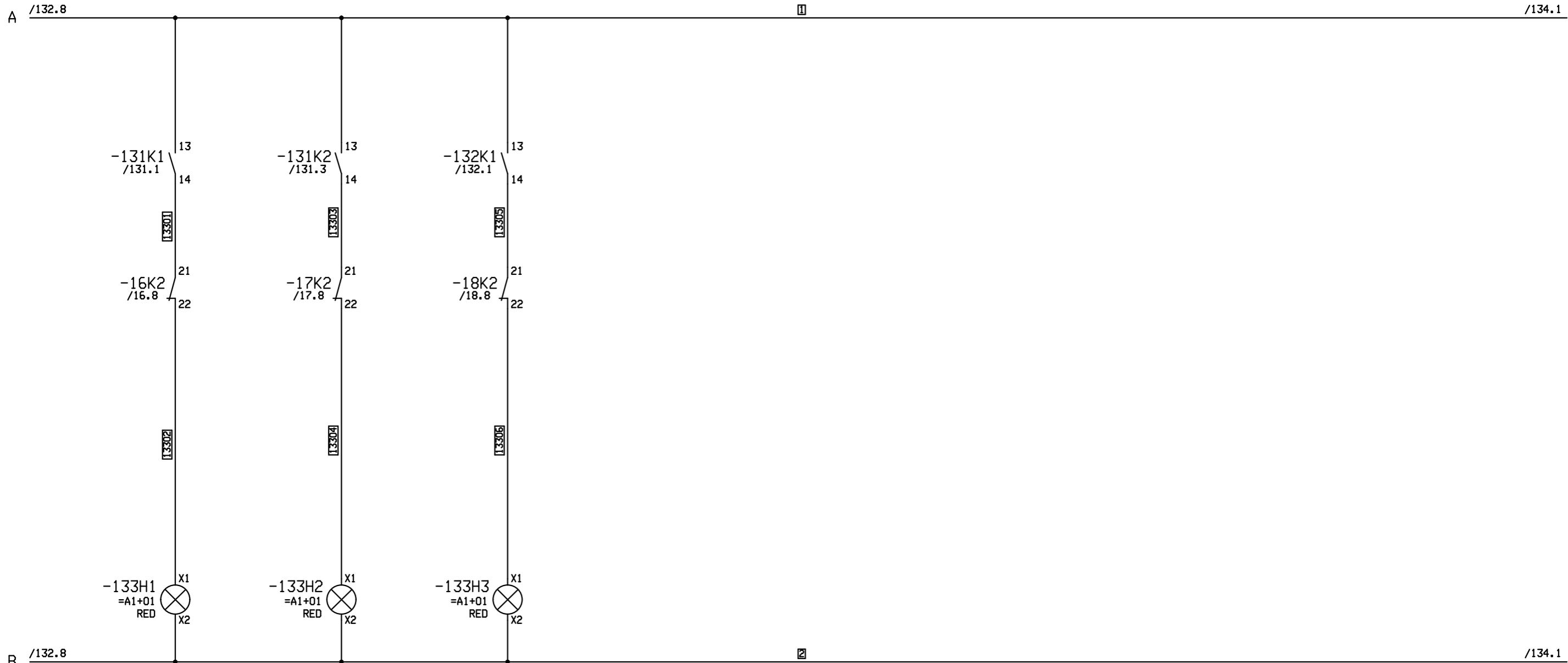
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TECHNICAL FAULT
FREQUENCY CONVERTER
TORQUE SUPPORT
INCOMING SIDE

TECHNICAL FAULT
FREQUENCY CONVERTER
TORQUE SUPPORT
OUTGOING SIDE

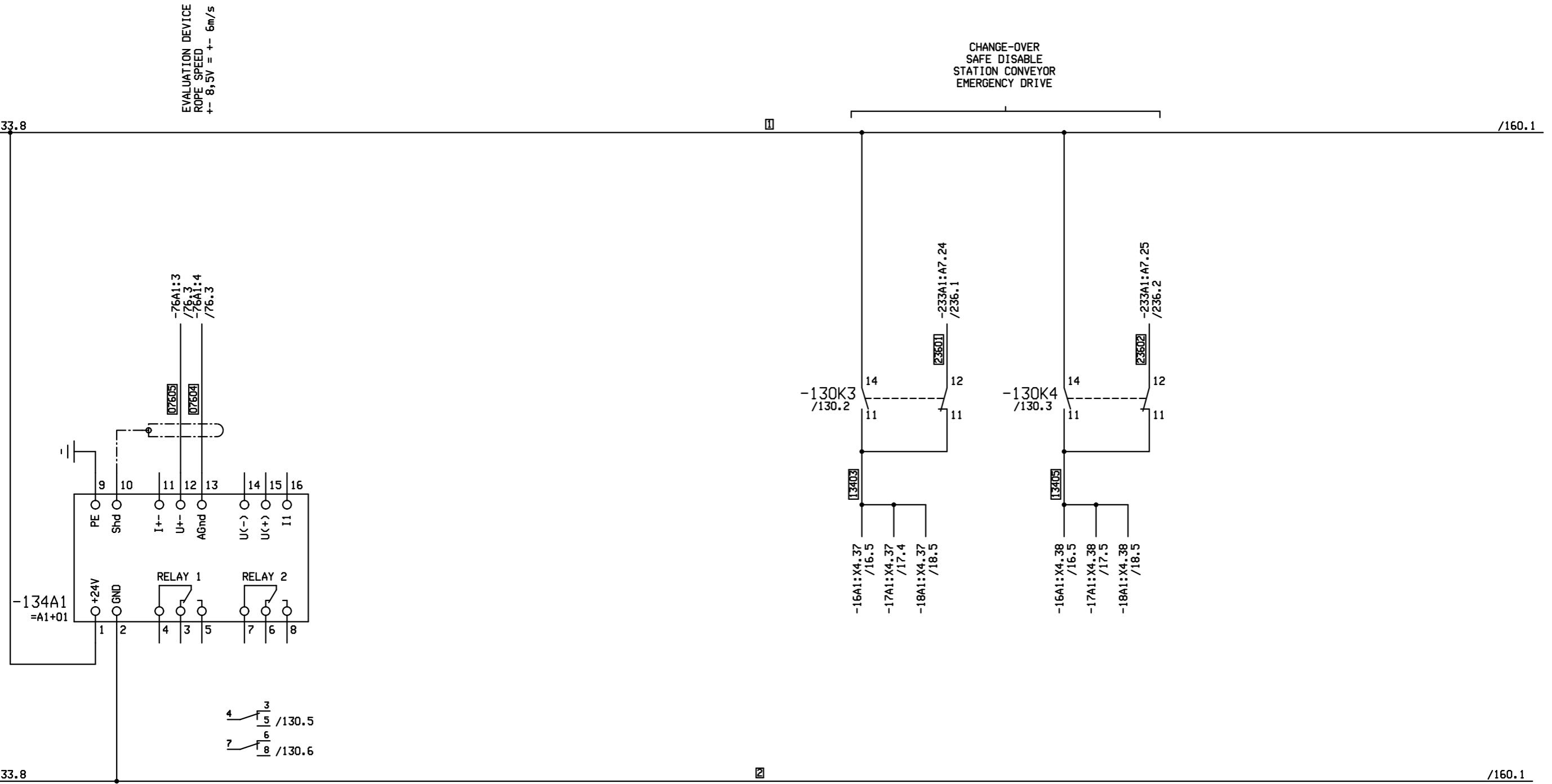
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PROCESSOR SPACING
CURVED SECTION



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
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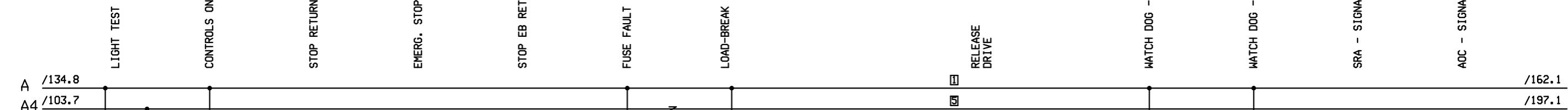
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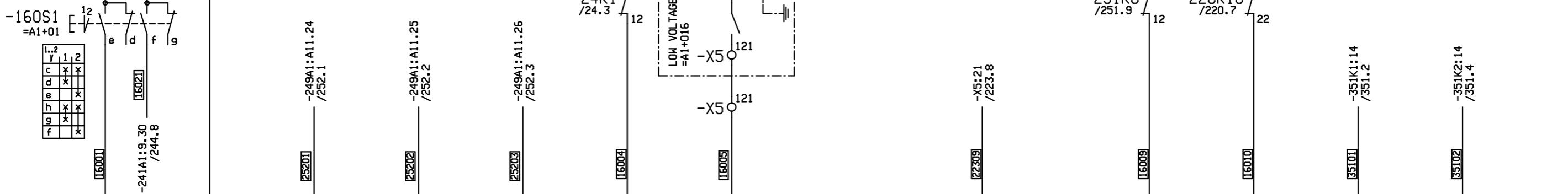
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Date	13.10.16	Dr.ch.by	Fma				Date 13.10.16
File:	ANWAA4186						Sheet : 134 Cont.sheet: 160

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Revision	2.0	Drawn by	SST
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10-MGD BaNa5 WAA0004186 DANANG / VIETNAM			
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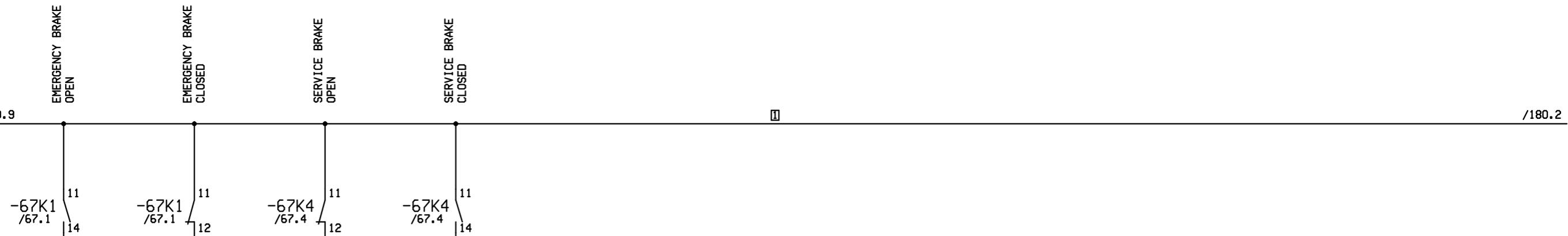
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CONTROL LIGHTS

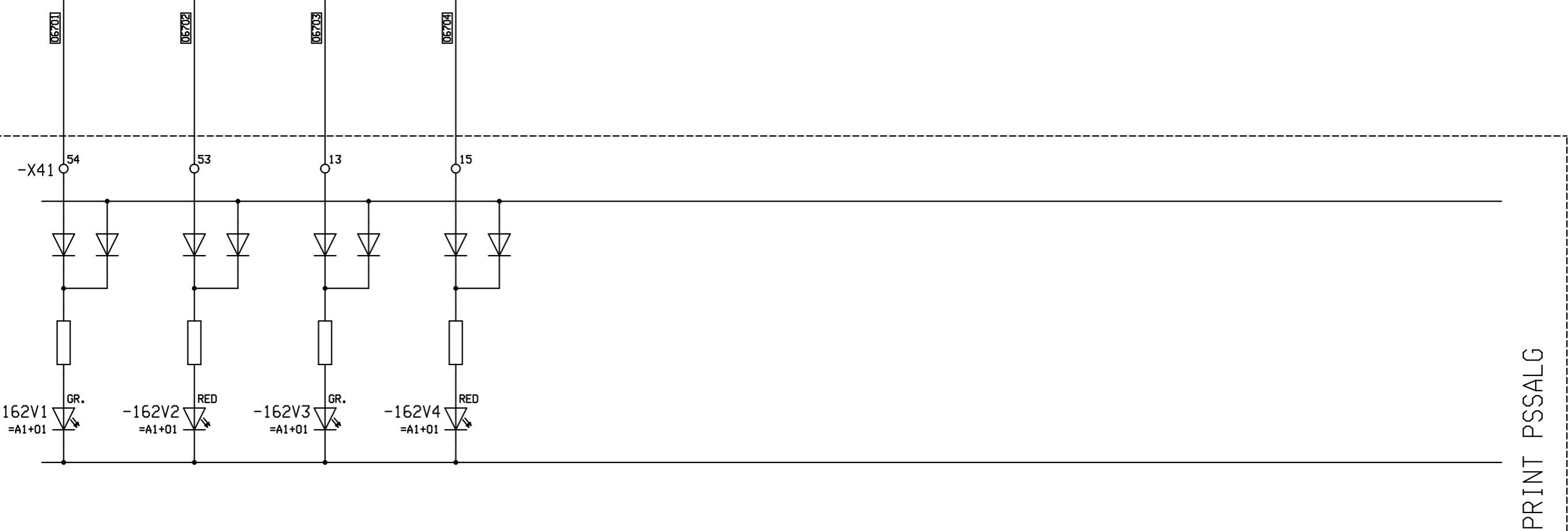
DRIVE STATION

LV-CONTROL

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Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>	=A1+01
Date	13.10.16	Dr.ch.by	Fma			Date 21.04.16
File:	ANWAA4186					Sheet : 162 Cont.sheet: 168



CONTROL LIGHTS

DRIVE STATION

LV-CONTROL

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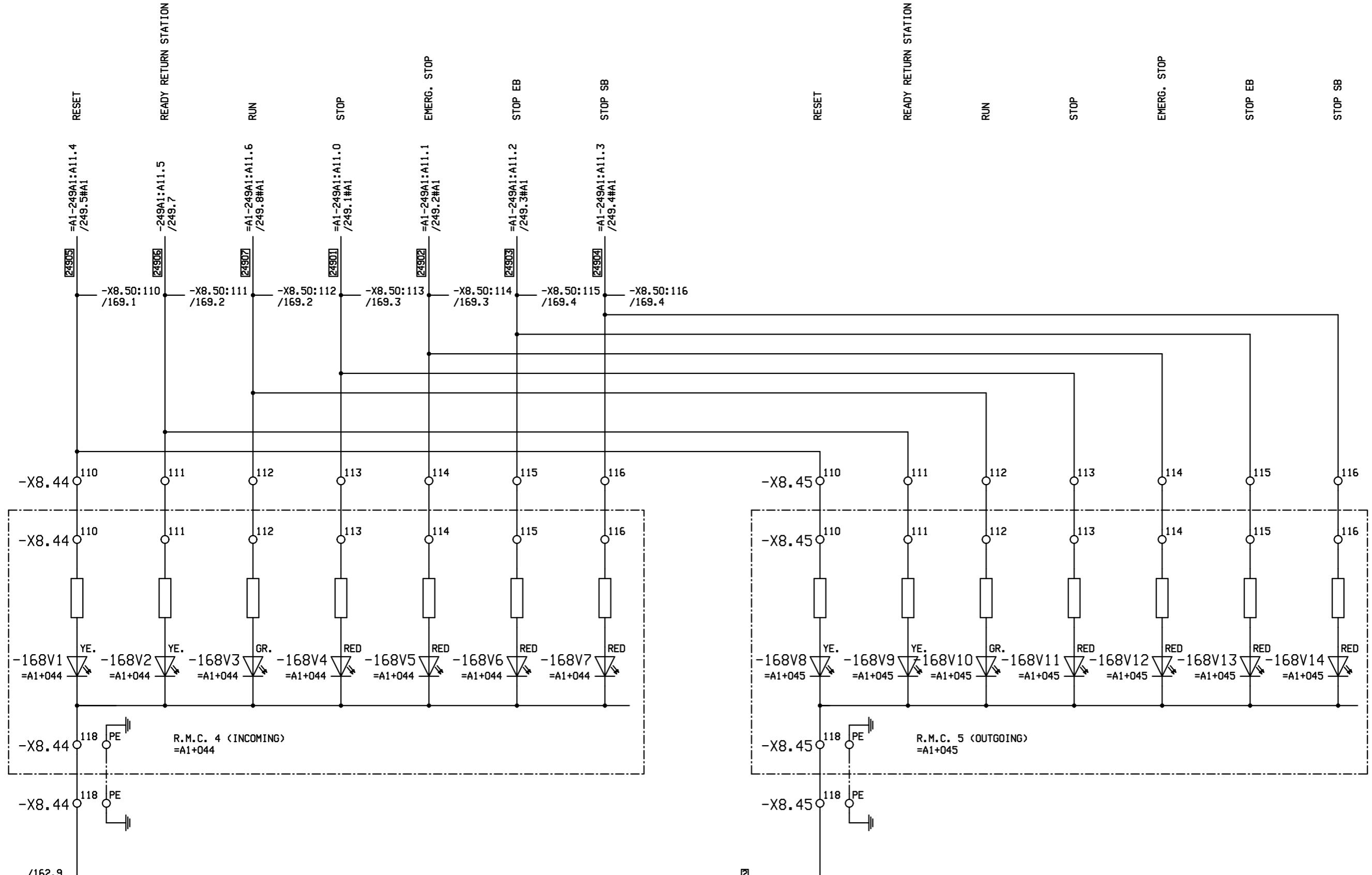
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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA



CONTROL LIGHTS

DRIVE STATION

LV-CONTROL

=A1+01

Date 21.04.16

Sheet : 168

Cont.sheet: 169

A

READY RETURN STATION
RESET

RUN

STOP

EMERG. STOP

STOP EB

STOP SB

RESET

READY RETURN STATION

RUN

STOP

EMERG. STOP

STOP EB

STOP SB

B

24905 -X8.44:110 /168.1
24906 -X8.44:111 /168.2
24907 -X8.44:112 /168.2
24901 -X8.44:113 /168.3
24902 -X8.44:114 /168.3
24903 -X8.44:115 /168.4
24904 -X8.44:116 /168.4

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-X8.50 110
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D

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-X8.50 118 PE
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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

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Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

® CONTROL LIGHTS
DRIVE STATION LV-CONTROL
Sheet : 169
Cont.sheet: 170

A

RESET

READY RETURN STATION

RUN

STOP

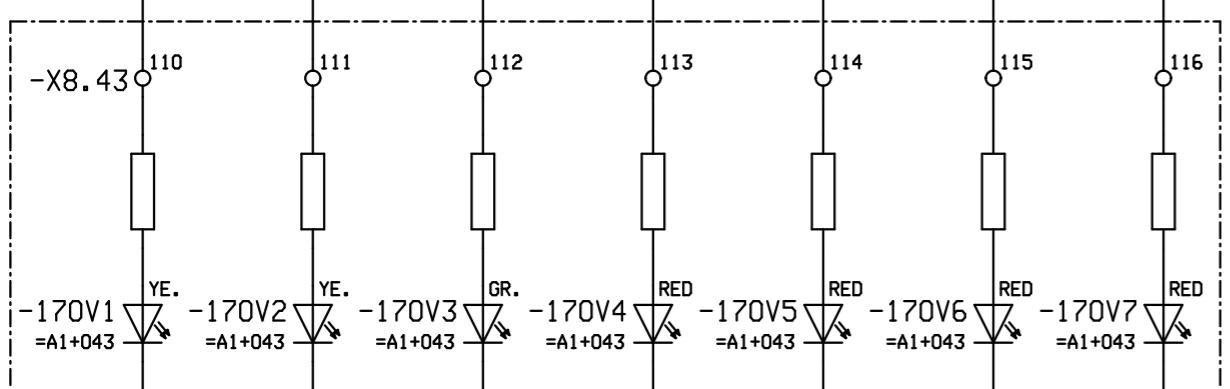
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STOP SB

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-X8.43 118 PE

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/180.2

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File: ANWAA4186

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

D Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

® CONTROL LIGHTS

DRIVE STATION

LV-CONTROL

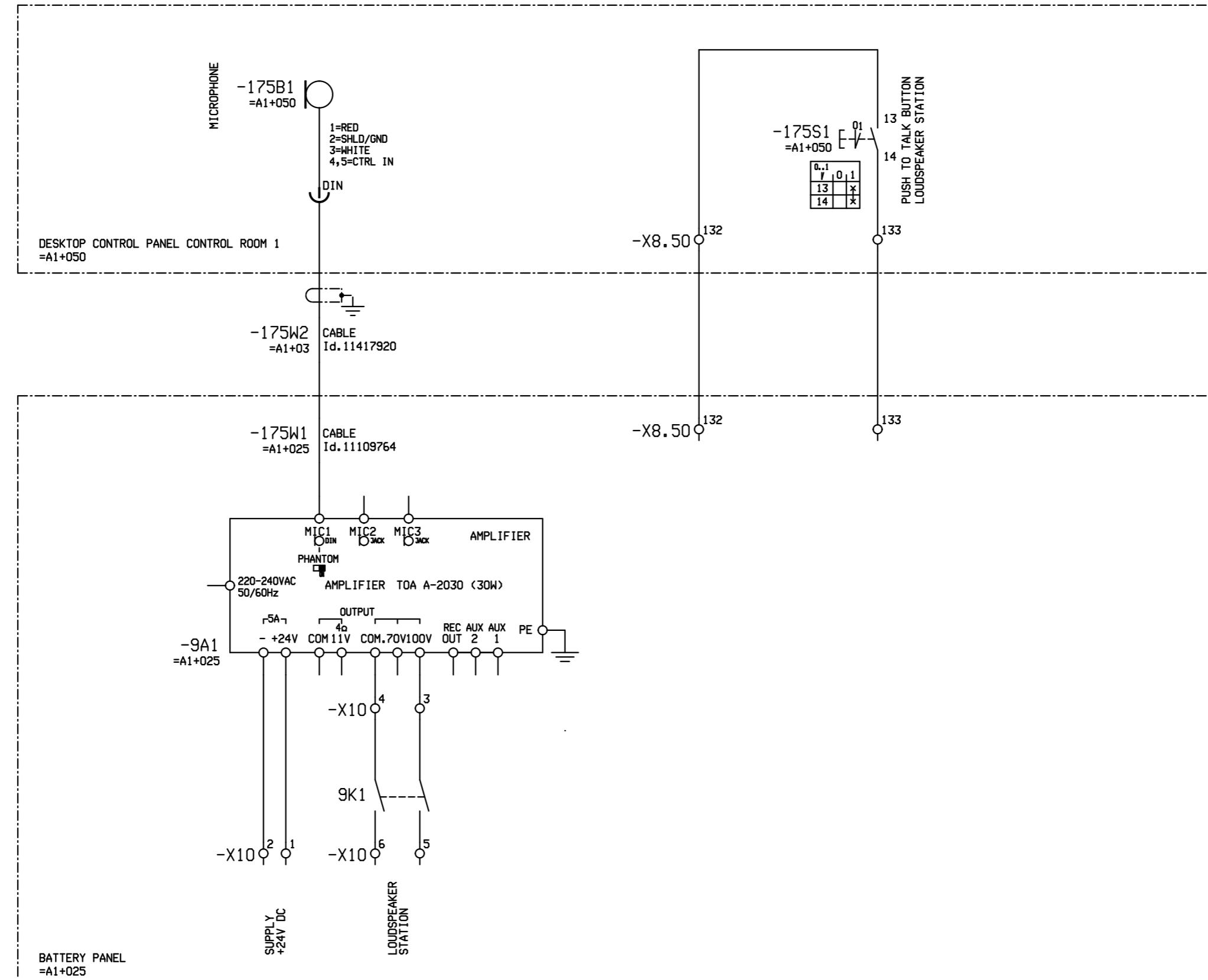
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Date 21.04.16

Sheet : 170

Cont.sheet: 175

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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

File: ANWAA4186

10-MGD BaNa5

WAA0004186

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Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

LOUDSPEAKER EQUIPMENT

DRIVE STATION

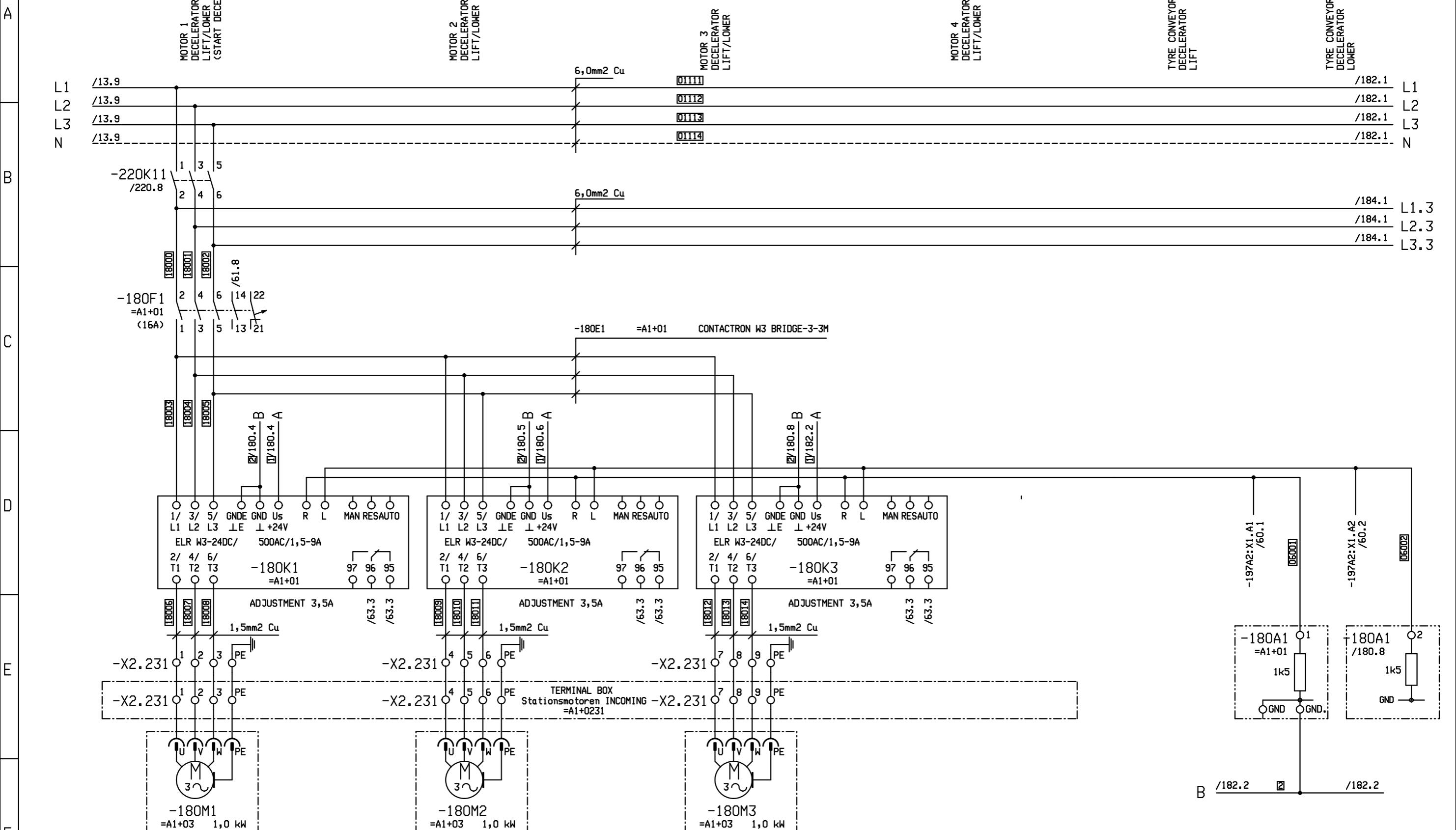
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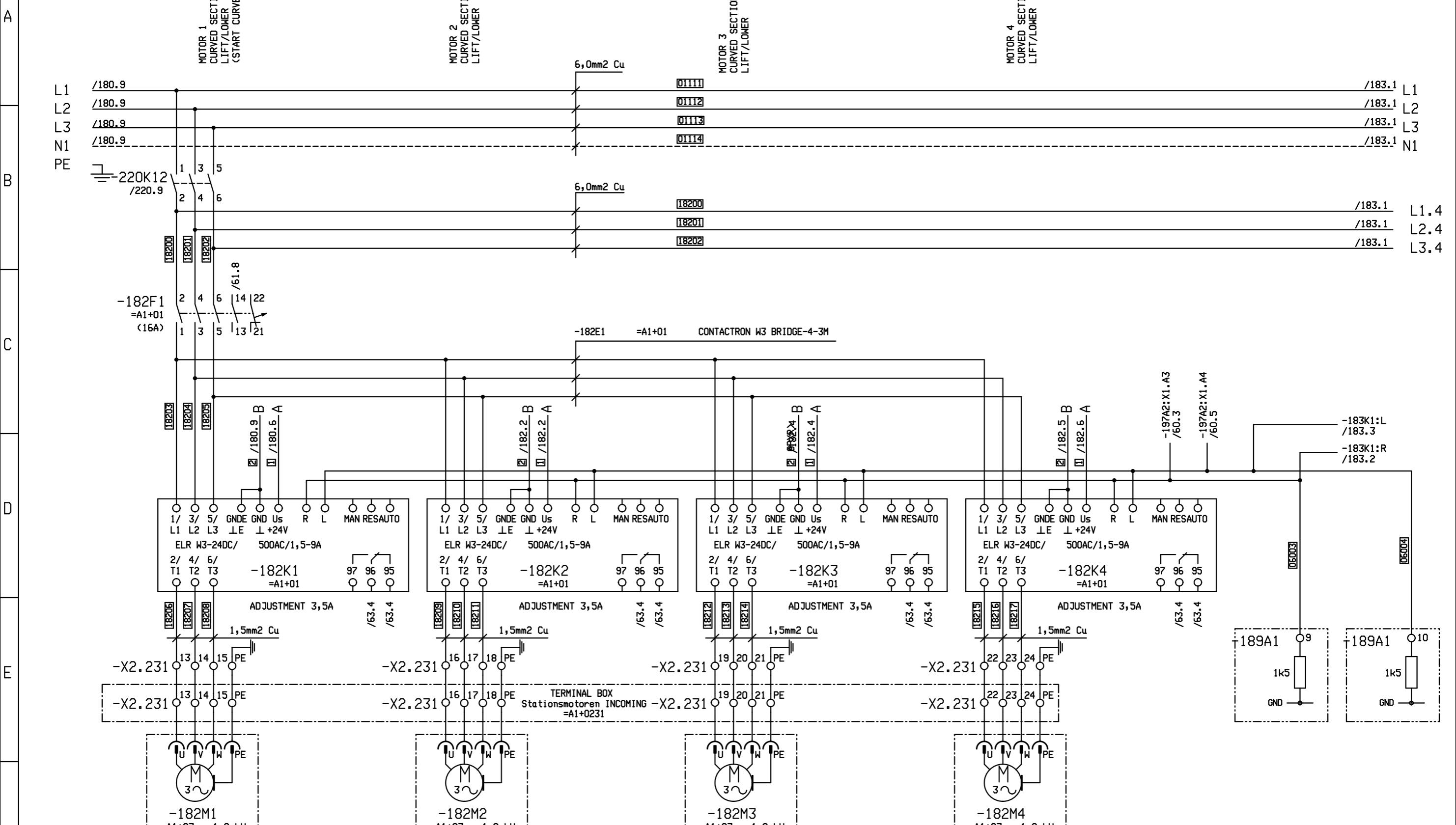
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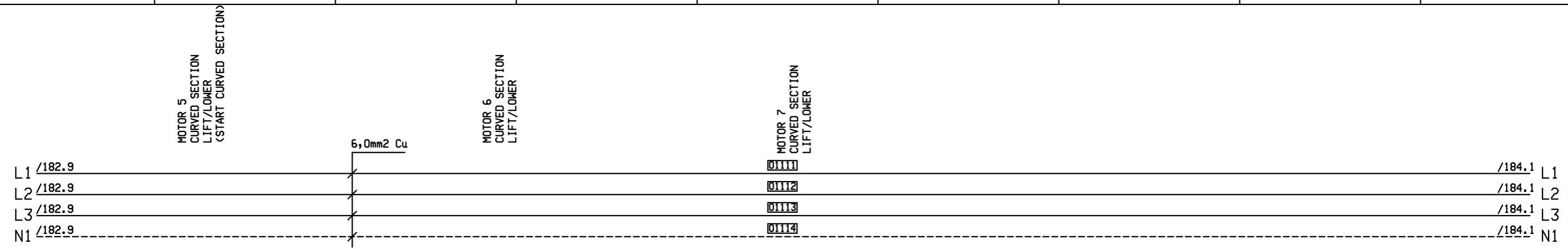


Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
Date	13.10.16	Dr.ch.bv	Fma			Date 04.05.17
File:	ANWAA4186					Sheet : 180 Cont.sheet: 182



Revision	2.0	Drawn by	SST	MOTORS - TYRE CONVEYOR CURVED SECTION			=A1+01		
Date	13.10.16	Dr.ch.bv	Fma				Date 04.05.17		
File: ANWAA4186				DRIVE STATION					
Innova Patent GmbH A-6960 WOLFURT / AUSTRIA				LV-CONTROL					
Doppelmayr						Sheet : 182			Cont.sheet: 183

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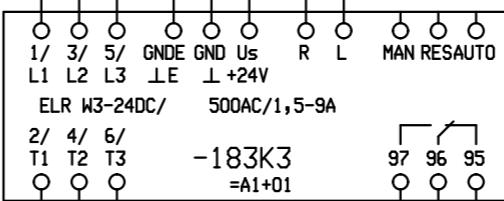
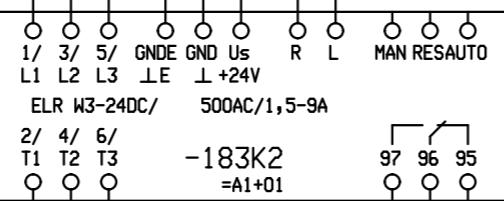
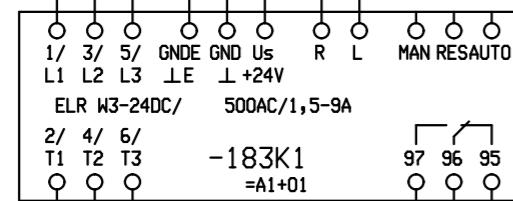


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L3.4 /182.9 18202

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-182K8TRR /182.7 06003



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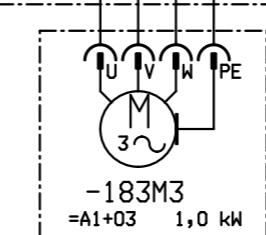
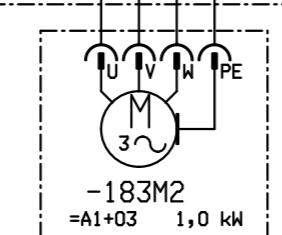
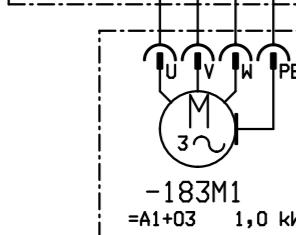
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/184.1 N1

