

ÍSLENSKA

1. ALLUR RAFBÚNAÐUR OG RAFEINDABÚNAÐUR OG ÍHLUTIR SLULU VERA -CE- MERKTIR OG VOTTAD AÐ ÞEIR UPPFYLLI REGLUGERÐ 89 / 366 EEC MEÐ SÍÐARI BREYTINGUYM SKV. REGLUGERÐ 92/91 EEC (SAMRÆMING RAFBÚNAÐAR) MEÐ TILVÍSUN Í STAÐLA EN 50081-2 OG EN 50082-2 OG ALLAR GILDANDI REGLUR ÞEGAR VARAN ER AFGREIDD.
2. ALLIR RAFMAGNS- OG RAFEINDAÍHLUTIR SKULU VERA -CE- MERKTIR OG AFHENTIR MEÐ STAÐFESTINGU AÐ ÞEIR SAMRÆMIST REGLUGERÐ 72/23-93/68 UM LÁGSPENNU MEÐ TILVÍSUN TIL TÆKNILEGRA REGLUGERÐA CEI EN60204-1 OG CEI EN 60439.

ENGLISH

1. ALL THE ELECTRICAL AND ELECTRONICS EQUIPMENT AND COMPONENTS SHALL BE -CE- MARKED AND ACCOMPANIED BY A STATEMENT OF COMPLIANCE WITH THE 89/366/EEC DIRECTIVE EMENDED BY THE 92/31/EEC DIRECTIVE (ELECTROMAGNETIC COMPATIBILITY) WITH REFERENCE TO EN 50081-2 AND EN 50082-2 STANDARDIZED TECHNICAL REGULATION AND ALL THE REGULATION IN FORCE WHEN THE PRODUCTION IS DELIVERED.
2. ALL THE ELECTRICAL AND ELECTRONICS EQUIPMENT AND COMPONENTS SHALL BE -CE- MARKED AND ACCOMPANIED BY A STATEMENT OF COMPLIANCE WITH THE 73/23-93/68 LOW TENSION DIRECTIVE WITH REFERENCE TO CEI EN 60204-1 AND CEI EN 60439 STANDARDIZED TECHNICAL REGULATIONS.



Hönnun, sjálfvirkni
og smíði

Electrical

Baldvin Njalsson GK: Processing plant

Endursk. Revision	Dags. Date	Undirsk. Signature	Lýsing á endurskoðun Description of revision
1	22.1.2021	PSH	Cable summary
0	25.9.2020	PSH	First Review

HÖNNUNARSTAÐALL
DESIGN STANDARD

CE

STÝRIVÉL
CONTROL UNIT

IDEC

HRAÐASTÝRINGAR
FREQUENCY INVERTERS

VACON20

TEGUND BÚNAÐAR
TYPE OF EQUIPMENT

Control unit for fish trawler processing plant

Hannað af
Designed by

PSH

EFTIRFARANDI TEIKNING ER EIGN KLAKA EHF. ÖLL AFRITUN OG FJÖLFÖLDUN ER ÓHEIMIL ÁN SKRIFLEGRAR SAMÞYKKTAR.

Yfirfarið af
Checked by

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CLIENT:
Nesfiskur ehf
Gerðavegi 32
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ICELAND
Vegna Baldvin Njalsson GK400



	DATE	PRJ NO:	SHEET
Edit	20.08.20	BN-27	1
Chec.			OF
DRAWING NO:			131
			A3

**Wire colour designation
(with ref. to EN 60204-1):**

400V / 230V power circuit:

- Black (Brown) = Phase
- Blue = Neutral
- Yellow/green = Ground

230V control circuit:

- Black (Brown) = Phase
- Blue = Neutral
- Yellow/green = Ground

110V AC Control circuit:

- Red = Phase
- Red = Neutral
- Yellow/green: Ground

24V AC Control circuit:

- Red = Phase
- Red = Neutral
- Yellow/green: Ground

24V DC Control circuit:

- Dark blue = +24V
- Dark blue = 0V

No voltage signal line:

- Purple

**Wire colour designation
(with ref. to EN 60204-1):**

400V / 230V power circuit:

- Black: AC and DC power circuits
- Light Blue: Neutral

Red: AC Control circuits

Blue: DC Control circuits

Orange: Control circuits from outside supply

Purple: No voltage signal line

Wire colour abbreviation:

- Blk = Black
- Brn = Brown
- Blu = Blue
- Whi = White
- Gry = Grey
- Gre = Green
- Red = Red
- Ora = Orange
- Pur = Purple
- Yel = Yellow
- Vio = Violet
- Bl/Wh = Blue and White



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Baldvin Njalsson GK: Processing plant
Reference list for Electrical diagrams

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	2
			OF
			131
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FILENAME	FILEDATE	TIME	SH	DWGDESC
000_Electrical_CoverPage	11.2.2021	09:00:05	1	Control unit for fish trawler processing plant
010_ReferenceList	10.2.2021	12:06:54	2	Reference list for Electrical diagrams
020_List of document	12.2.2021	10:47:37		List of document
102a - Equipment consumptions	10.2.2021	12:07:00	3	Control Panel S3-E
102 - Overview	10.2.2021	12:07:01	4	Electrical Overview
104_Power distribution	12.2.2021	08:39:01	5	Power circuit
105_Power Distribution to 24DC	12.2.2021	08:39:07	6	Power circuit
106_QA1_MotorControl	12.2.2021	08:39:03	7	Sorting bins area - Power circuit
107_QA1_MotorControl	12.2.2021	08:39:03	8	Sorting bins area - Power circuit
110_QA2_MotorControl	12.2.2021	08:39:04	9	Trimstation area - Power circuit
111_QA2_MotorControl	12.2.2021	08:39:04	10	Trimstation area - Power circuit
112_QA2_MotorControl	12.2.2021	08:39:05	11	Trimstation area - Power circuit
113_QA2_MotorControl	12.2.2021	08:39:05	12	Trimstation area - Power circuit
120_E-Cyl_Power_Supply	12.2.2021	08:39:05	13	DC Power Circuit
121_E-Cyl Power Circuit	12.2.2021	08:39:14	14	DC Power Circuit
122_E-Cyl power Circuit	12.2.2021	08:39:14	15	DC Power Circuit
130 24DC Power Circuit	12.2.2021	08:39:07	16	DC Power Circuit
131 24DC Power Circuit	12.2.2021	08:39:13	17	DC Power Circuit
132 24DC Power Circuit	12.2.2021	08:39:15	18	DC Power Circuit
133 24DC Emergency Stop Circuit	12.2.2021	08:38:59	19	DC Power Circuit
134 24DC Encluser accessories and HMI	12.2.2021	08:39:01	20	DC Power Circuit
140_PLC input	12.2.2021	08:39:05	21	PLC connection
141_PLC output	11.2.2021	17:33:19	22	PLC connection
142_PLC input	12.2.2021	08:39:07	23	PLC connection
143_PLC input	12.2.2021	08:39:08	24	PLC connection
144_PLC input	12.2.2021	08:39:08	25	PLC connection
145_PLC input	12.2.2021	08:39:09	26	PLC connection
146_PLC input	12.2.2021	07:49:22	27	PLC connection
147_PLC input	12.2.2021	08:39:11	28	PLC connection
150_PLC output	12.2.2021	08:39:12	29	PLC connection
151_PLC output	12.2.2021	09:43:21	30	PLC connection
152_PLC output	12.2.2021	08:39:12	31	PLC connection
153_PLC output	12.2.2021	08:39:12	32	PLC connection
154_PLC com	12.2.2021	08:39:13	33	PLC connection
155_PLC output	12.2.2021	08:39:13	34	PLC connection
156_PLC output	12.2.2021	08:39:13	35	PLC connection
157_PLC output	12.2.2021	08:39:13	36	PLC connection
158_PLC output	12.2.2021	08:39:14	37	PLC connection
160_PLC analog out	12.2.2021	08:39:14	38	PLC connection
161_PLC analog out	12.2.2021	08:39:14	39	PLC connection
162_PLC analog out	12.2.2021	08:39:15	40	PLC connection
163_PLC analog out	12.2.2021	08:39:15	41	PLC connection
164_PLC analog out	12.2.2021	08:39:15	42	PLC connection
170 S1-E	12.2.2021	08:39:08	43	Control Panel S1-E
171 S2-E Power circuit	12.2.2021	08:39:15	44	Control Panel S2-E
172 S2-E_PLC input	10.2.2021	12:07:35	45	Control Panel S2-E
173 S2-E_PLC input	10.2.2021	12:07:36	46	Control Panel S2-E
174 S2-E_PLC input	10.2.2021	12:07:36	47	Control Panel S2-E
175 S2-E_PLC input	10.2.2021	12:07:36	48	Control Panel S2-E
176 S2-E_PLC input	10.2.2021	12:07:37	49	Control Panel S2-E



Baldvin Njalsson GK: Processing plant
List of document

FILENAME: 015_List of document.dwg

LOCATION:

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
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0	First Review	25.9.2020	PSH				131
				DRAWING NO: R-5062104			
				Drawing Type: Electrical			A3

FILENAME	FILEDATE	TIME	SH	DWGDESC
177 S2-E_PLC input	10.2.2021	12:07:37	50	Control Panel S2-E
178 S2-E_PLC output	10.2.2021	12:07:38	51	Control Panel S2-E
179 S2-E_PLC output	10.2.2021	12:07:39	52	PLC connection
180 S2-E_PLC output	10.2.2021	12:07:39	53	PLC connection
181 S2-E_PLC output	10.2.2021	12:07:40	54	PLC connection
182 S2-E_PLC output	10.2.2021	12:07:40	55	PLC connection
183 S2-E_PLC output	10.2.2021	12:07:41	56	PLC connection
184 S2-E_PLC output	10.2.2021	12:07:41	57	PLC connection
185 S2-E_PLC output	10.2.2021	12:07:42	58	PLC connection
190 S3-E Power circuit	12.2.2021	08:39:15	59	Control Panel S3-E
191 S3-E_PLC input	10.2.2021	12:07:43	60	Control Panel S3-E
192 S3-E_PLC input	10.2.2021	12:07:44	61	Control Panel S3-E
193 S3-E_PLC input	10.2.2021	12:07:44	62	Control Panel S3-E
194 S3-E_PLC input	10.2.2021	12:07:45	63	Control Panel S3-E
195 S3-E_PLC input	10.2.2021	12:07:45	64	Control Panel S3-E
196 S3-E_PLC input	10.2.2021	12:07:46	65	Control Panel S3-E
197 S3-E_PLC output	10.2.2021	12:07:46	66	Control Panel S3-E
198 S3-E_PLC output	10.2.2021	12:07:47	67	Control Panel S3-E
199 S3-E_PLC output	10.2.2021	12:07:48	68	Control Panel S3-E
200 S3-E_PLC output	10.2.2021	12:07:48	69	Control Panel S3-E
201 S3-E_PLC output	10.2.2021	12:07:49	70	Control Panel S3-E
202 S3-E_PLC output	10.2.2021	12:07:49	71	Control Panel S3-E
203 S3-E_PLC output	10.2.2021	12:07:50	72	Control Panel S3-E
204 S3-E_PLC output	10.2.2021	12:07:51	73	Control Panel S3-E
209 S5-E	12.2.2021	08:39:08	74	Control Panel S5-E
210 PJB Power circuit	12.2.2021	08:38:59	75	Peaumatic Junction box
211 PJB_PLC output	10.2.2021	12:07:53	76	Peaumatic Junction box
212 PJB_PLC output	10.2.2021	12:07:53	77	Peaumatic Junction box
213 PJB_PLC output	10.2.2021	12:07:54	78	Peaumatic Junction box
214 PJB_PLC output	10.2.2021	12:07:54	79	Peaumatic Junction box
215 PJB_PLC output	10.2.2021	12:07:55	80	Peaumatic Junction box
216 PJB_PLC output	10.2.2021	12:07:56	81	Peaumatic Junction box
217 PJB_PLC output	10.2.2021	12:07:56	82	Peaumatic Junction box
218 PJB_PLC output	10.2.2021	12:07:57	83	Peaumatic Junction box
219 PJB_PLC output	10.2.2021	12:07:58	84	Peaumatic Junction box
220 PJB_PLC output	10.2.2021	12:07:58	85	Peaumatic Junction box
100 SM Panel layout	12.2.2021	10:02:23	86	Control Panel SM
101 SM Panel Detail layout	12.2.2021	10:00:08		Control Panel SM
102 SM Panel Detail layout 2	12.2.2021	10:37:40		Control Panel SM
110 SM Panel BOM	12.2.2021	10:45:22	87	Control Panel SM
111 SM Panel BOM	12.2.2021	10:45:17		Control Panel SM
112 SM Panel BOM	12.2.2021	10:45:19		Control Panel SM
800 S8-E panel	12.2.2021	08:38:59	88	
020 Cable List report	10.2.2021	12:08:11	89	Report
040 PLC IO list	10.2.2021	12:08:12	90	



Baldvin Njalsson GK: Processing plant
List of document

<table border="1"> <tr> <td>1</td> <td>Cable summary</td> <td>22.1.2021</td> <td>PSH</td> </tr> <tr> <td>0</td> <td>First Review</td> <td>25.9.2020</td> <td>PSH</td> </tr> </table>	1	Cable summary	22.1.2021	PSH	0	First Review	25.9.2020	PSH	<table border="1"> <tr> <td>REV</td> <td>Comments</td> <td>Date</td> <td>By</td> </tr> </table>	REV	Comments	Date	By	<table border="1"> <tr> <td>DATE</td> <td>NAME</td> <td>PRJ NO:</td> <td>SHEET</td> </tr> <tr> <td>20.08.20</td> <td>PSH</td> <td>BN-27</td> <td>4</td> </tr> </table>	DATE	NAME	PRJ NO:	SHEET	20.08.20	PSH	BN-27	4
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DRAWING NO: R-5062105		OF	131																			
Drawing Type: Electrical		A3																				



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Baldvin Njalsson GK: Processing plant

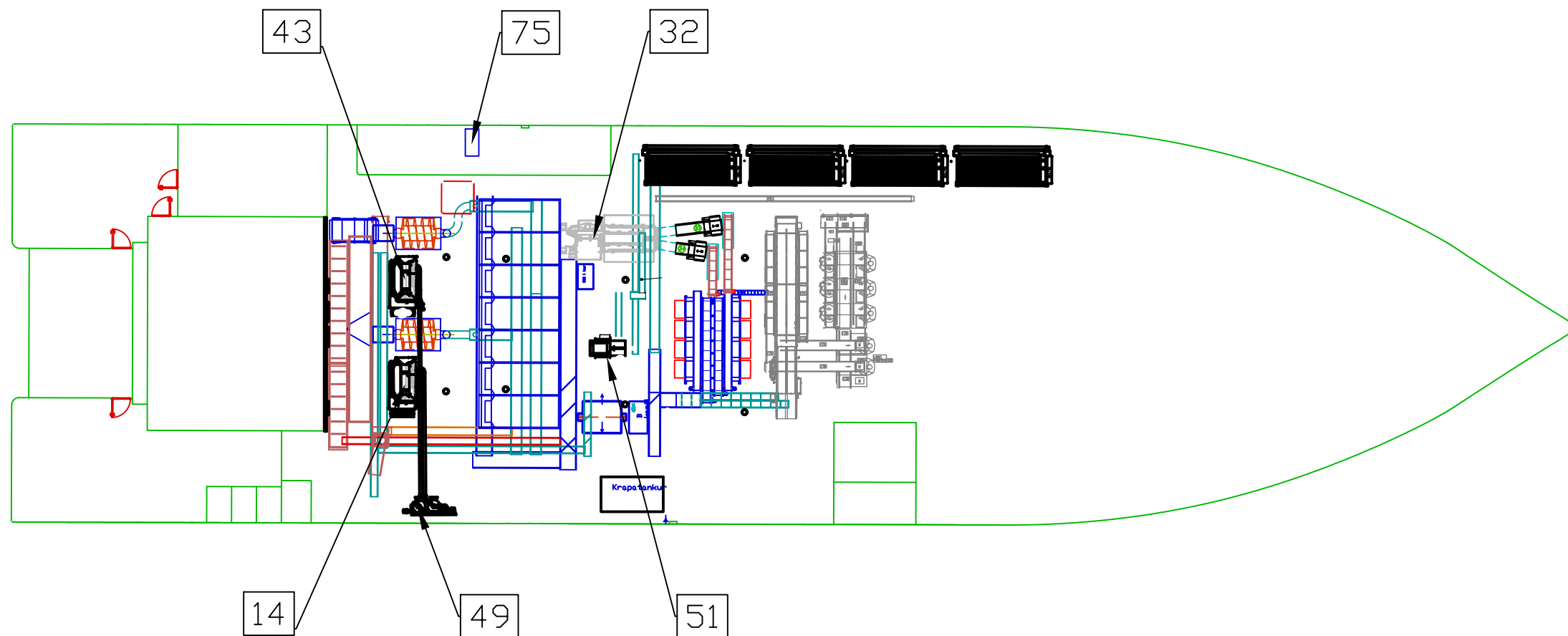
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0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	5
DRAWING NO: R-5062113			OF
			131
Drawing Type: Electrical			A3

FILENAME: 017_List of document.dwg

LOCATION:

INSTALLATION:



Item nr.	Electrical reference	Component description	Manufacturer	Voltage	Freq.	Amper	Power	Comment
14		SB Heading Machine	Curio	440 V	60 Hz	7 A	3,2 kW	C-4020 Marine Heading machine
32		Filleting Machine	Curio	440 V	60 Hz	16 A	7,5 kW	Fillet Machine w. Skinning machine
43		BB Heading Machine	Curio	440 V	60 Hz	7 A	3,2 kW	C-4020 Marine Heading machine
49		Suction unit	Curio	440 V	60 Hz	36 A	18 kW	Vacuum suction unit for heading machines
51		Frame cutter	3x Technology	440 V	60 Hz	1.2 A	0,75 kW	10 FFC02 frame cutter
75	SM	Main control	Klaki	440 V	60 Hz	55 A	38 kW	Main control cabin for Klaki's equipment



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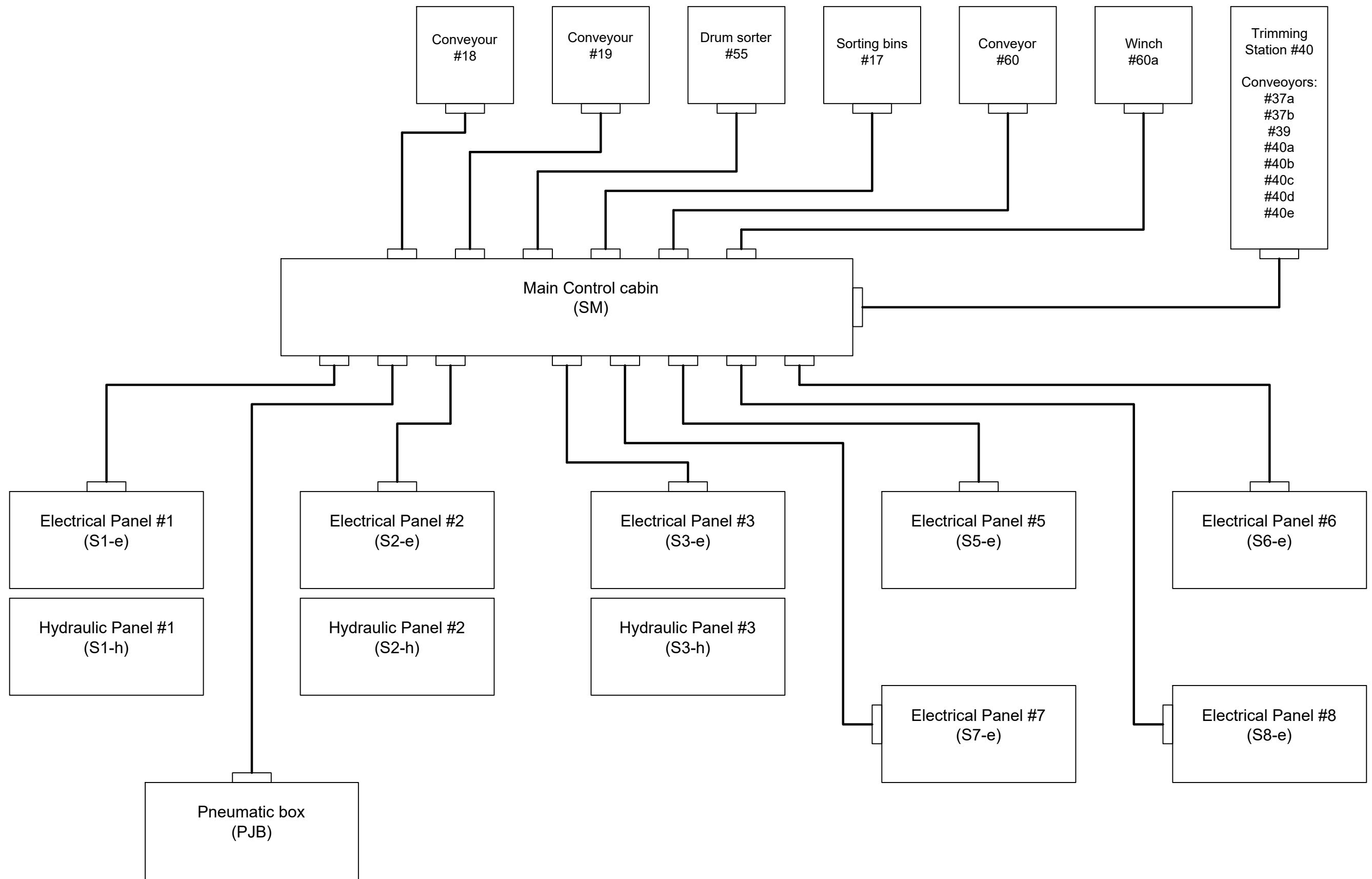
Baldvin Njalsson GK: Processing plant

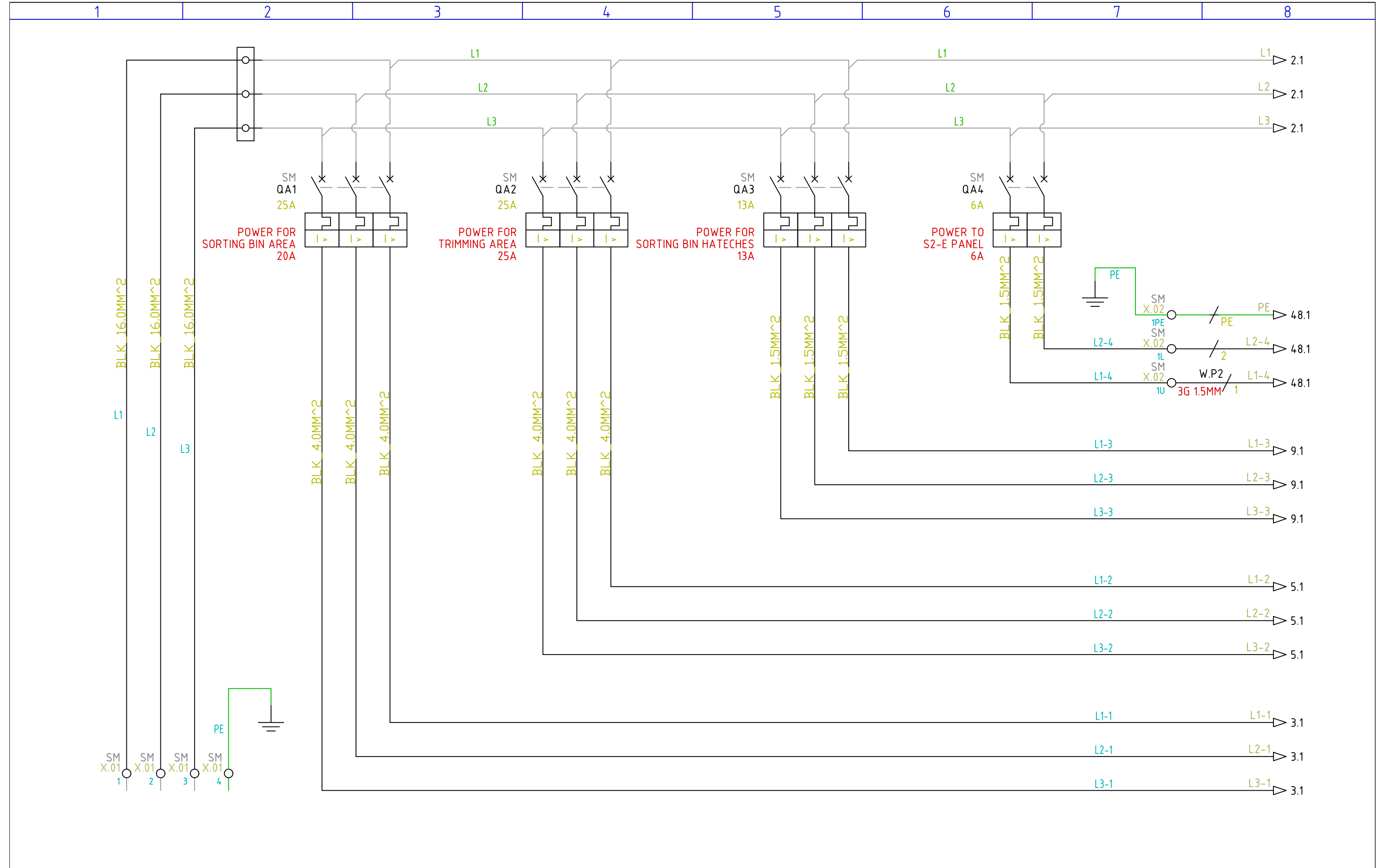
Electrical Overview
Electrical consumption points
Processing deck

REV	Comments	Date	By	Drawing Type:	Electrical
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DATE	NAME	PRJ NO:	SHEET
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DRAWING NO: OF 140





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Baldvin Njalsson GK: Processing plant

Power circuit
3 phase distribution
460V 60Hz

DATE	NAME	PRJ NO:	SHEET
Edit 20.08.20	PSH	BN-27	8
Chec.			OF
DRAWING NO: R-2382001		131	
Drawing Type: Electrical			A3

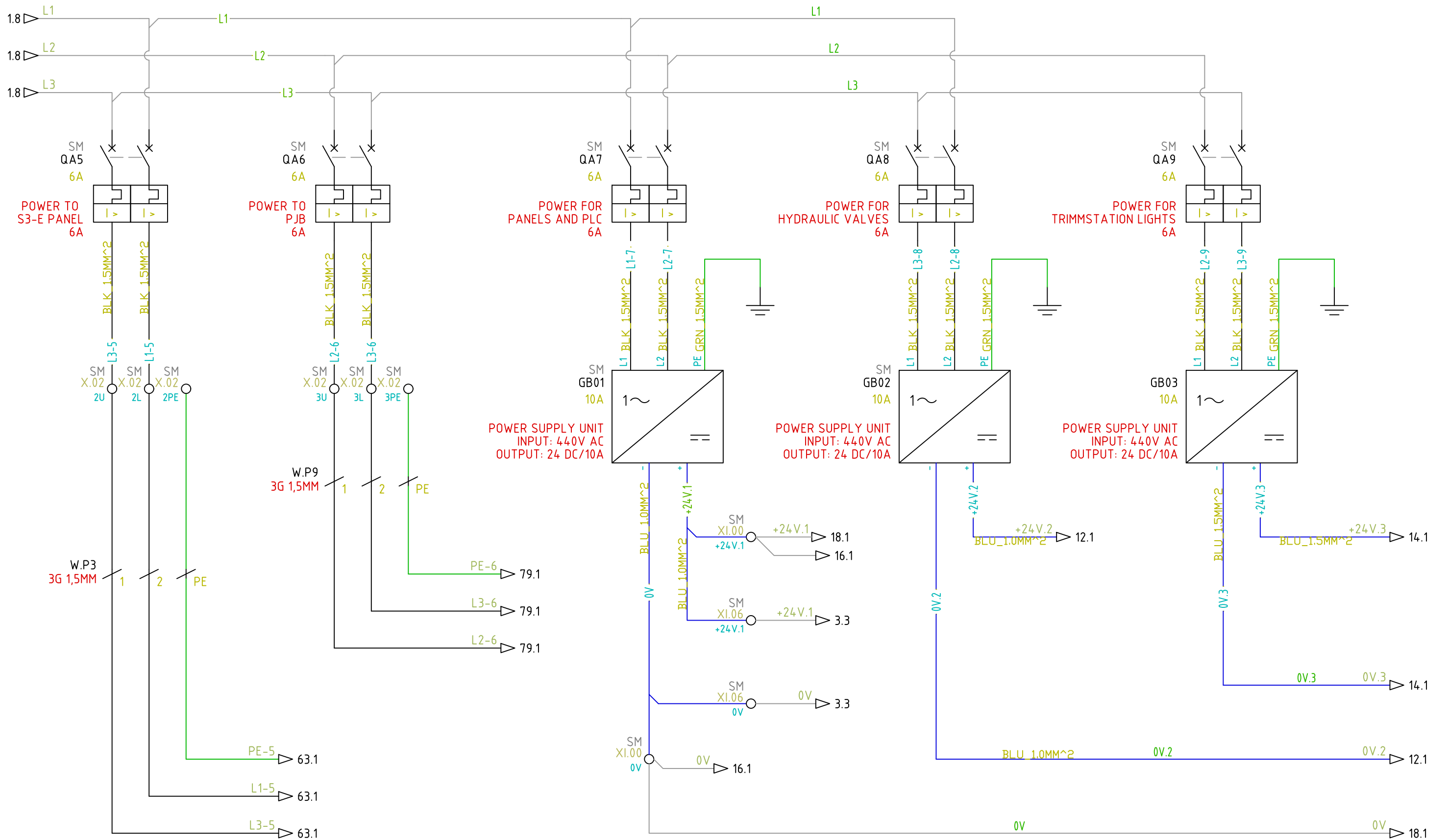
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LOCATION: INSTALLATION:

REV Comments Date By

Drawing Type: Electrical

A3



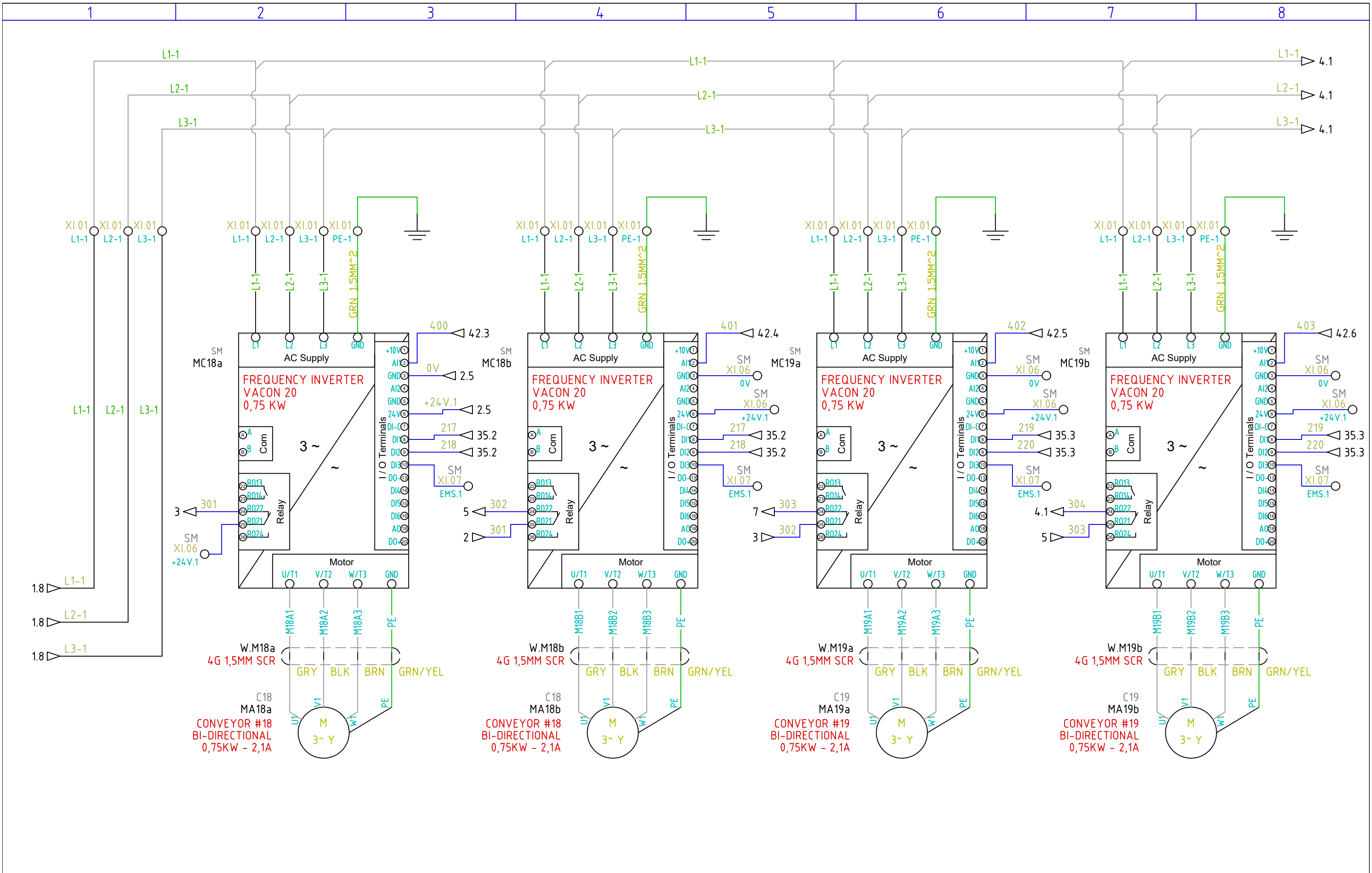
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Baldvin Njalsson GK: Processing plant

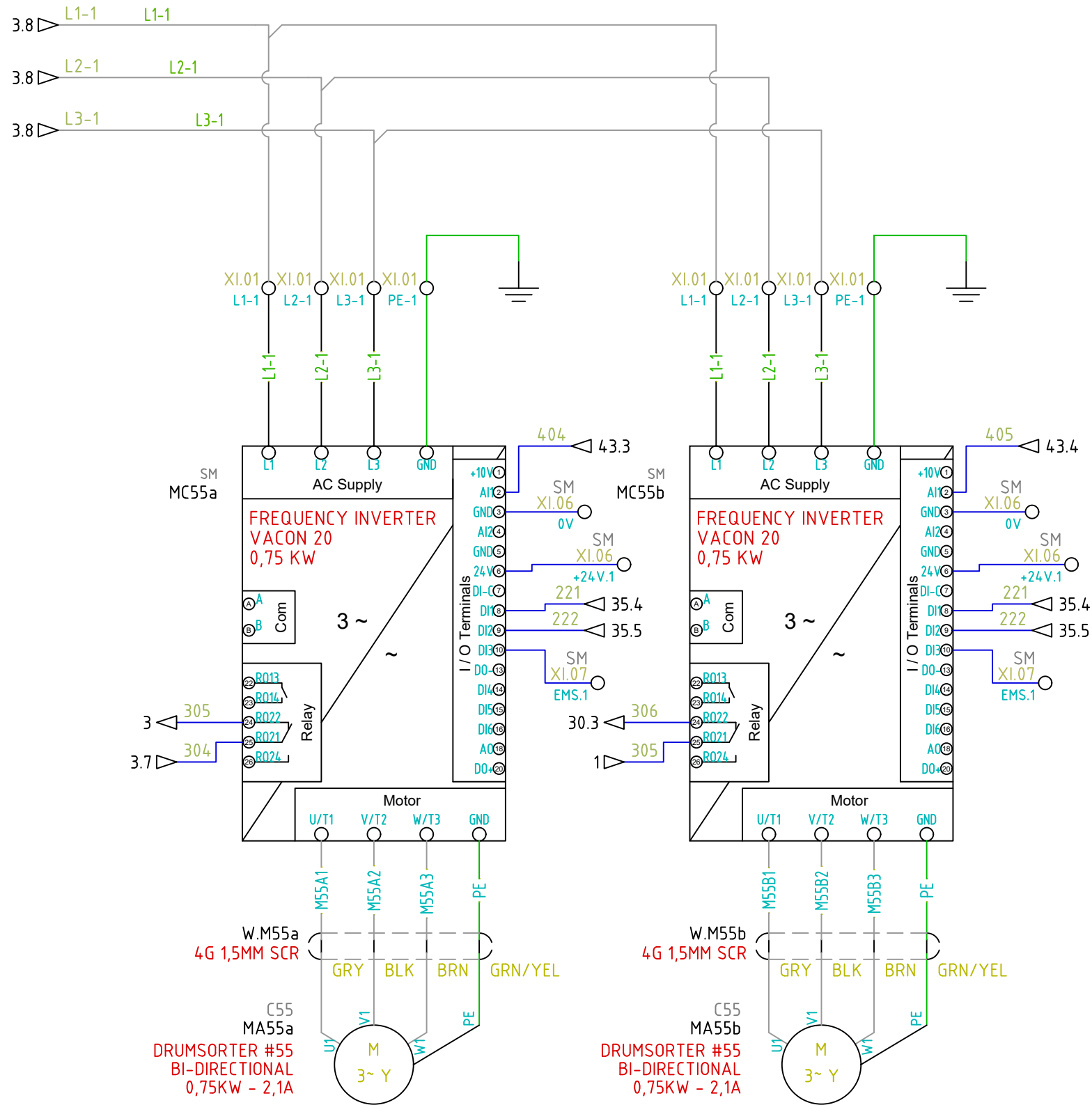
Power circuit
3 phase and 24V distribution
460V 60Hz → 24V DC

REV	Comments	Date	By	Drawing Type:	Electrical
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0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	9
DRAWING NO: R-2422002			OF 131
			A3



	Klaki Tech Hafnarbraut 25 200 Kopavogur ICELAND +354 554-0000 klaki@klaki.is www.klaki.is	Baldvin Njalsson GK: Processing plant				DATE Edit 20.08.20	NAME PSH	PRJ NO: BN-27	SHEET 10
		Sorting bins area – Power circuit Conveyor motors 460V 60Hz				Chec.	DRAWING NO: R-4412001		OF 131
FILENAME: 106_QA1_MotorControl.dwg	LOCATION: SM	INSTALLATION:	REV 1 Cable summary 22.1.2021 PSH 0 First Review 25.9.2020 PSH	Comments	Date	By	Drawing Type: Electrical	A3	



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Baldvin Njalsson GK: Processing plant

Sorting bins area – Power circuit

Conveyor motors
460V 60Hz

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
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			131
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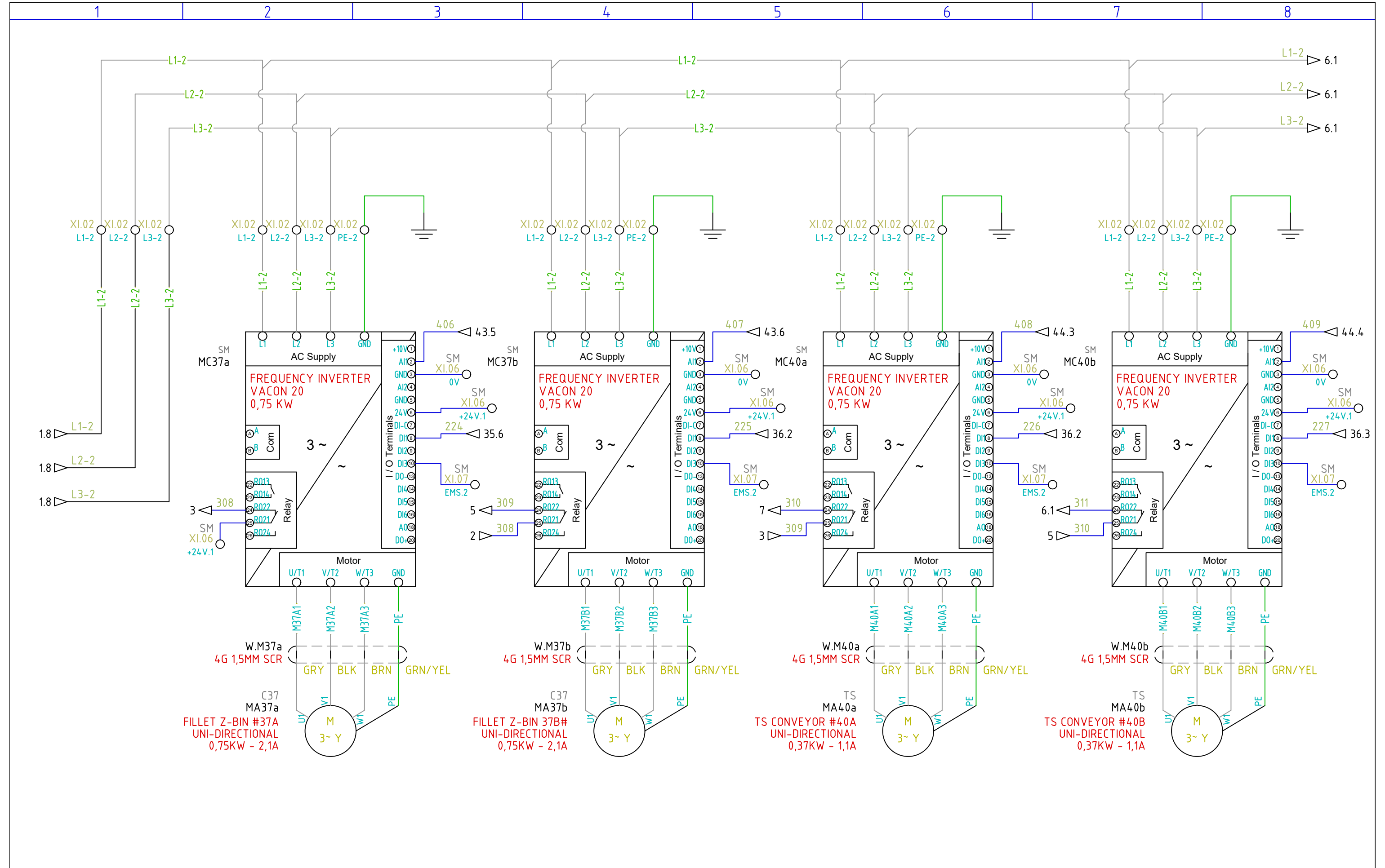
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FILENAME: 107_QA1_MotorControl.dwg