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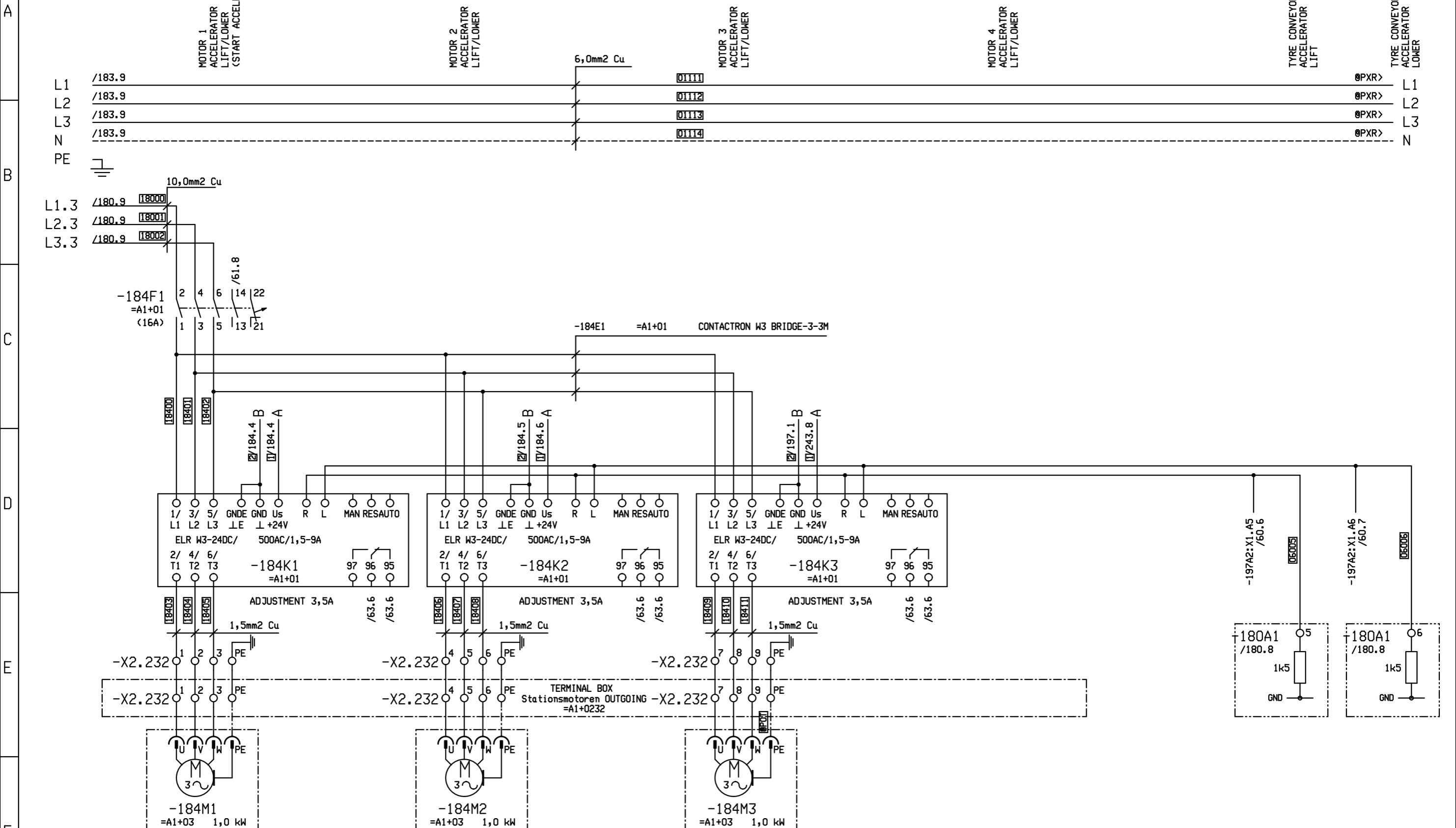
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Revision	2.0	Drawn by	SST		=A1+01
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Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA					
MOTORS - TYRE CONVEYOR CURVED SECTION					
DRIVE STATION			LV-CONTROL		
					Sheet : 183
					Cont.sheet: 184

File: ANWAA4186



Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	® MOTORS - TYRE CONVEYOR ACCELERATOR	=A1+01
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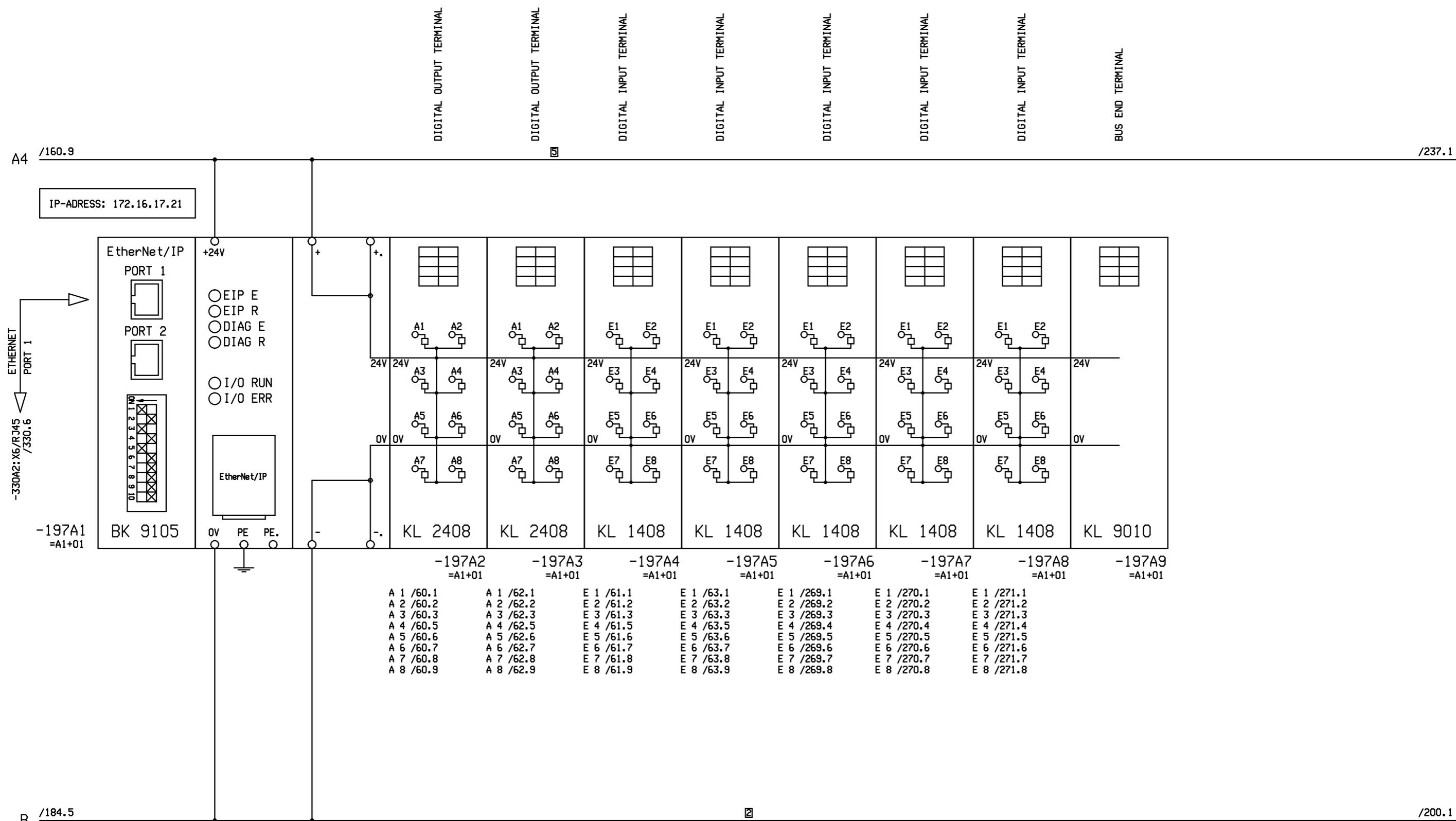
DRIVE STATION

LV-CONTROL

Sheet : 184

Cont.sheet: 197

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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

IN-OUTPUT MODULE BECKHOFF

DRIVE STATION

LV-CONTROL

=A1+01

Date 25.07.16

Sheet : 197

Cont.sheet: 200

A

B

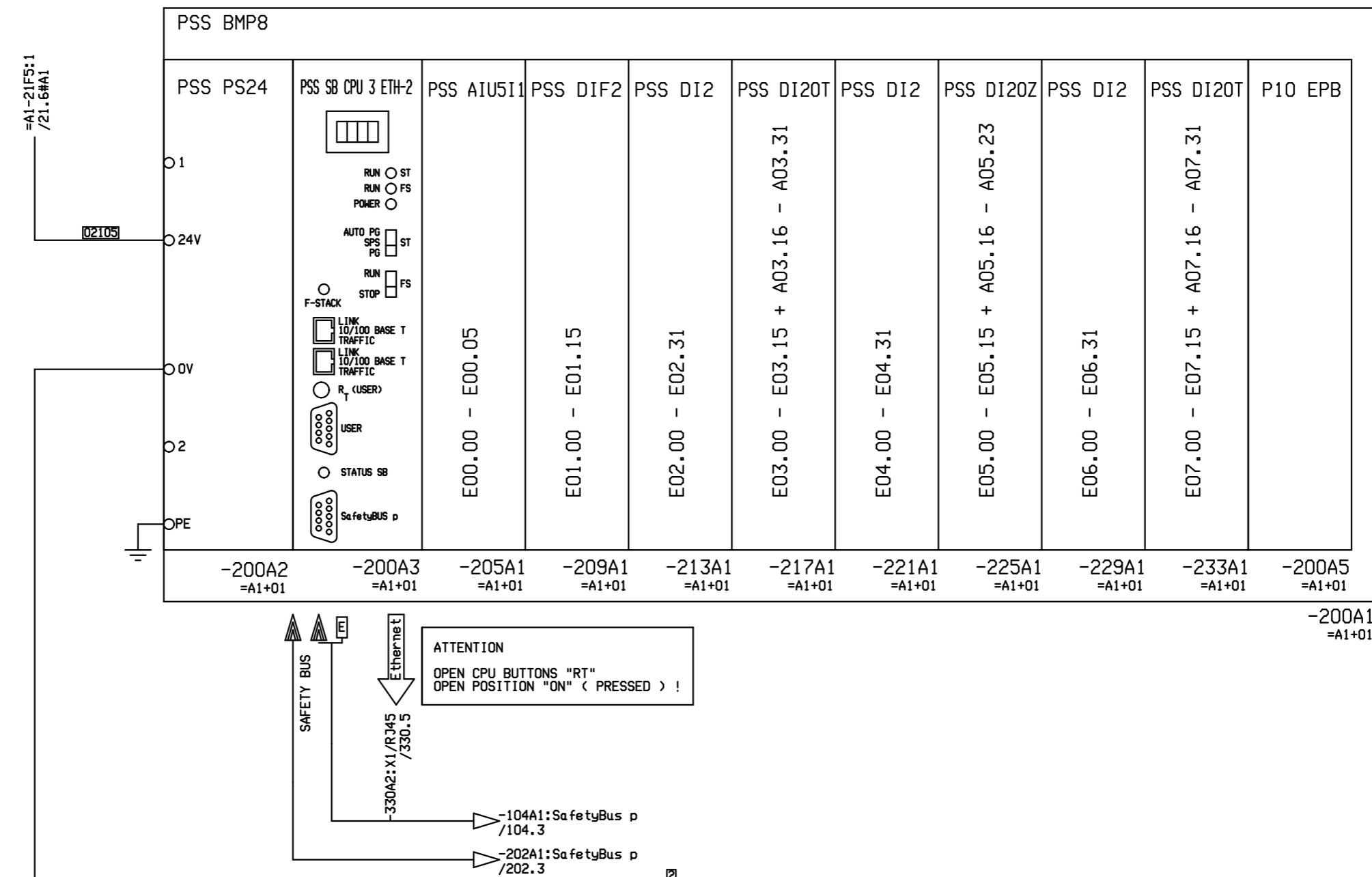
6

1

5

B /197.9

/201.1



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			1 W D

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Innova Patent GmbH
A-6960 WOLFLURT / AUSTRIA

POWER SUPPLY PC-SYSTEM

DRIVE STATIC

LIV CONTROL

=A1+01

01 04 16

sheet : 200

Part sheet: 201

A

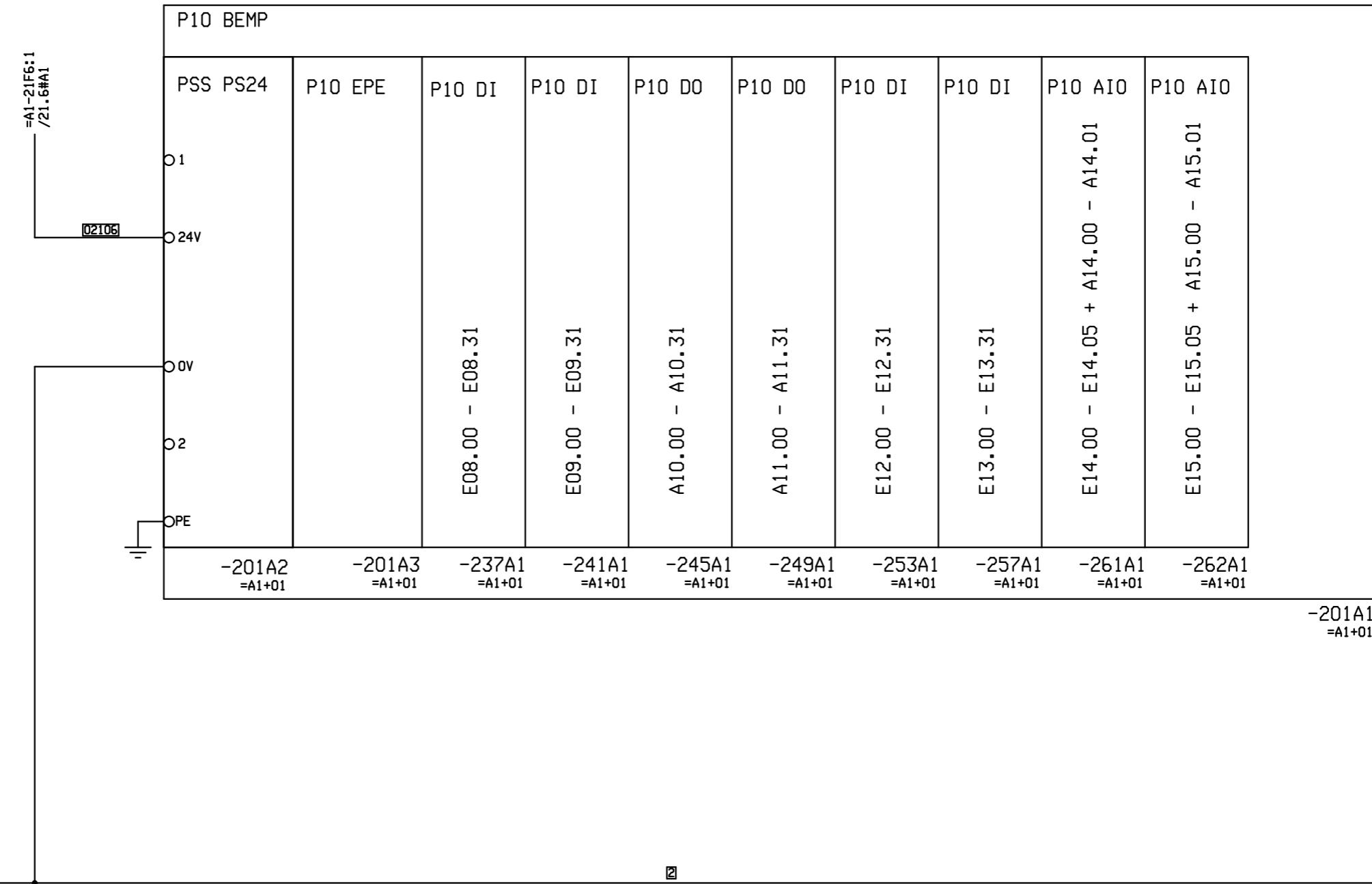
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D

E

B



Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr [®] Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	POWER SUPPLY PC-SYSTEM		=A1+01	
Date	13.10.16	Dr.ch.by	Fma			DRIVE STATION		LV-CONTROL	
File:	ANWAA4186		Sheet :			201		Cont.sheet:	202

A

HEAD MODULE

VOLTAGE MODULE

DIGITAL INPUT TERMINAL

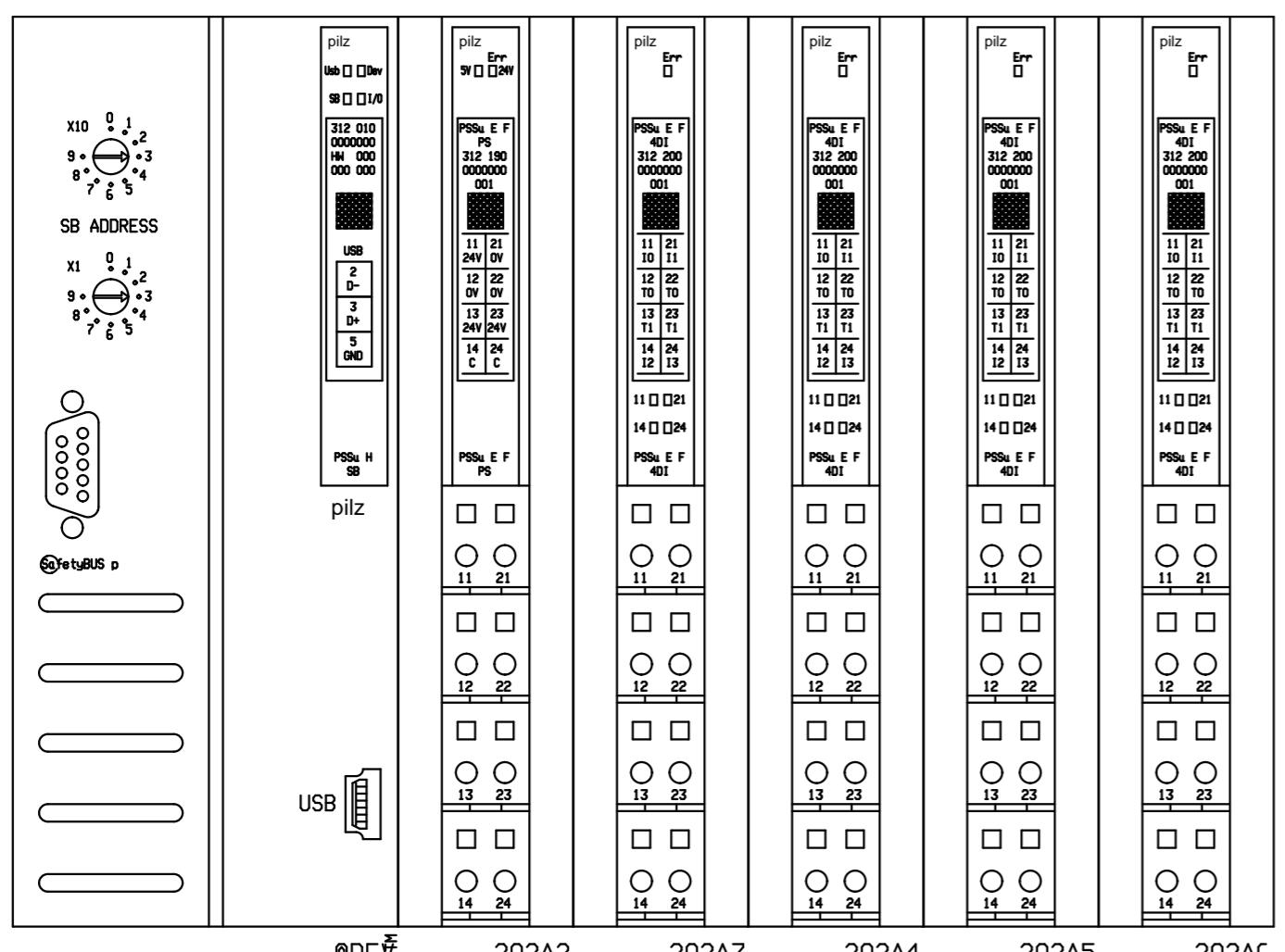
DIGITAL INPUT TERMINAL

DIGITAL INPUT TERMINAL

POWER SUPPLY VOLTAGE MODULE

POWER SUPPLY IN-OUTPUT MODULE

A9 /21.7

@DEV E
@EQP@PLC-202A2
=A1+01-202A3
=A1+01-202A4
=A1+01-202A5
=A1+01-202A6
=A1+01

E 24V /202.8	E 33.0 /285.4	E 33.4 /286.4	E 33.8 /287.4	E 33.12 /288.4
E 0V /202.8	E 33.1 /285.7	E 33.5 /286.8	E 33.9 /287.7	E 33.13 /288.8
E 0V /202.9	E 33.2 /285.4	E 33.6 /286.5	E 33.10 /287.4	E 33.14 /288.5
E 0V /202.9	E 33.3 /285.8	E 33.7 /286.9	E 33.11 /287.8	E 33.15 /288.9
E 24V /202.9	A T0 /285.2	A T0 /286.2	A T0 /287.2	A T0 /288.2
E 24V	A T0 /285.5	A T0 /286.6	A T0 /287.5	A T0 /288.6
E C	A T1 /285.2	A T1 /286.2	A T1 /287.2	A T1 /288.2
E C	A T1 /285.6	A T1 /286.6	A T1 /287.6	A T1 /288.6

B /201.9

/205.1

-202A2
/202.3

11 -202A2
/202.3

11 -202A2
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13

11 @SYM
E 24V

13 @SYM
E 24V

-202A2
/202.3

21 -202A2
/202.3

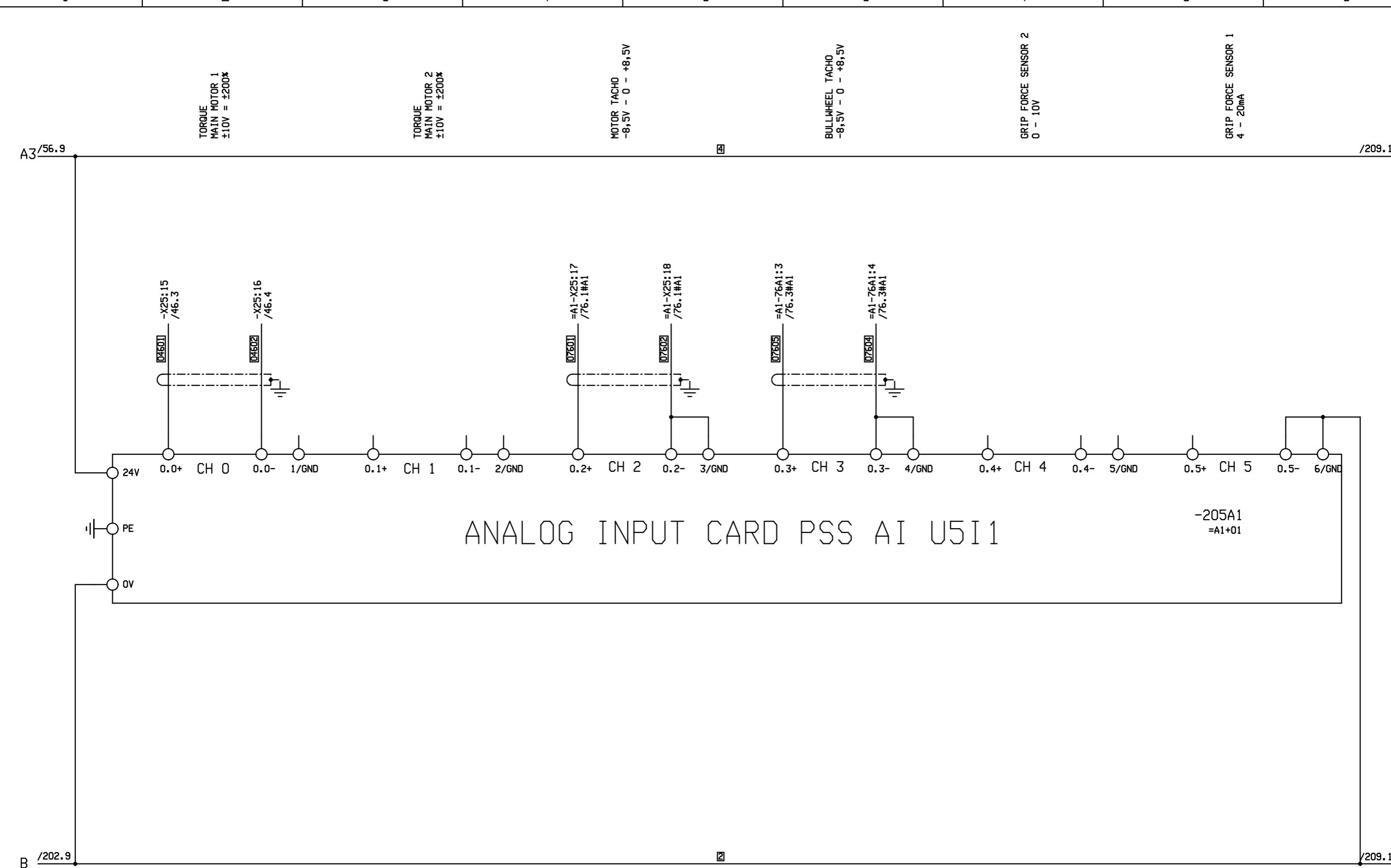
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/202.3

12

11 @SYM
E 0V

13 @SYM
E 0V

Revision	2.0	Drawn by	SST	=A1+01					
Date	13.10.16	Dr.ch.bv	Fma						
File: ANWAA4186		SAFETYBUS EXTENSION EW33							
		Doppelmayr							
10-MGD BaNa5 WAA0004186 DANANG / VIETNAM		Innova Patent GmbH A-6960 WOLFURT / AUSTRIA							
DRIVE STATION			LV-CONTROL						
						Sheet : 202			
						Cont.sheet: 205			



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
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ANALOG INPUT (FS)

DRIVE STATION

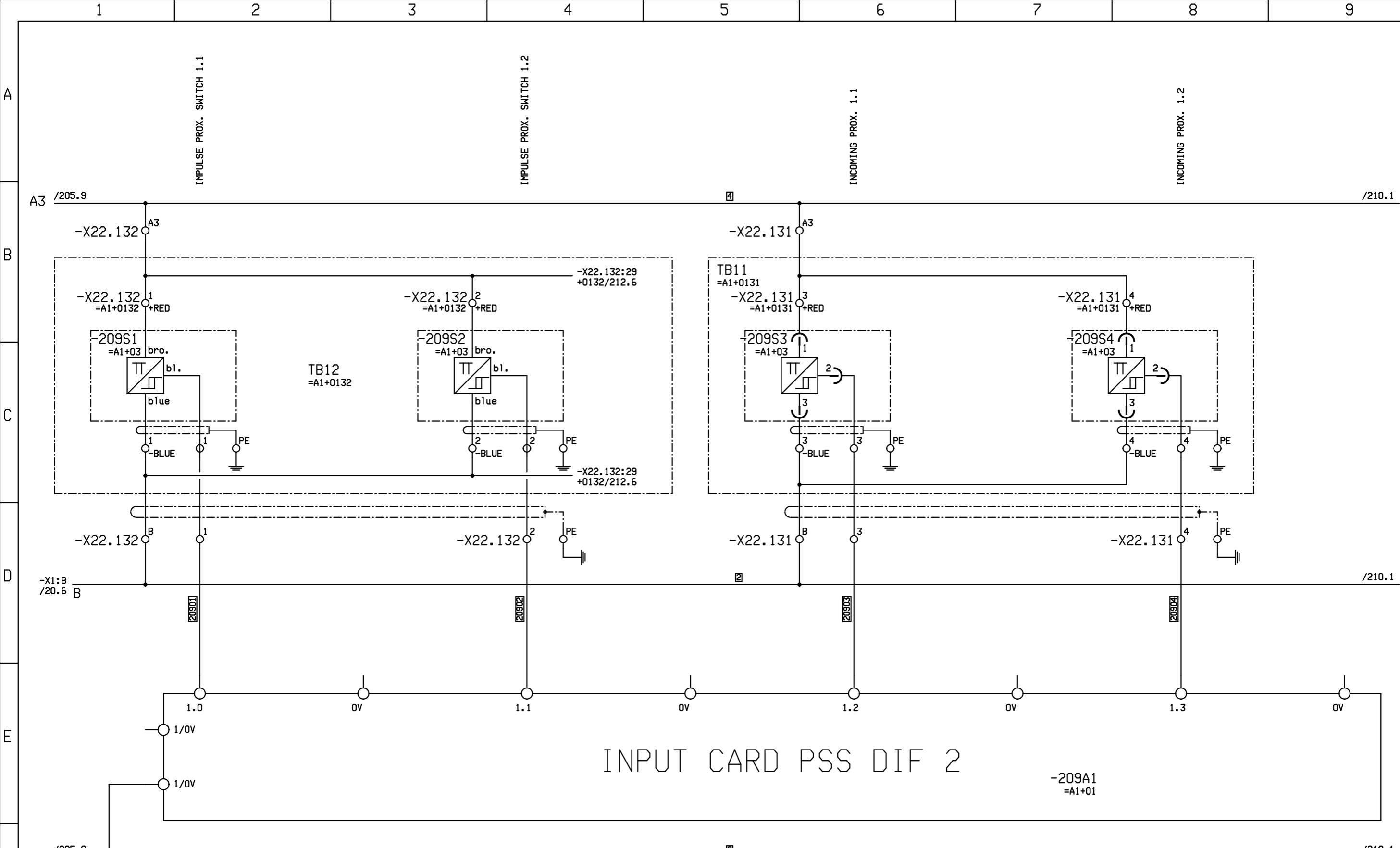
LV-CONTROL

=A1+01

Date 20.04.16

Sheet : 205

Cont.sheet: 209



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File:	ANWAA4186		

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



INPUT PLACES

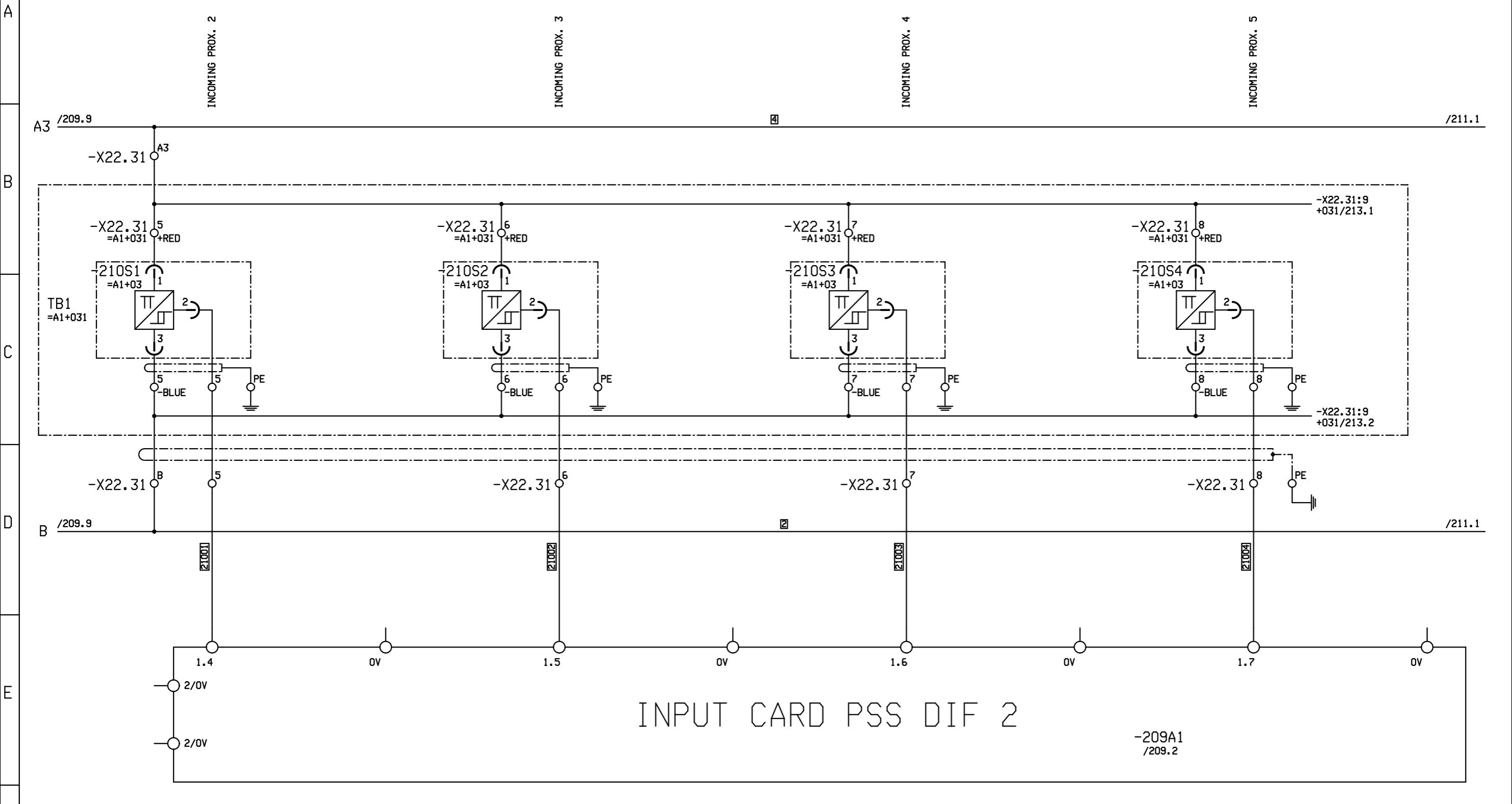
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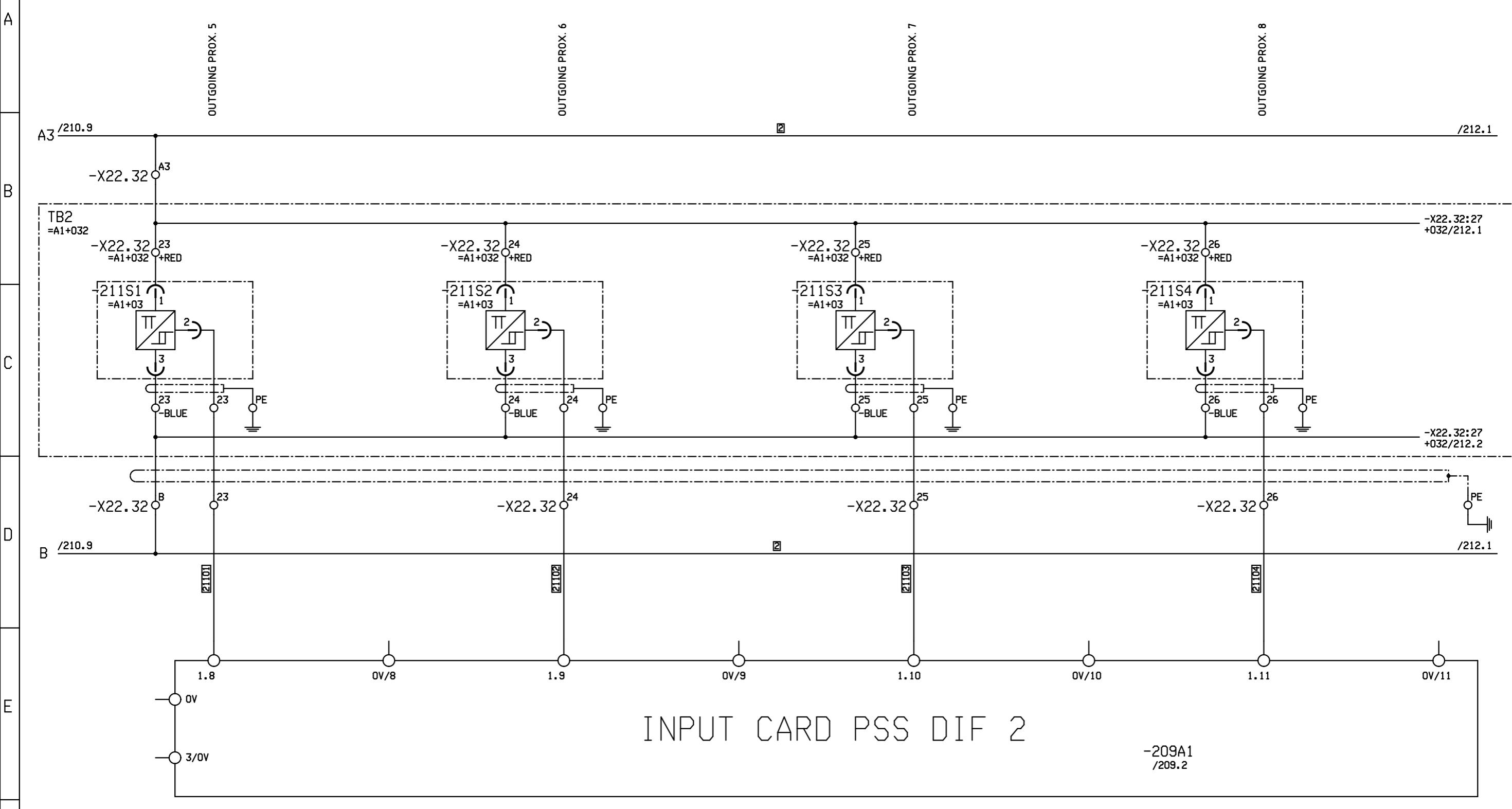
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III-51