LOCATION:

INSTALLATION:

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Baldvin Njalsson GK: Processing plant
Trimstation area – Power circuit
Conveyor motors
460V 60Hz

REV	Comments	Date	By	Drawing Type:	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	PSH	Electrical	20.08.20	PSH	BN-27	12
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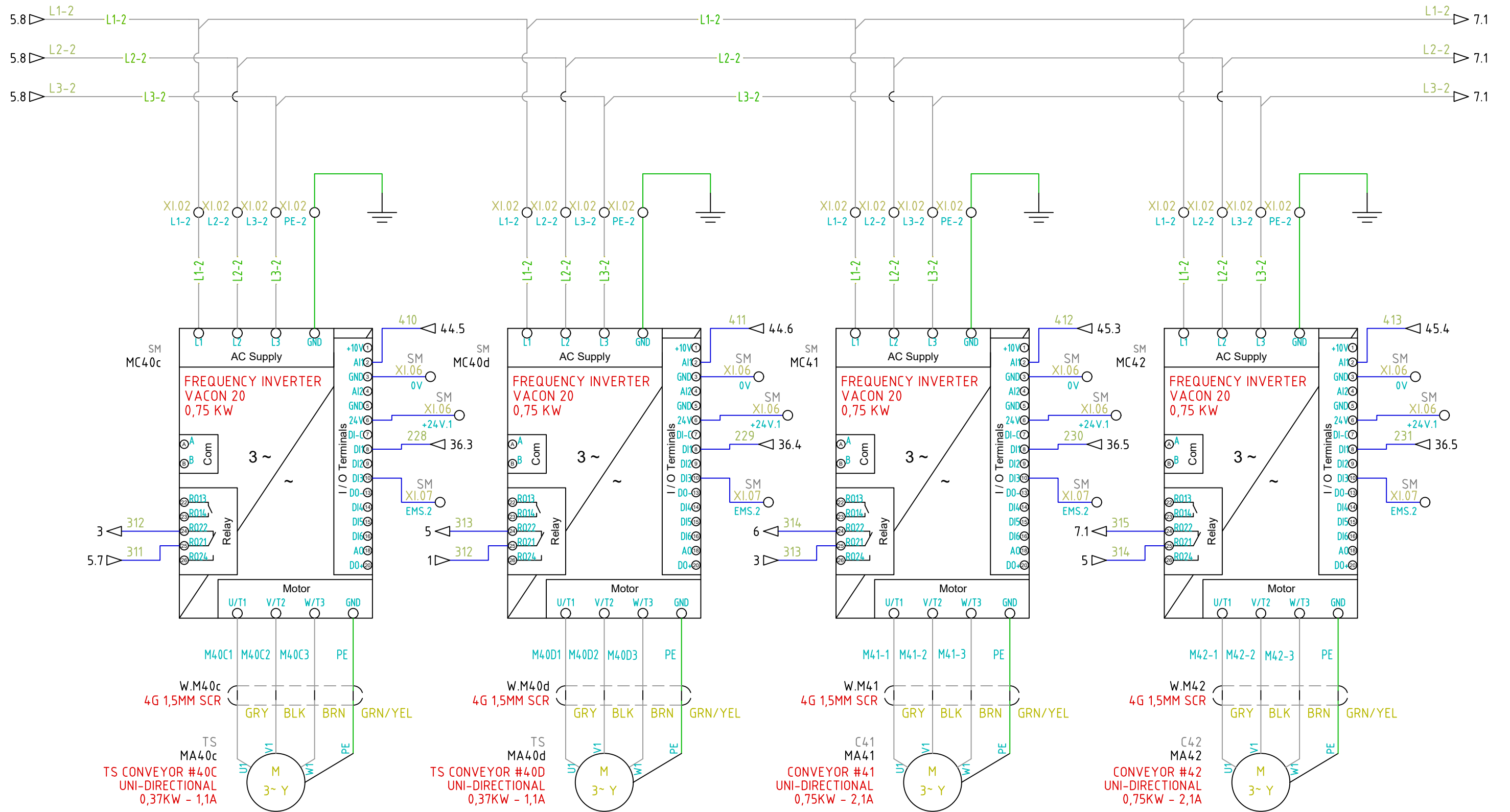
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LOCATION: SM

INSTALLATION:

Drawing Type: Electrical

1 2 3 4 5 6 7 8



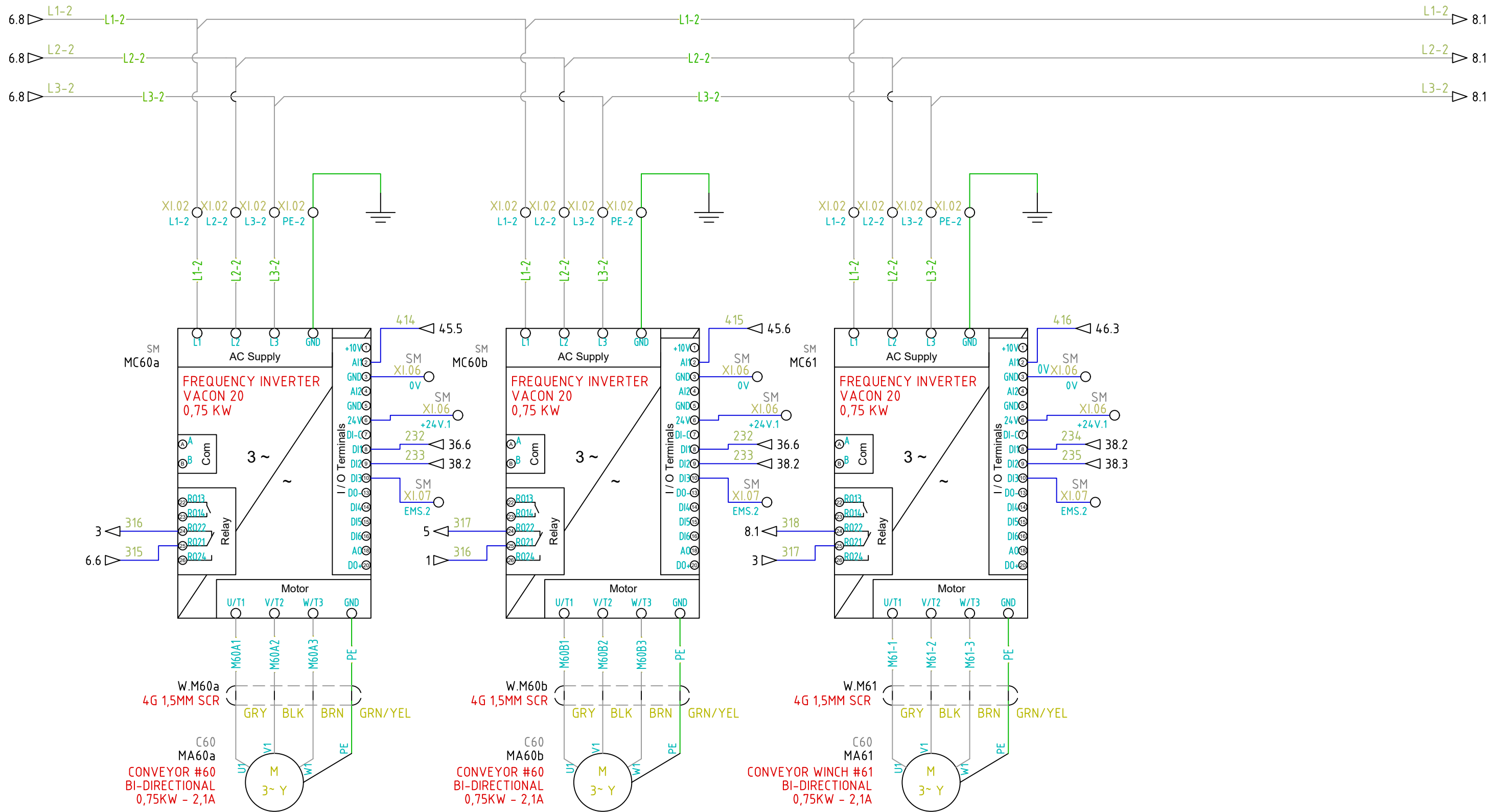
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Baldvin Njalsson GK: Processing plant
Trimstation area – Power circuit
Conveyor motors
460V 60Hz

REV	Comments	Date	By	Drawing Type:	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	PSH	Electrical	20.08.20	PSH	BN-27	13
0	First Review	25.9.2020	PSH					OF
					DRAWING NO: R-5412002		A3	

FILENAME: 111_QA2_MotorControl.dwg

LOCATION: INSTALLATION:



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Baldvin Njalsson GK: Processing plant
 Trimstation area – Power circuit
 Conveyor motors
 460V 60Hz

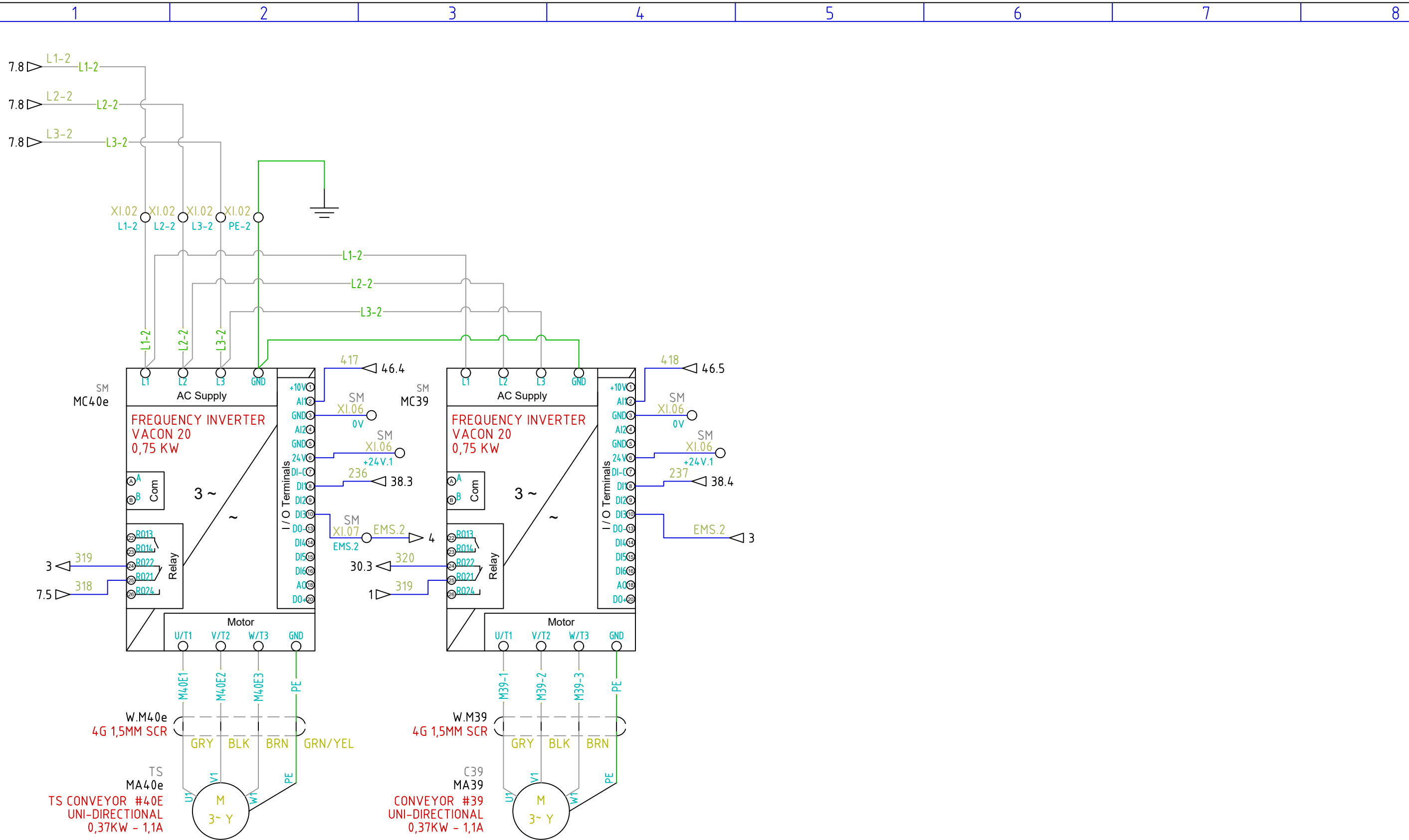
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0	First Review	25.9.2020	PSH		

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20.08.20	PSH	BN-27	14
DRAWING NO:			OF
R-5412003			131
			A3

FILENAME: 112_QA2_MotorControl.dwg

LOCATION:

INSTALLATION:



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Baldvin Njalsson GK: Processing plant
Trimstation area – Power circuit
Conveyor motors
460V 60Hz

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

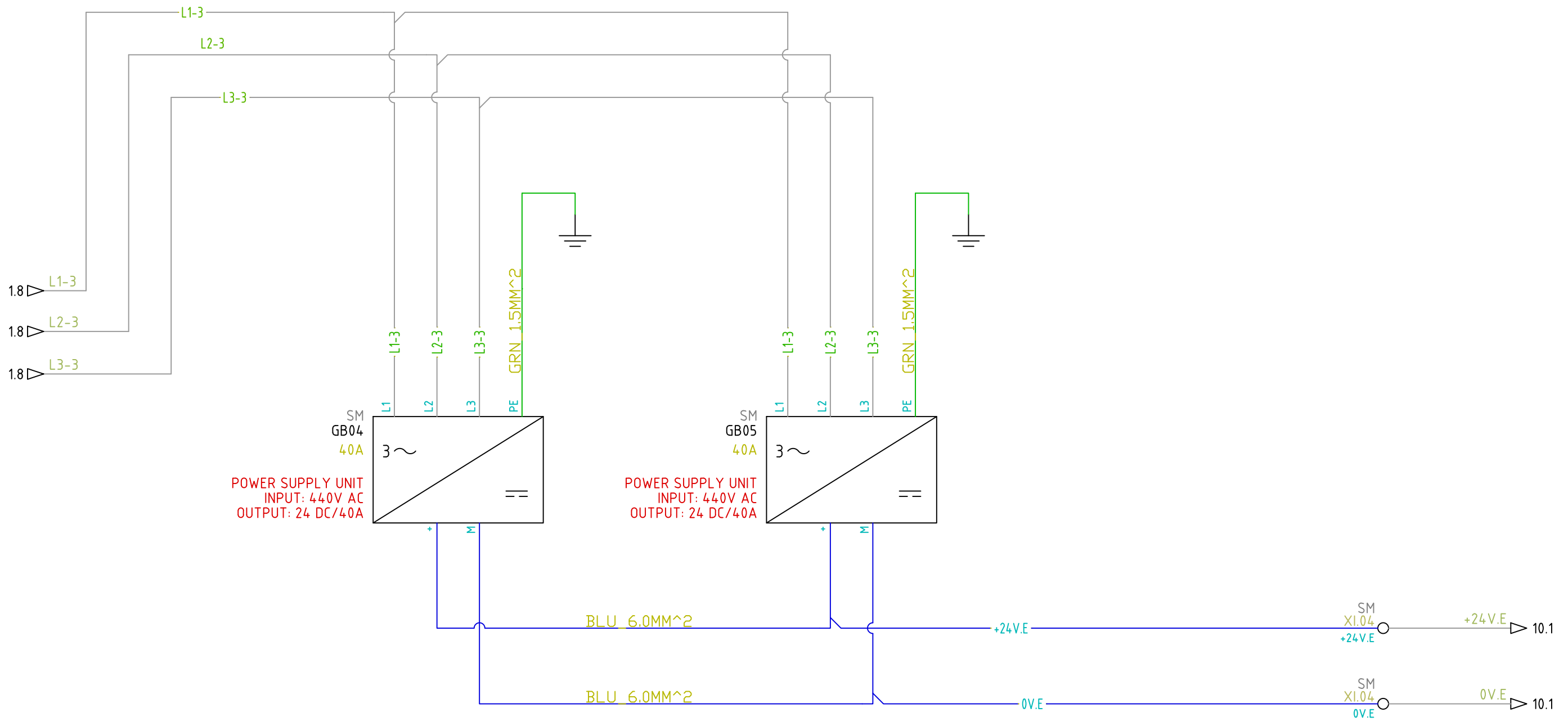
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20.08.20	PSH	BN-27	15
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FILENAME: 113_QA2_MotorControl.dwg

LOCATION: INSTALLATION:

DRAWING NO: R-5412004

Drawing Type: Electrical



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Baldvin Njalsson GK: Processing plant

DC Power Circuit
Sorting bins hatches
460V 60Hz → 24V DC

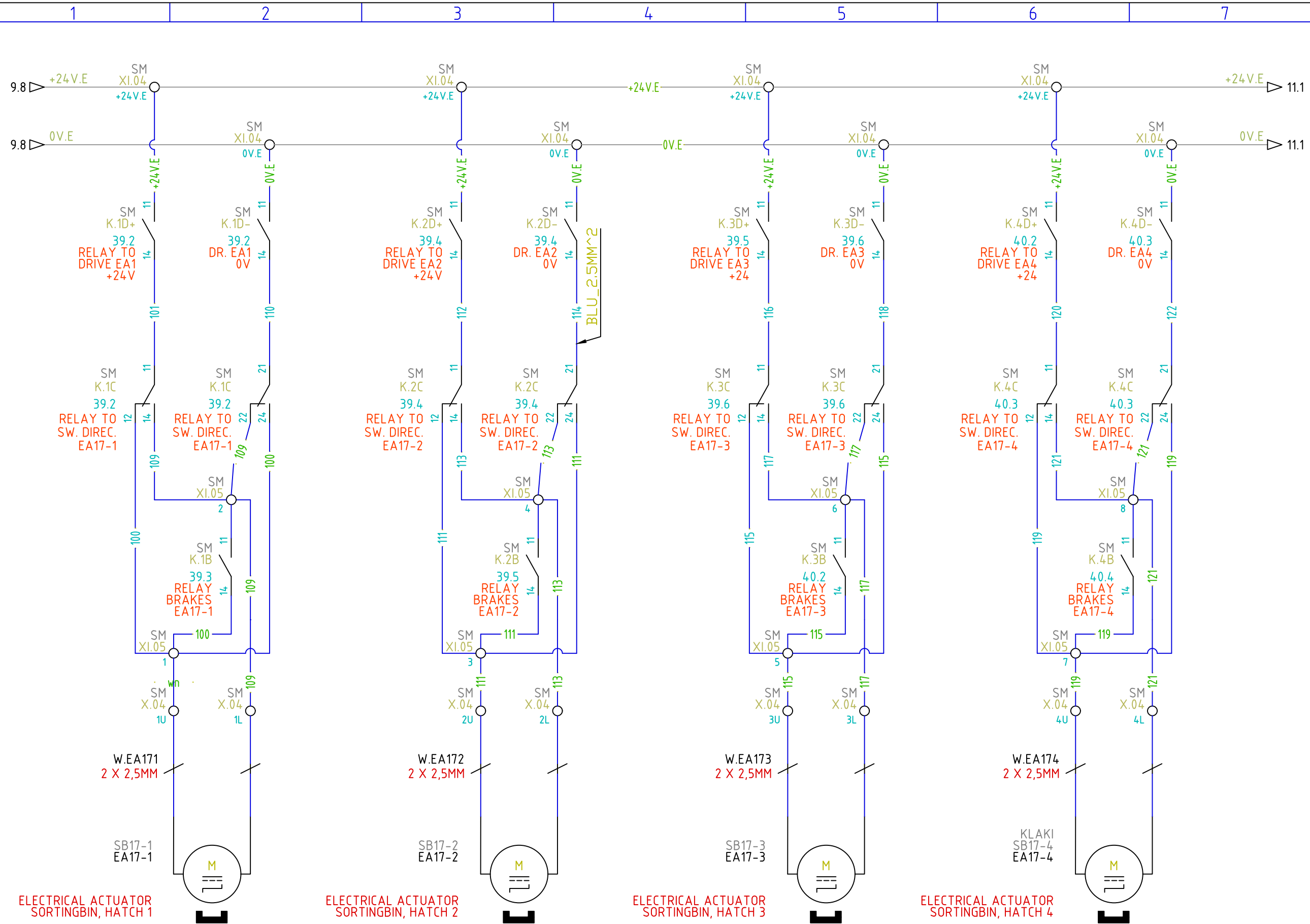
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	16
DRAWING NO:			OF
R-2422001			131
			A3