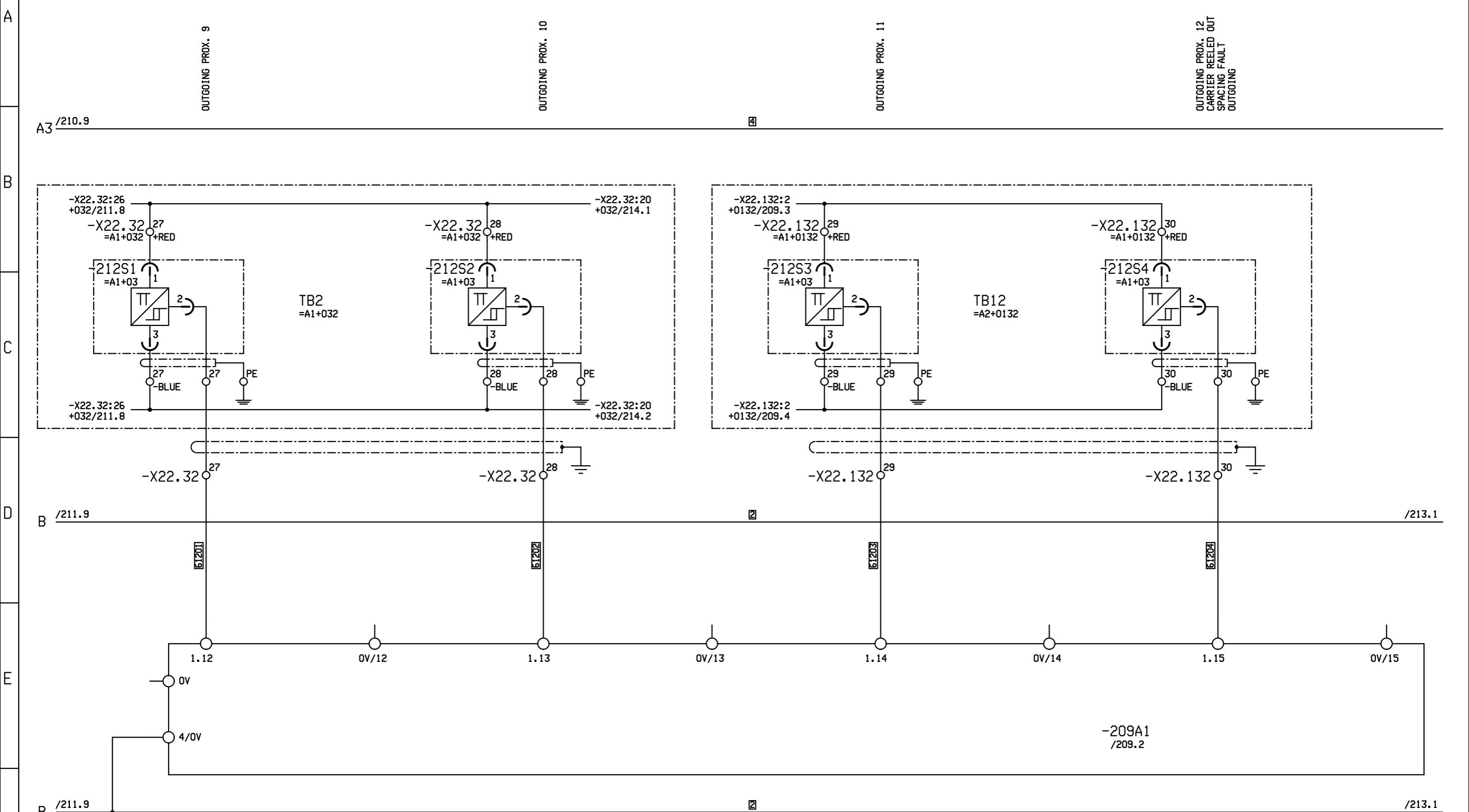
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Street : 203





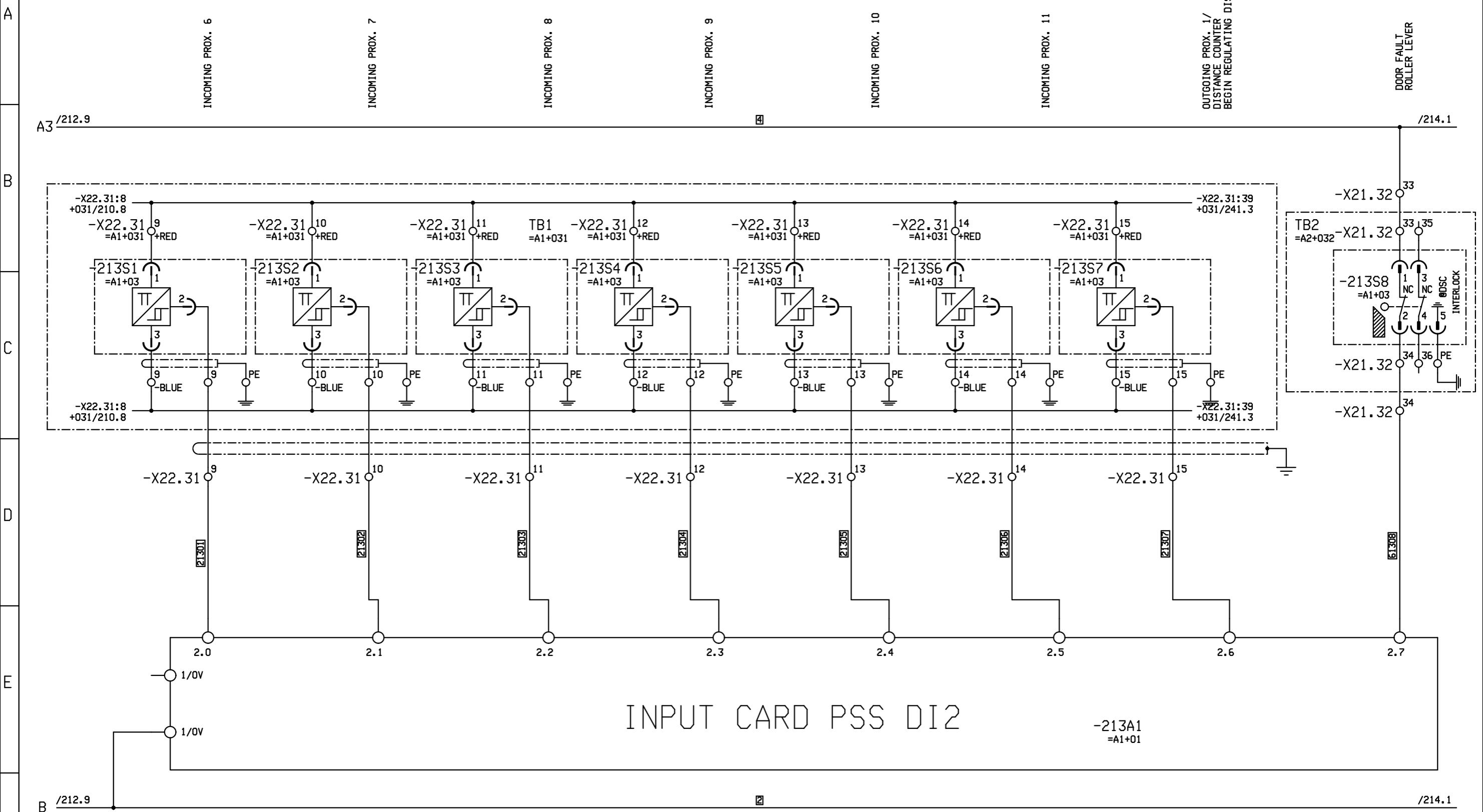
Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr [®] Innovia Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (FS)		=A1+01
Date	13.10.16	Dr.ch.by	Fma			DRIVE STATION	LV-CONTROL	Date 21.04.16
File: ANWAA4186						Sheet : 211	Cont.sheet: 212	



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

A

OUTGOING PROX. 2

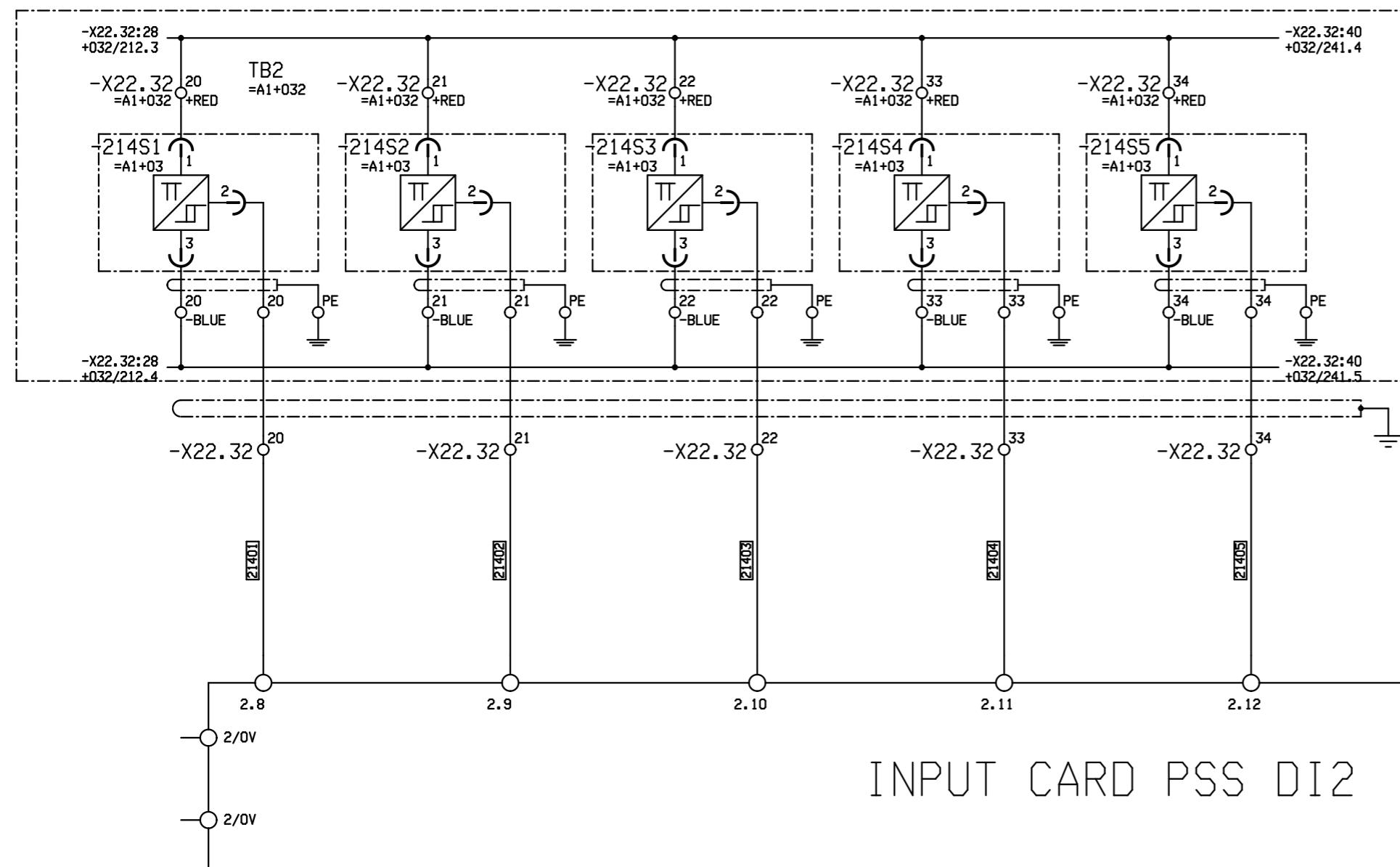
OUTGOING PROX. 3

OUTGOING PROX. 4
DISTANCE COUNTER
END REGULATING DISTANCESTART
DOOR FAULTCONTROL
DOOR FAULT

A3 /213.9

/217.1

④



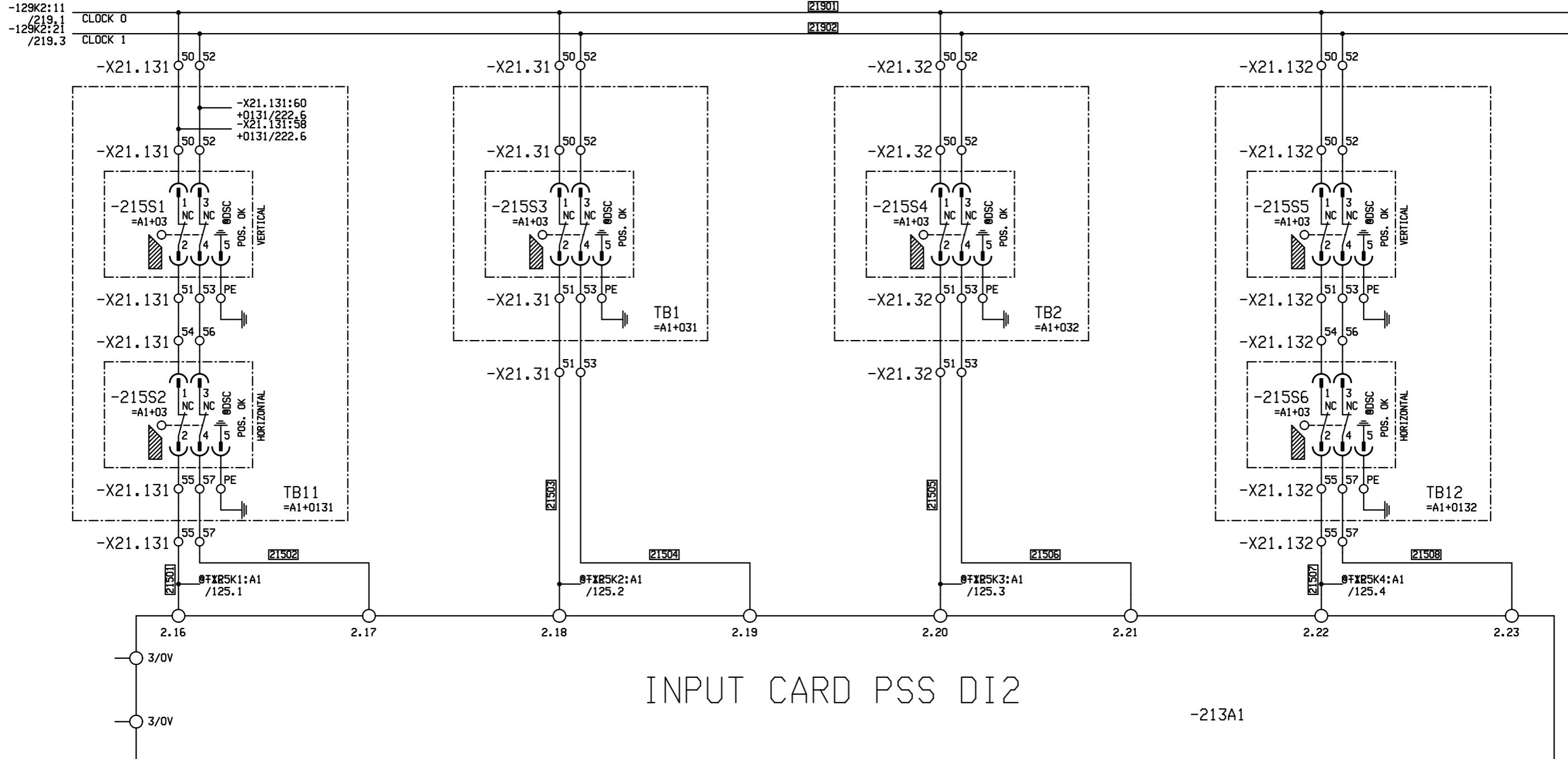
B /213.9

/215.1

②

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma
10-MGD BaNa5			
WAA0004186			
DANANG / VIETNAM			
File: ANWAA4186			

A

ROPE POSITION STATION
INCOMING CHANNEL 1ROPE POSITION STATION
INCOMING CHANNEL 2GRIP FAULT BEFORE
LAUNCH REVERSE
CHANNEL 1GRIP FAULT BEFORE
LAUNCH REVERSE
CHANNEL 2GRIP FAULT BEFORE
LAUNCH FORWARD
CHANNEL 1GRIP FAULT BEFORE
LAUNCH FORWARD
CHANNEL 2ROPE POSITION STATION
OUTGOING CHANNEL 1ROPE POSITION STATION
OUTGOING CHANNEL 2

INPUT CARD PSS DI2

-213A1

Revision 2.0 Drawn by SST

Date 13.10.16 Dr.ch.by Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAMInnova Patent GmbH
A-6960 WOLFURT / AUSTRIA

INPUT PLC (FS)

DRIVE STATION

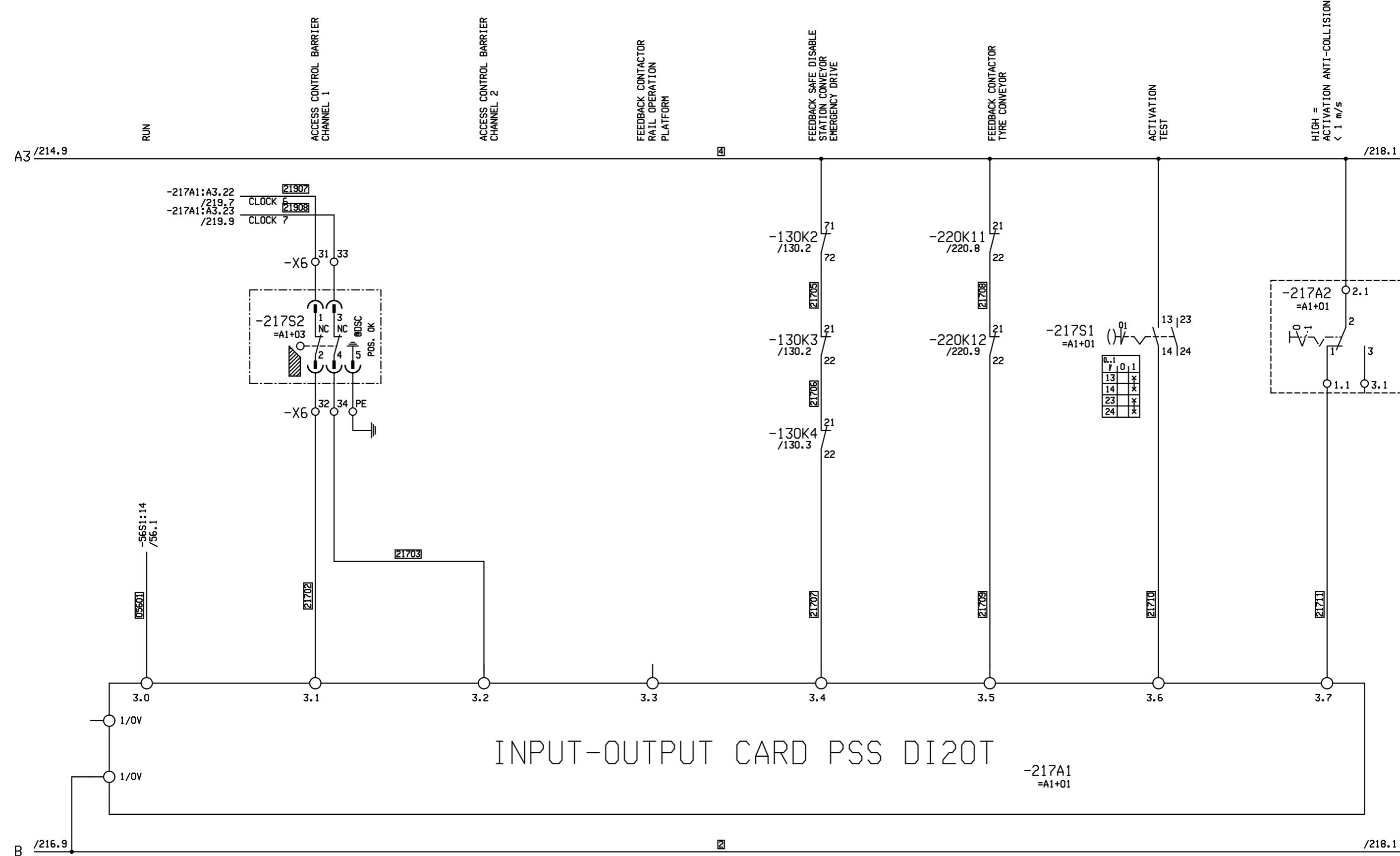
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Date 01.06.16

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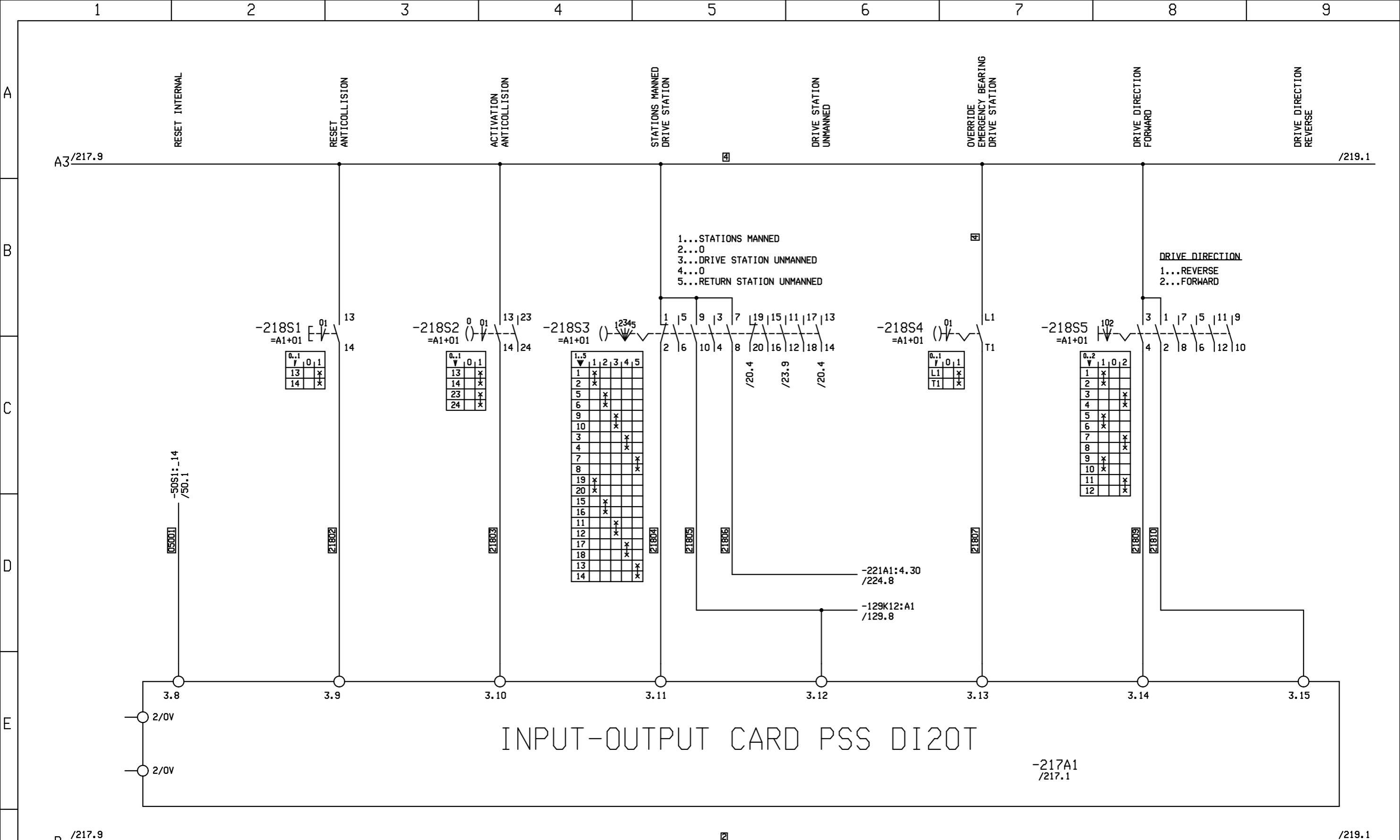
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File: ANWAA4186



INPUT-OUTPUT CARD PSS DI20T

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr® Innovia Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (FS)		=A1+01
Date	13.10.16	Dr.ch.by	Fma			DRIVE STATION		Sheet : 217
File:	ANWAA4186					LV-CONTROL		Cont.sheet: 218



Revision 2.0 Drawn by SST

Date 13.10.16 Dr.ch.by Fma

File: ANWAA4186

10-MGD BaNa5

WAA0004186

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Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

INPUT PLC (FS)

DRIVE STATION

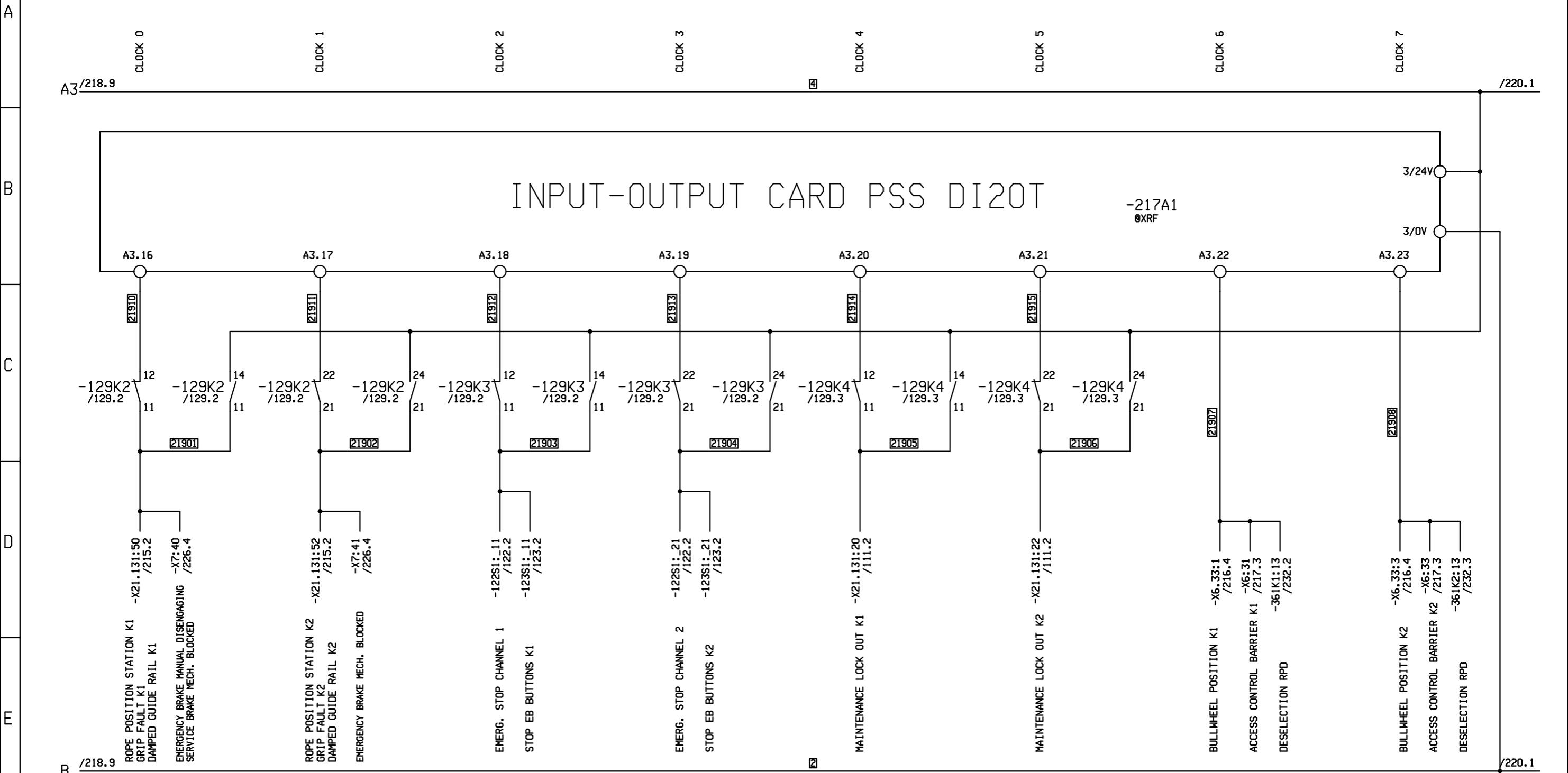
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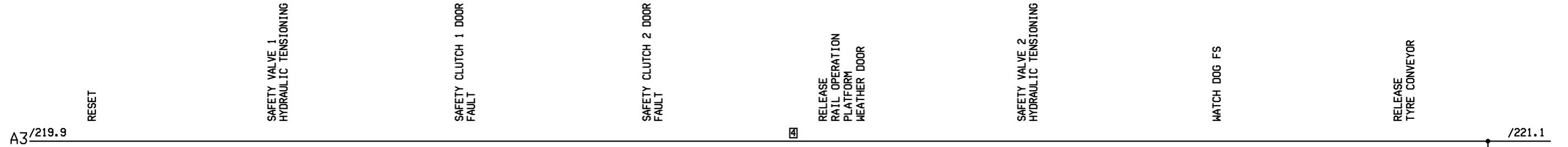
Date 25.05.16

Sheet : 218

Cont.sheet: 219

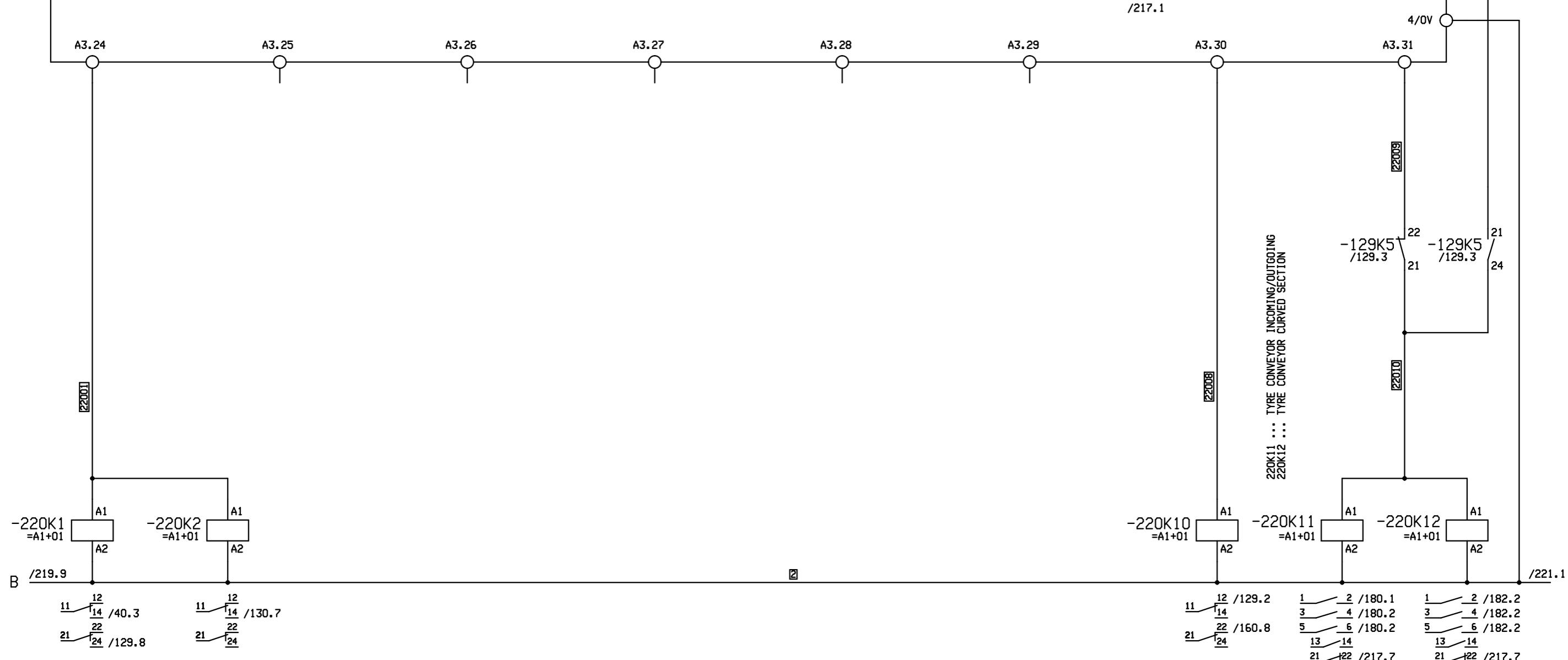


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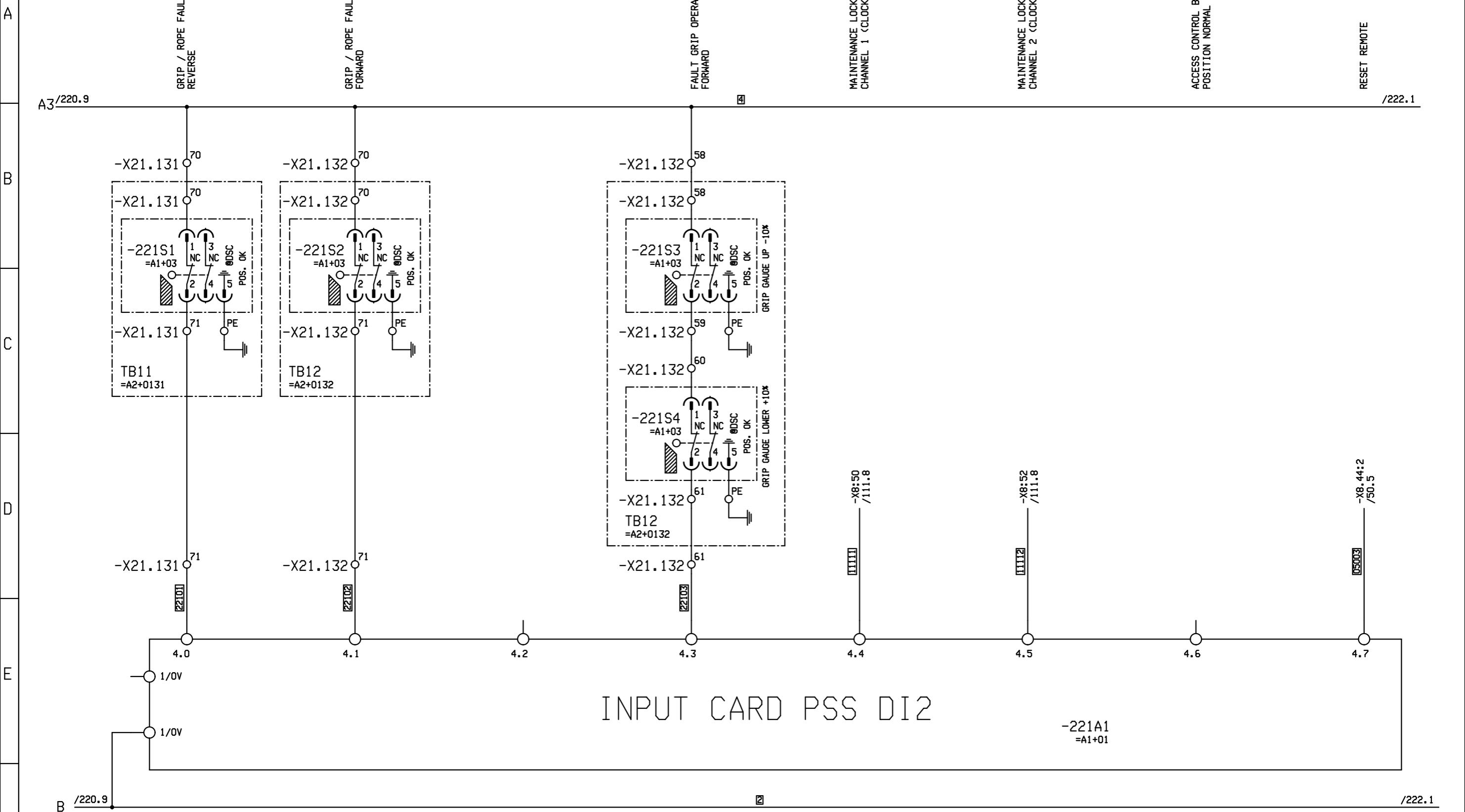
B