FILENAME: 120_E-Cyl_Power_Supply.dwg

LOCATION:

INSTALLATION:



ELECTRICAL ACTUATOR SORTINGBIN, HATCH 1

ELECTRICAL ACTUATOR SORTINGBIN, HATCH 2

ELECTRICAL ACTUATOR SORTINGBIN, HATCH 3

ELECTRICAL ACTUATOR SORTINGBIN, HATCH 4



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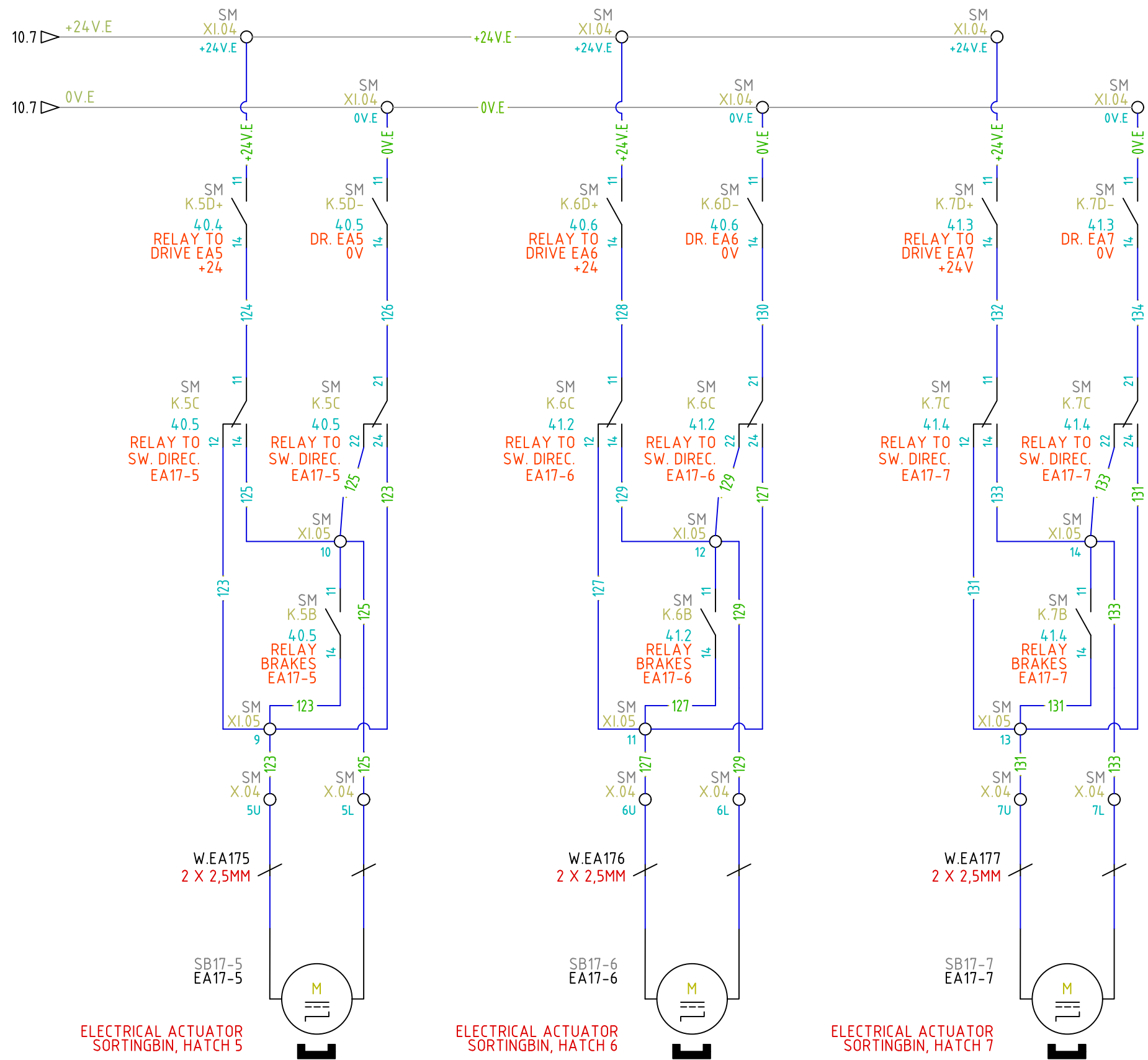
Baldvin Njalsson GK: Processing plant
DC Power Circuit
Sorting bins hatches
24V DC

					DATE	NAME	PRJ NO:	SHEET
					Edit	PSH	BN-27	17
					Chec.			OF
					DRAWING NO:			131
					R-4452001			
1	Cable summary	22.1.2021	IPSH		Drawing Type: Electrical			A3
0	First Review	25.9.2020	PSH					

FILENAME: 121_E-Cyl Power Circuit.dwg

LOCATION: SM

INSTALLATION:



ELECTRICAL ACTUATOR SORTINGBIN, HATCH 5

ELECTRICAL ACTUATOR SORTINGBIN, HATCH 6

ELECTRICAL ACTUATOR SORTINGBIN, HATCH 7

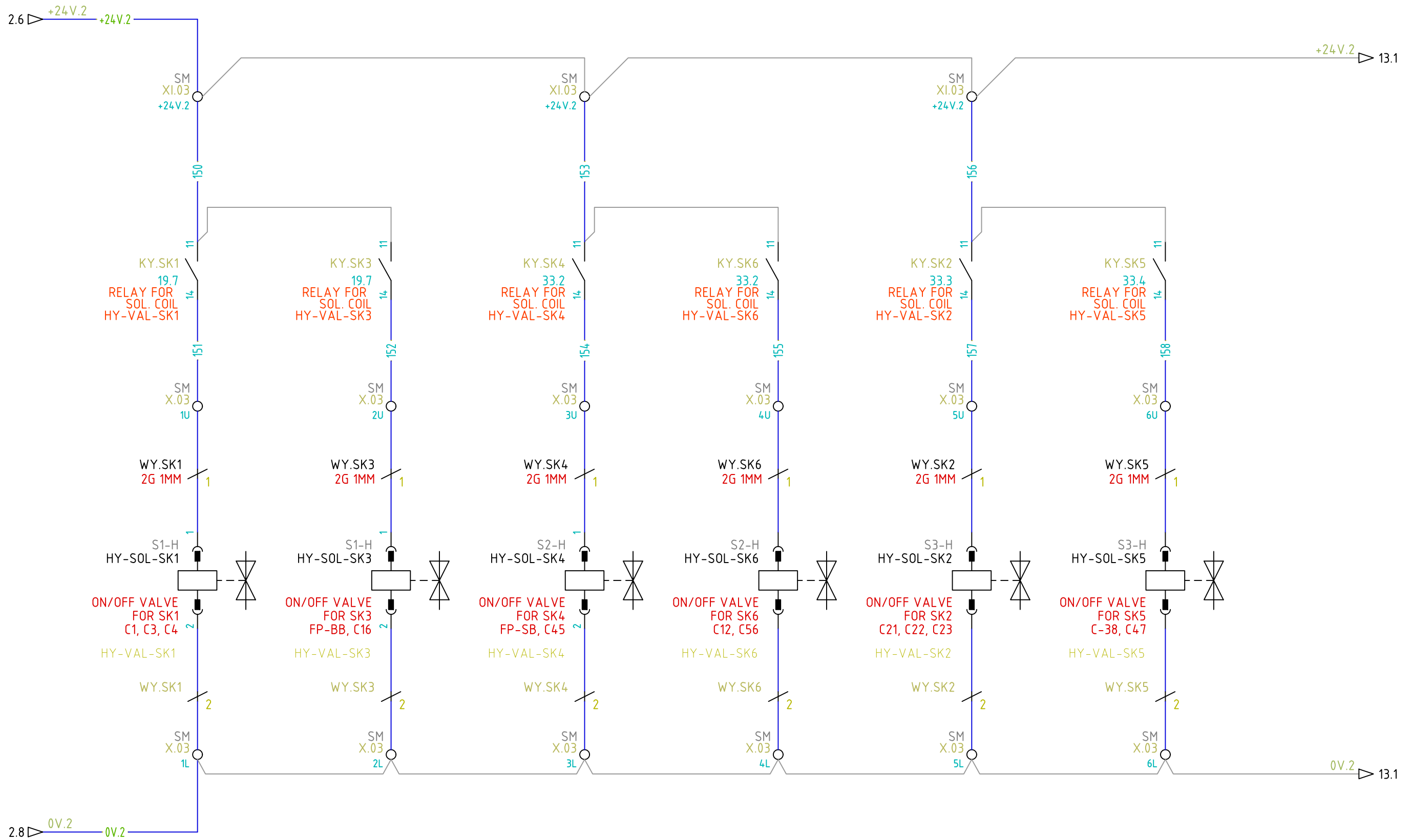


Baldvin Njalsson GK: Processing plant

DC Power Circuit
Sorting bins hatches
24V DC

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	18
			OF
			131
			A3



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Baldvin Njalsson GK: Processing plant
DC Power Circuit
Hydraulic valves
24V DC

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	19
DRAWING NO:			OF
R-4432001			131
			A3

FILENAME: 130_24DC_Power_Circuit.dwg

LOCATION: SM

INSTALLATION:

Drawing Type: Electrical

12.8 ▷ +24V.2

SM XI.03 +24V.2

BLU_1.0MM^2

159

KY.50
33.4
RELAY FOR SOL. COIL
HY-VAL-50

SM X.03 7U

WY.50
2G 1MM

S4-H
HY-SOL-50

ON/OFF VALVE FOR C50

HY-VAL50

WY.50

SM X.03 7L

12.8 ▷ 0V.2

0V.2

KY.24
33.5
RELAY FOR SOL. COIL
HY-VAL-24

SM X.03 8U

WY.24
2G 1MM

S5-H
HY-SOL-24

ON/OFF VALVE FOR C24

HY-VAL24

WY.24

SM X.03 8L

KY.27
33.5
RELAY FOR SOL. COIL
HY-VAL-27

SM X.03 9U

WY.27
2G 1MM

S5-H
HY-SOL27

ON/OFF VALVE FOR C27

HY-VAL27

WY.27

SM X.03 9L

KY.26a
33.6
RELAY FOR SOL. COIL
HY-VAL-26A

SM X.03 10U

WY.26a
2G 1MM

S5-H
HY-SOL26a

5/2 VALVE FOR UP DIRECTION BIN26

HY-VAL26

WY.26a

SM X.03 10L

KY.26b
34.2
RELAY FOR SOL. COIL
HY-VAL-26B

SM X.03 11U

WY.26b
2G 1MM

S5-H
HY-SOL26B

5/2 VALVE DOWN DIRCETION BIN26

HY-VAL26

WY.26b

SM X.03 11L



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Baldvin Njalsson GK: Processing plant

DC Power Circuit
Hydraulic valves
24V DC

DATE

NAME

PRJ NO:

SHEET

Edit 20.08.20

PSH

BN-27

20

Chec.

DRAWING NO:

R-3452001

OF

131

FILENAME: 131_24DC Power Circuit.dwg

LOCATION: SM

INSTALLATION:

REV

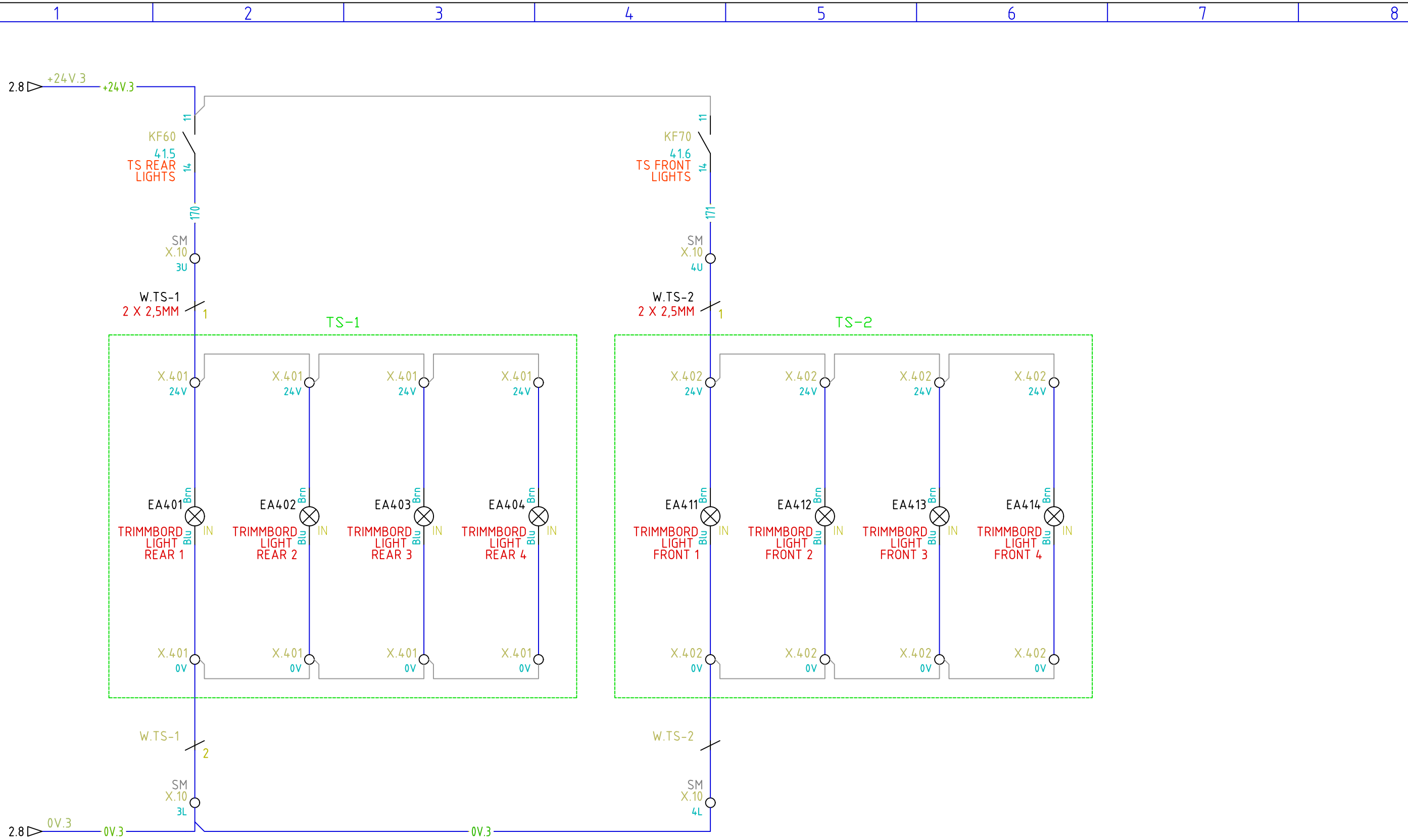
Comments

Date

By

Drawing Type: Electrical

A3



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Baldvin Njalsson GK: Processing plant
 DC Power Circuit
 Trimmstation underbord lights
 24V DC

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

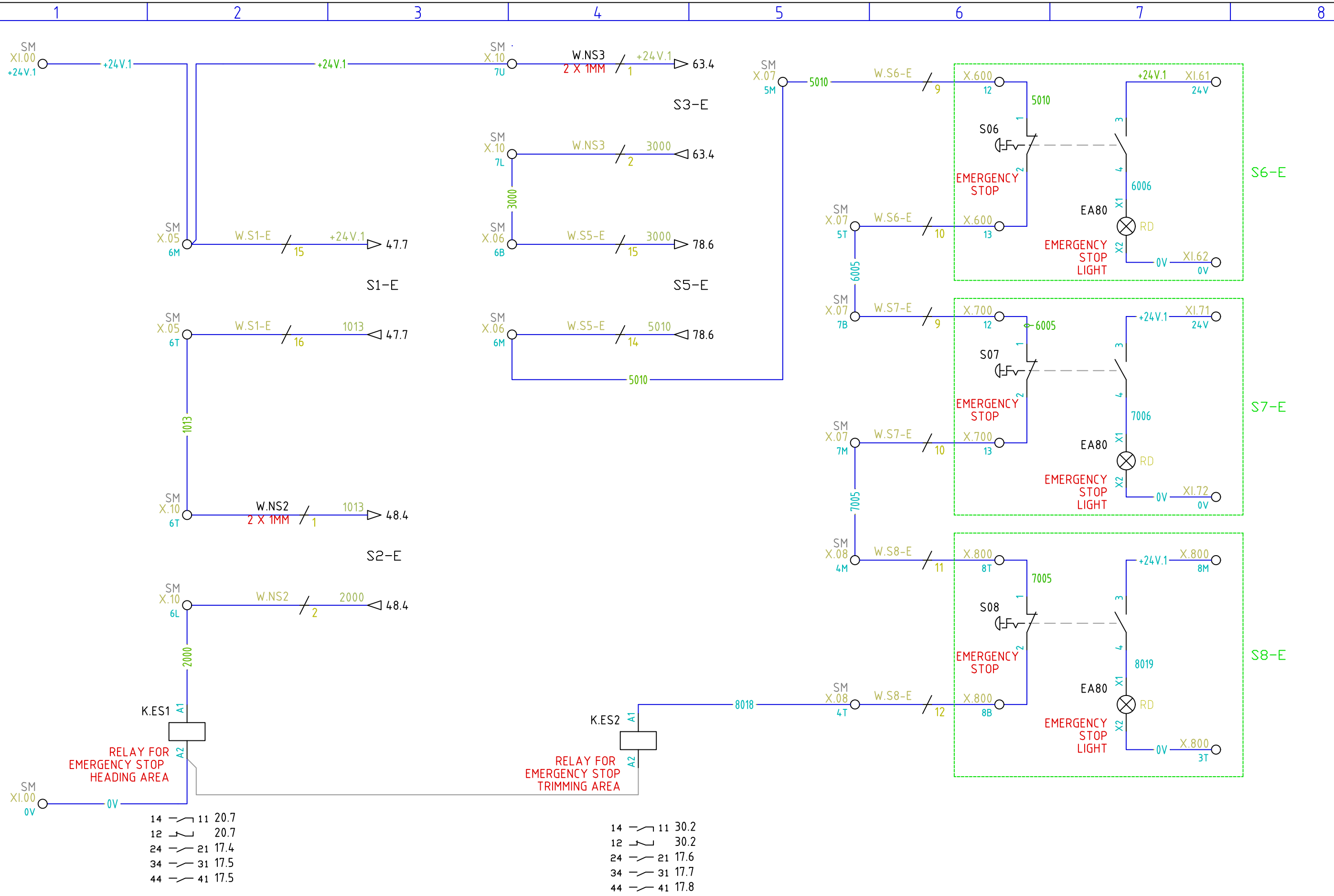
DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	21
DRAWING NO: R-3452001			OF 131
			A3