INPUT-OUTPUT CARD PSS DI20T



C

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	OUTPUT PLC (FS)	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 13.10.16
File:	ANWAA4186						Sheet : 220 Cont.sheet: 221
						DRIVE STATION	LV-CONTROL



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma

10-MGD BaNa5
WAA0004186
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D Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

INPUT PLC (FS)

DRIVE STATION

=A1+01

Date 13.10.16

Sheet 221

Cont.sheet 222

File: ANWAA4186

LV-CONTROL

A

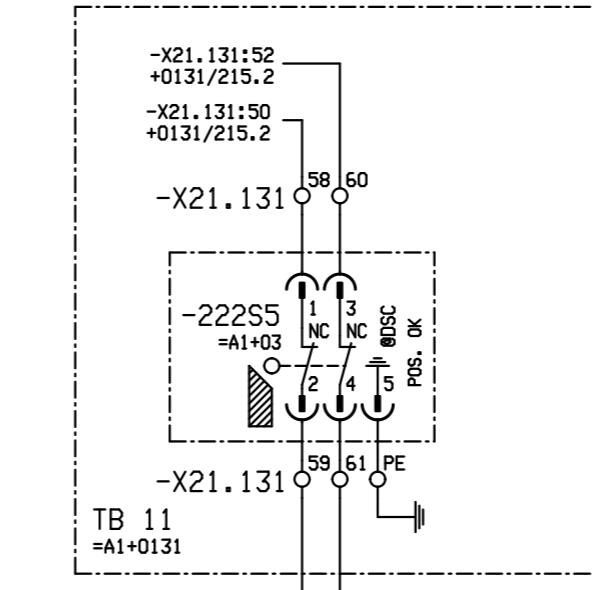
STOP EB
RETURN STATIONREADY
DRIVE STATION
(DRIVE THROUGH MODE)LIMITED OPERATION
WITH MAIN DRIVEDAMPED GUIDE RAIL
CHANNEL 1DAMPED GUIDE RAIL
CHANNEL 2SAFETY CIRCUIT O.K.
RETURN STATION

A3 /221.9

/223.1

B

-222S1 (01)
=A1+01



C

D

E



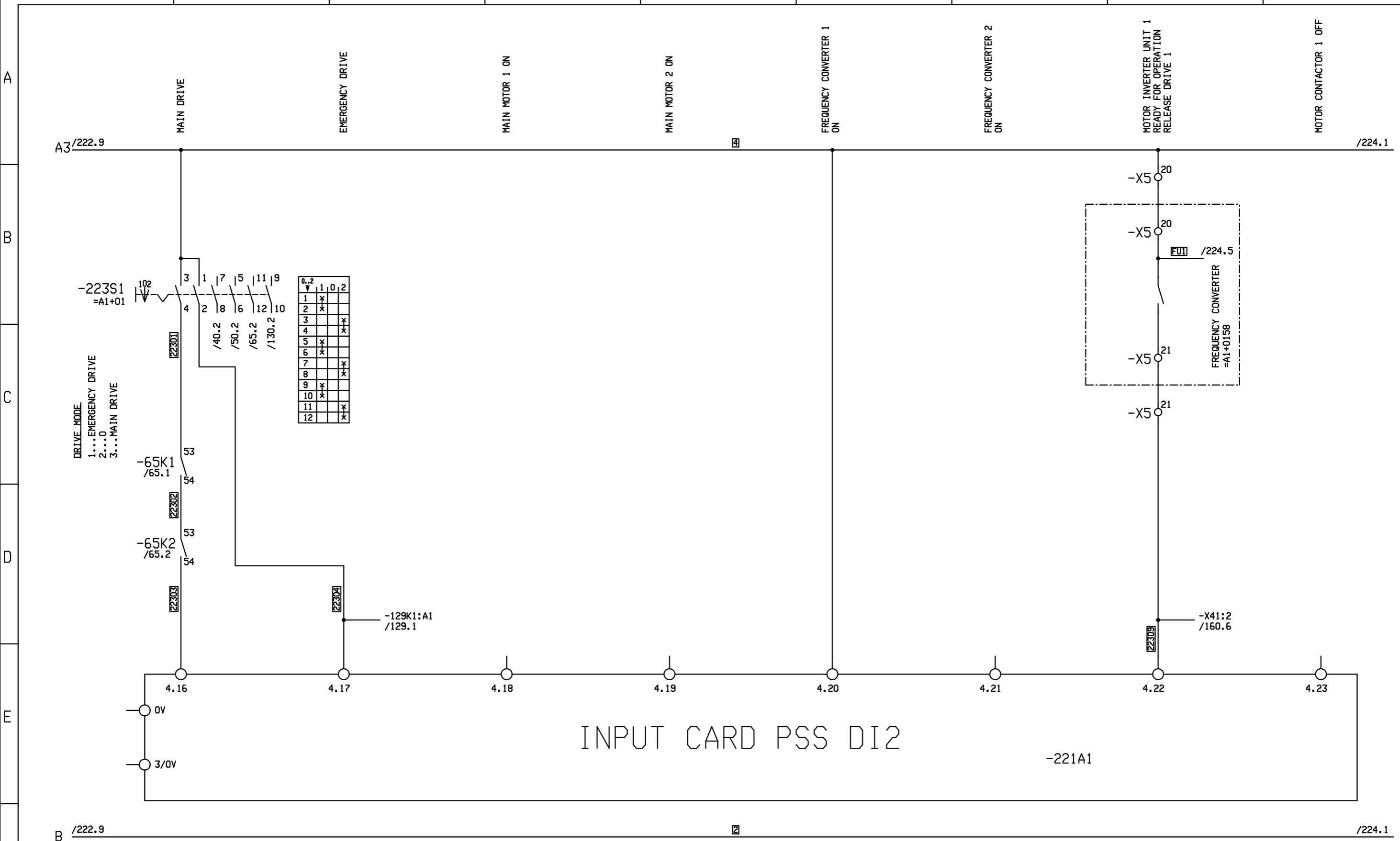
B /221.9

/223.1

F

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



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INPUT PLC (FS)

DRIVE STATION

LV-CONTROL

=A1+01

Date 13.10.16

Sheet 223

Cont.sheet 224

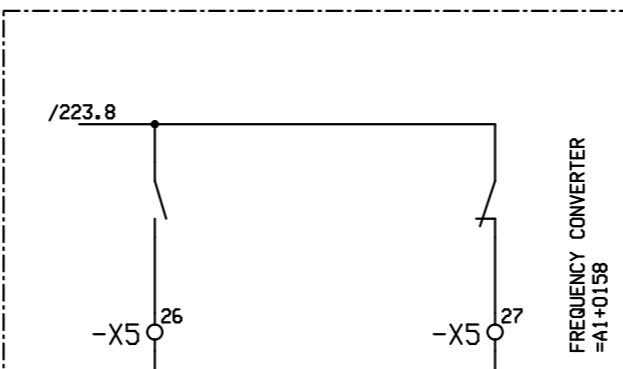
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A3 /223.9

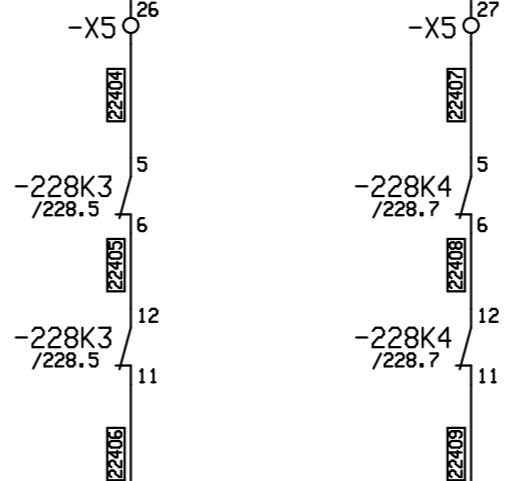
FEEDBACK
RELAY RUNFEEDBACK
RELAY
SAFETY CIRCUIT O.K.RETURN STATION UNMANNED
DRIVE STATION

/225.1

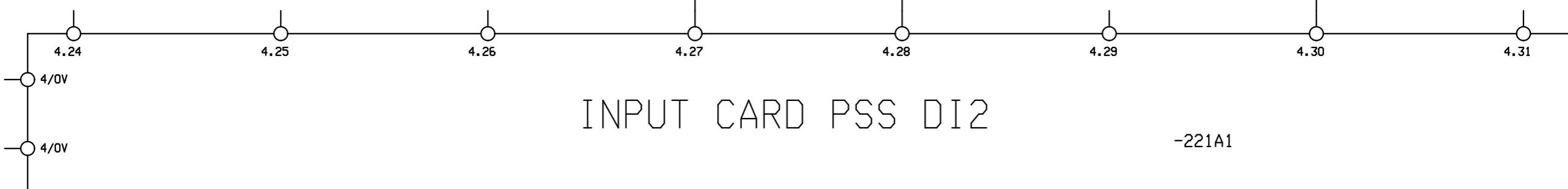
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C



D



E

B /223.9

2

/225.1

F

Revision	2.0	Drawn by	SST
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Date	13.10.16	Dr.ch.by	Fma
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File:	ANWAA4186
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10-MGD BaNa5

WAA0004186

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Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

INPUT PLC (FS)		=A1+01
Date	19.04.16	

Sheet :	224
Cont.sheet:	225

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

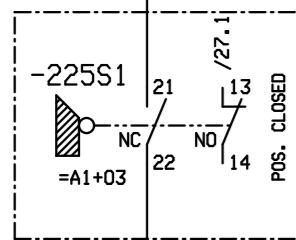
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-X6.133 60

-X6.33 66

-X6.133 60

-X6.33 66

TB 13
=A1+0133

-X6.133 61

TB 3
=A1+033

-X6.133 61

-X6.33 67

TB 13
=A1+0133

-X6.133 76

-X6.133 76

2250

-X6.133 61

-X6.33 67

5.0

5.3

1/0V

5.4

1/0V

5.5

5.6

5.6

5.7

5.7

-225A1
=A1+01

B

/226.1

INPUT-OUTPUT CARD PSS DI20Z

Revision 2.0 Drawn by SST

Date 13.10.16 Dr.ch.by Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

Doppelmayr
 Innovia Patent GmbH
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INPUT PLC (FS)

DRIVE STATION

LV-CONTROL

=A1+01

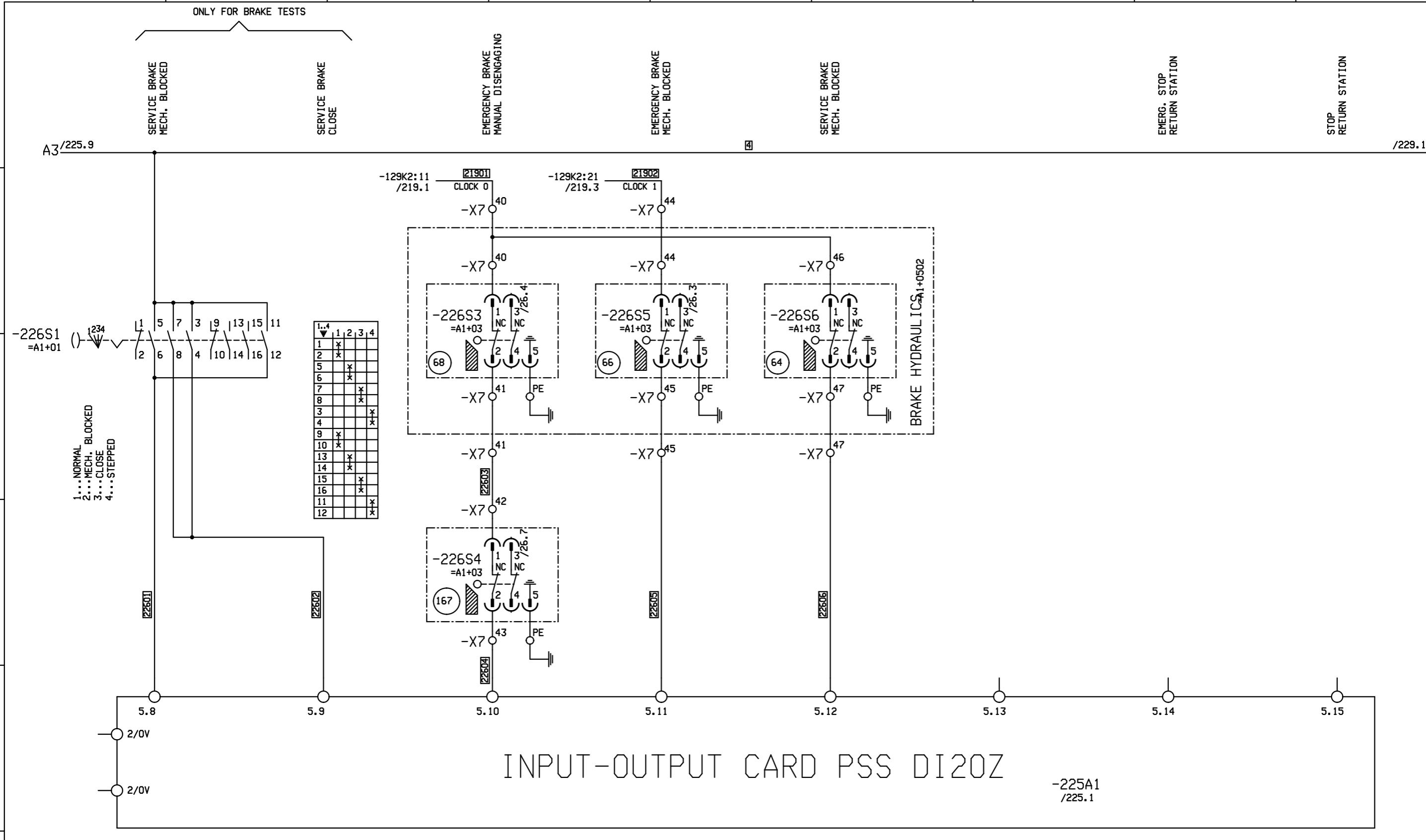
Date 13.10.16

Sheet : 225

Cont.sheet: 226

File: ANWAA4186

ONLY FOR BRAKE TESTS



INPUT-OUTPUT CARD PSS DI20Z

-225A1
/225-1

Revision	2.0	Drawn by	SST	10-M
Date	13.10.16	Dr.ch.by	Fma	WAAC
File:	ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Innova Patent GmbH
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INPUT PLACES

DRIVE STATION

L V. CONTROL

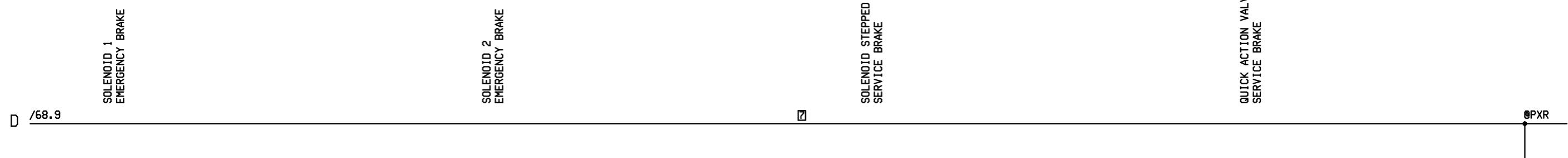
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29.04

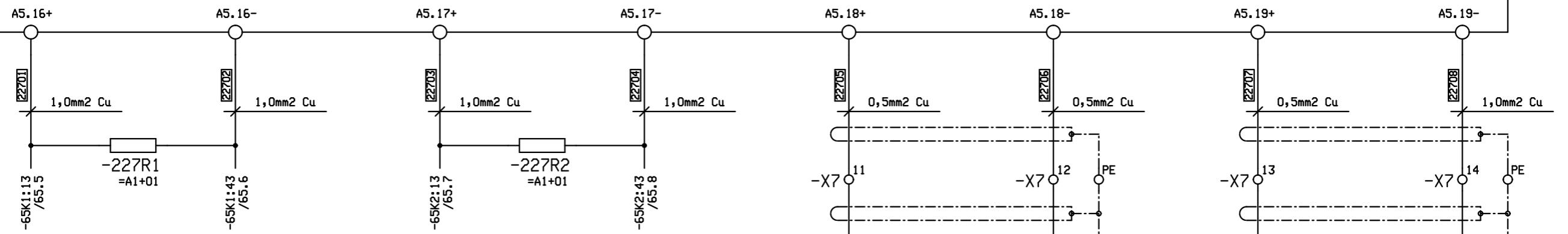
Sheet : 22

Cent sheet: 32

A



INPUT-OUTPUT CARD PSS DI20Z



TERMINAL BOX BRAKE HYDRAULICS =A1+0502

B /226.9

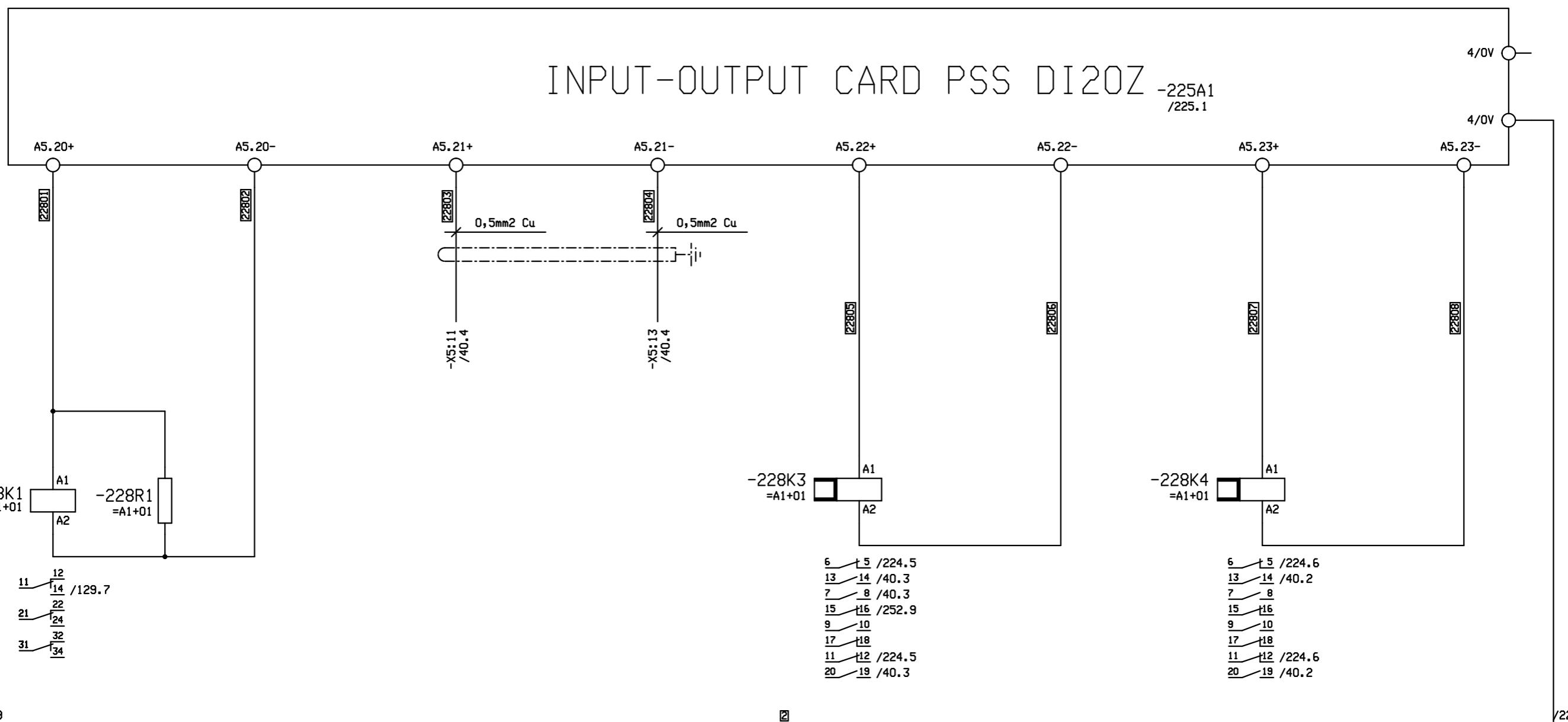
/228.1

A

REVERSE

SAFE DISABLE
FOR DRIVE

RUN

SAFETY CIRCUIT
O.K.

B /227.9

□

/229.1

F

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A

A3/226.9

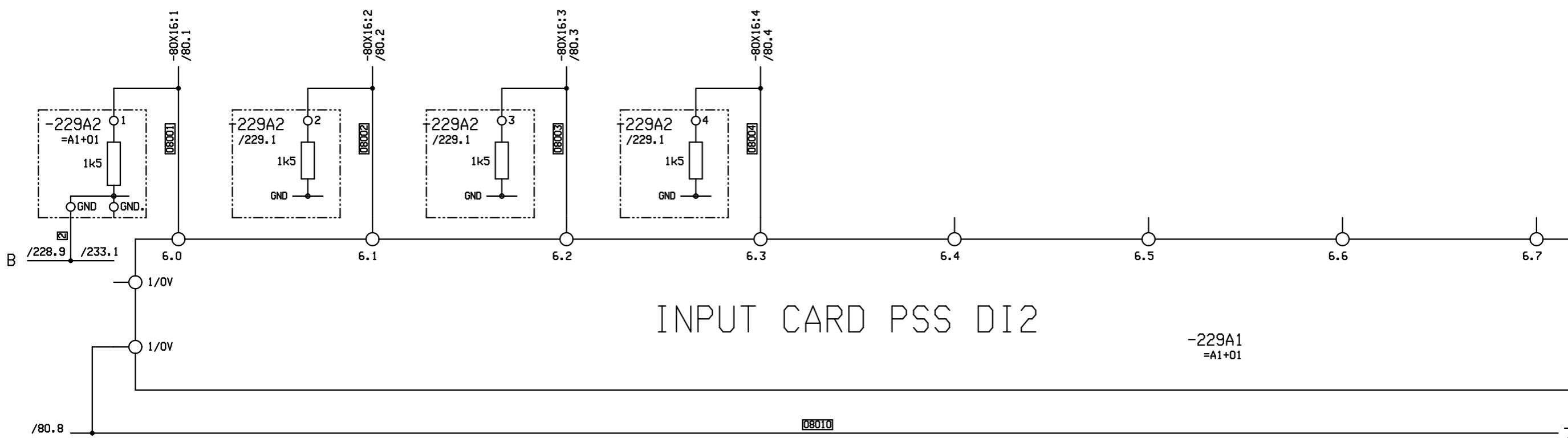
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TOWER 1ROPE POSITION MONITORING
TOWER 2ROPE POSITION MONITORING
TOWER 3ROPE POSITION MONITORING
TOWER 4ROPE POSITION MONITORING
TOWER XXROPE POSITION MONITORING
TOWER XXROPE POSITION MONITORING
TOWER XX

/230.1

B

C

D



E

F

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	=A1+01
Date	13.10.16	Dr.ch.bv	Fma		Date 20.04.16
File:	ANWAA4186				Sheet : 229 Cont.sheet: 230
Doppelmayr	INPUT PLC (FS)	DRIVE STATION	LV-CONTROL		



Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

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A

A3/229.9

ROPE POSITION MONITORING
TOWER XXROPE POSITION MONITORING
TOWER XX

/231.1

B

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F



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
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D Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

=A1+01	
Date	20.04.16
Sheet : 230	
Cont.sheet: 231	

INPUT PLC (FS)

DRIVE STATION

LV-CONTROL

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A

A3/230.9

ROPE POSITION MONITORING
TOWER XXROPE POSITION MONITORING
TOWER XX

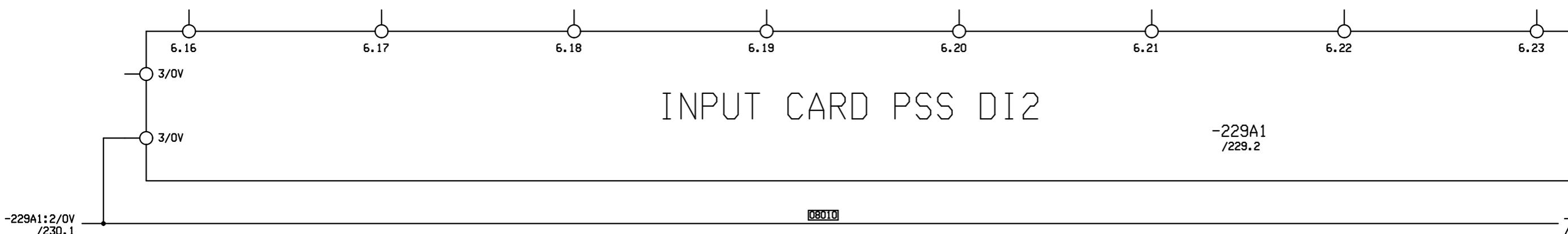
/232.1

B

C

D

E



F

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	D Doppelmayr <small>Innova Patent GmbH A-6960 WOLFURT / AUSTRIA</small>	=A1+01
Date	13.10.16	Dr.ch.by	Fma			Date 20.04.16
File:	ANWAA4186					Sheet : 231 Cont.sheet: 232
		INPUT PLC (FS)			DRIVE STATION	LV-CONTROL

A

SRA - PROCESSING
ROPE MISSING OR TOO CLOSE
RPD SYSTEMADC - PROCESSING
ROPE OUT OF CENTER
RPD SYSTEMDISABLE
RPD SYSTEMDISABLE
BREAK FORK SWITCH SYSTEMMOTOR INVERTER UNIT 2
READY FOR OPERATION
RELEASE DRIVE 2

STOP SB ST

SPEED V2

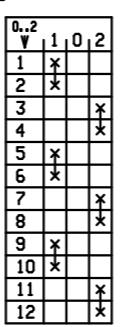
A3/231.9

/233.1

-217A1:A3.22 /219.7 → [21907]
 -217A1:A3.23 /219.9 → [21908]

-361K1 /361.2 → 13
 -361K1 /361.2 → 14

-361K2 /361.6 → 13
 -361K2 /361.6 → 14



-232S1 =A1+01 → 102 → 13
 1 → 7 → 5 → 11 → 9
 2 → 8 → 6 → 12 → 10

ROPE POSITION MONITORING /125.8
 1...DISABLE RPD SYSTEM /84.5
 0...0
 2...DISABLE BREAK FORK SWITCH /84.5

-361K1 /361.2 → 20
 -361K1 /361.2 → 19

-361K2 /361.6 → 20
 -361K2 /361.6 → 19

[23205]

[23205]

6.24 → 4/0V
 6.25 → 4/0V

6.26 → 4/0V

6.27 → 4/0V

6.28 → 4/0V

6.29 → 4/0V

6.30 → 4/0V

6.31 → 4/0V

INPUT CARD PSS DI2

-229A1 /229.2

-229A1:3/0V /231.1

[08010]

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma

File: ANWAA4186

10-MGD BaNa5
 WAA0004186
 DANANG / VIETNAM

D Doppelmayr
 Innova Patent GmbH
 A-6960 WOLFURT / AUSTRIA

=A1+01	
Date	20.04.16
Sheet : 232	
Cont.sheet: 233	
INPUT PLC (FS)	
DRIVE STATION	
LV-CONTROL	

1 2 3 4 5 6 7 8 9

A

FAULT STANDBY DRIVE

INTERLOCK MAIN DRIVE

INTERLOCK STANDBY DRIVE

MODE SWITCH STANDBY DRIVE

STANDBY DRIVE BRAKE OPENING

LOAD TEST BRAKES

LOAD TEST EMERGENCY DRIVE

LOAD TEST STANDBY DRIVE

A3 /232.9

/235.1

B

-233S7
=A1+01

102

V

1

2

3

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6

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11

12

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12

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8

9

10

11

12

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

LOAD TEST
1...EMERGENCY DRIVE
2...0
3...BRAKES

/40.6

/40.5

/40.3

INPUT-OUTPUT CARD PSS DI20T

B /229.1

/234.1

.0V

@DSC

7.0
1/0V

7.1

7.2

7.3

7.4

7.5

7.6

7.7

-233A1
=A1+01Revision 2.0 Drawn by SST
Date 13.10.16 Dr.ch.by Fma
File: ANWAA418610-MGD BaNa5
WAA0004186
DANANG / VIETNAM Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIAINPUT PLC (FS) =A1+01
Date 20.04.16
Sheet : 233
Cont.sheet: 234
DRIVE STATION LV-CONTROL

A

ROLLBACK BRAKE 1
OPEN / CLOSEDROLLBACK BRAKE 2
OPEN / CLOSEDROLLBACK BRAKE
MECHANICALLY BLOCKEDRELEASE CONTROL
FS-PART ACTIVE
ROLLBACK BRAKEFEEDBACK RELAY
ROLLBACK BRAKELOAD TEST
ROLLBACK BRAKE

B

C

D

E



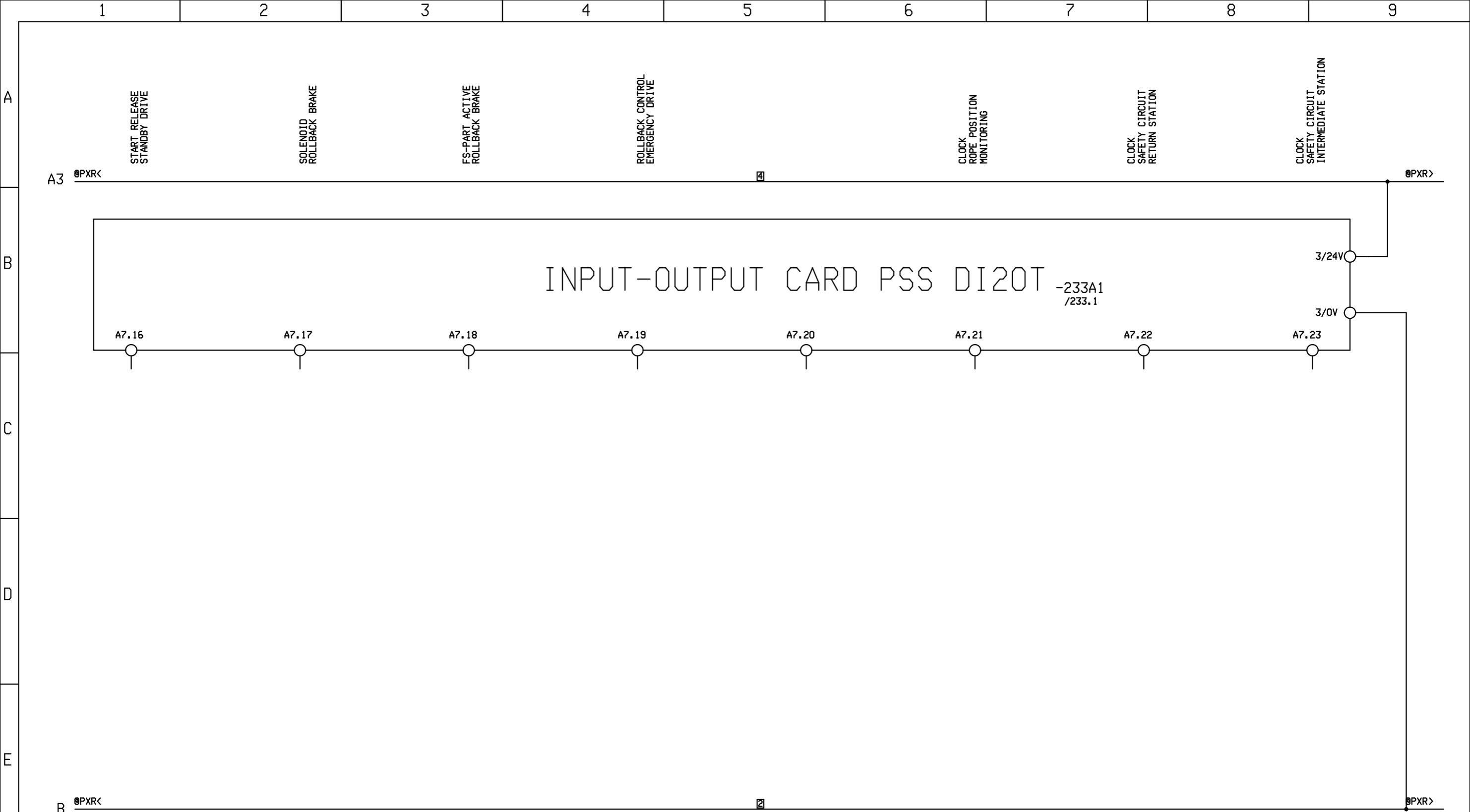
B /233.9

2

/235.1

F

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
Date	13.10.16	Dr.ch.by	Fma			Date 01.04.16
File:	ANWAA4186					Sheet : 234 Cont.sheet: 235
		OUTPUT PLC (FS)		DRIVE STATION	LV-CONTROL	