FILENAME: 132_24DC_Power_Circuit.dwg

LOCATION: SM

INSTALLATION:

Drawing Type: Electrical



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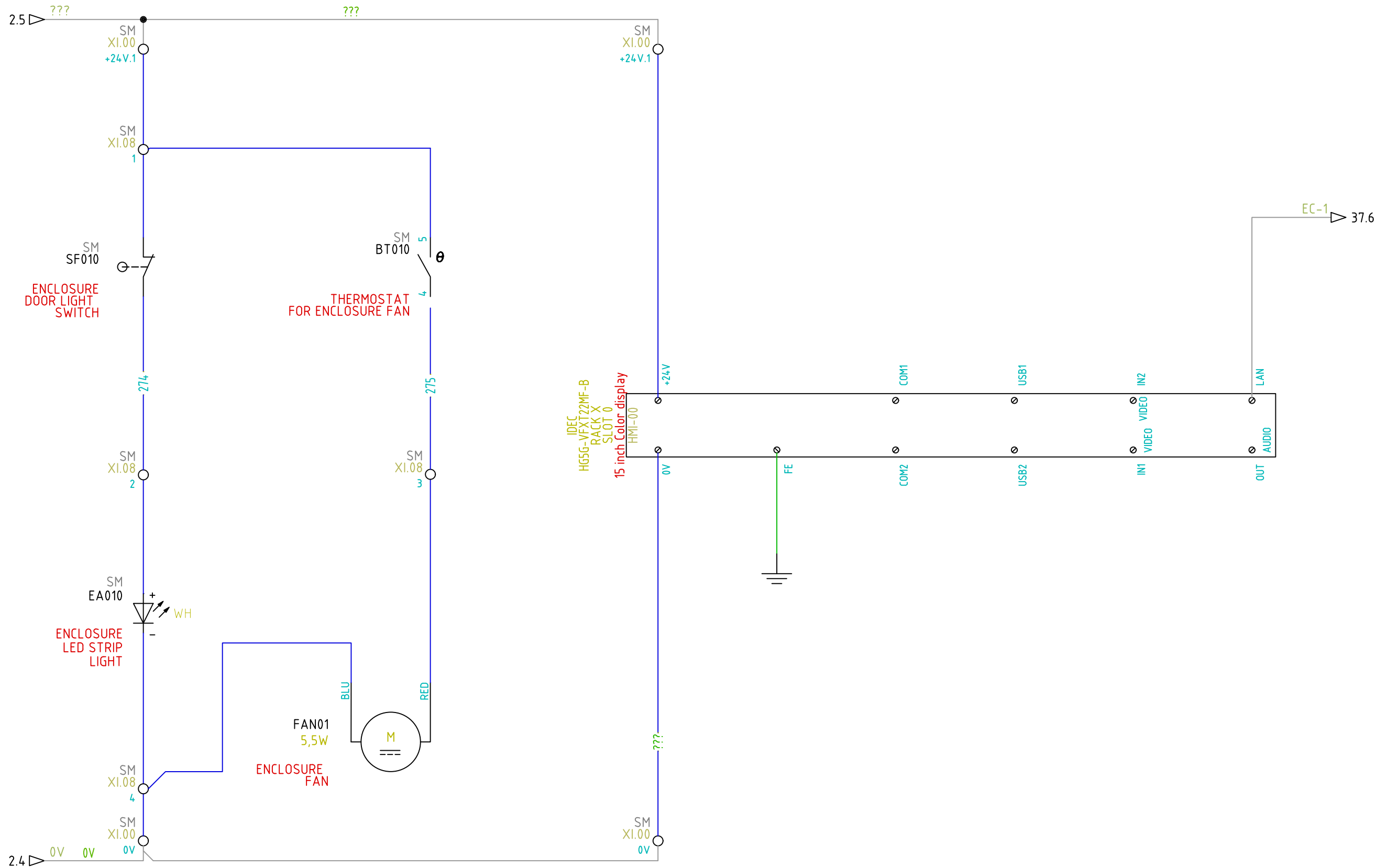
Baldvin Njalsson GK: Processing plant
DC Power Circuit
Emergency stop circuit
24V DC

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	22
Edit			OF
Chec.			131
DRAWING NO:			A3
R-5032101			
REV	Comments	Date	By
1	Cable summary	22.1.2021	PSH
0	First Review	25.9.2020	PSH
Drawing Type: Electrical			

FILENAME: 133 24DC Emergency Stop Circuit.dwg

LOCATION: SM

INSTALLATION:

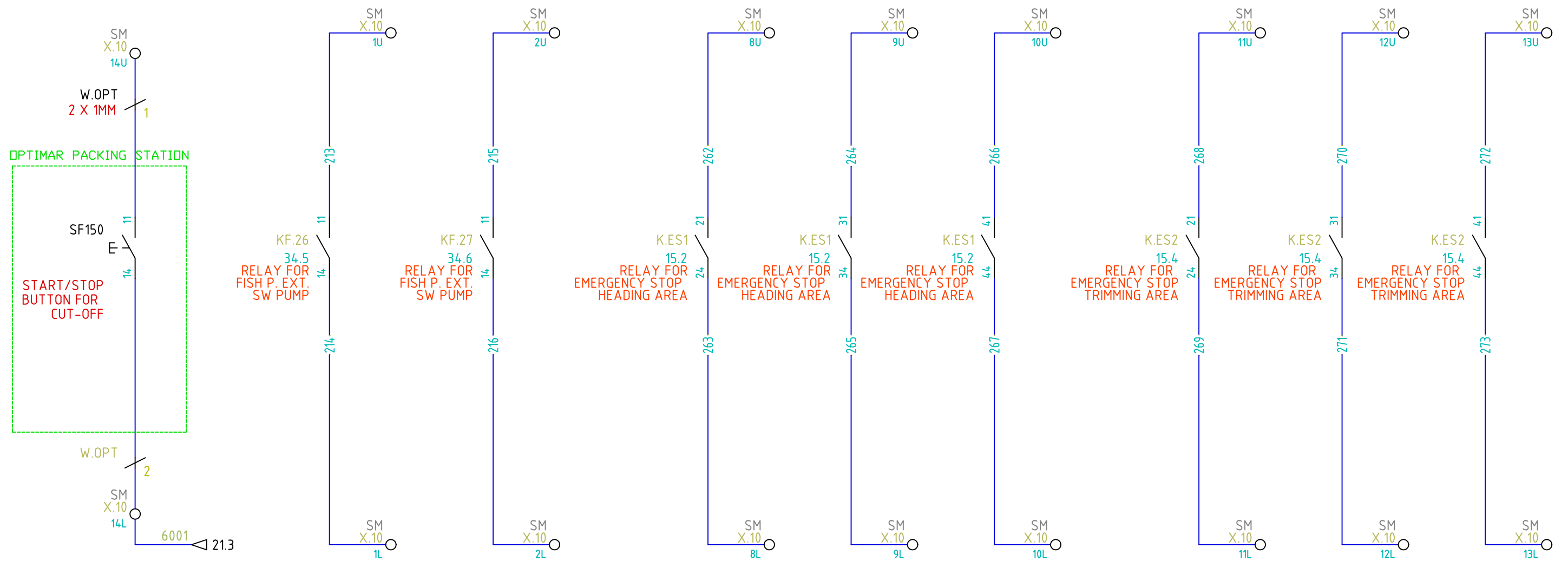


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Baldvin Njalsson GK: Processing plant

DC Power Circuit
 Enclosure Fan, light and PLC HMI
 24V DC

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH	DRAWING NO: R-3062100	PRJ NO: BN-27
0	First Review	25.9.2020	PSH		
				DATE	20.08.20
				NAME	PSH
				PRJ NO:	BN-27
				SHEET	23
				OF	131
				A3	



Remote Start/stop
for trimmstation
Cut-off

Remote Start/stop for
Fish-pump seawater-pump

Emergency stop contacts
for Hydraulic supply pump, alarm system e.t.c

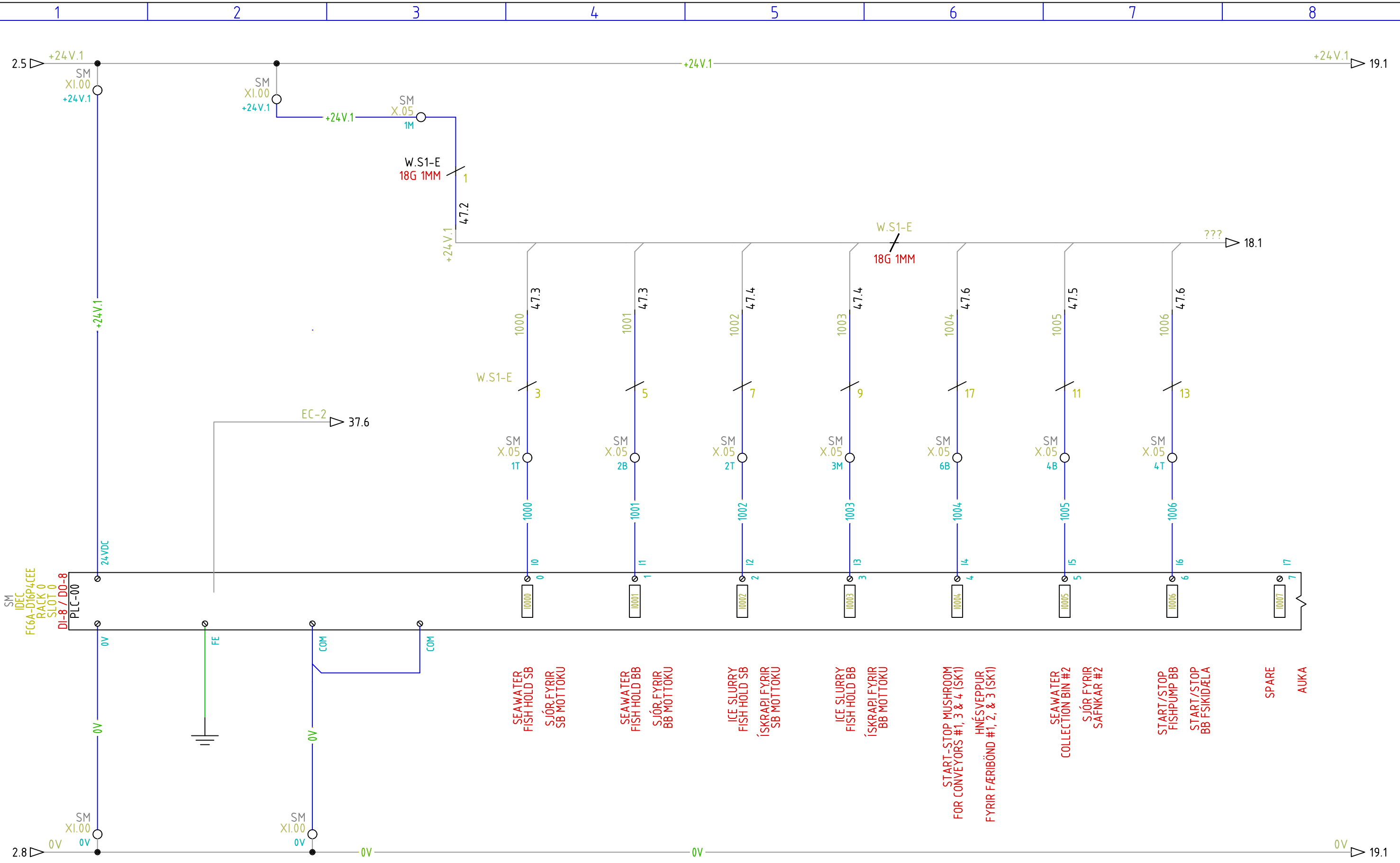


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Baldvin Njalsson GK: Processing plant

External in- and outputs
Fish pump, Emergency stop...
24V DC

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	24
0	First Review	25.9.2020	PSH				
DRAWING NO: R-5092100							131
Drawing Type: Electrical							A3



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Baldvin Njalsson GK: Processing plant

PLC connection
 Input in Rack 0, Slot 0
 S1-E inputs

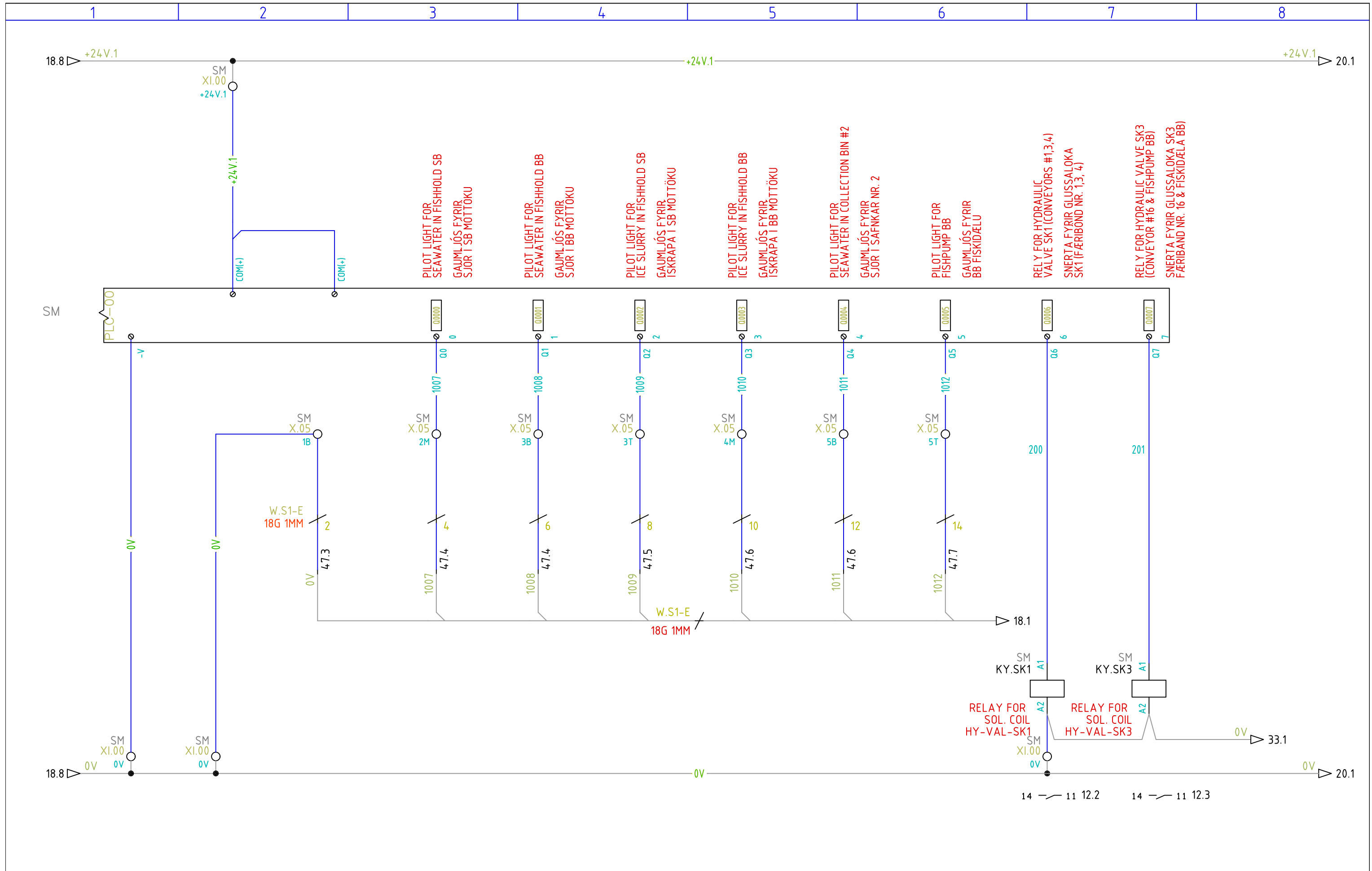
REV	Comments	Date	By	Drawing Type:	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	Electrical	20.08.20	PSH	BN-27	25
0	First Review	25.9.2020	PSH		OF			
					DRAWING NO: R-1432001		A3	

FILENAME: 140_PLC input.dwg

LOCATION: SM

INSTALLATION:

Drawing Type: Electrical



Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 0, Slot 0
S1-E outputs

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

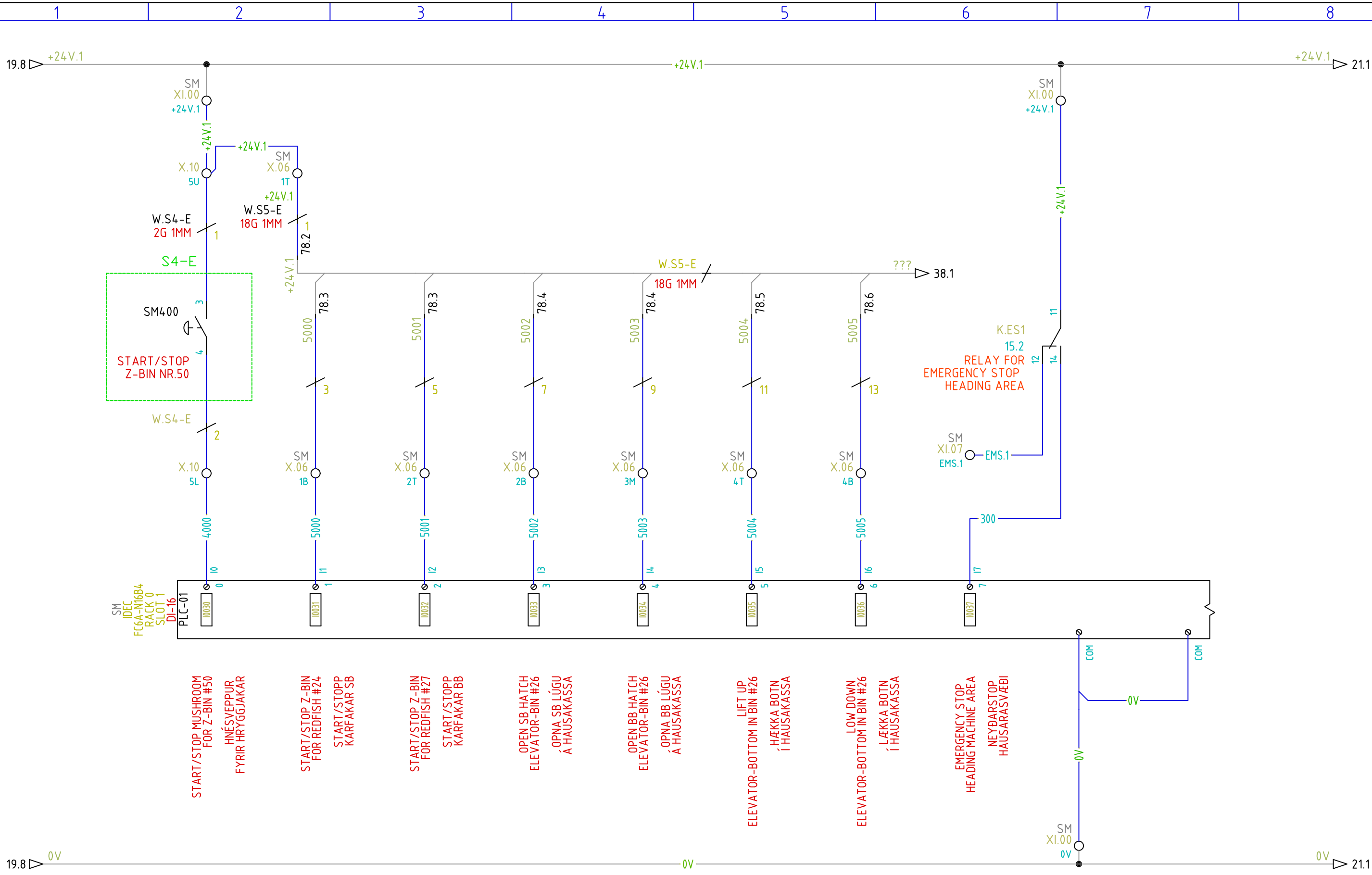
DATE	NAME	PRJ NO:	SHEET
Edit 20.08.20	PSH	BN-27	26
Chec.			OF
DRAWING NO: R-1432002			131
			A3

FILENAME: 141_PLC output.dwg

LOCATION:

INSTALLATION:

Drawing Type: Electrical



Baldvin Njalsson GK: Processing plant
 PLC connection
 Input in Rack 0, Slot 1
 S4-E, S5-E and emergency stop inputs

REV	Comments	Date	By	Drawing Type:
1	Cable summary	22.1.2021	IPSH	Electrical
0	First Review	25.9.2020	PSH	

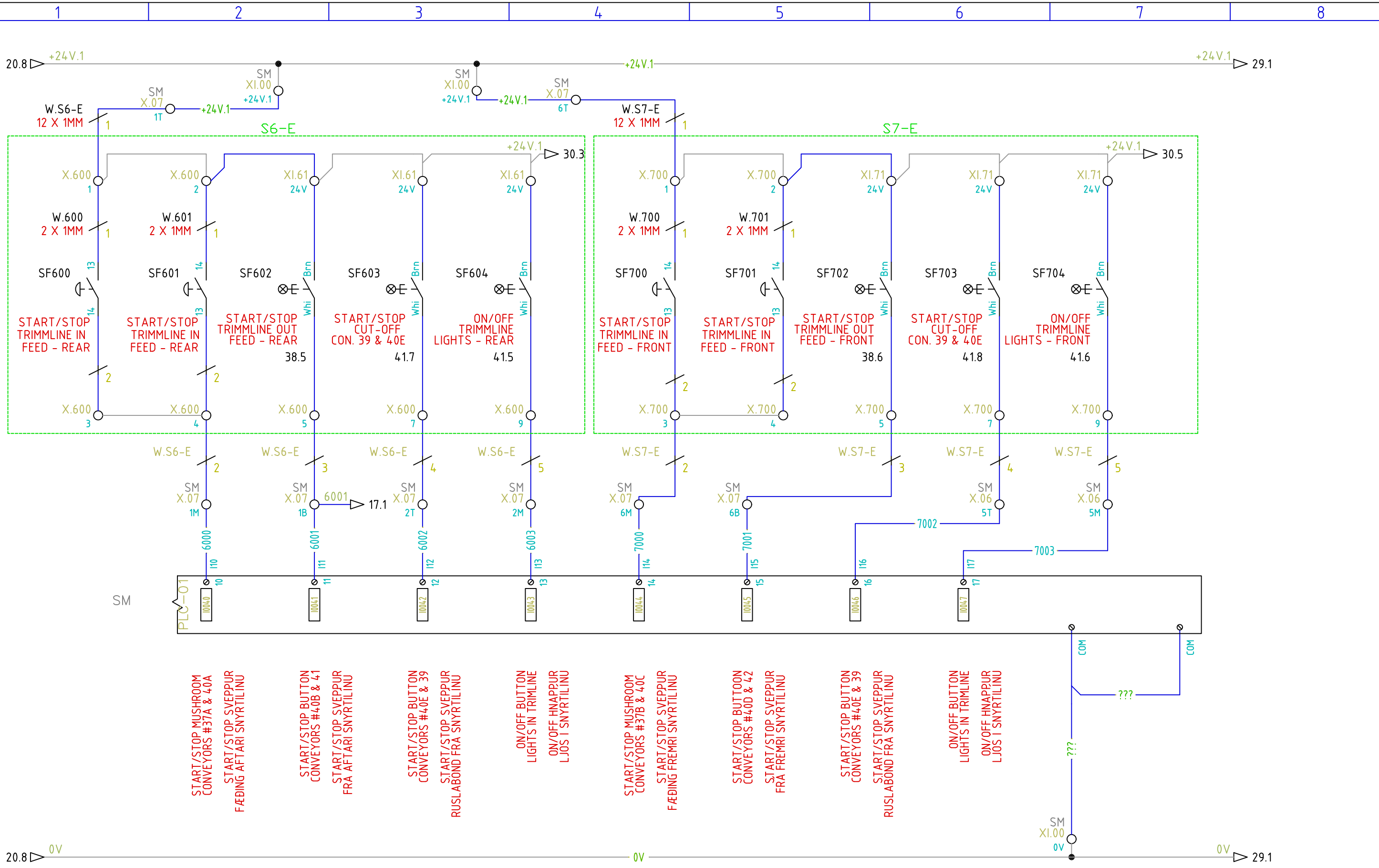
DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	27
DRAWING NO: R-1432003			OF 131
A3			

FILENAME: 142_PLC input.dwg

LOCATION: SM

INSTALLATION:

Drawing Type: Electrical



START/STOP MUSHROOM CONVEYORS #37A & 40A
 START/STOP SVEPPUR FÆÐING AFTARI SNYRTILINU
 START/STOP BUTTON CONVEYORS #40B & 41
 START/STOP SVEPPUR FRA AFTARI SNYRTILINU
 START/STOP BUTTON CONVEYORS #40E & 39
 START/STOP SVEPPUR RUSLABOND FRA SNYRTILINU
 ON/OFF BUTTON LIGHTS IN TRIMLINE
 ON/OFF HNAPPUR LJOS I SNYRTILINU
 START/STOP MUSHROOM CONVEYORS #37B & 40C
 START/STOP SVEPPUR FÆÐING FREMRI SNYRTILINU
 START/STOP BUTTON CONVEYORS #40D & 42
 START/STOP SVEPPUR FRA FREMRI SNYRTILINU
 START/STOP BUTTON CONVEYORS #40E & 39
 START/STOP SVEPPUR RUSLABOND FRA SNYRTILINU
 ON/OFF BUTTON LIGHTS IN TRIMLINE
 ON/OFF HNAPPUR LJOS I SNYRTILINU



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Baldvin Njalsson GK: Processing plant

PLC connection
 Input in Rack 0, Slot 1
 S6-E abd S7- E inputs

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

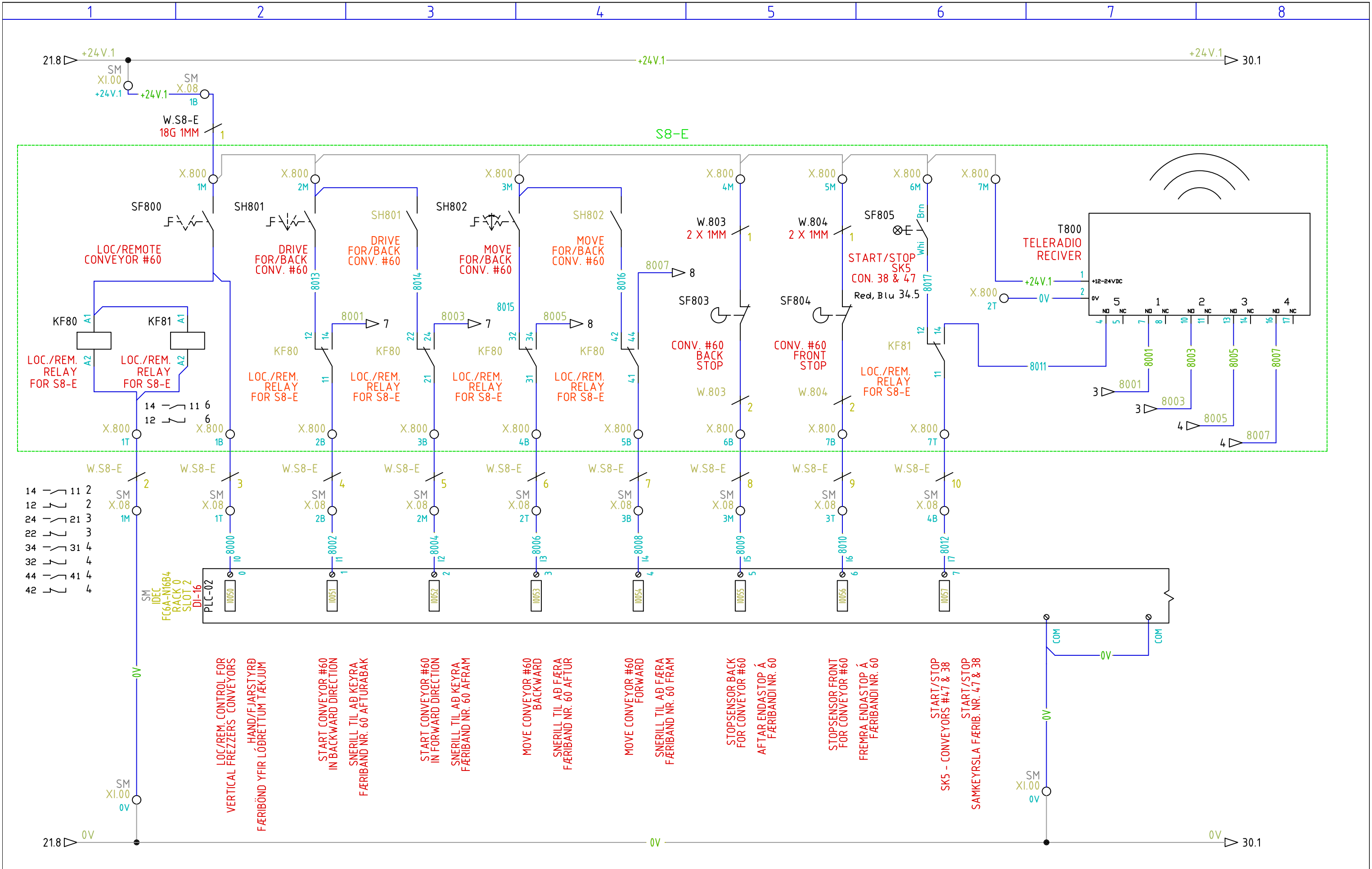
DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27	SHEET	28
Chec.						OF	131
DRAWING NO:				R-5442001			
A3							


FILENAME: 143_PLC input.dwg

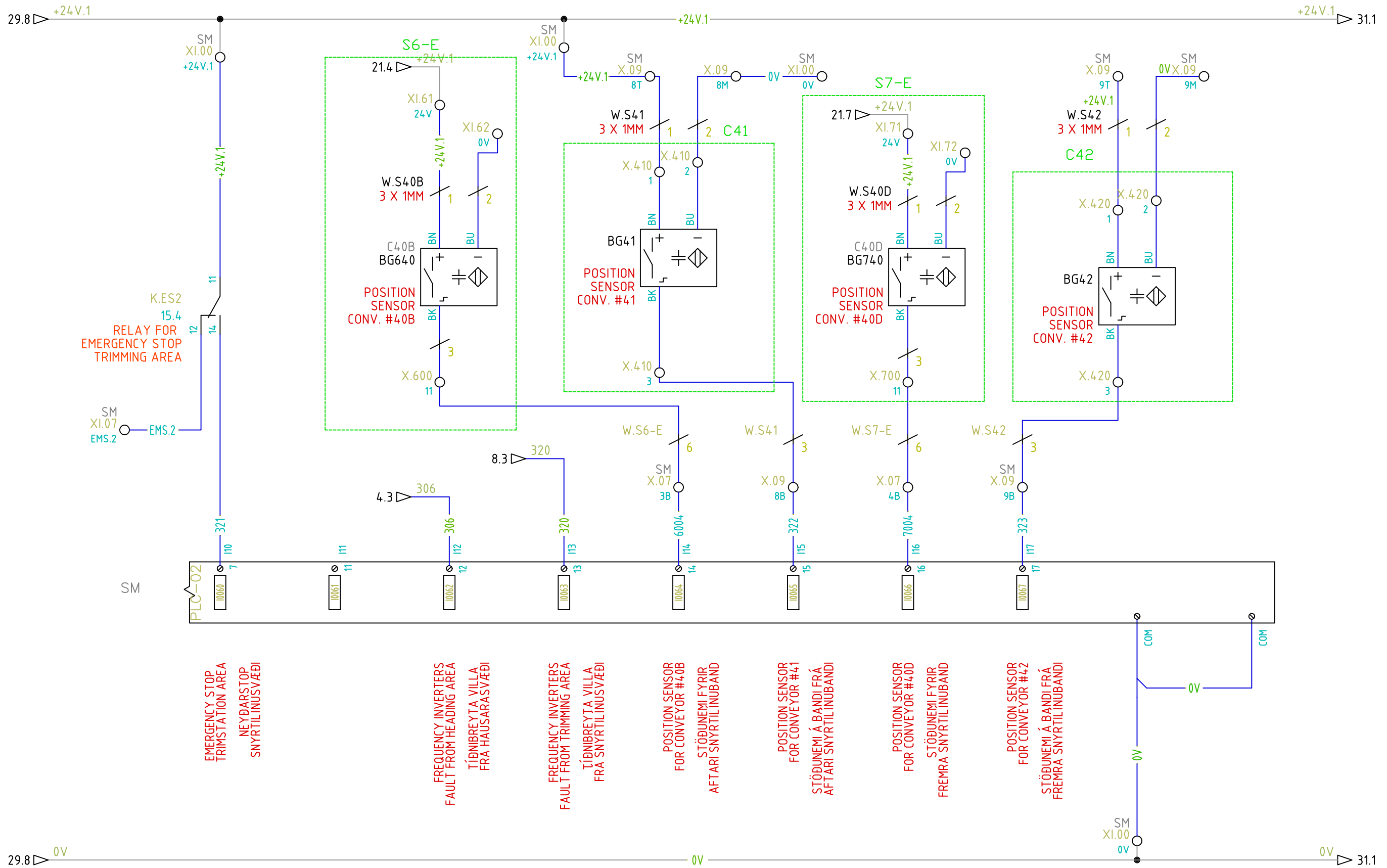
LOCATION: SM

INSTALLATION:

Drawing Type: Electrical



	Klaki Tech Hafnarbraut 25 200 Kopavogur ICELAND +354 554-0000 klaki@klaki.is www.klaki.is	Baldvin Njalsson GK: Processing plant				DATE Edit 20.08.20	NAME PSH	PRJ NO: BN-27	SHEET 29
		PLC connection Input in Rack 0, Slot 2 S8-E inputs				Choc.	DRAWING NO: R-5442002		OF 131
FILENAME: 144_PLC input.dwg	LOCATION: SM	INSTALLATION:	REV 1 Cable summary 22.1.2021 PSH 0 First Review 25.9.2020 PSH	Comments	Date	By	Drawing Type: Electrical	A3	



EMERGENCY STOP TRIMMING AREA
NEYÐARSTÖP SNYRTELINUSVÆÐI

FREQUENCY INVERTERS FAULT FROM HEADING AREA
TÍÐNIBREYTA VILLA FRA HAUSARASVÆÐI

FREQUENCY INVERTERS FAULT FROM TRIMMING AREA
TÍÐNIBREYTA VILLA FRA SNYRTELINUSVÆÐI

POSITION SENSOR FOR CONVEYOR #40B
STÖÐUNEMI FYRIR AFTARI SNYRTELINUBANDI

POSITION SENSOR FOR CONVEYOR #41
STÖÐUNEMI Á BANDI FRÁ AFTARI SNYRTELINUBANDI

POSITION SENSOR FOR CONVEYOR #40D
STÖÐUNEMI FYRIR FREMRA SNYRTELINUBANDI

POSITION SENSOR FOR CONVEYOR #42
STÖÐUNEMI Á BANDI FRÁ FREMRA SNYRTELINUBANDI



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Baldvin Njalsson GK: Processing plant

PLC connection
Input in Rack 0, Slot 2
Emergency stop, FI fault signal, Position sensor TS

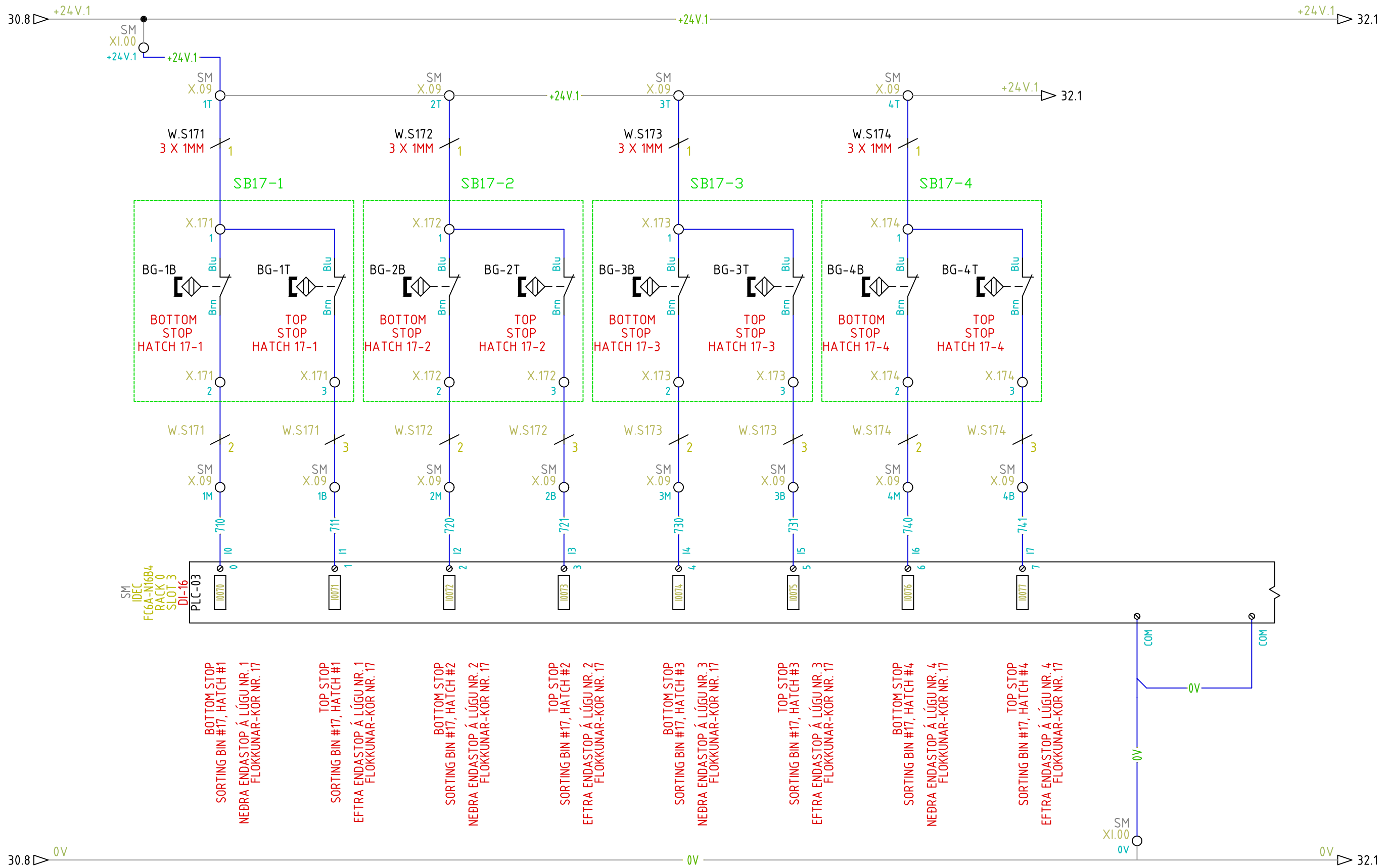
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
Edit 20.08.20	PSH	BN-27	30
Chec.			OF
DRAWING NO: R-5442003			131
			A3

FILENAME: 145_PLC input.dwg

LOCATION: SM

INSTALLATION:



BOTTOM STOP SORTING BIN #17, HATCH #1
 NEDRA ENDASTOP Á LUGU NR. 1 FLOKKUNAR-KOR NR. 17

TOP STOP SORTING BIN #17, HATCH #1
 EFTRA ENDASTOP Á LUGU NR. 1 FLOKKUNAR-KOR NR. 17

BOTTOM STOP SORTING BIN #17, HATCH #2
 NEDRA ENDASTOP Á LUGU NR. 2 FLOKKUNAR-KOR NR. 17

TOP STOP SORTING BIN #17, HATCH #2
 EFTRA ENDASTOP Á LUGU NR. 2 FLOKKUNAR-KOR NR. 17

BOTTOM STOP SORTING BIN #17, HATCH #3
 NEDRA ENDASTOP Á LUGU NR. 3 FLOKKUNAR-KOR NR. 17

TOP STOP SORTING BIN #17, HATCH #3
 EFTRA ENDASTOP Á LUGU NR. 3 FLOKKUNAR-KOR NR. 17

BOTTOM STOP SORTING BIN #17, HATCH #4
 NEDRA ENDASTOP Á LUGU NR. 4 FLOKKUNAR-KOR NR. 17

TOP STOP SORTING BIN #17, HATCH #4
 EFTRA ENDASTOP Á LUGU NR. 4 FLOKKUNAR-KOR NR. 17



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Baldvin Njalsson GK: Processing plant