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

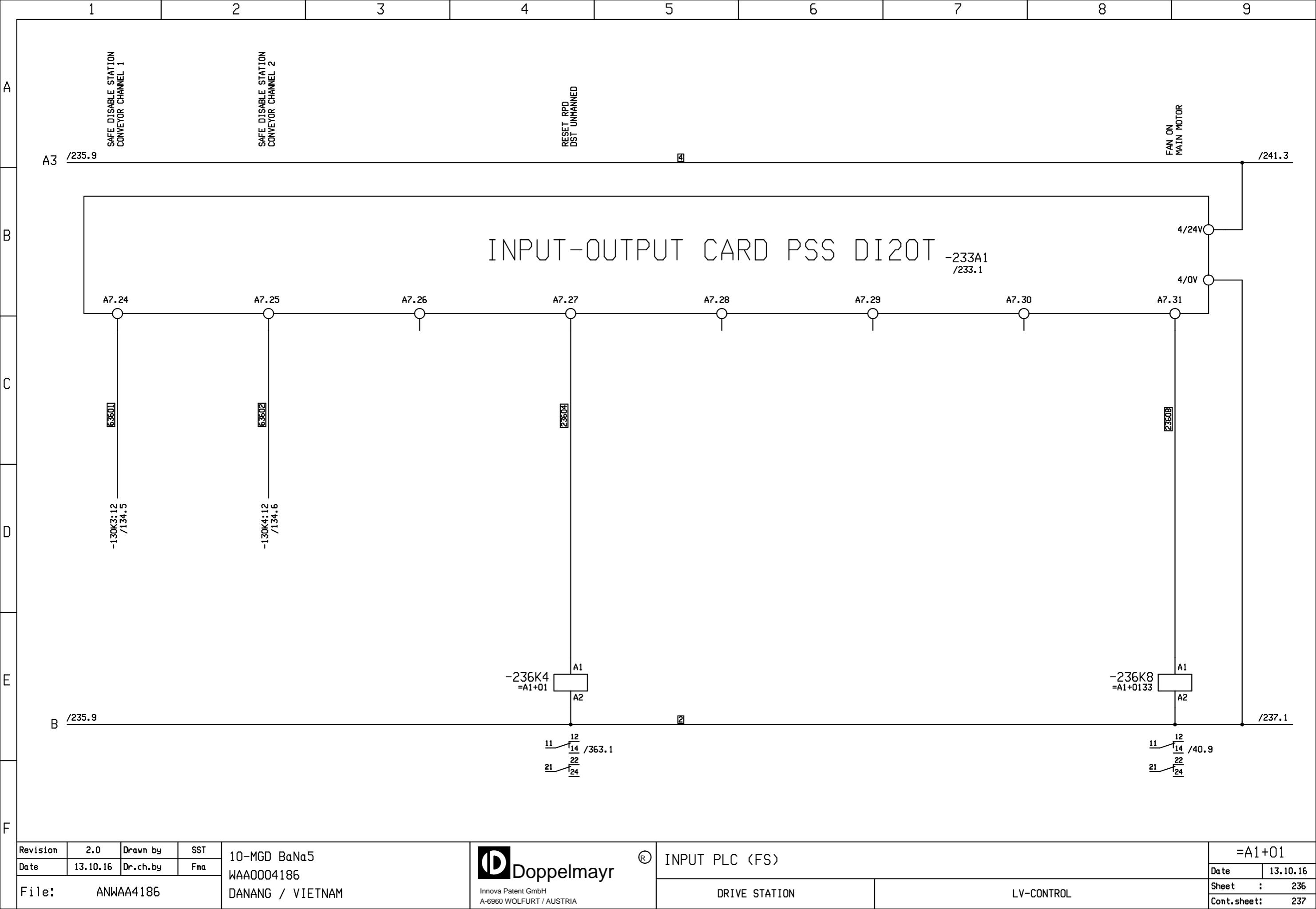


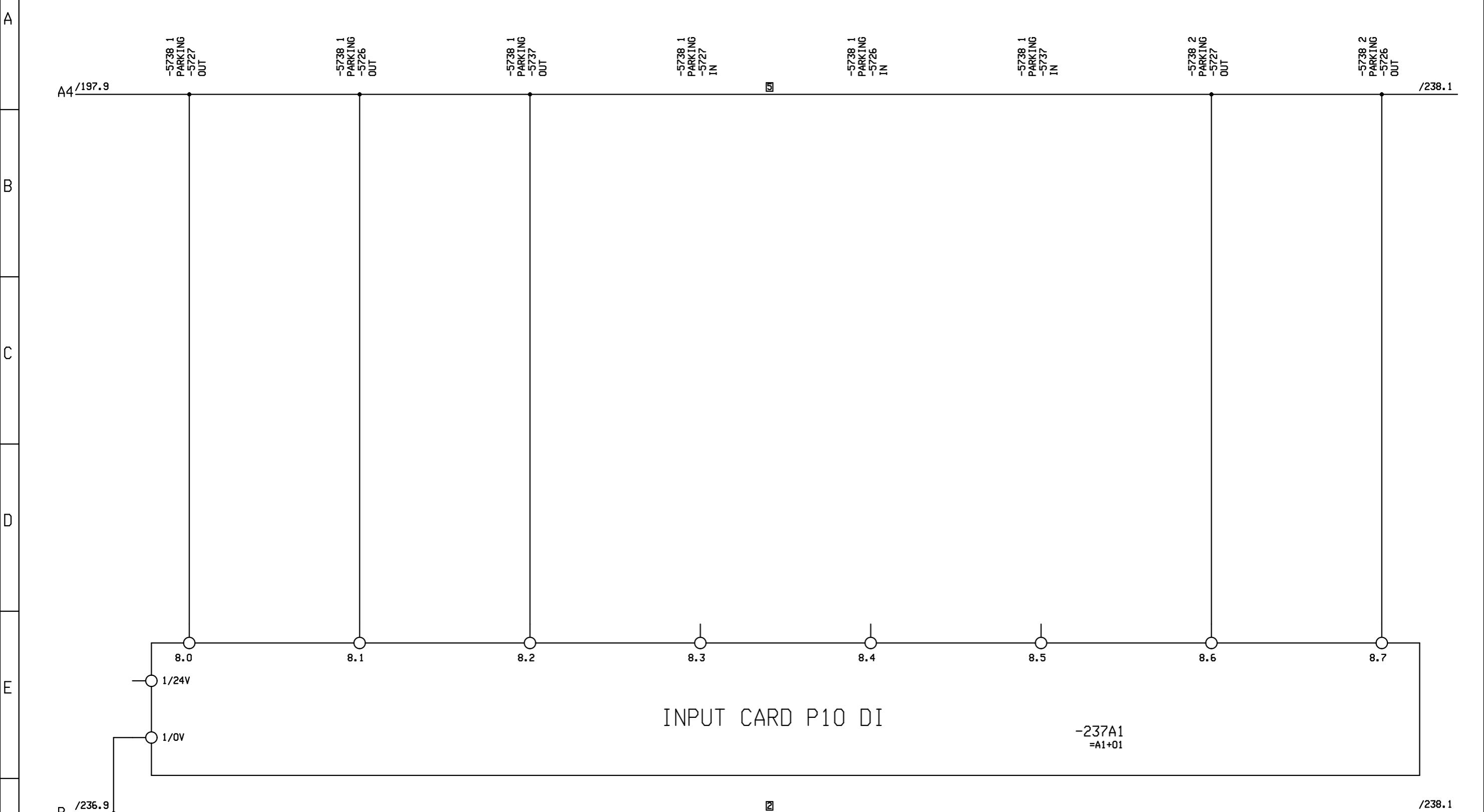
=A1+01	
Date	01.04.16
Sheet :	235
Cont.sheet:	236

INPUT PLC (FS)

DRIVE STATION

LV-CONTROL





Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (ST)	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 01.04.16
File:	ANWAA4186						Sheet : 237 Cont.sheet: 238

1 2 3 4 5 6 7 8 9

A

A4 /237.9

-5738 2
PARKING
-5737
OUT

-5738 2
PARKING
-5727
IN

-5738 2
PARKING
-5726
IN

-5738 2
PARKING
-5737
IN

RESERVE

RESERVE

CARRIER-DISTANCE
PARKING

PARKING
RAIL POSITION
IMPULSE

/239.1

B

C

D

E

8.8

8.9

8.10

8.11

8.12

8.13

8.14

8.15

2/24V

2/0V

INPUT CARD P10 DI

-237A1
/237.7

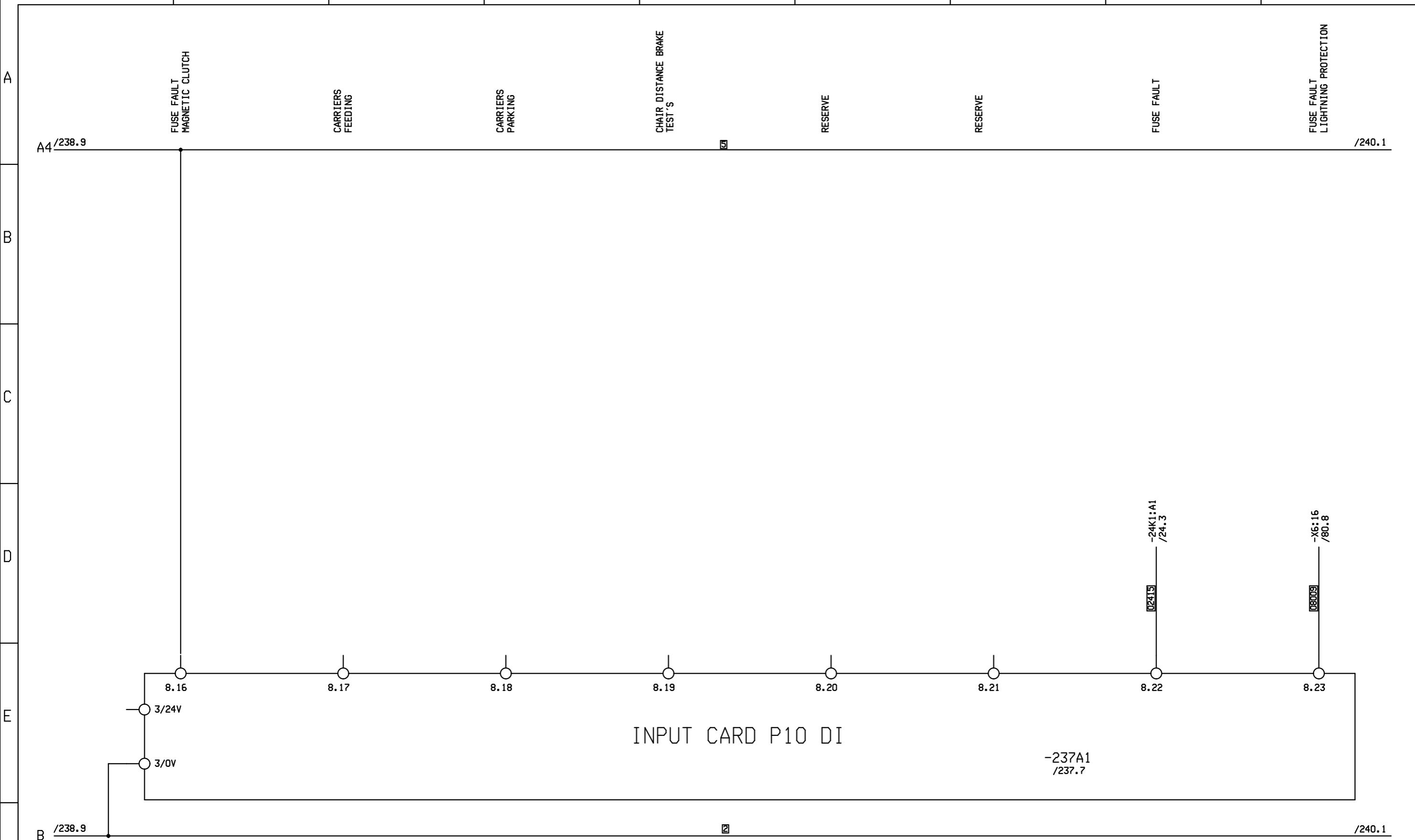
B /237.9

/239.1

RAILS DRAWN IN POSITION OUT

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (ST)	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 01.04.16
File:	ANWAA4186						Sheet : 238 Cont.sheet: 239
		DRIVE STATION		LV-CONTROL			

1 2 3 4 5 6 7 8 9



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

File: ANWAA4186
10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

1 2 3 4 5 6 7 8 9

A

A4 /239.9

FUSE FAULT
LUBRICATION SYSTEMSTOP BUTTONS
(CLOCK 1 ST)

LOW VOLTAGE 24V/DC

SPACING SYSTEM
OFF

STOW PARKING AREA

/241.1

B

-23K1
/23.111
14

C

D

-X8:72
/120.7

01209

24006

E

8.24
4/24V

8.25

8.26

8.27

8.28

8.29

8.30

8.31

INPUT CARD P10 DI

-237A1
/237.7

B /239.9

/241.1

F

Revision 2.0 Drawn by SST

Date 13.10.16 Dr.ch.by Fma

File: ANWAA4186

10-MGD BaNa5

WAA0004186

DANANG / VIETNAM



®

INPUT PLC (ST)

Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

DRIVE STATION

LV-CONTROL

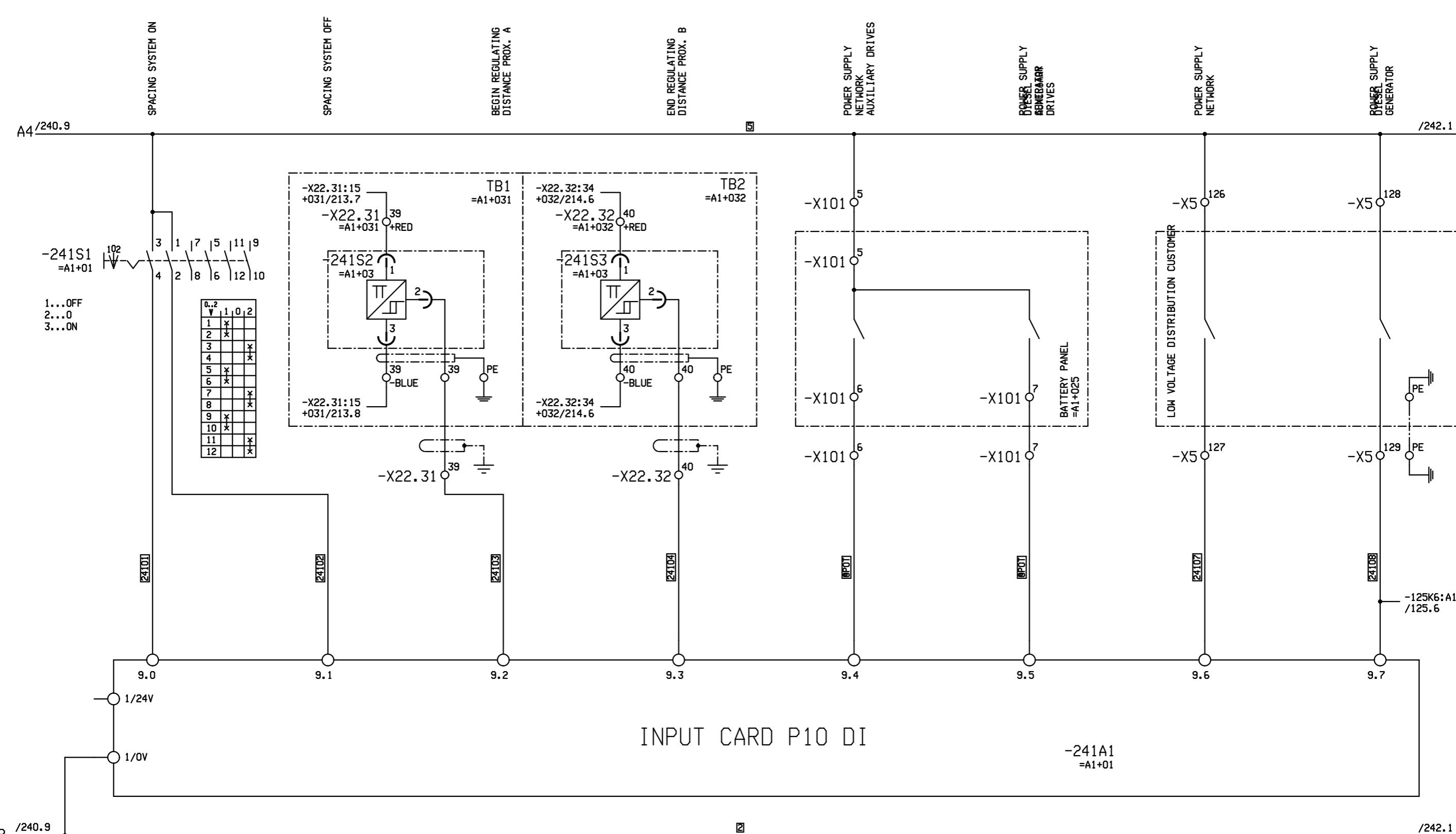
=A1+01

Date 21.04.16

Sheet : 240

Cont.sheet: 241

A



Revision	2.0	Drawn by	SST	10- WAA DAN
Date	13.10.16	Dr.ch.by	Fma	
File: ANWAA4186				

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Innova Patent GmbH
A-6960 WÖLFLEITZ / AUSTRIA

INPUT PLC (ST)

DRIVE STATION

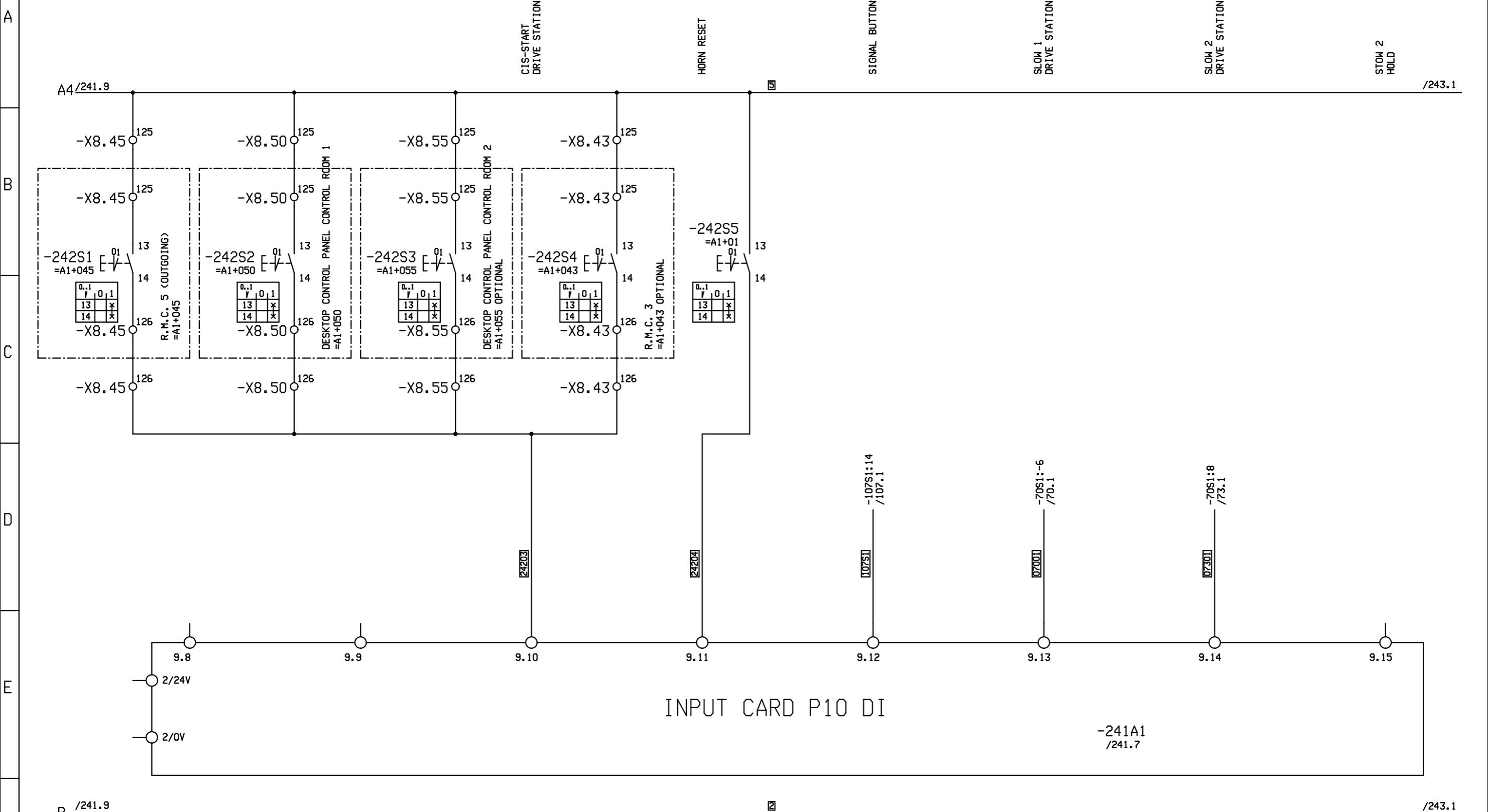
LV CONTROL

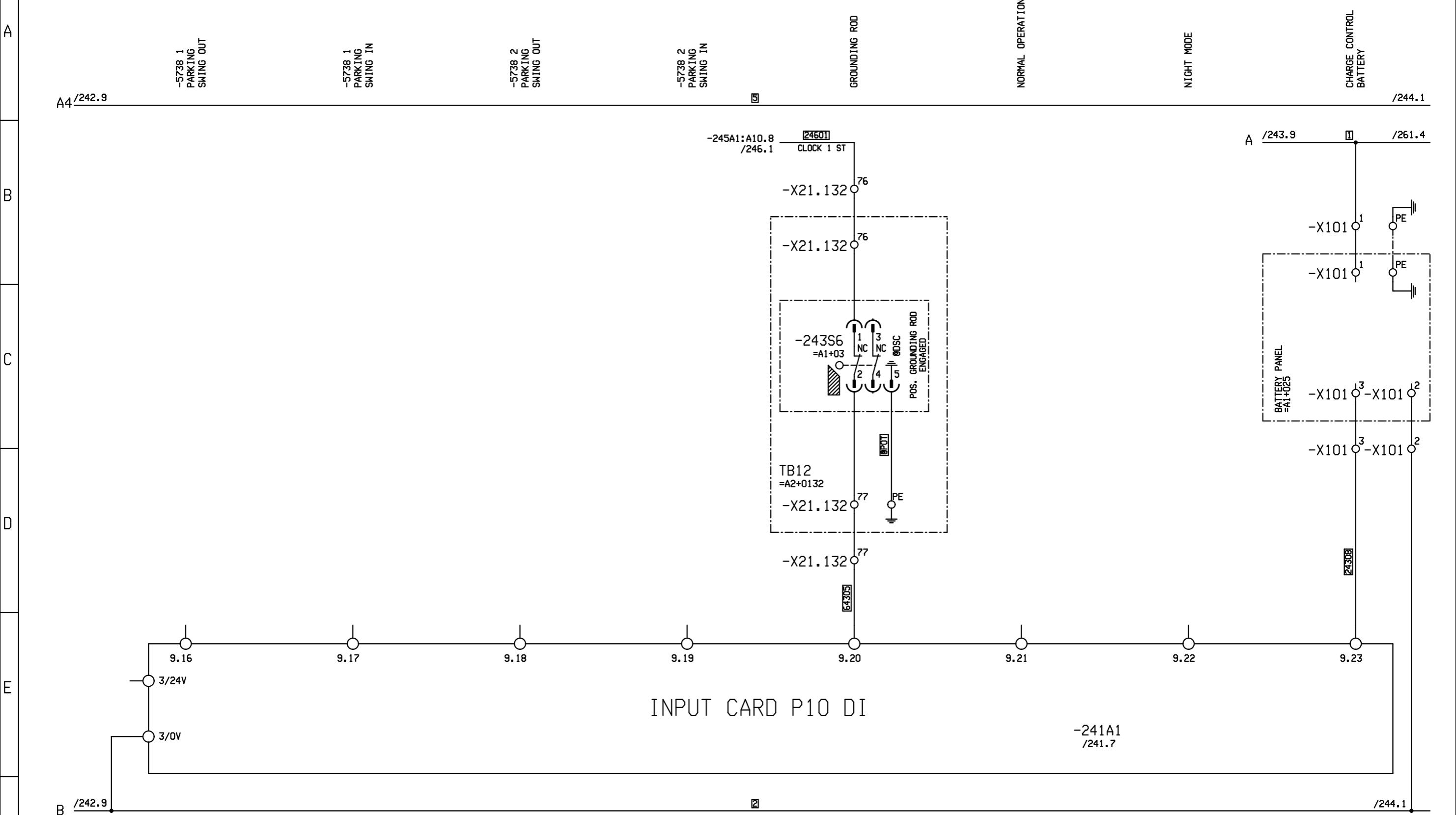
=A1+01

te 04.05.17

reet : 241

mt.sheet: 242





Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

1

2

3

4

5

6

7

8

9

A

A4/243.9

PROX. START POSITION
SPACING CLUTCH
INCOMING/OUTGOINGPROX. START POSITION
SPACING CLUTCH
CURVED SECTIONSTOW
FEED CONVEYORSPACING SYSTEM
ON

MANUAL LAUNCHING

FAULT
FIBER OPTIC CABLE - CONVERTER
RECEIVER

LIGHT TEST

/245.1

B

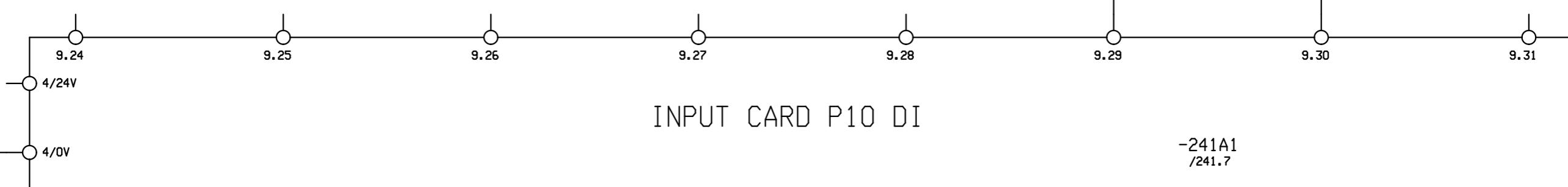
C

D

E

B /243.9

/245.1



F

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

File: ANWAA4186

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

INPUT PLC (ST)

DRIVE STATION

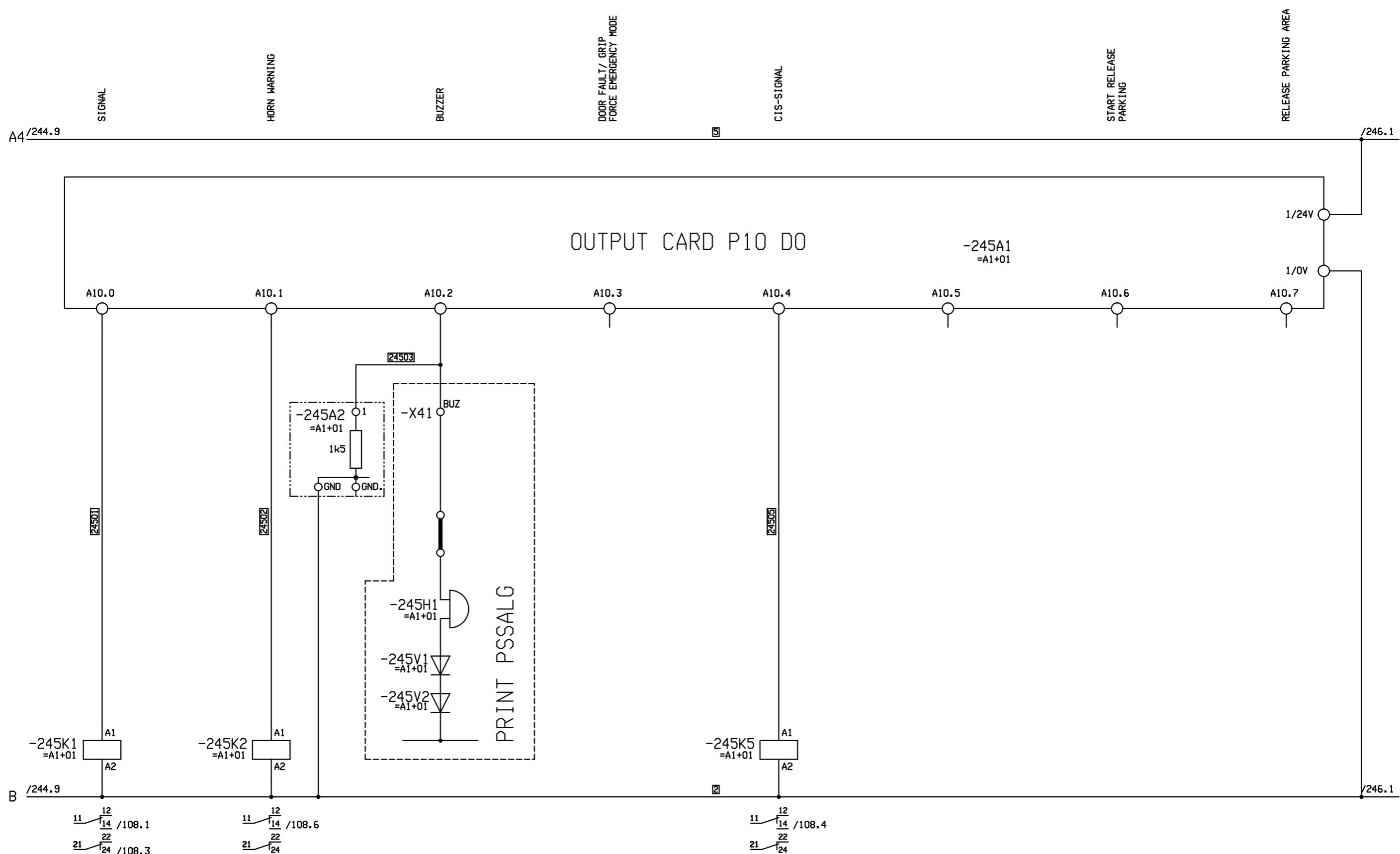
LV-CONTROL

=A1+01

Date 19.04.16

Sheet : 244

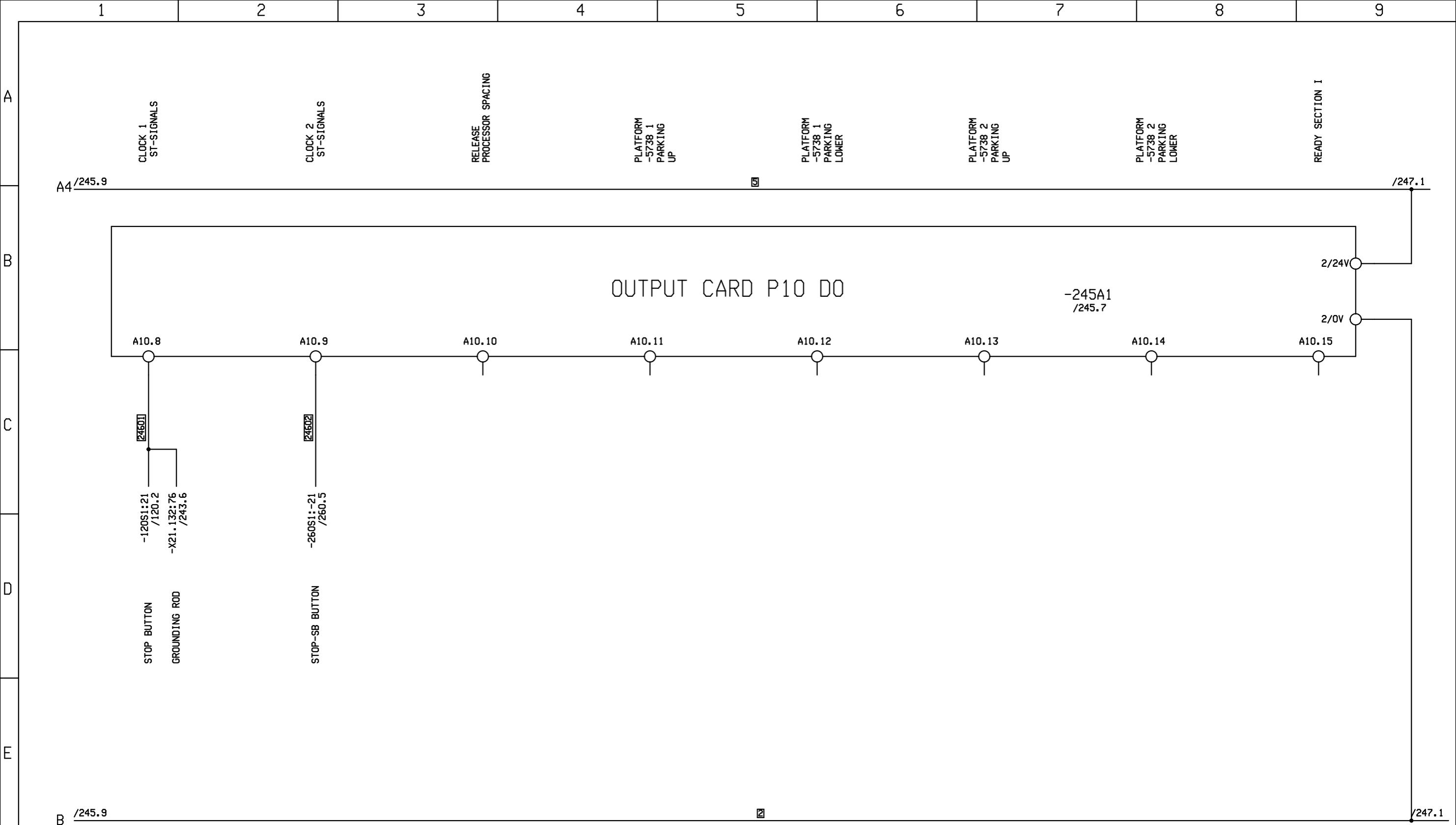
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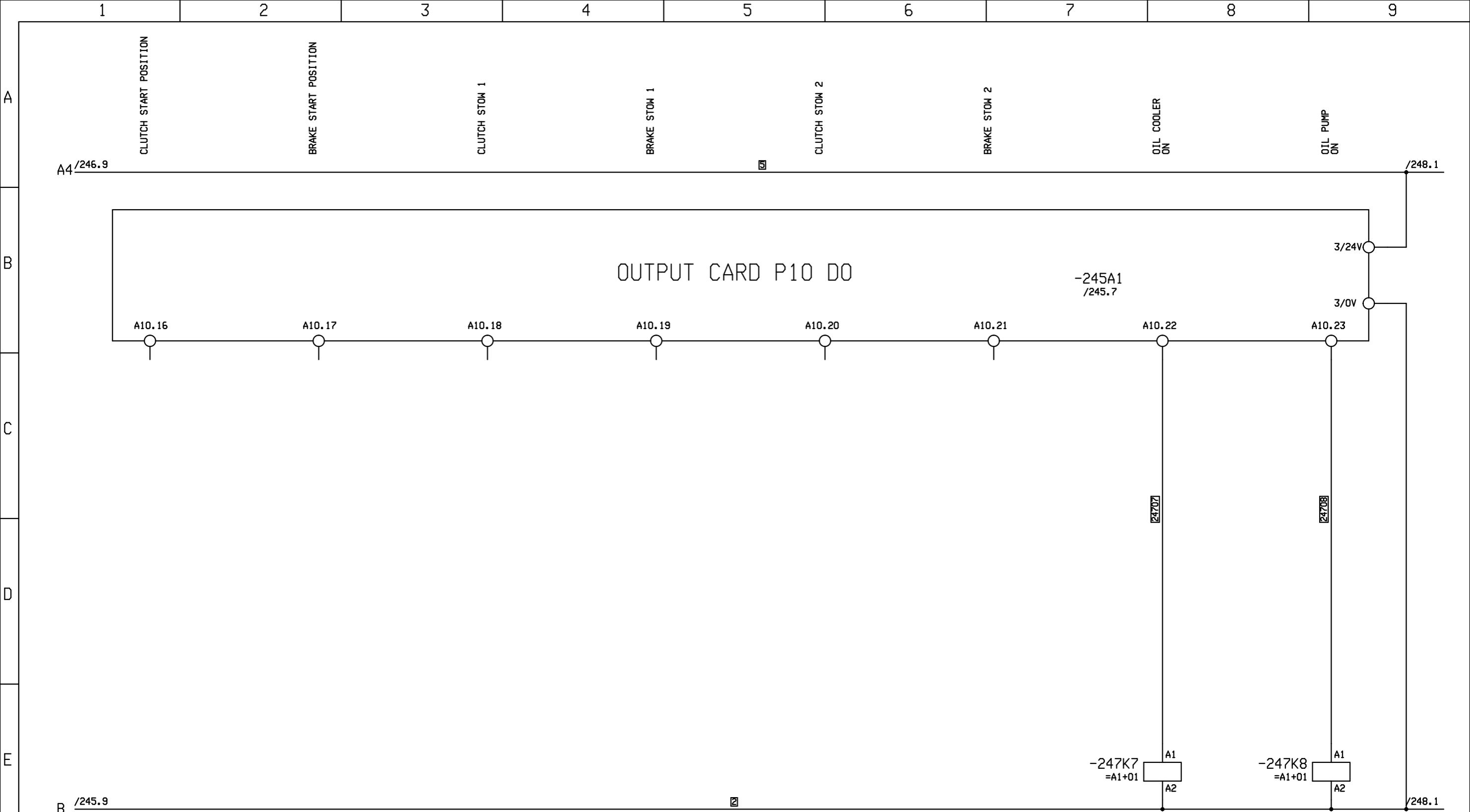
Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM





1 2 3 4 5 6 7 8 9



1 2 /13.3
3 4 /13.3
5 6 /13.3
13 14

1 2 /13.4
3 4 /13.4
5 6 /13.4
13 14

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	OUTPUT PLC (ST)	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 19.04.16
File:	ANWAA4186						Sheet : 247 Cont.sheet: 248
		DRIVE STATION		LV-CONTROL			

A

-5738 1
PARKING
-5727
SWING OUT

-5738 1
PARKING
-5727
SWING IN

-5738 1
PARKING
-5737
SWING OUT

-5738 1
PARKING
-5737
SWING IN

-5738 2
PARKING
-5727
SWING OUT

-5738 2
PARKING
-5737
SWING IN

-5738 2
PARKING
-5737
SWING IN

A4/247.9

/249.1



C

D

E

F

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

File: ANWAA4186

10-MGD BaNa5

WAA0004186

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Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

OUTPUT PLC (ST)

DRIVE STATION

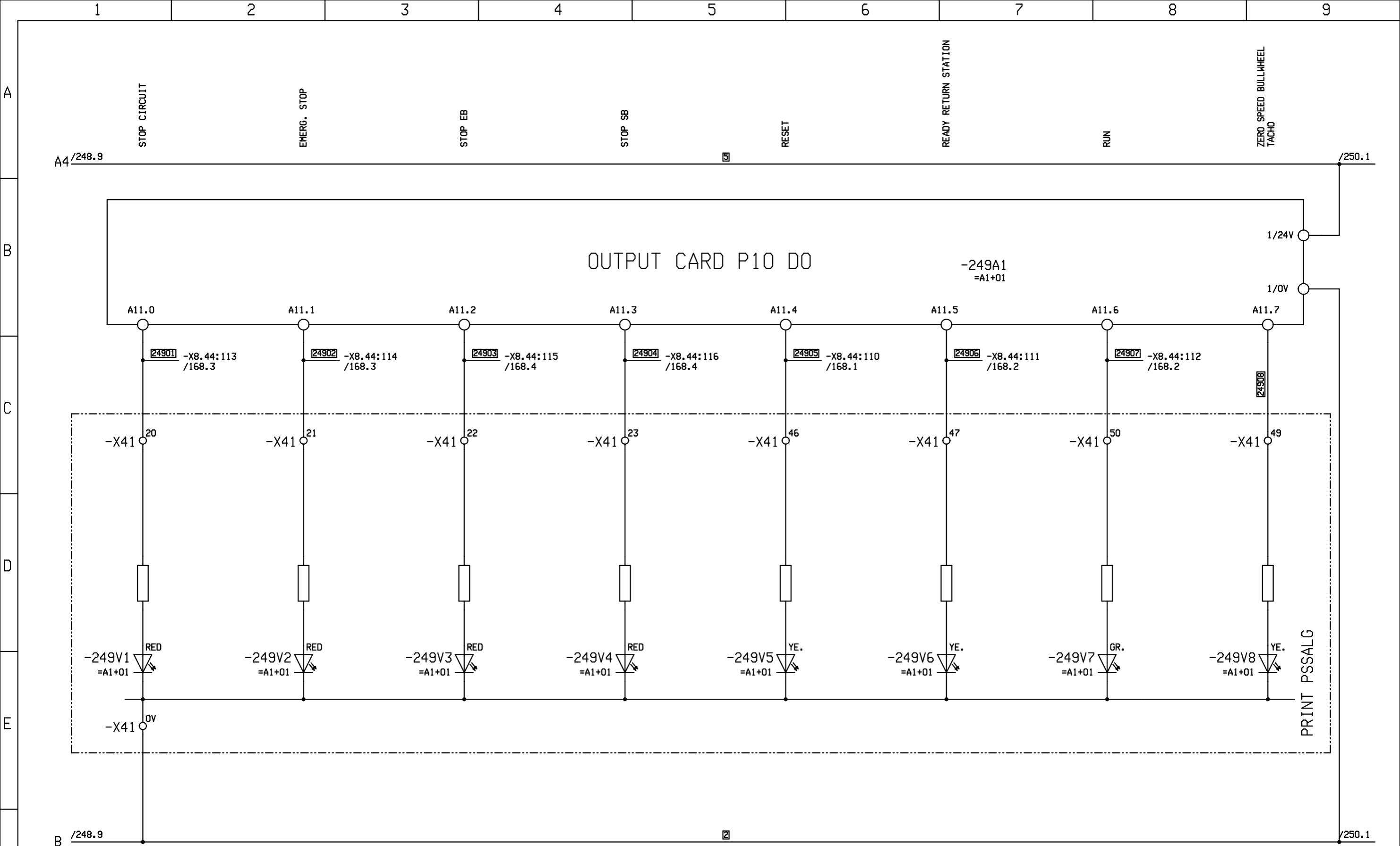
LV-CONTROL

=A1+01

Date 27.04.16

Sheet : 248

Cont.sheet: 249



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



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OUTPUT PLC (ST)

DRIVE STATION **LV-CONTROL**

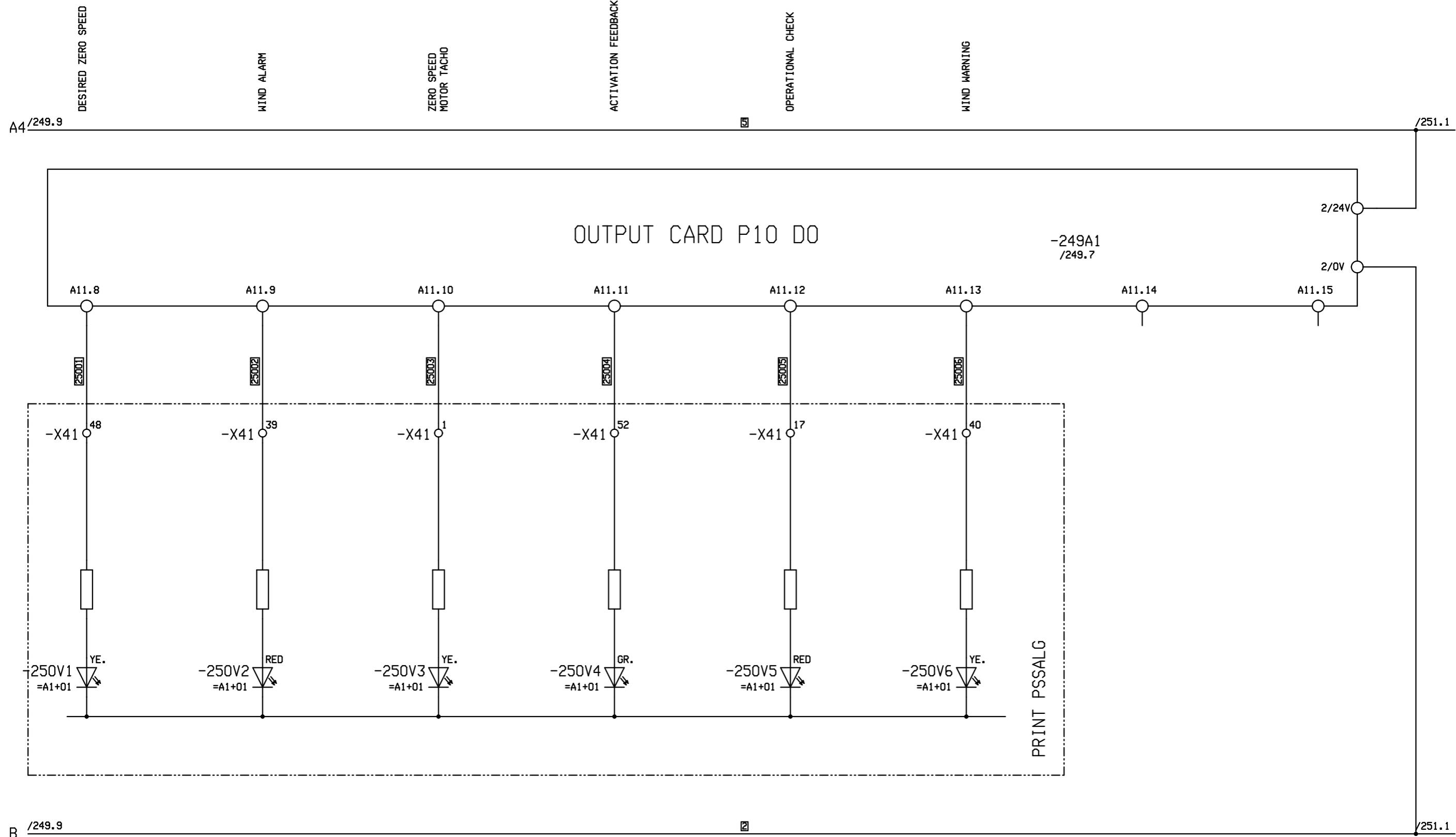
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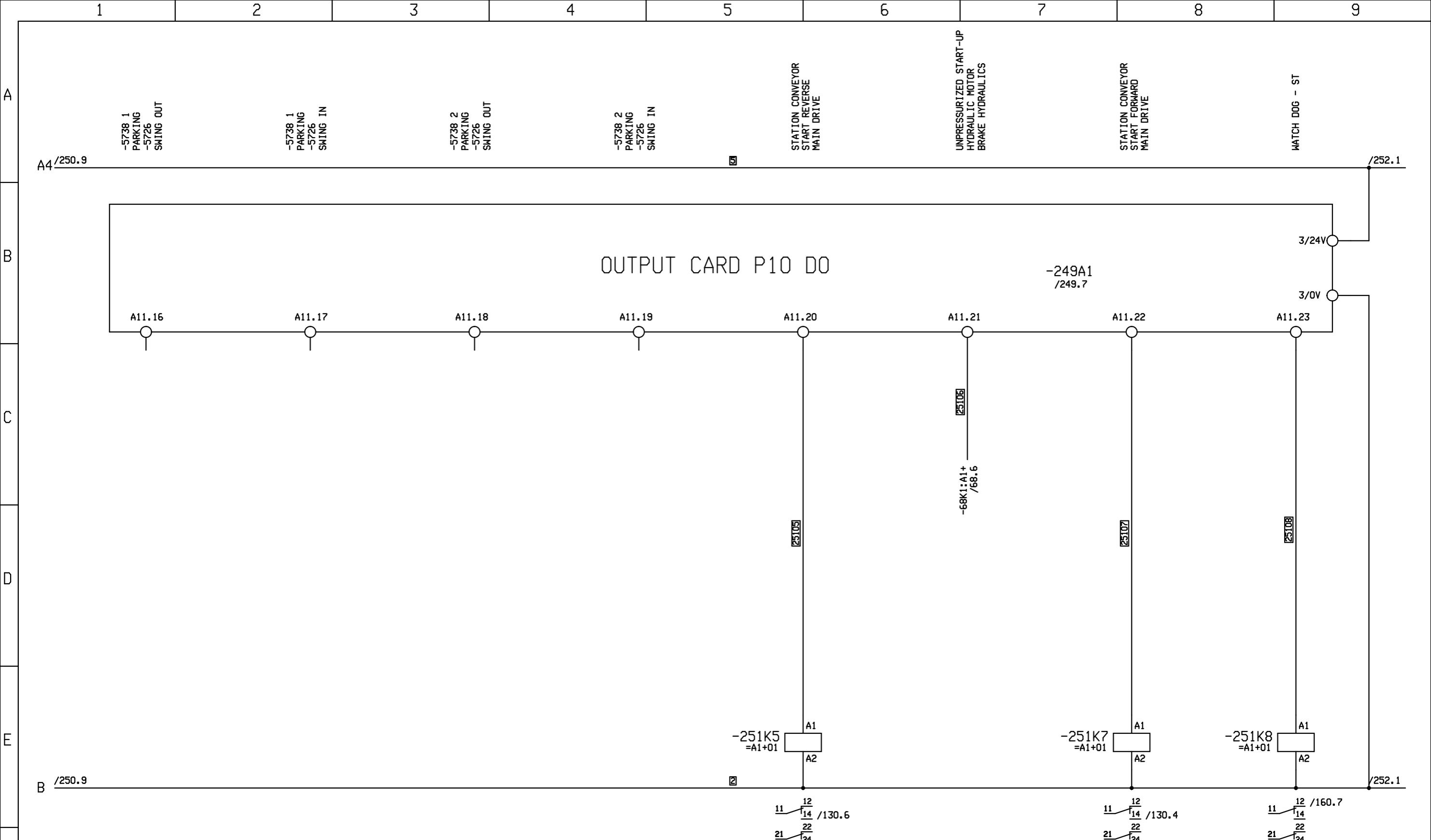
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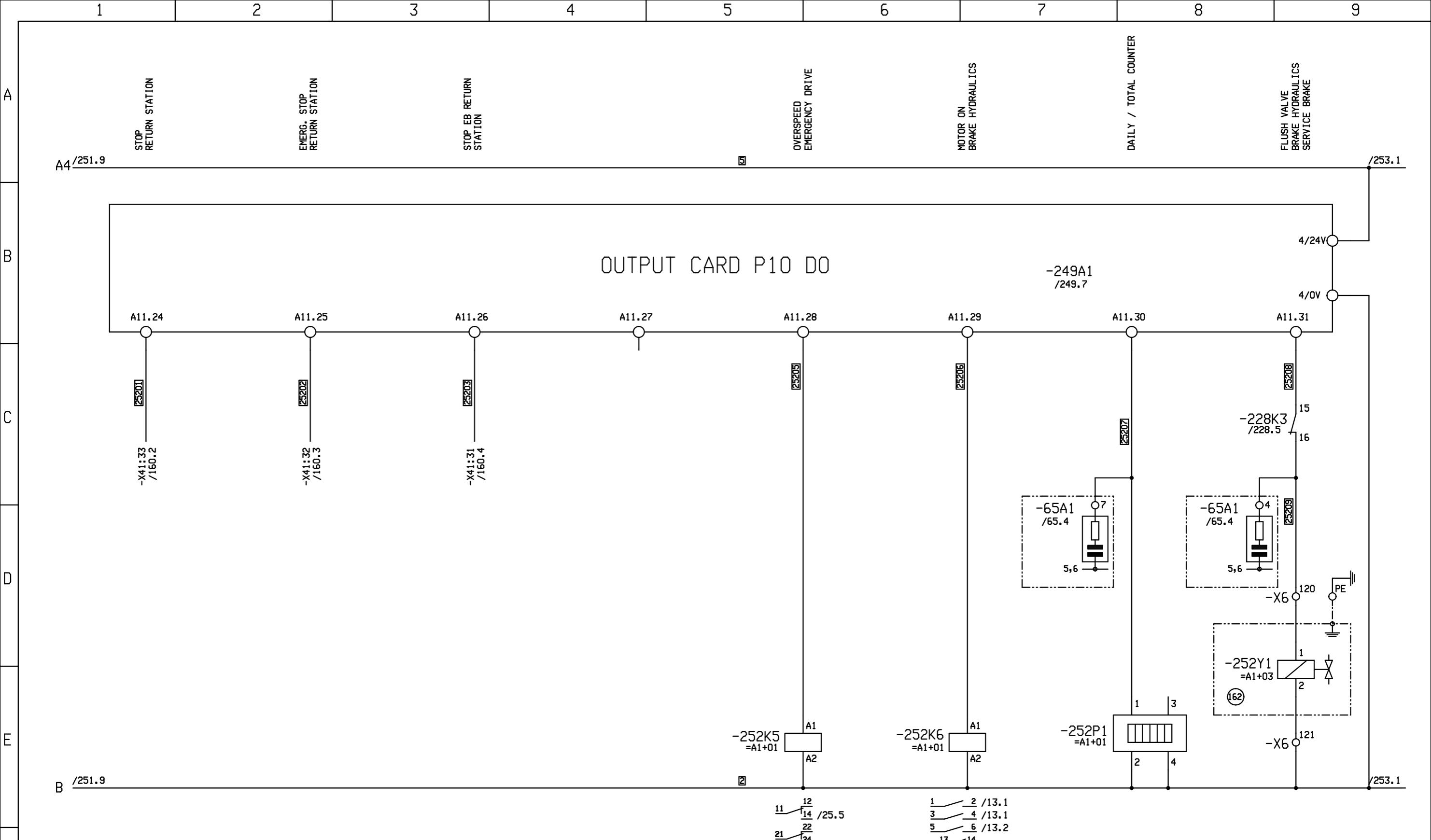
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File: ANWAA4186





Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	OUTPUT PLC (ST)	=A1+01
Date	13.10.16	Dr.ch.by	Fma				Date 13.10.16
File:	ANWAA4186						Sheet : 251 Cont.sheet: 252
DRIVE STATION		LV-CONTROL					



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

OUTPUT PLC (ST)

DRIVE STATION

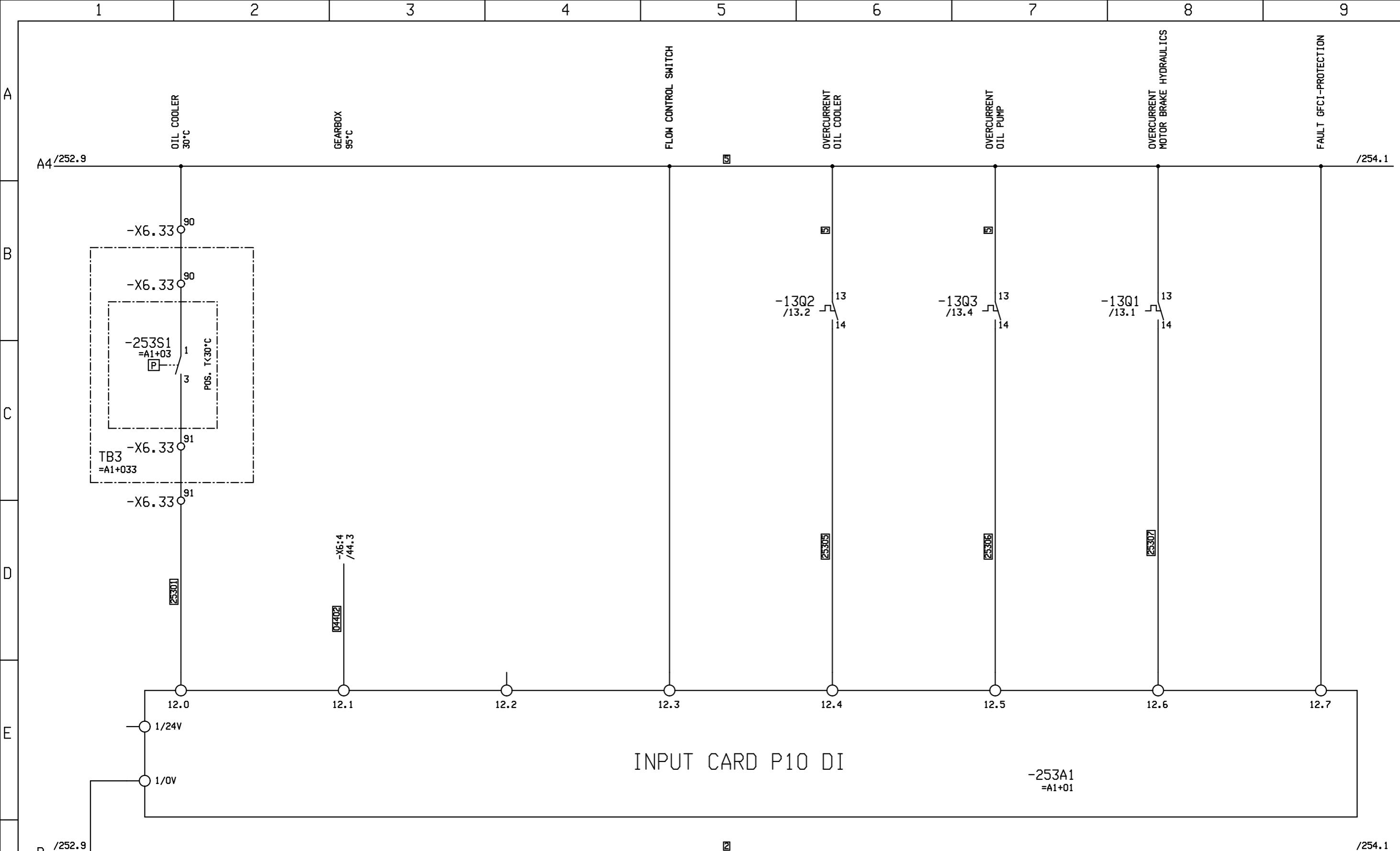
LV-CONTROL

=A1+01

Date 13.10.16

Sheet : 252

Cont.sheet: 253



Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr [®] Innovia Patent GmbH A-6960 WOLFURT / AUSTRIA	INPUT PLC (ST)		=A1+01
Date	13.10.16	Dr.ch.by	Fma			DRIVE STATION		Sheet : 253
File: ANWAA4186						LV-CONTROL		Cont.sheet: 254

A

A4/253.9

PLATFORM
-5738_1
PARKING UP
MOTOR 1PLATFORM
-5738_1
PARKING UP
MOTOR 2PLATFORM
-5738_1
PARKING LOWER
MOTOR 1PLATFORM
-5738_1
PARKING LOWER
MOTOR 2PLATFORM
-5738_1
PARKING UP
MOTOR 3PLATFORM
-5738_1
PARKING UP
MOTOR 4PLATFORM
-5738_1
PARKING LOWER
MOTOR 3PLATFORM
-5738_1
PARKING LOWER
MOTOR 4

/255.1

B

C

D

E



B /253.9 /255.1

F

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01	
Date	13.10.16	Dr.ch.by	Fma			Date 01.04.16	
File:	ANWAA4186					Sheet : 254	
		INPUT PLC (ST)		LV-CONTROL		Cont.sheet: 255	
		DRIVE STATION		LV-CONTROL			

A

A4/254.9

PLATFORM
-5738²
PARKING UP
MOTOR 1PLATFORM
-5738²
PARKING UP
MOTOR 2PLATFORM
-5738²
PARKING LOWER
MOTOR 1PLATFORM
-5738²
PARKING LOWER
MOTOR 2PLATFORM
-5738²
PARKING UP
MOTOR 1PLATFORM
-5738²
PARKING UP
MOTOR 2PLATFORM
-5738²
PARKING LOWER
MOTOR 1PLATFORM
-5738²
PARKING LOWER
MOTOR 2

/256.1

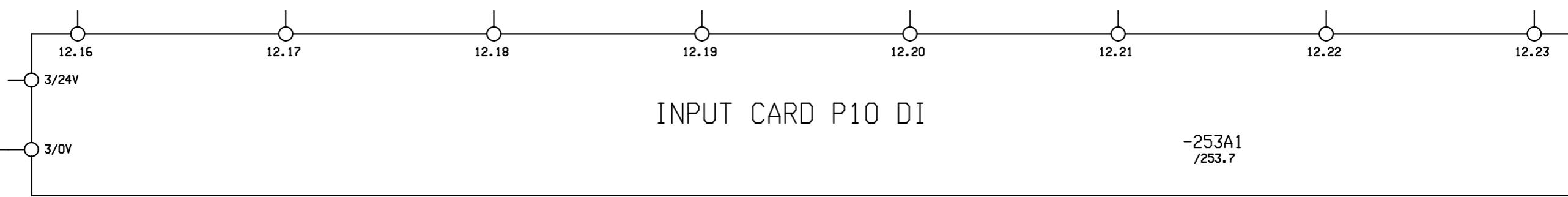
B

C

D

E

B /254.9

-253A1
/253.7

/256.1

F

Revision 2.0 Drawn by SST

Date 13.10.16 Dr.ch.bv Fma

File: ANWAA4186

10-MGD BaNa5

WAA0004186

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Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

INPUT PLC (ST)

DRIVE STATION

LV-CONTROL

=A1+01

Date 01.04.16

Sheet : 255

Cont.sheet: 256

1

2

3

4

5

6

7

8

9

A

A4/255.9

PLATFORM 1
THROUGH MODE
OUTGOING SIDE
(CUPHILL)
END POSITION UP
MOTOR 1

PLATFORM 1
THROUGH MODE
OUTGOING SIDE
(CUPHILL)
END POSITION UP
MOTOR 2

PLATFORM 1
THROUGH MODE
OUTGOING SIDE
(CUPHILL)
END POSITION LOWER
MOTOR 1

PLATFORM 1
THROUGH MODE
OUTGOING SIDE
(CUPHILL)
END POSITION LOWER
MOTOR 2

PLATFORM 2
THROUGH MODE
OUTGOING SIDE
(DOWNHILL)
END POSITION UP
MOTOR 1

PLATFORM 2
THROUGH MODE
OUTGOING SIDE
(DOWNHILL)
END POSITION UP
MOTOR 2

PLATFORM 2
THROUGH MODE
OUTGOING SIDE
(DOWNHILL)
END POSITION LOWER
MOTOR 1

PLATFORM 2
THROUGH MODE
OUTGOING SIDE
(DOWNHILL)
END POSITION LOWER
MOTOR 2

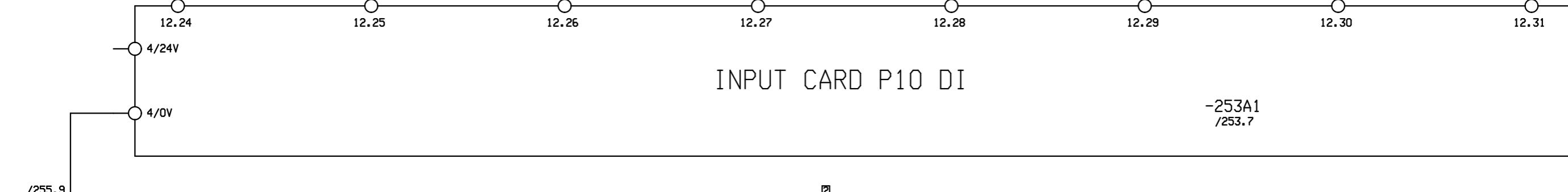
/257.1

B

C

D

E



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma

File: ANWAA4186

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



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A-6960 WOLFURT / AUSTRIA



INPUT PLC (ST)

DRIVE STATION

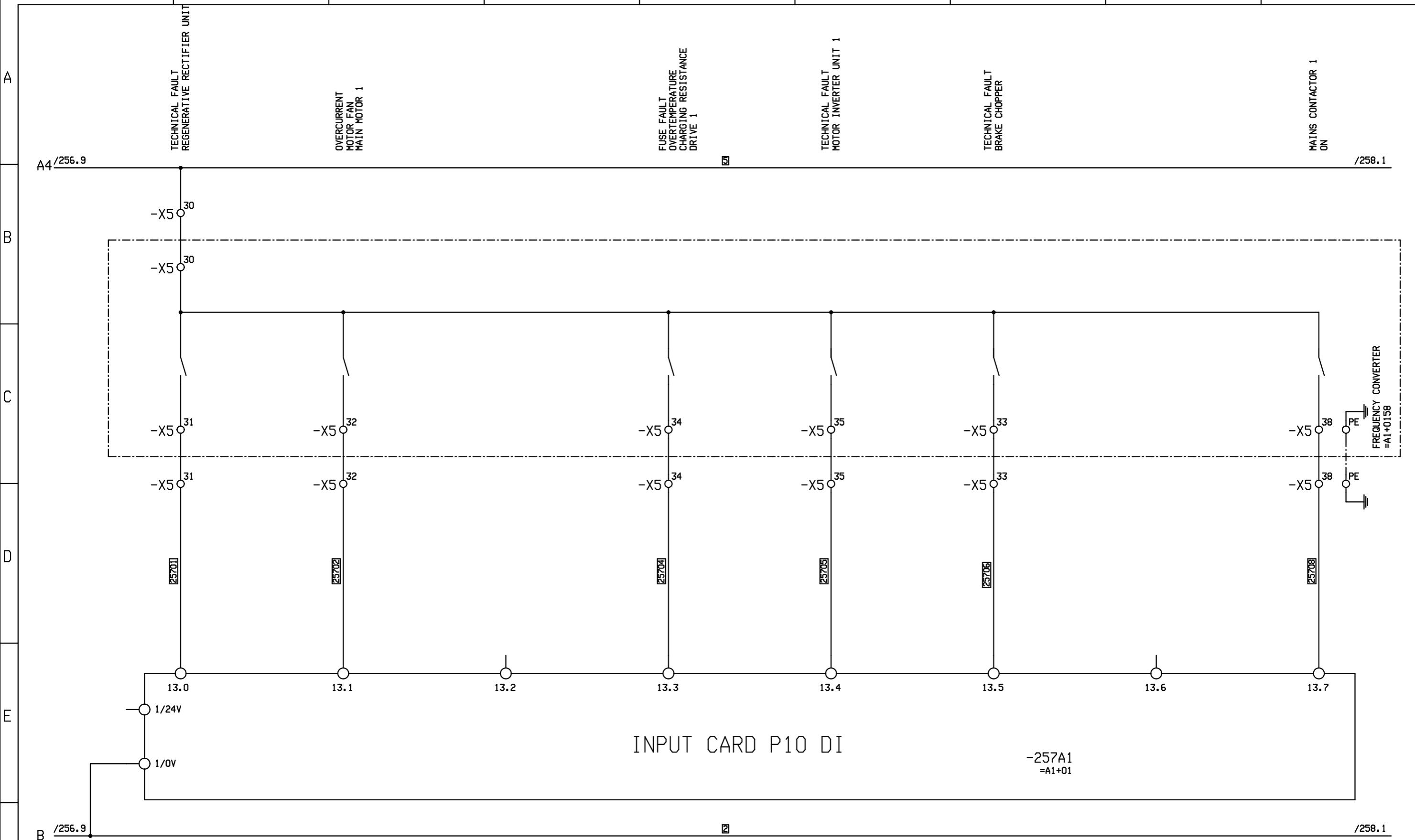
LV-CONTROL

=A1+01

Date 21.04.16

Sheet : 256

Cont.sheet: 257



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



INPUT PLC (ST)

DRIVE STATION

LV-CONTROL

=A1+01
Date 13.10.16
Sheet : 257
Cont.sheet: 258

1 2 3 4 5 6 7 8 9

A

TECHNICAL FAULT
REGENERATIVE RECTIFIER UNIT 2

OVERCURRENT
MOTOR FAN
MAIN MOTOR 2

FUSE FAULT
OVERTEMPERATURE
CHARGING RESISTANCE
DRIVE 2

TECHNICAL FAULT
MOTOR INVERTER UNIT 2

MAINS CONTACTOR 2
ON

A4/257.9

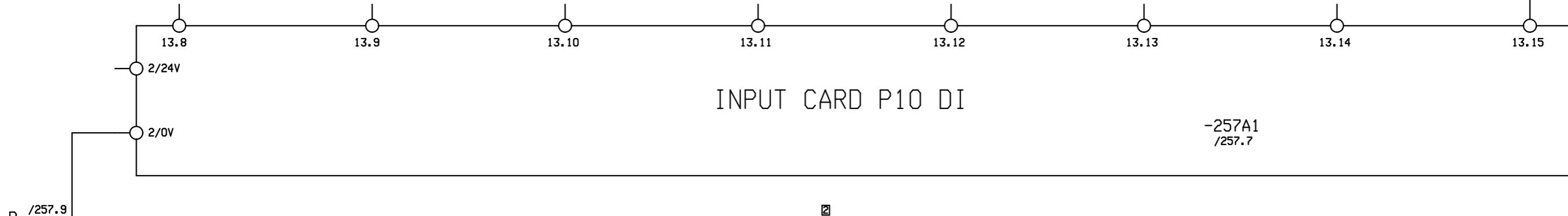
/259.1

B

C

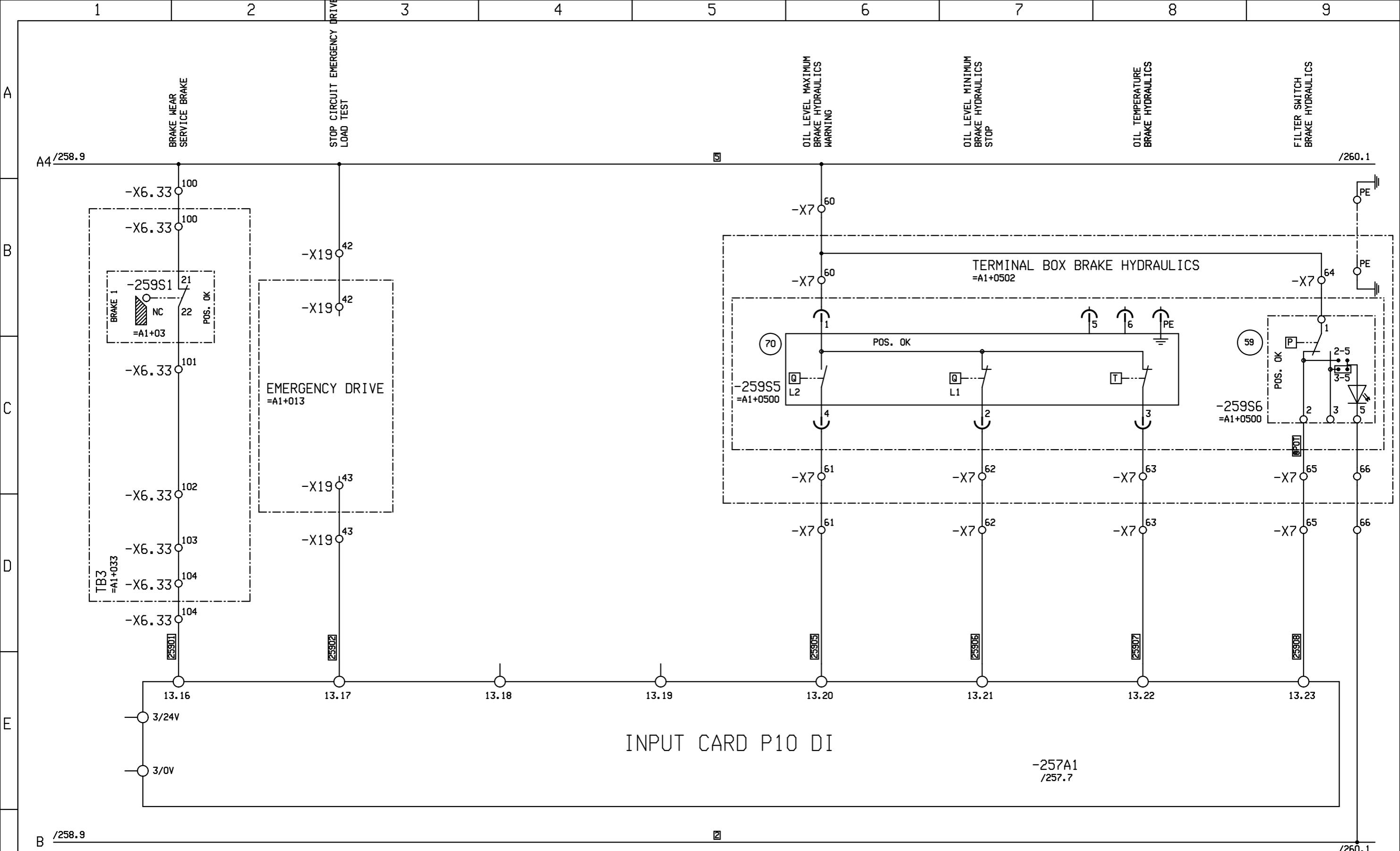
D

E



F

Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
Date	13.10.16	Dr.ch.by	Fma			Date 19.04.16
File:	ANWAA4186					Sheet : 258 Cont.sheet: 259
		INPUT PLC (ST)		DRIVE STATION		LV-CONTROL



Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

=A1+01

Date 13.10.16

File: ANWAA4186

INPUT PLC (ST)

DRIVE STATION

LV-CONTROL

Sheet : 259
Cont.sheet: 260

1 2 3 4 5 6 7 8 9

A

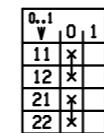
OVER VOLTAGE LOW VOLTAGE DISTRIBUTION
TECHNICAL FAULT COMPENSATION MAIN MOTOR 1
TECHNICAL FAULT COMPENSATION MAIN MOTOR 2
STOP SB BUTTONS
AUXILIARY READY

A4/259.9 /269.1

-245A1:A10.9
/246.2
CLOCK 2 ST

5

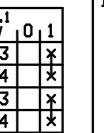
-260S1
=A1+01



/129.7

25004

-260S2
0 01
=A1+01
13 23
14 24



26008

13.24

13.25

13.26

13.27

13.28

13.29

13.30

13.31

4/24V

4/0V

INPUT CARD P10 DI

-257A1
/257.7

B

/259.9 /261.4

2

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



INPUT PLC (ST)		=A1+01
Date 20.04.16		
DRIVE STATION	LV-CONTROL	Sheet : 260
		Cont.sheet: 261