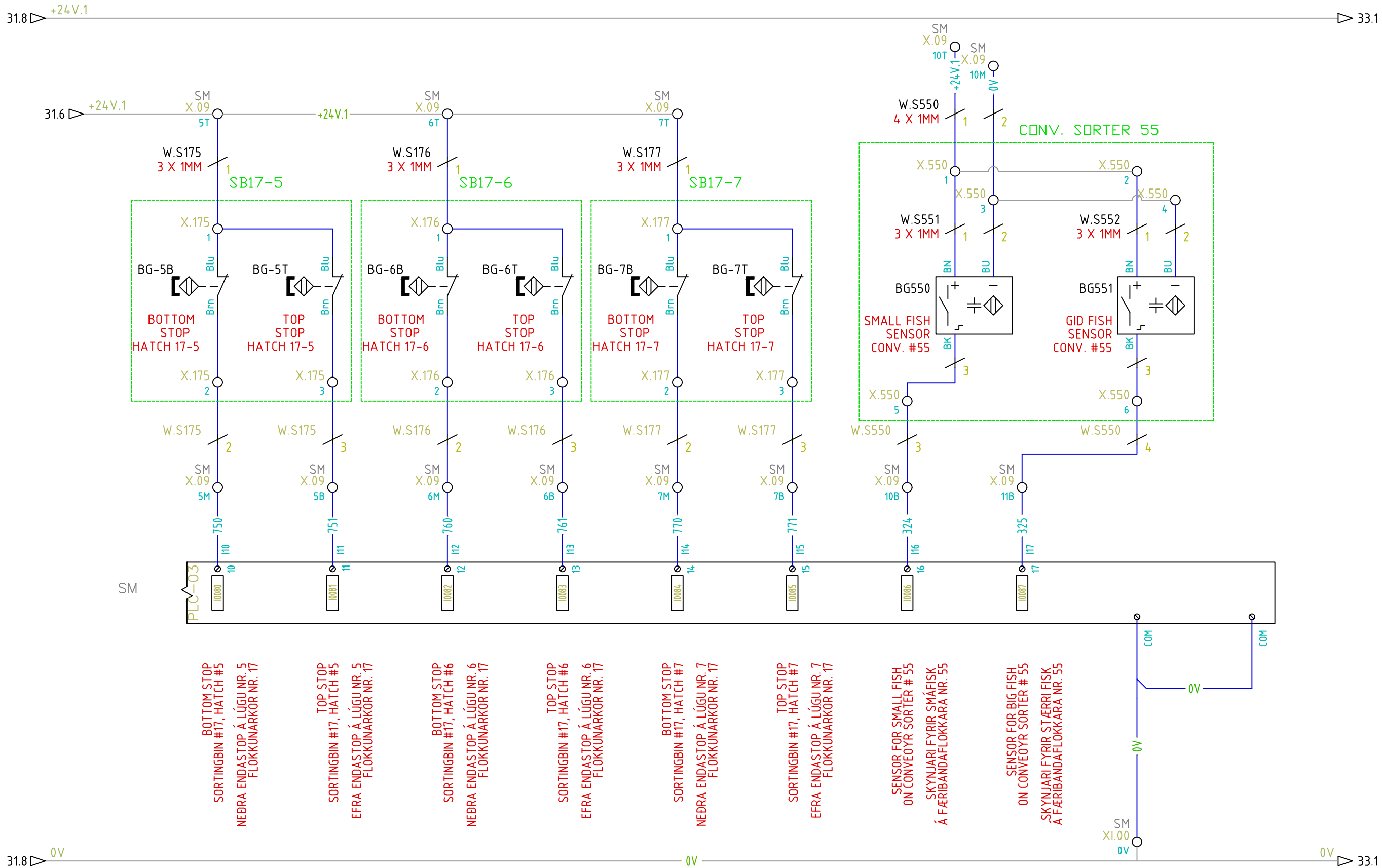
PLC connection
 Input in Rack 0, Slot 3
 Sorting bin hatches "Endstop" sensors input

REV	Comments	Date	By	Drawing Type:	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	Electrical	20.08.20	PSH	BN-27	31
0	First Review	25.9.2020	PSH		DRAWING NO:	R-5442004		OF
								A3

FILENAME: 146_PLC input.dwg

LOCATION: SM

INSTALLATION:



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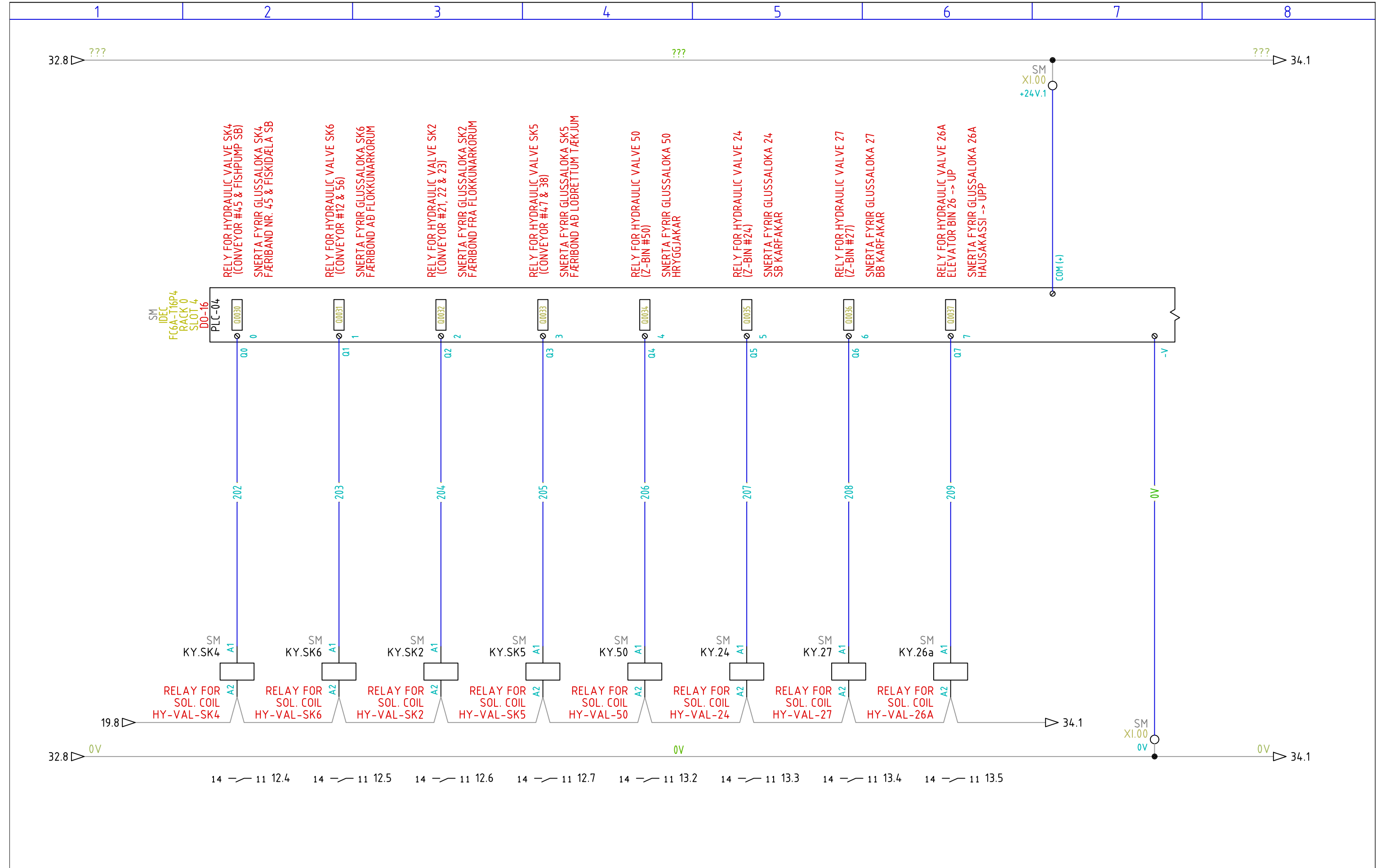
Baldvin Njalsson GK: Processing plant

PLC connection
Input in Rack 0, Slot 2
Sorting bin hatches "Endstop" sensors input

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	32
			OF
			131

DRAWING NO: R-5442005



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Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 0, Slot4
Hydraulic valves

REV	Comments	Date	By	Drawing Type:
1	Cable summary	22.1.2021	IPSH	Electrical
0	First Review	25.9.2020	PSH	

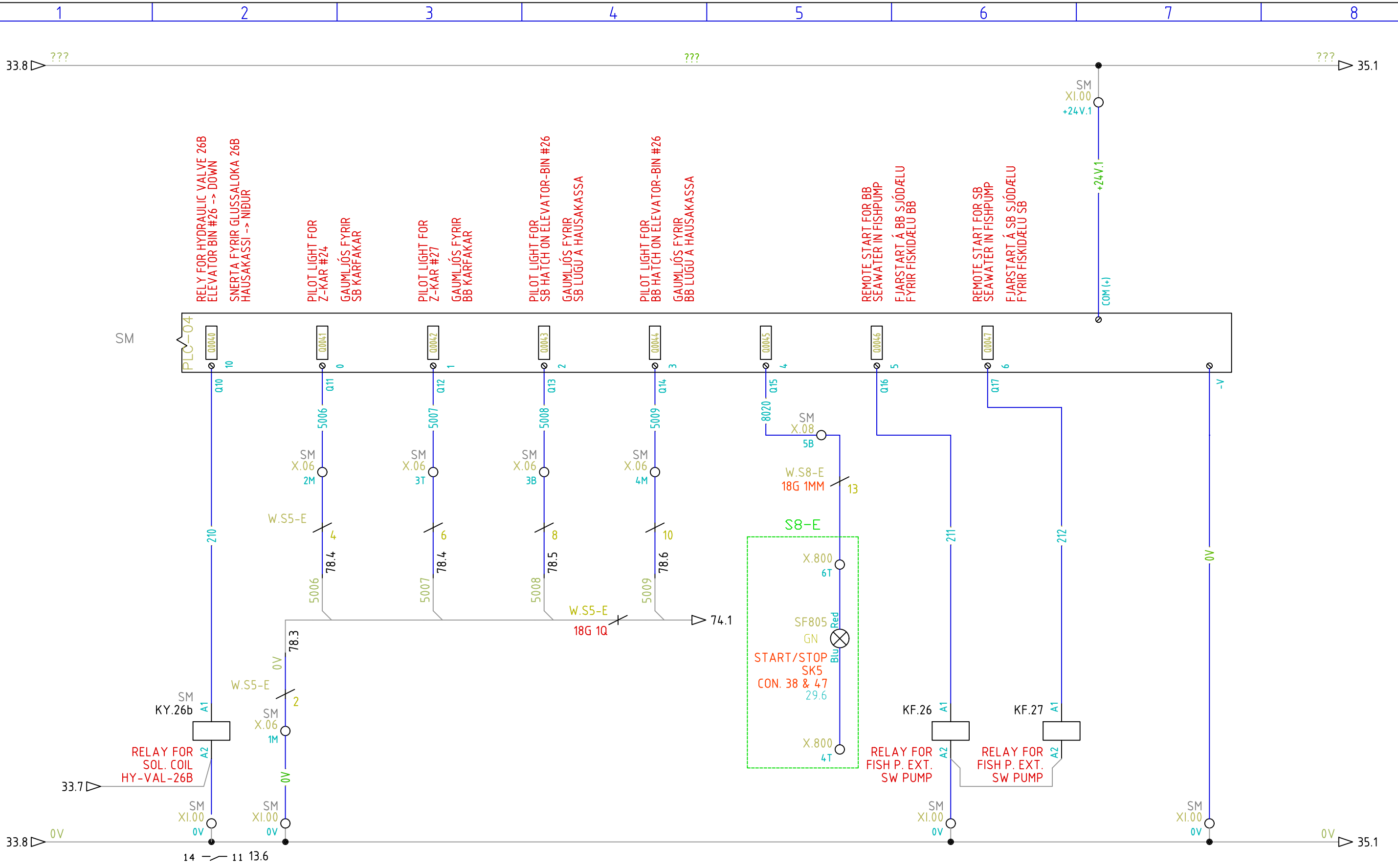
DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	33
DRAWING NO: R-1452001			OF 131
			A3

FILENAME: 150_PLC output.dwg

LOCATION: SM

INSTALLATION:

Drawing Type: Electrical



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Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 0, Slot4
Hydraulic valves, SE-5 outputs and Pump remote start/stop for Fish pumps

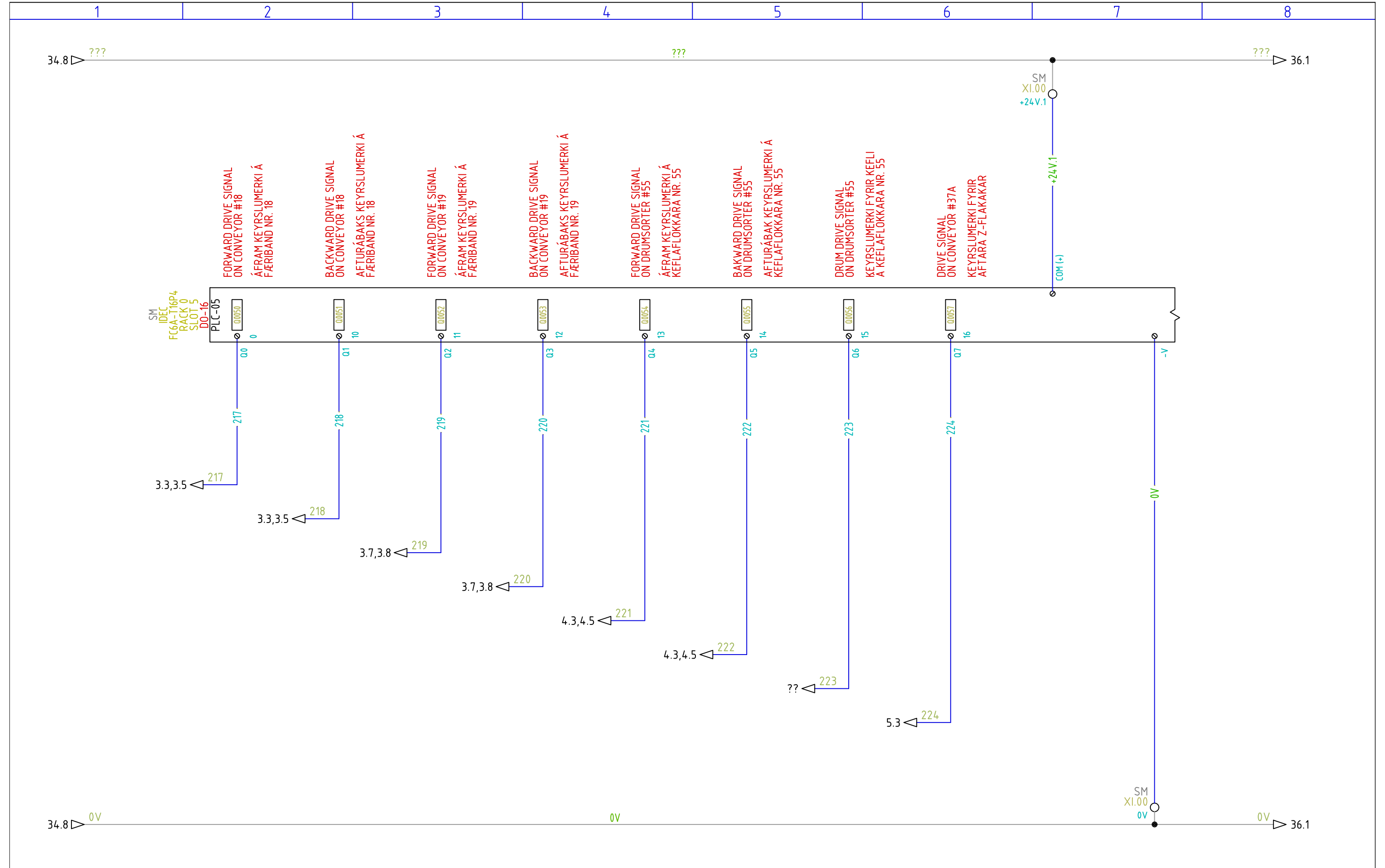
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	34
DRAWING NO: R-1452002			OF
			131
			A3

FILENAME: 151_PLC output.dwg

LOCATION: SM

INSTALLATION:



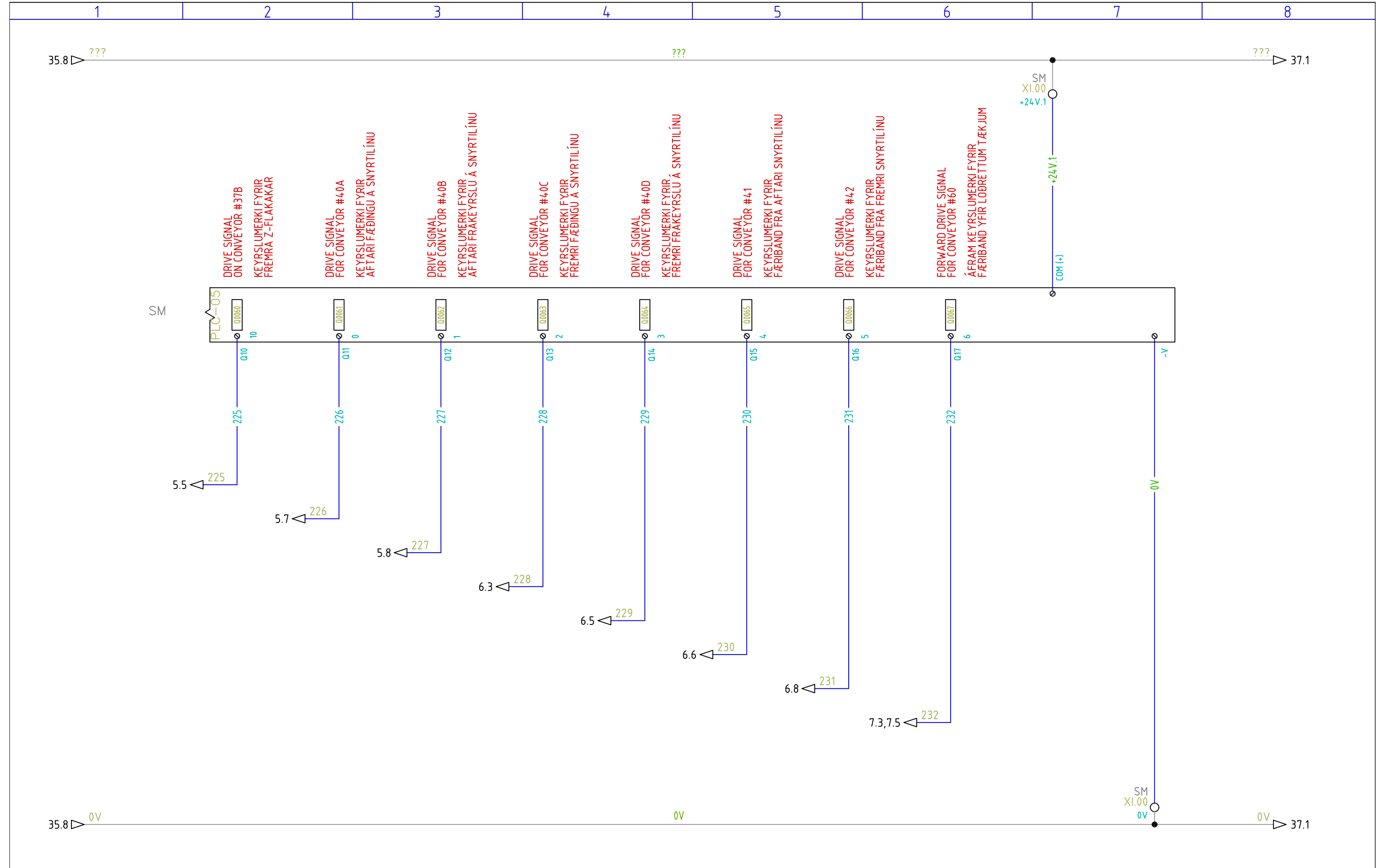
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Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 0, Slot5
Conveyors drive signals

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	35
DRAWING NO: R-1452003			OF 131



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Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 0, Slot5
Conveyors drive signals