A

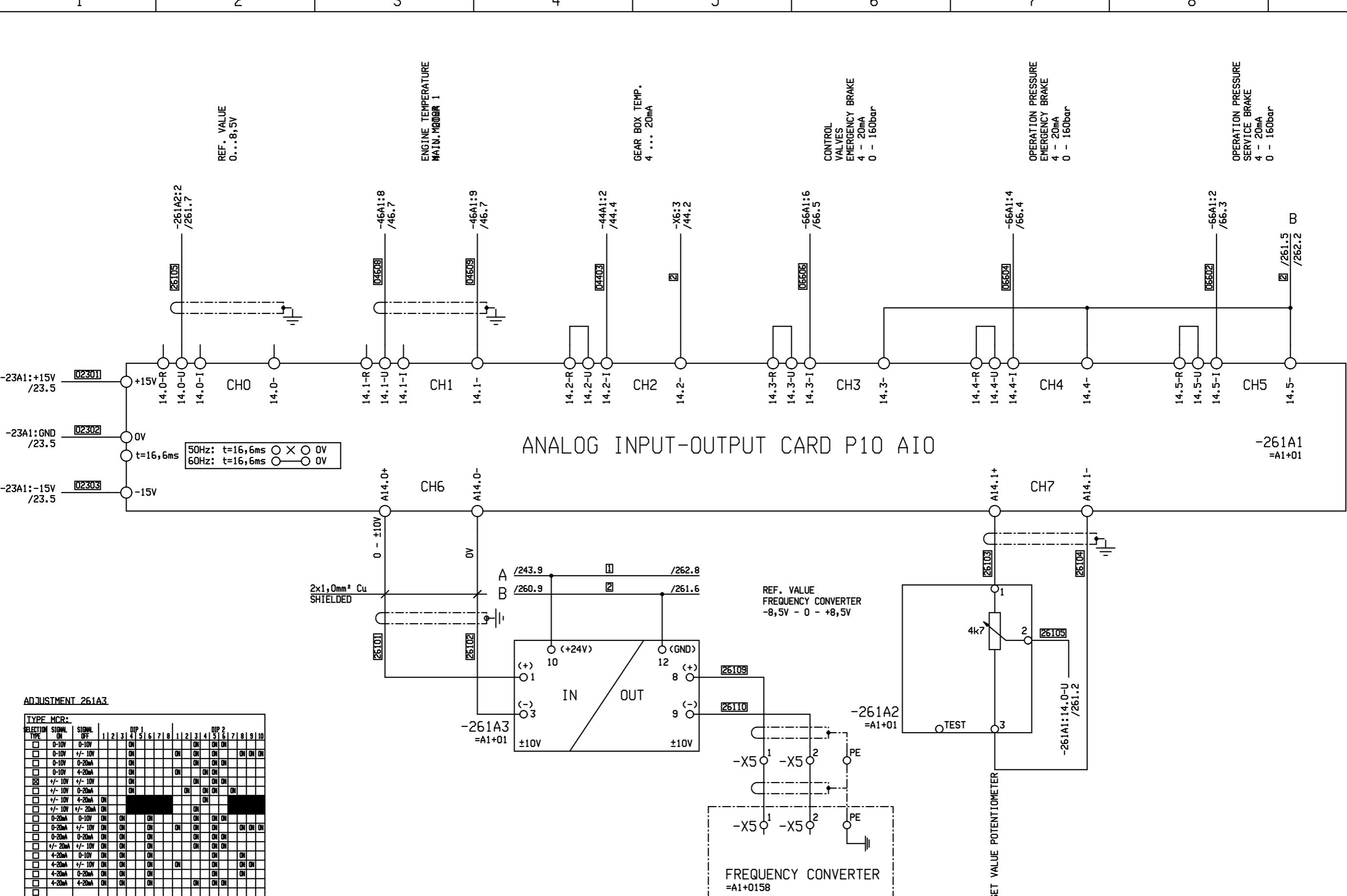
B

C

D

E

F



A

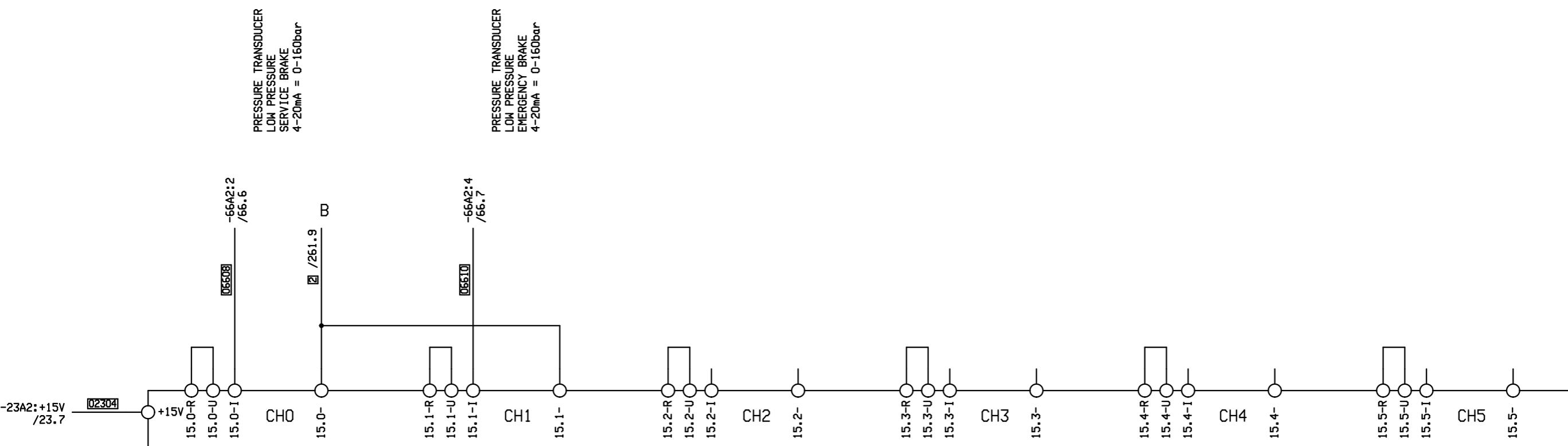
B

C

D

E

F



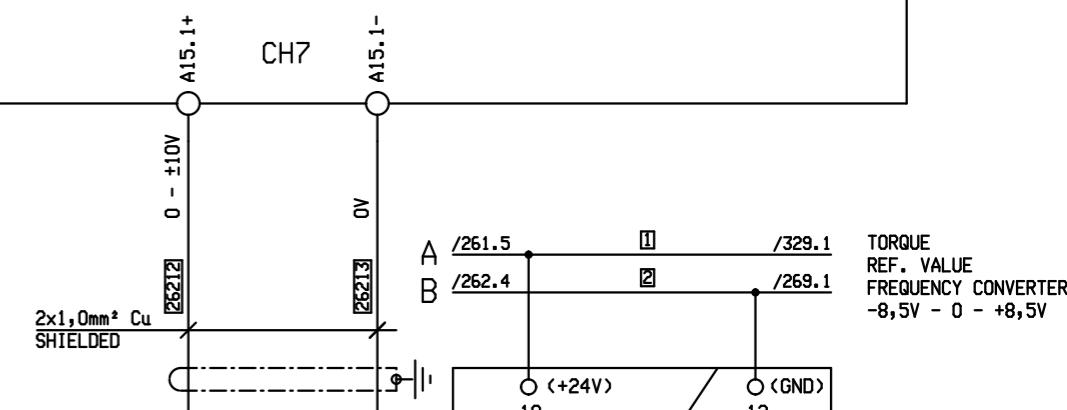
ANALOG INPUT-OUTPUT CARD P10 AIO

REF. VALUE
FREQUENCY CONVERTER
PROCESSOR SPACING
0 - 7,0V

-18A1:X1.5 /18.4
-18A1:X1.6 /18.4

ADJUSTMENT -262A3.

TYPE MCR:		SIGNAL ON	SIGNAL OFF	DIP 1		DIP 2							
				1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	0-10V	0-10V		<input checked="" type="checkbox"/>	<input type="checkbox"/>								
<input type="checkbox"/>	0-10V	+/- 10V		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	0-10V	0-20mA		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	0-10V	4-20mA		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	+/- 10V	+/- 10V		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Revision 2.0 Drawn by SST

10-MGD BaNa5

WAA0004186

DANANG / VIETNAM

File: ANWAA4186

Doppelmayr

Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

ANALOG IN/OUTPUT PLC (ST)

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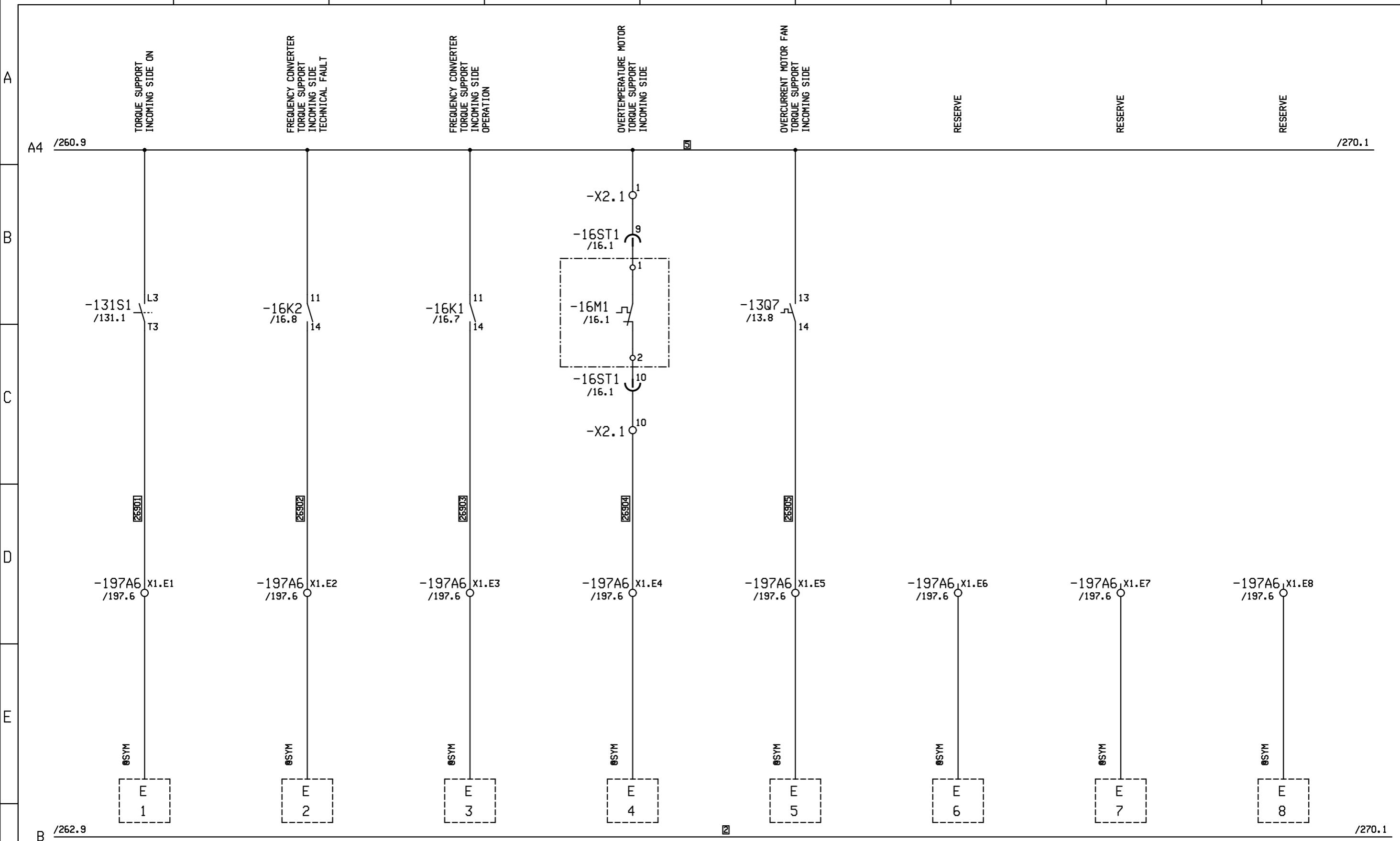
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Date 19.04.16

Sheet : 262

Cont. sheet: 269



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Date	13.10.16	Dr.ch.by	Fma

File: ANWAA4186

10-MGD BaNa5

WAA0004186

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Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

INPUT PLC BECKHOFF - TORQUE SUPPORT INCOMING

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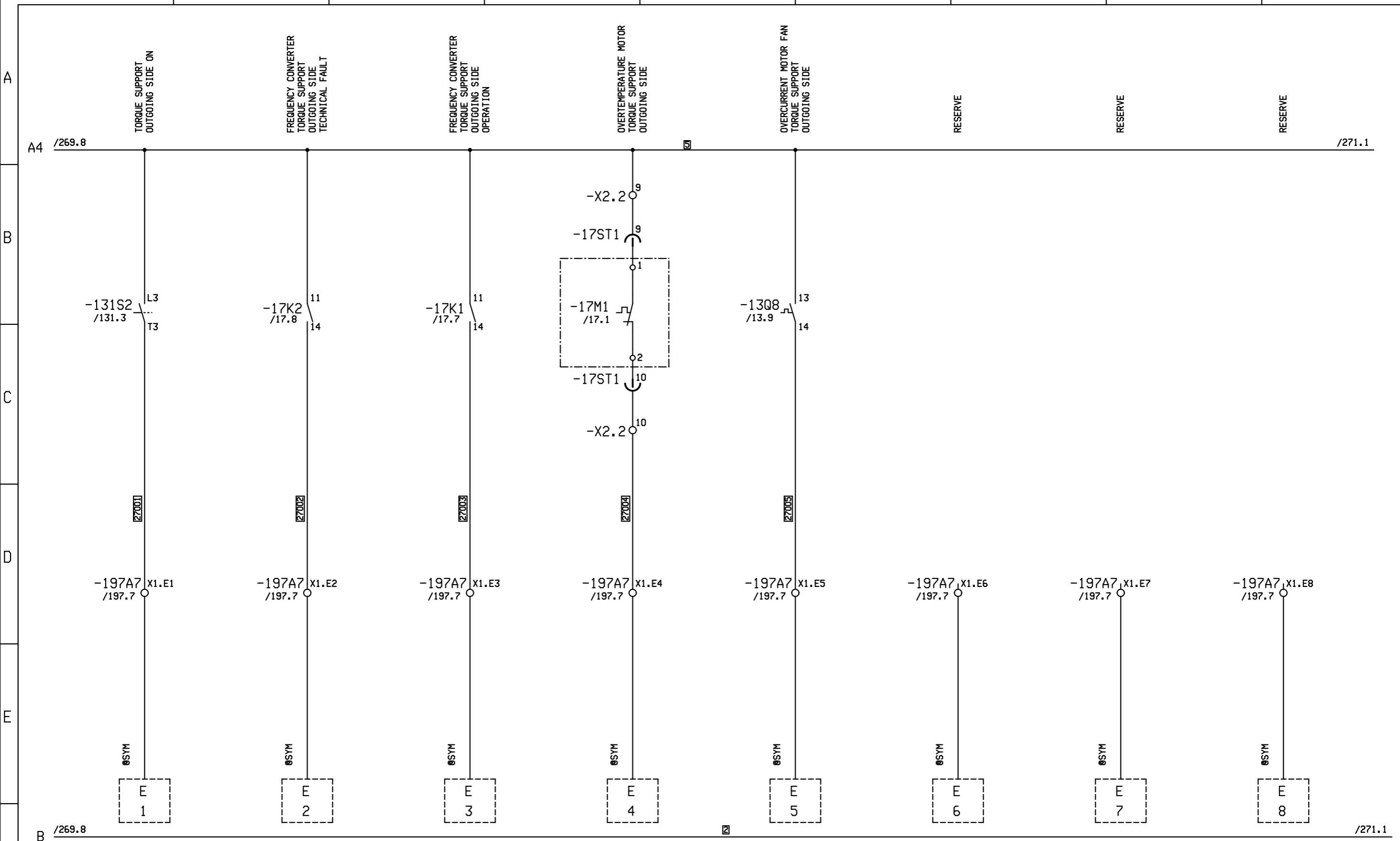
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Date 13.10.16

Sheet : 269

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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



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INPUT PLC BECKHOFF - TORQUE SUPPORT OUTGOING

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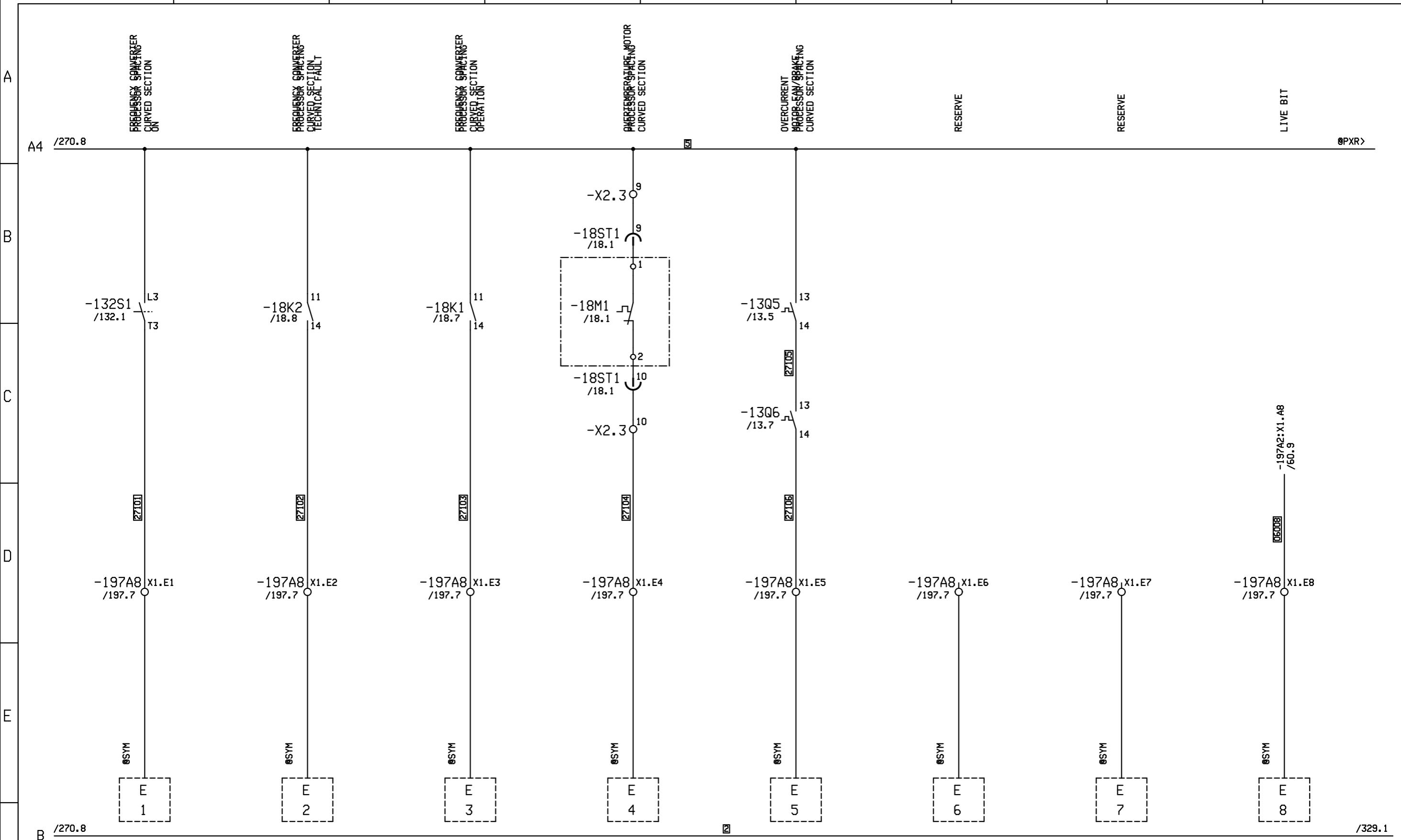
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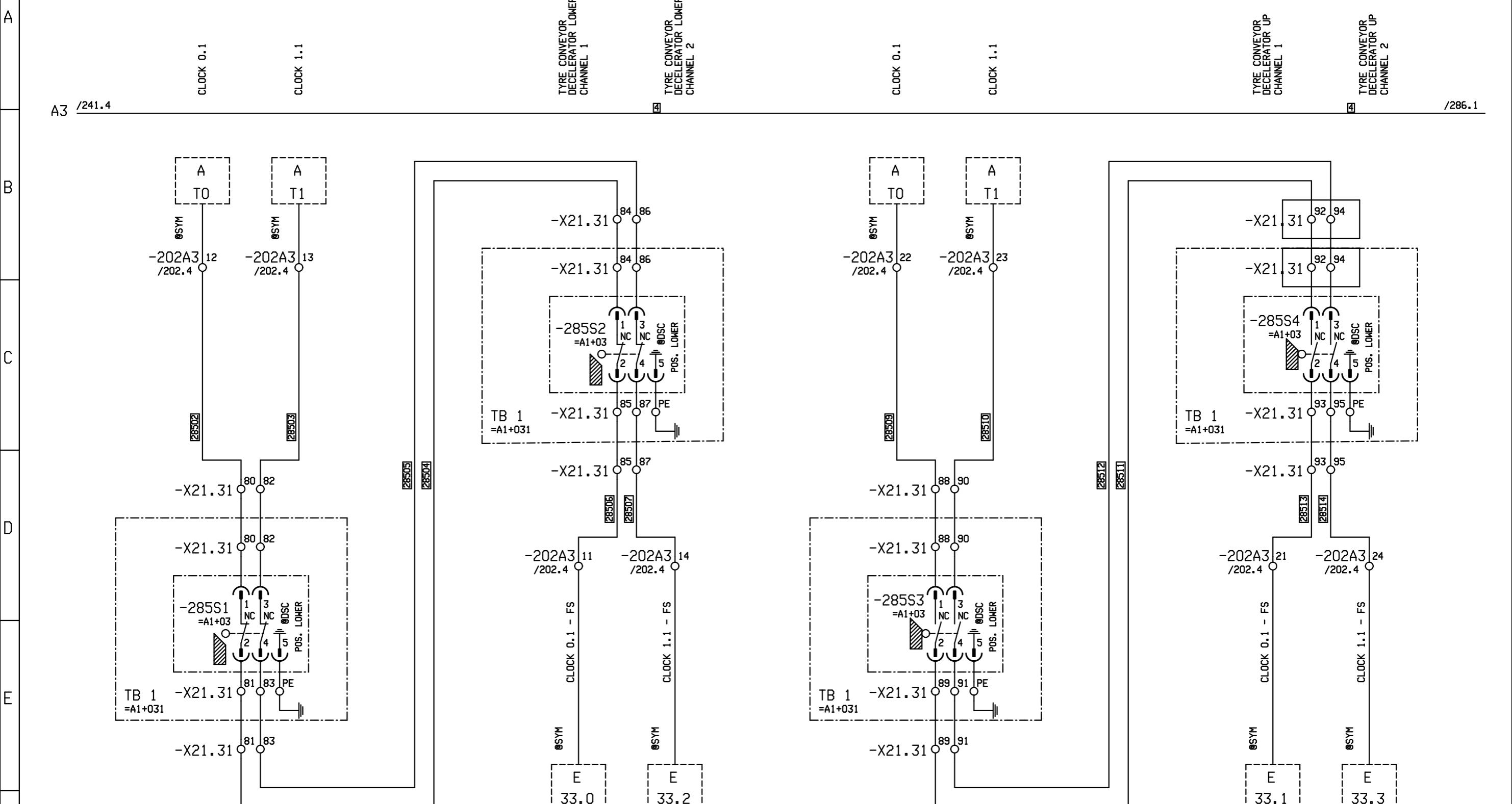
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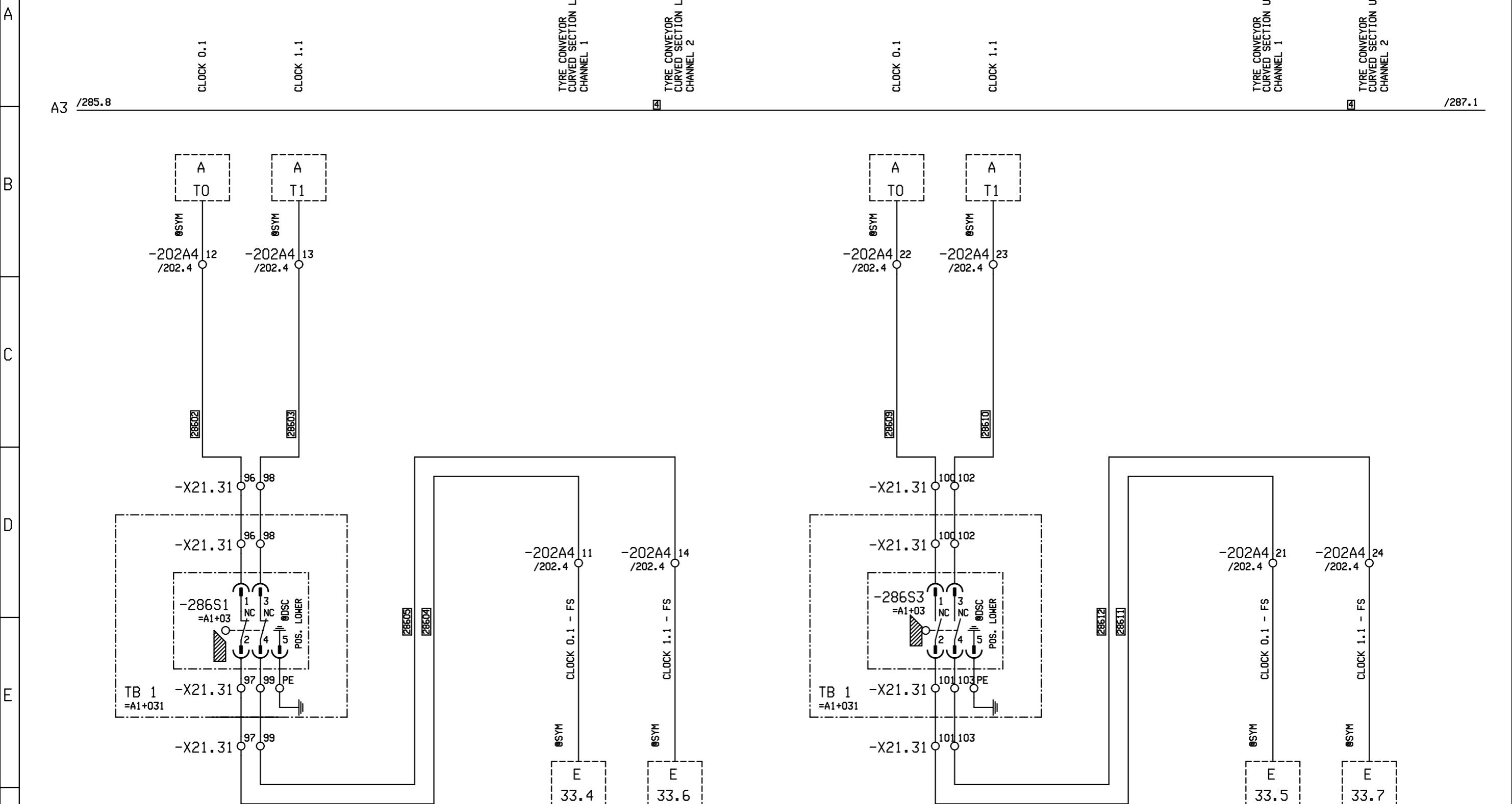
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WAA0004186
DANANG / VIETNAM



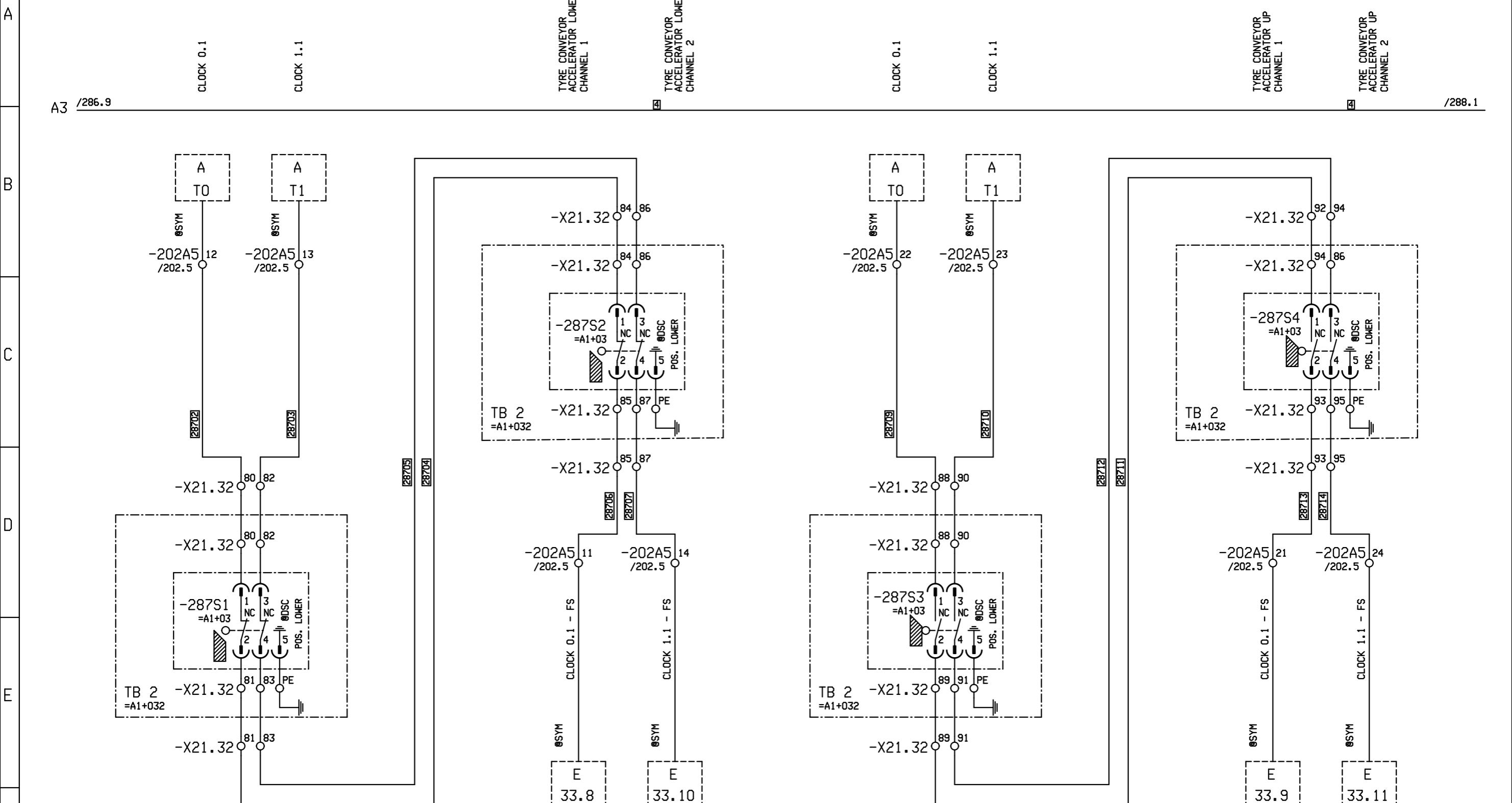
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Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



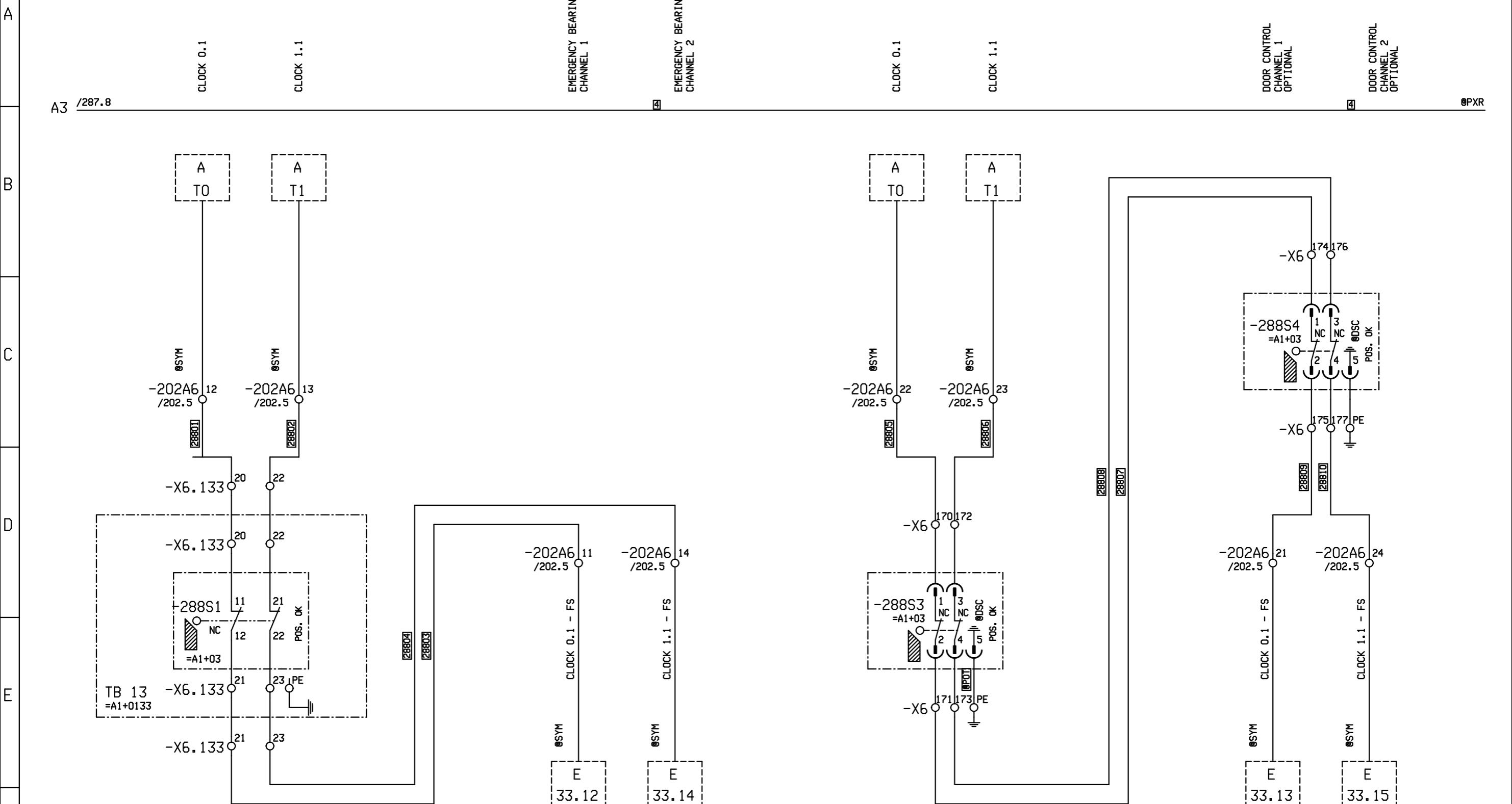


Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr Innovia Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
Date	13.10.16	Dr.ch.by	Fma			Date 26.07.16
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Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



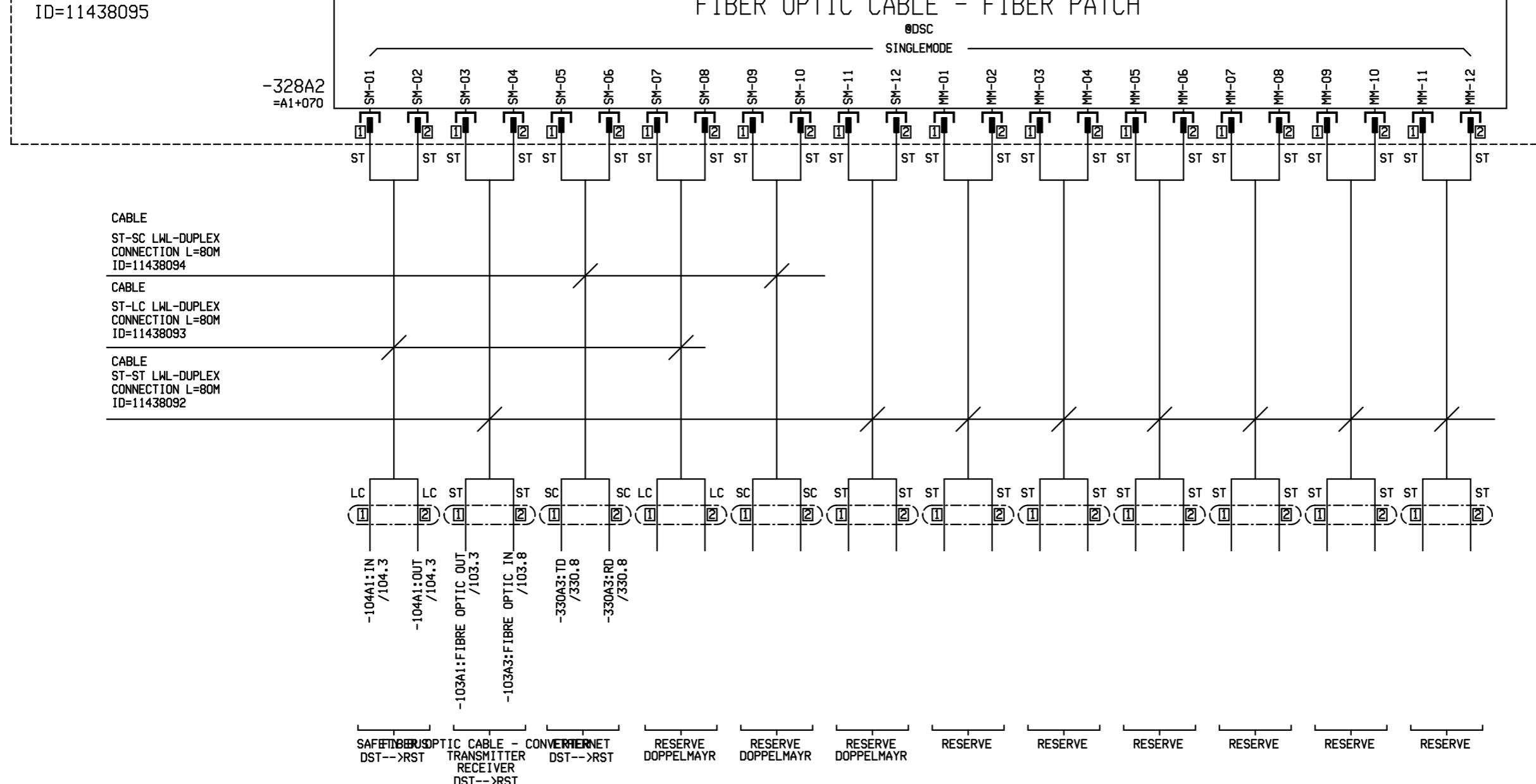
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Date	13.10.16	Dr.ch.by	Fma			Date 24.05.16
File:	ANWAA4186					Sheet : 288 Cont.sheet: 328
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					DRIVE STATION	LV-CONTROL

A-DQ₂(ZN)₂(BN)2Y 6x4E9/125 FIBRE OPTIC SINGLEMODE WITH CONNECTOR CONNECTIONS DRIVE STATION - RETURN STATION

ON LINE
=A1+06

TERMINAL BOX
FIBER OPTIC CABLE - FIBER PA
STATION
=A1+070

ID=11438095



Revision	2.0	Drawn by	S
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10-MGD BaNa5
WAA0004186
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- FIBER OF THE ORDER

DRIVE STATION LV-CONTROL

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11-31

et al.

BL : 328

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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
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MODEM

DRIVE STATION

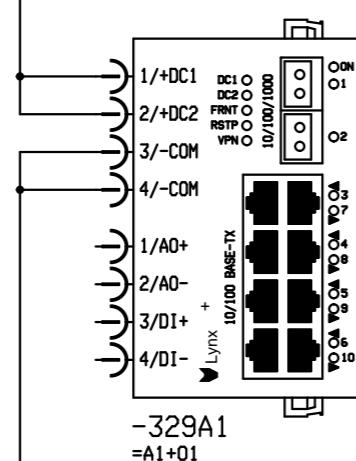
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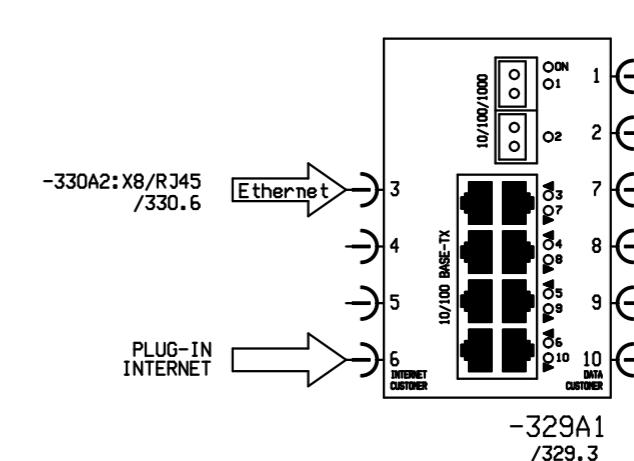
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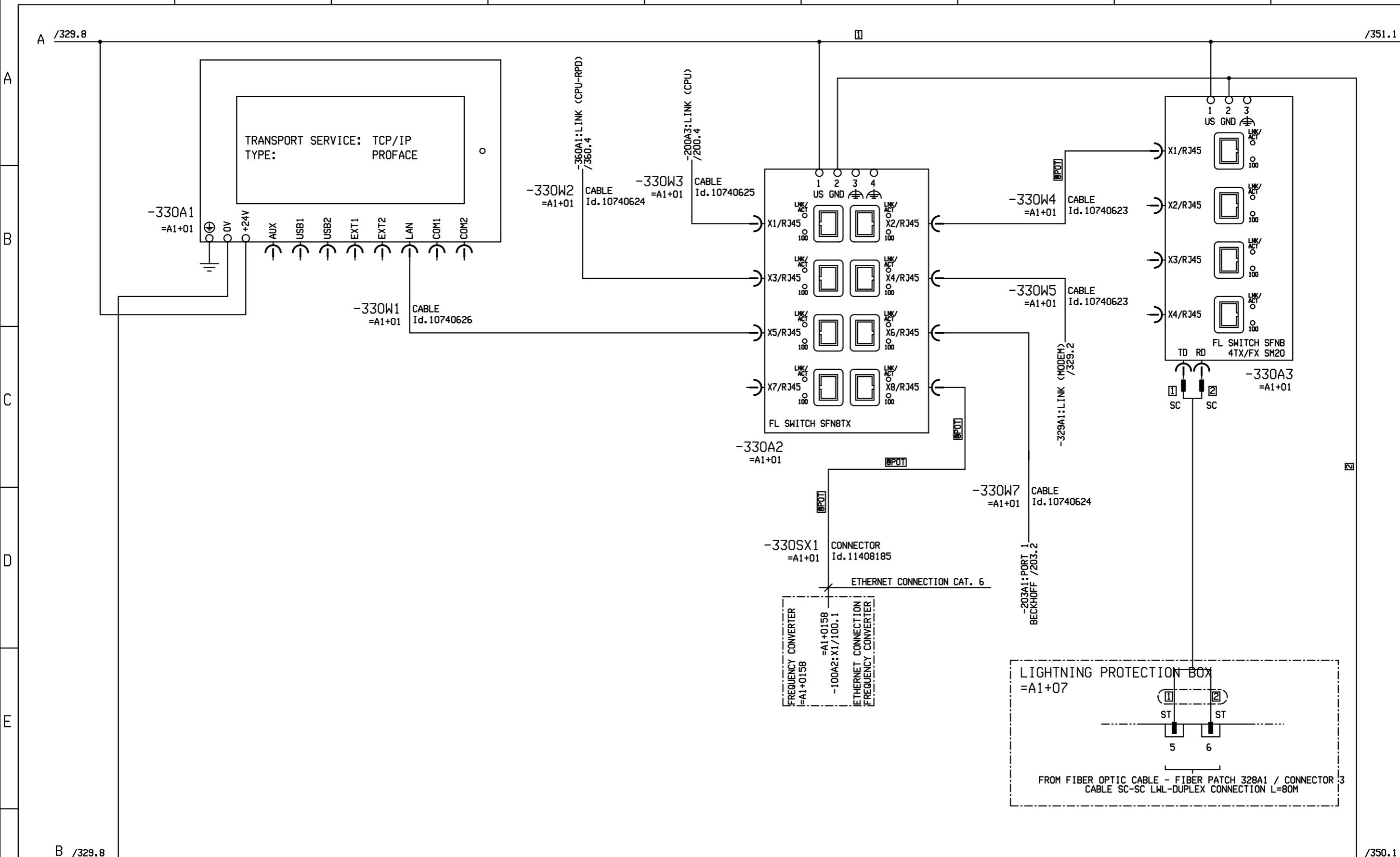
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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.bv	Fma

10-MGD BaNa5
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File: ANWAA4186

TOUCH SCREEN	=A1+01
DRIVE STATION	Date 28.07.16

DRIVE STATION

LV-CONTROL

Sheet : 330
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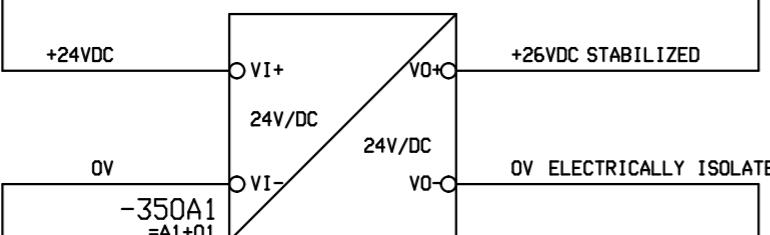
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DC-DC CONVERTER
24VDC → 26VDC
RPD SYSTEM

35001

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B /330.9



/330.9

35002

/351.1 R-

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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

D Doppelmayr
Innova Patent GmbH
A-6960 WOLFURT / AUSTRIA

RPD SUPPLY VOLTAGE		=A1+01
DRIVE STATION	LV-CONTROL	Date : 20.06.16
Sheet : 350		Cont.sheet: 351

File: ANWAA4186

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SRA - SENSOR OUTPUT
LED-DISPLAYAOC - SENSOR OUTPUT
LED-DISPLAY

@PXR

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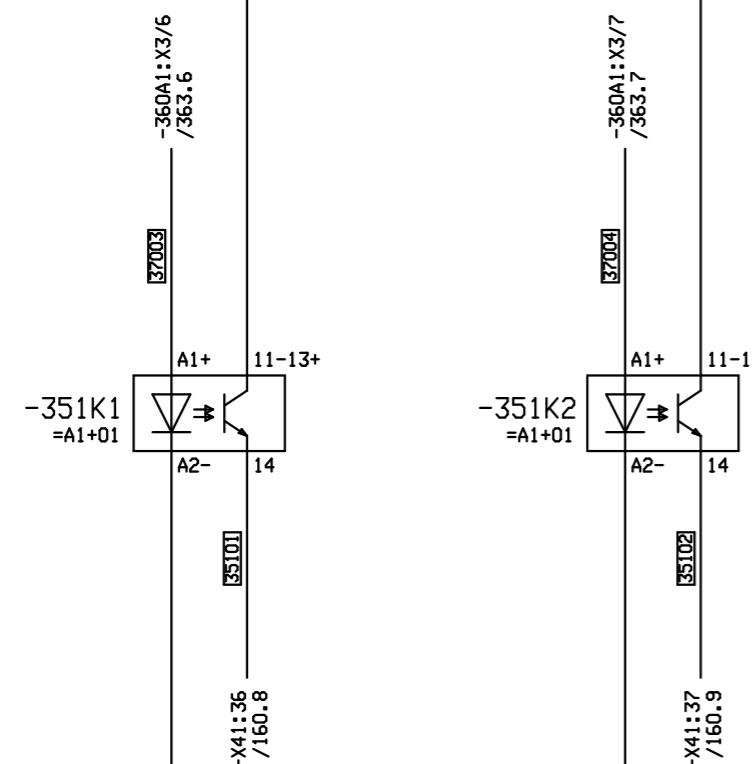
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Revision	2.0	Drawn by	SST	10-MGD BaNa5 WAA0004186 DANANG / VIETNAM	 Doppelmayr® Innova Patent GmbH A-6960 WOLFURT / AUSTRIA	=A1+01
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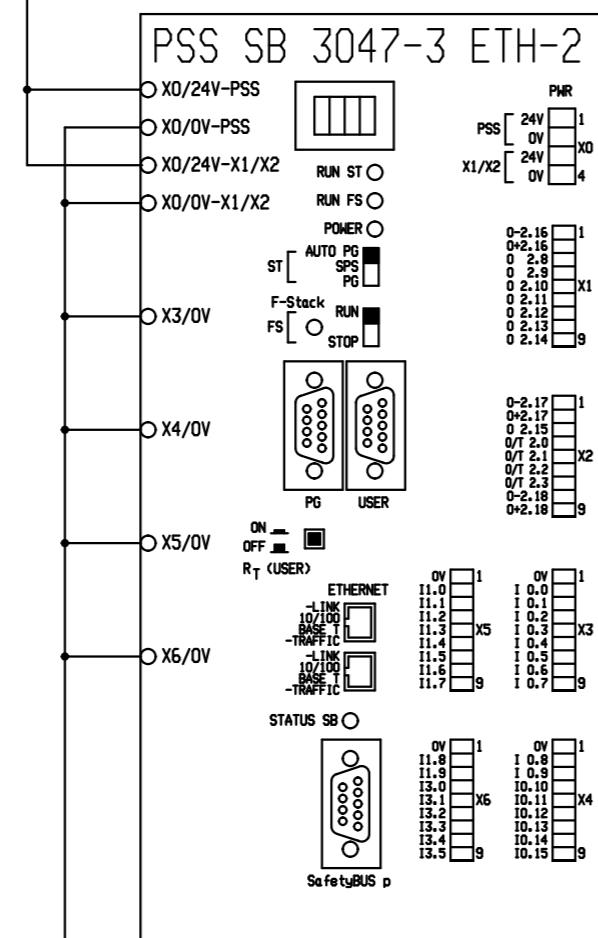
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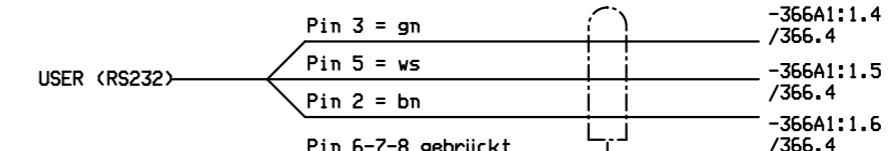
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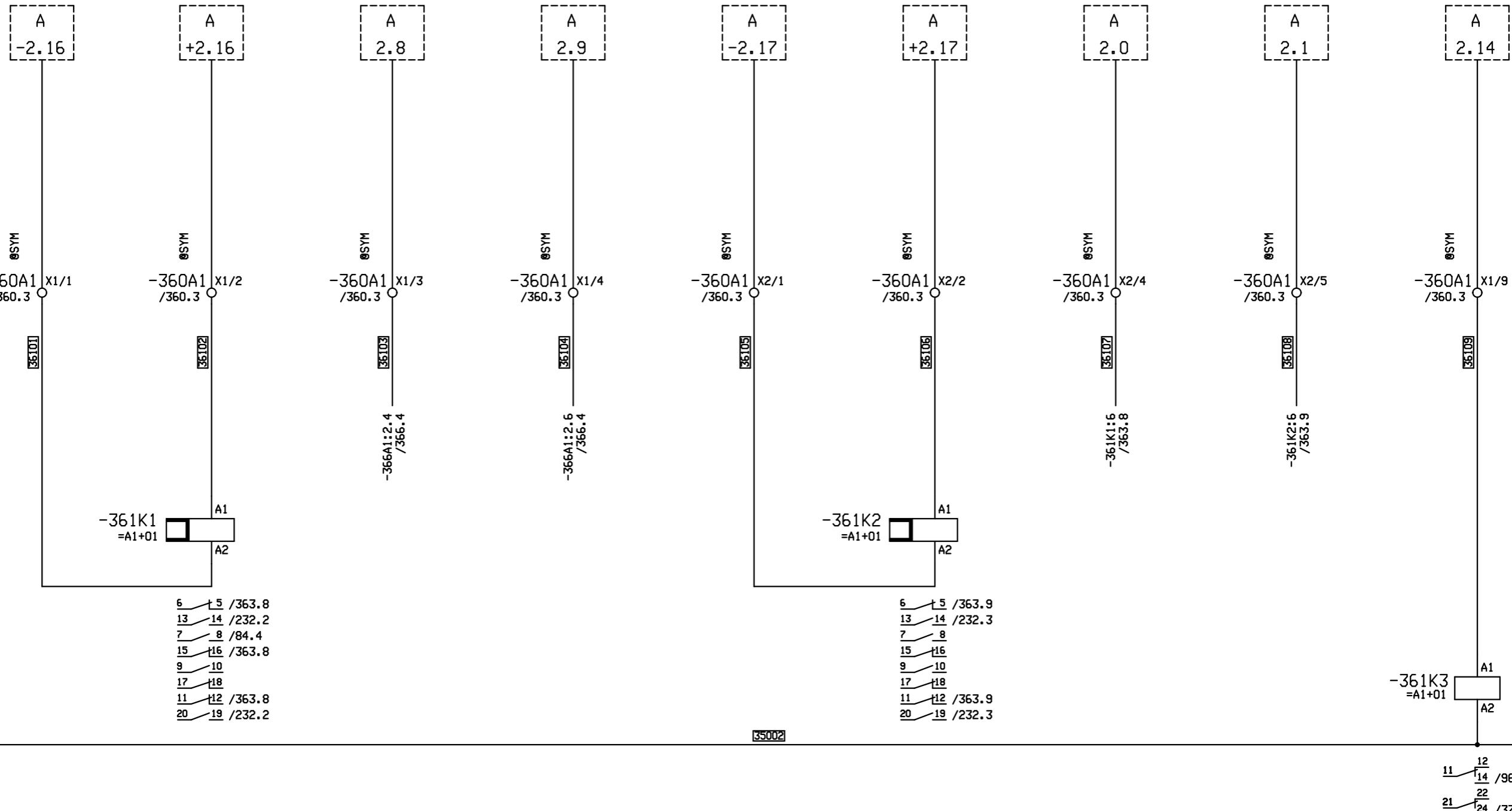
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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma
File: ANWAA4186			

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

R+ /360.9



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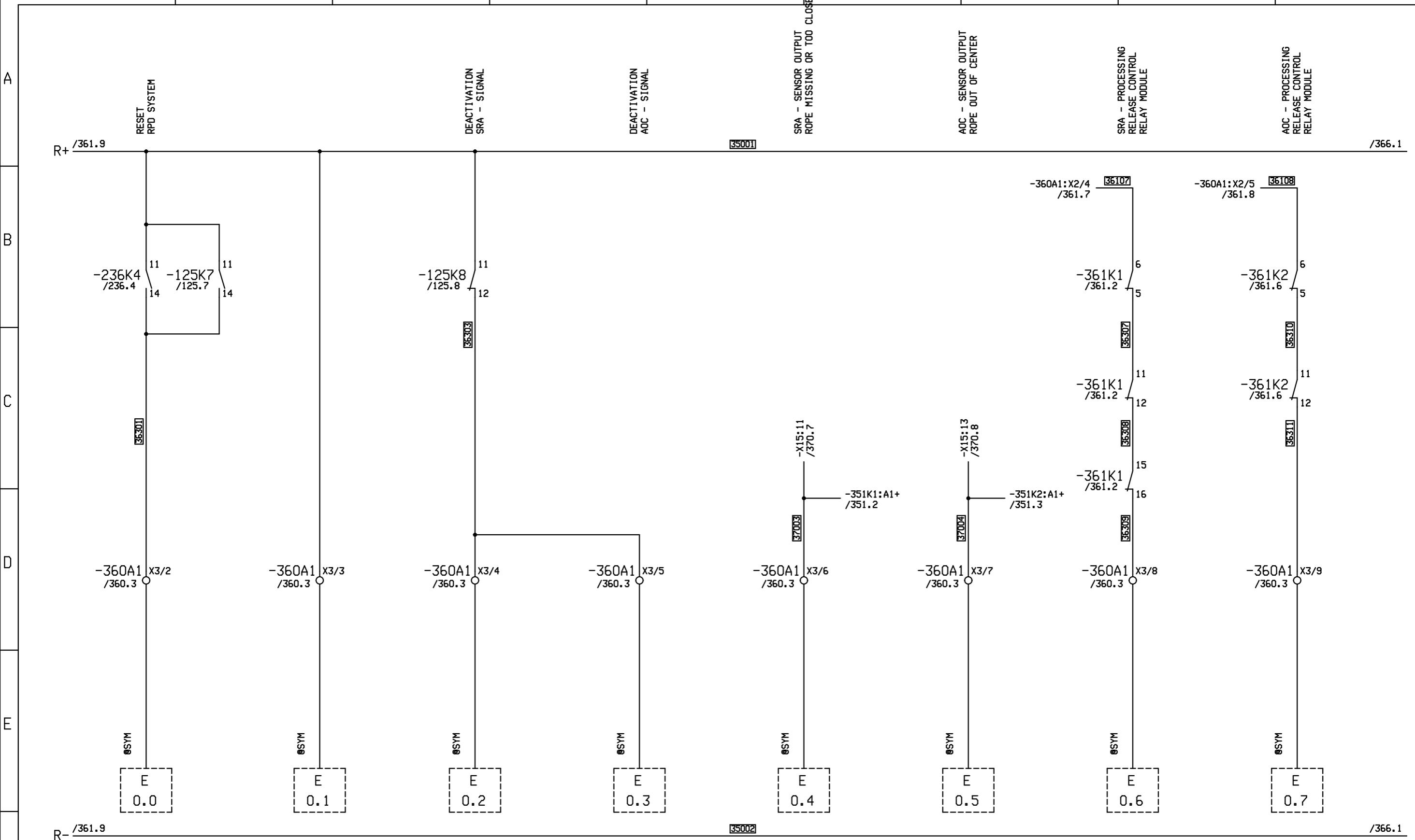
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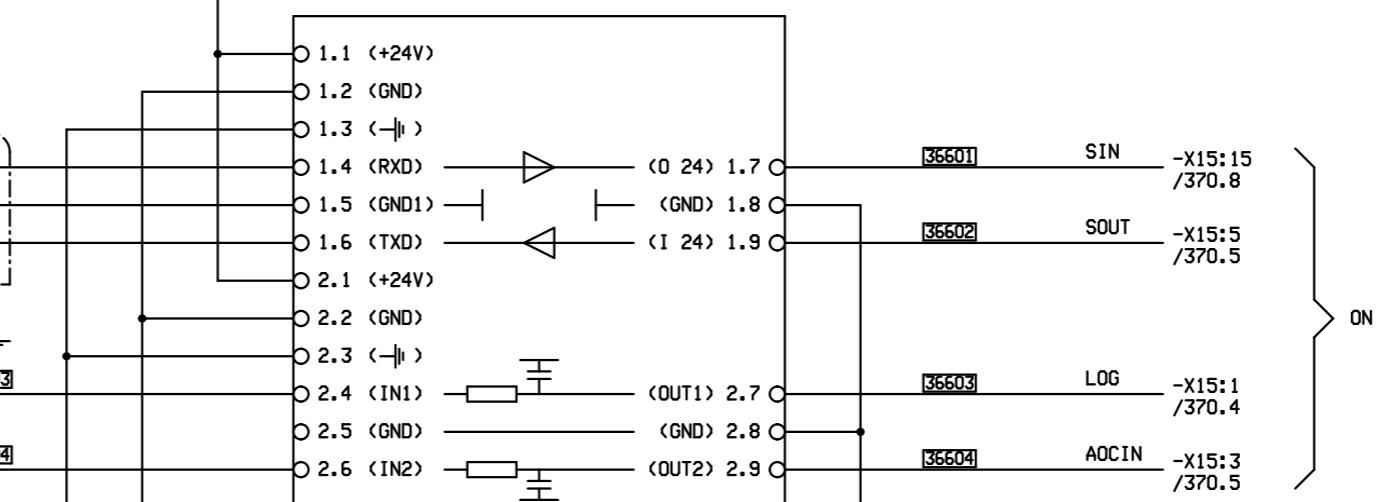
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LEVEL CONVERTER
FILTER
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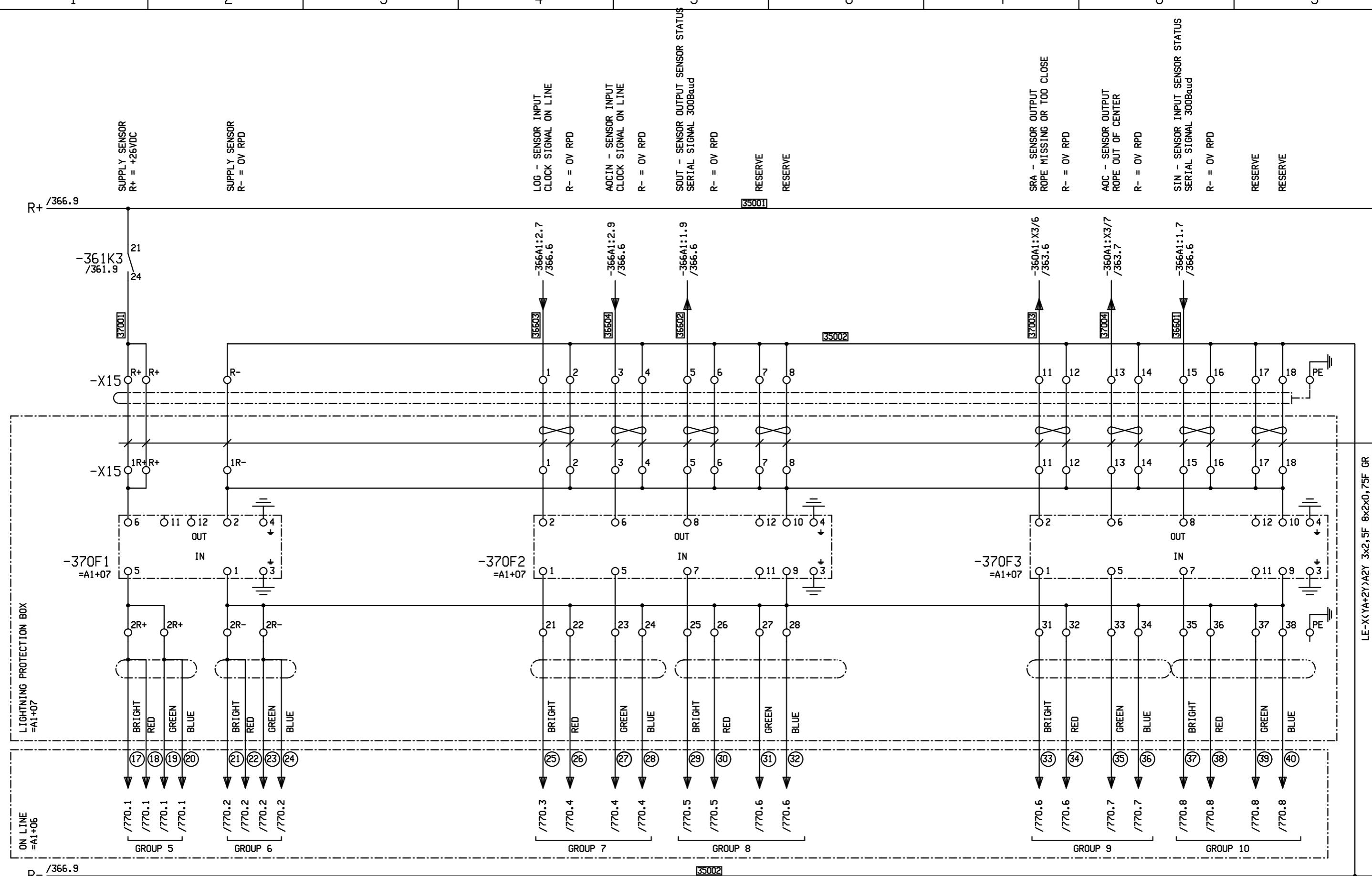
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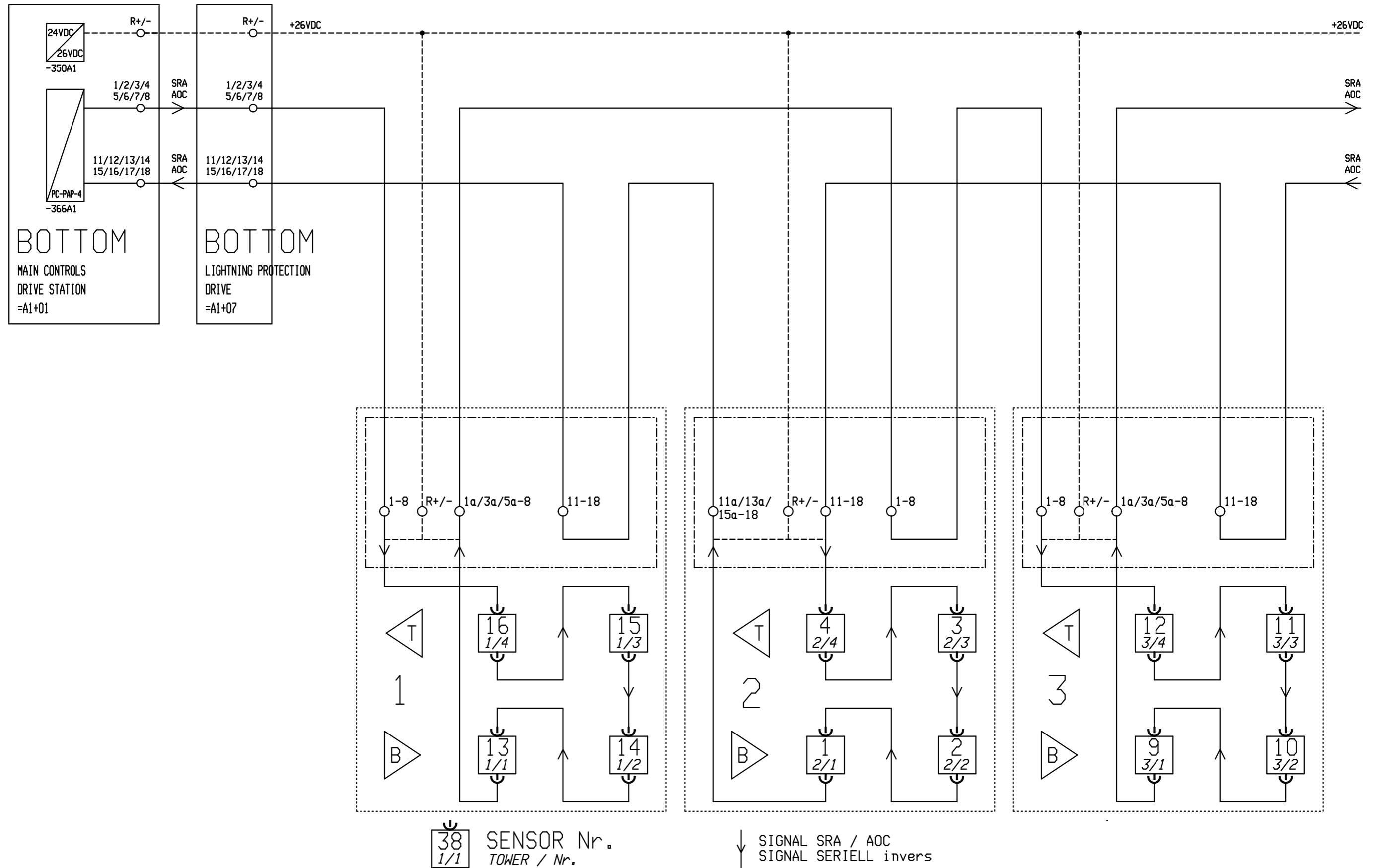
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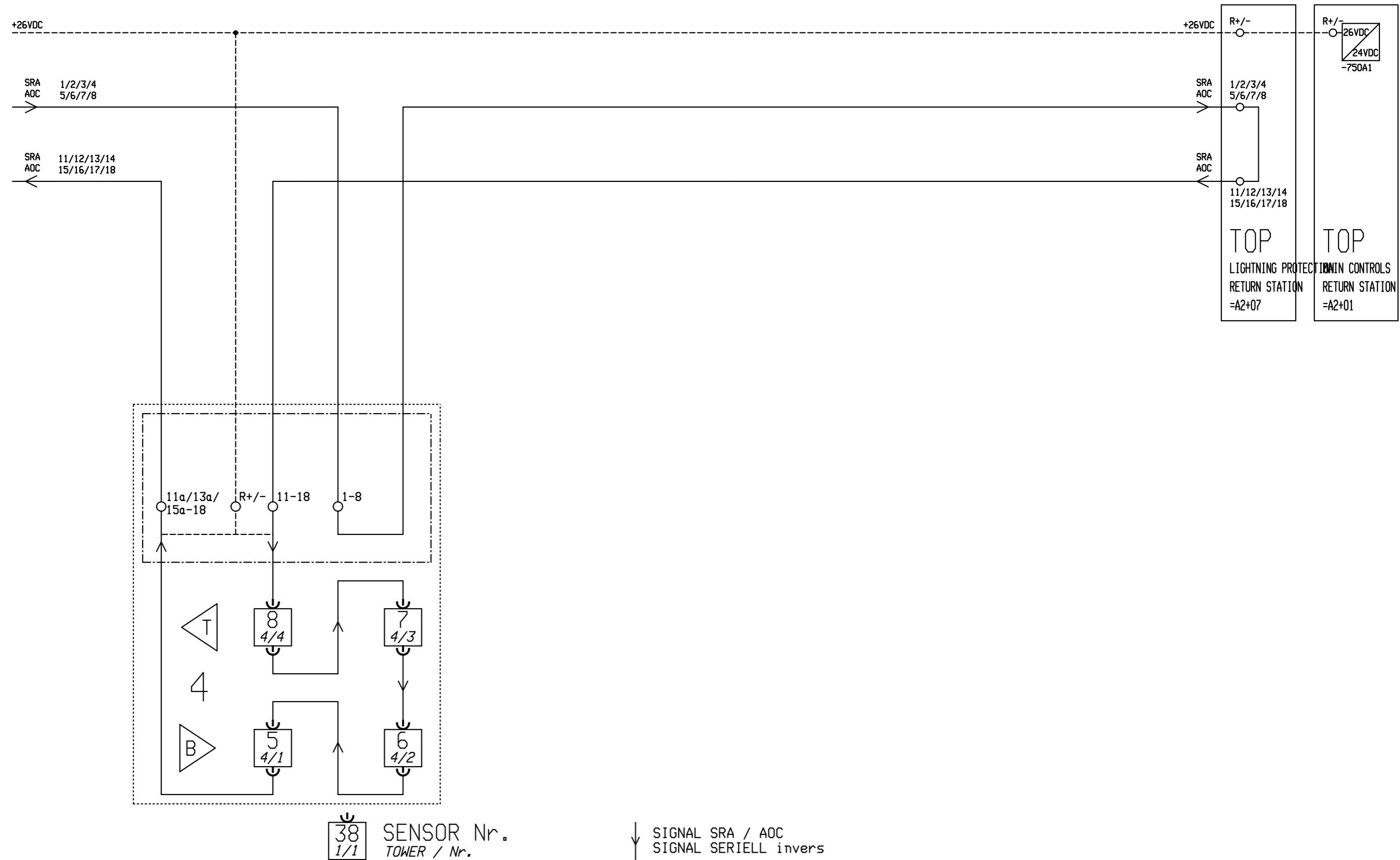
10-MGD BaNa5
WAA0004186
DANANG / VIETNAM





Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
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Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fma

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM

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F

Revision	2.0	Drawn by	SST
Date	13.10.16	Dr.ch.by	Fm

10-MGD BaNa5
WAA0004186
DANANG / VIETNAM



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RPD SENSOR

DRIVE STATION

| V=CONTROL

=A1+Q1

04.05.17

Sheet : 395