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

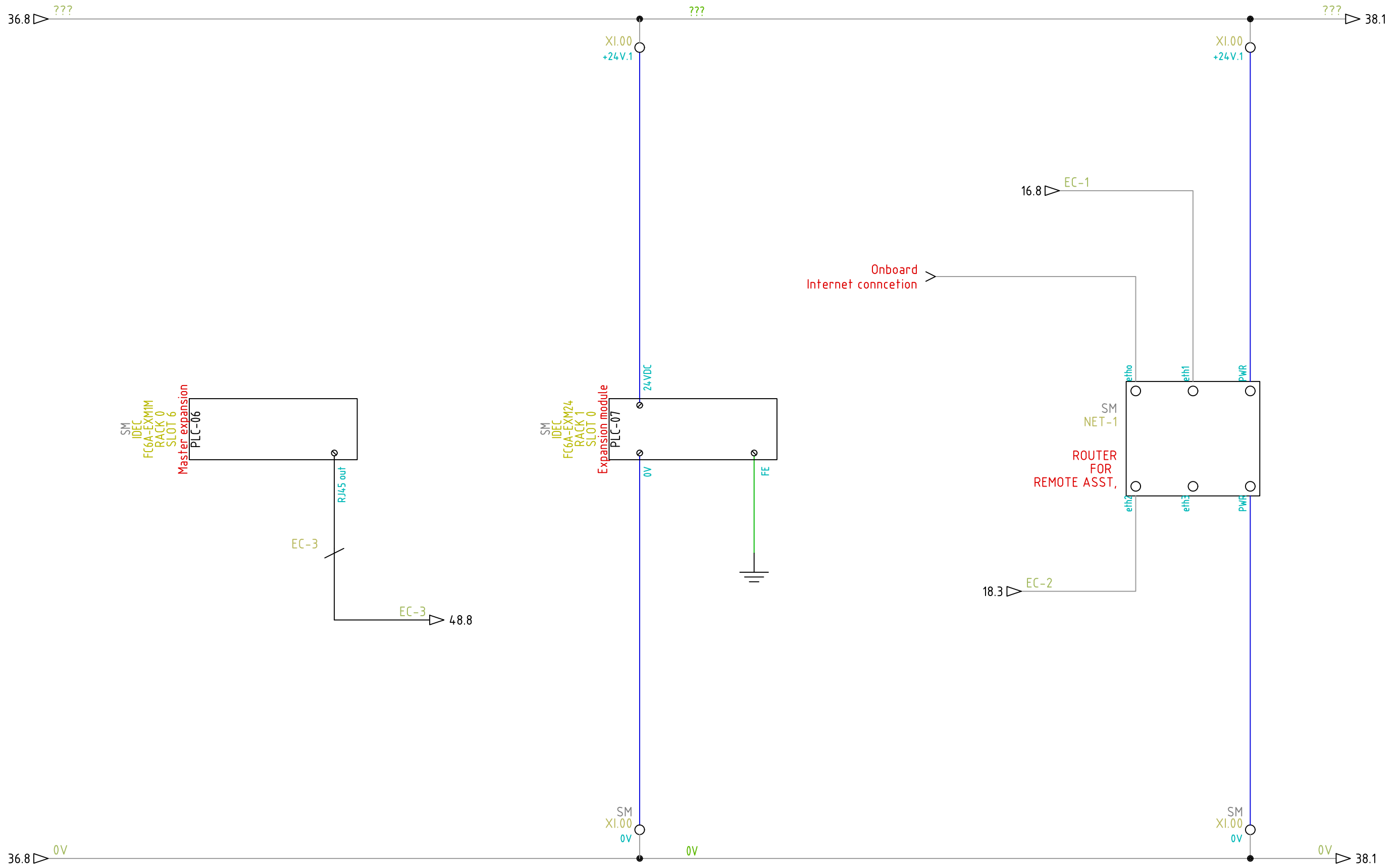
DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	36
DRAWING NO:			OF
R-1452004			131
			A3

FILENAME: 153_PLC output.dwg

LOCATION: SM

INSTALLATION:

Drawing Type: Electrical



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Baldvin Njalsson GK: Processing plant

PLC connection
 Output in Rack 0, Slot7
 Expansion modules

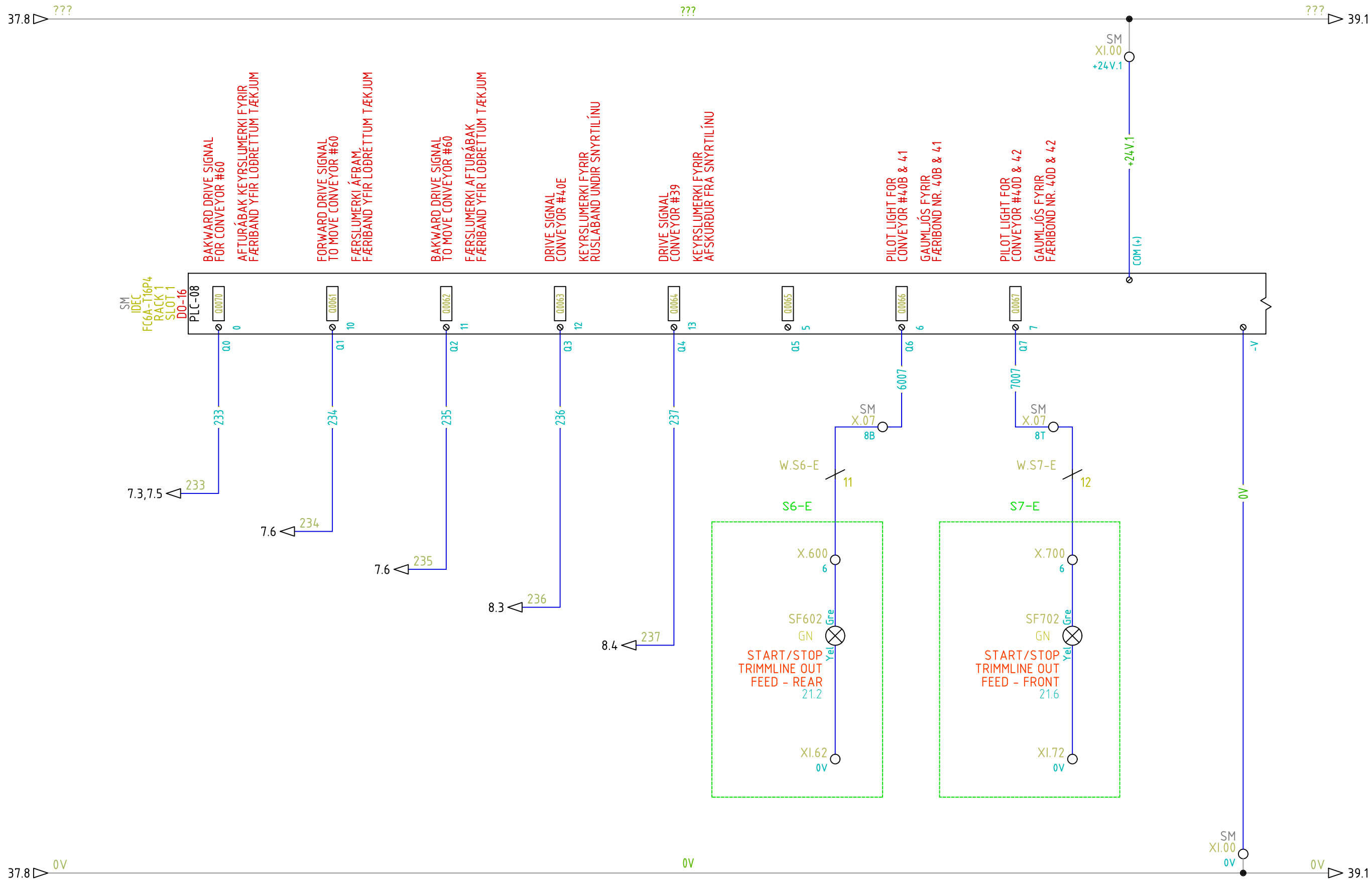
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	37
DRAWING NO: R-2452001			OF 131
			A3

FILENAME: 154_PLC com.dwg

LOCATION: S1-E

INSTALLATION:



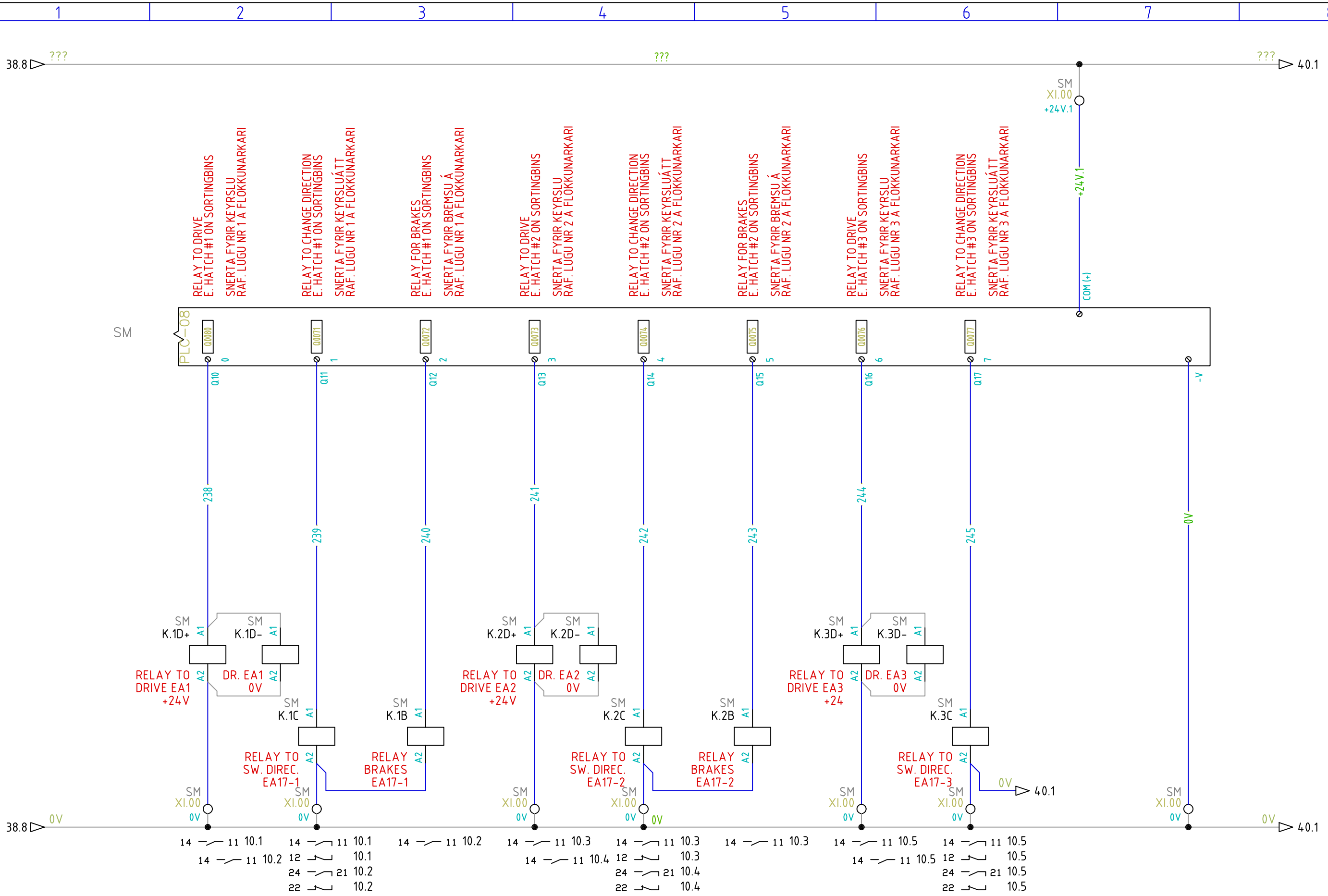
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Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 1, Slot 1
Conveyors drive signals

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	38
DRAWING NO:			OF
R-1452005			131
DRAWING Type:			A3
Electrical			



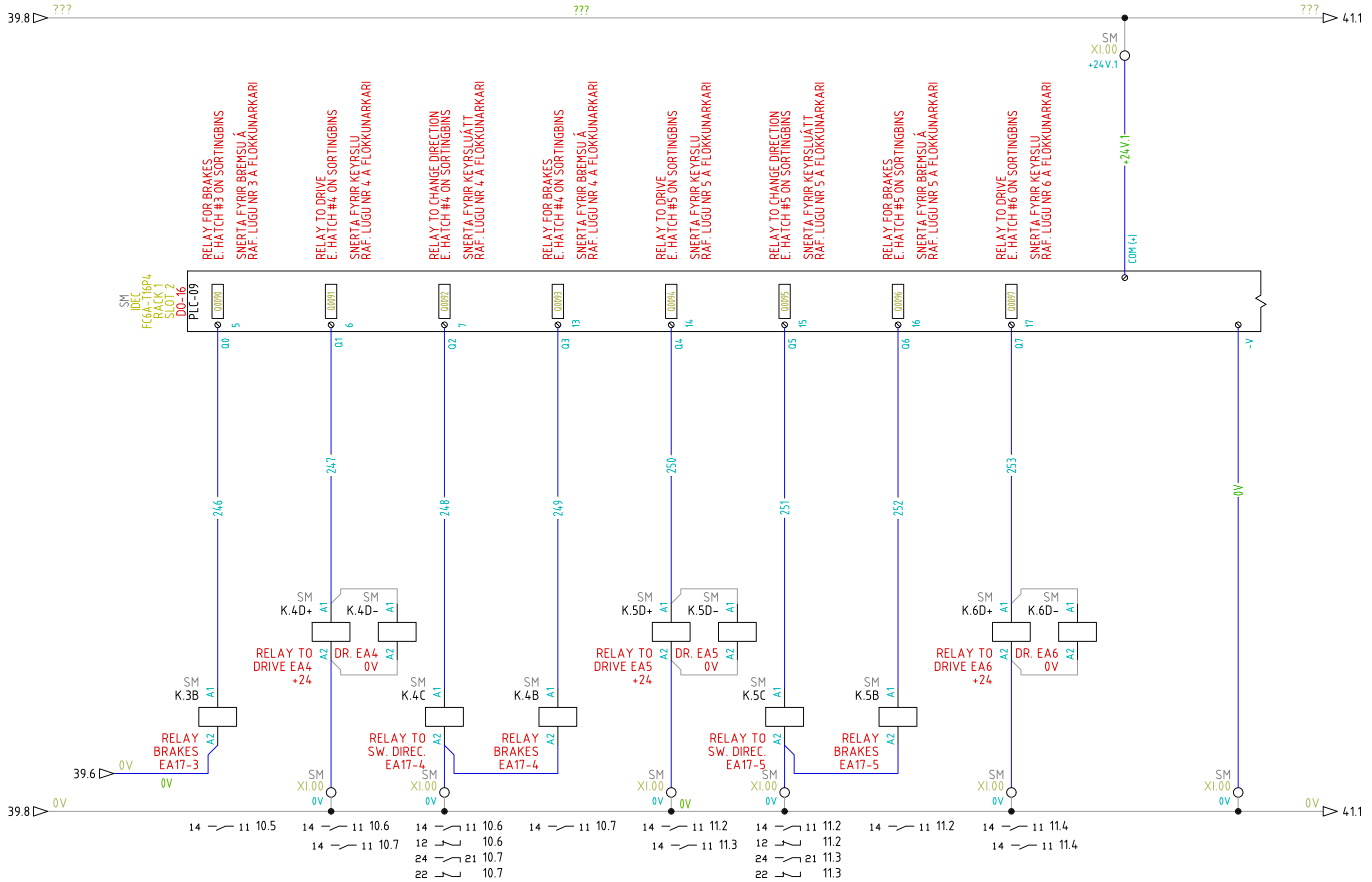
Baldvin Njalsson GK: Processing plant
PLC connection
Output in Rack 1, Slot 1
Sorting bins hatches control drive

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	39
Chec.			OF
			131
1	Cable summary	22.1.2021	PSH
0	First Review	25.9.2020	PSH
DRAWING NO:		R-1452006	
REV	Comments	Date	By
Drawing Type:		Electrical	

FILENAME: 156_PLC output.dwg

LOCATION: S1-E

INSTALLATION:



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Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 1, Slot 2
Sorting bins hatches control drive

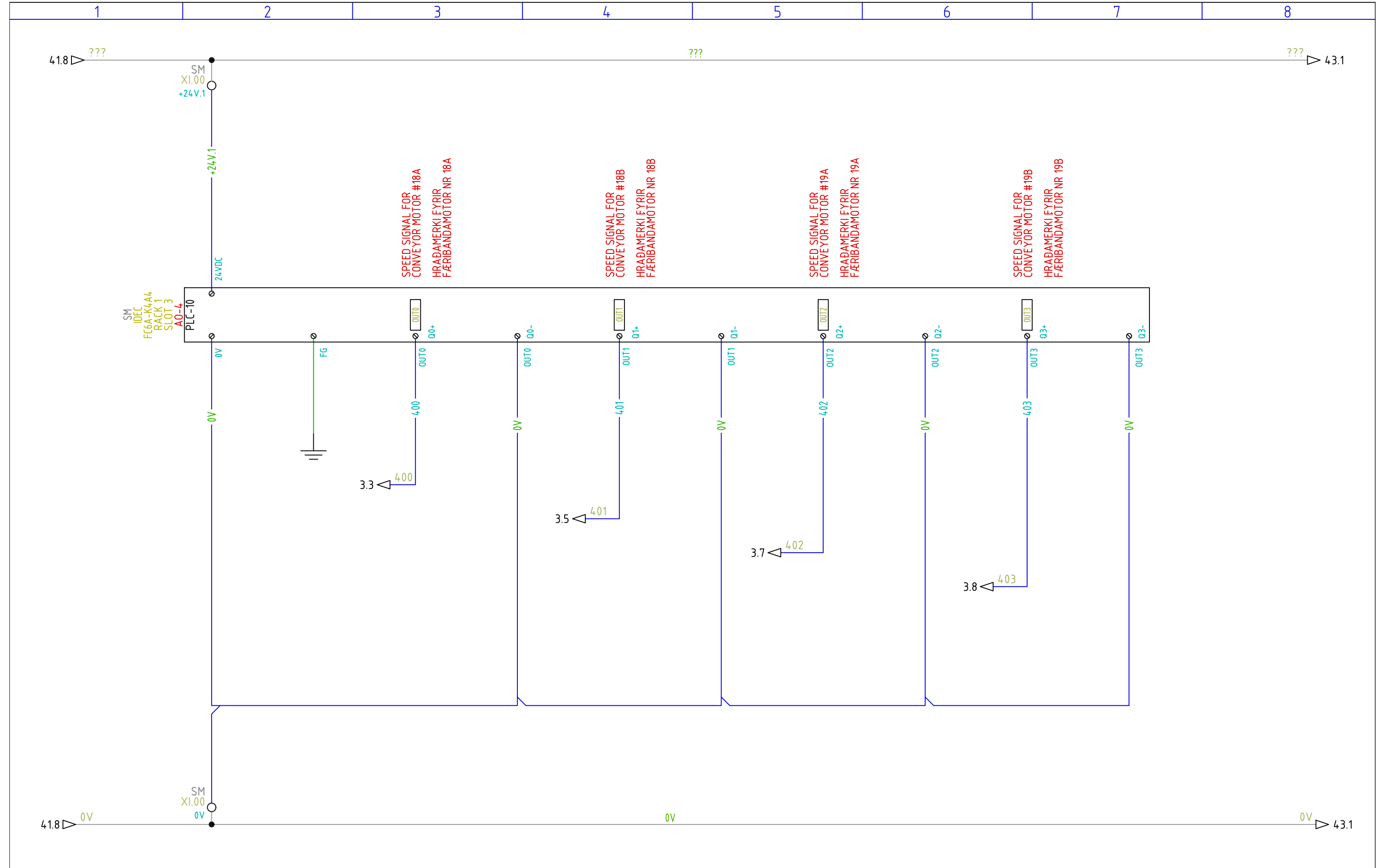
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
Edit 20.08.20	PSH	BN-27	40
Chec.			OF
DRAWING NO: R-1452007			131
			A3

FILENAME: 157_PLC output.dwg

LOCATION: S1-E

INSTALLATION:



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Baldvin Njalsson GK: Processing plant

PLC connection
 Analog out in Rack 1, Slot 3
 4-20mA Frequency inverter control signals

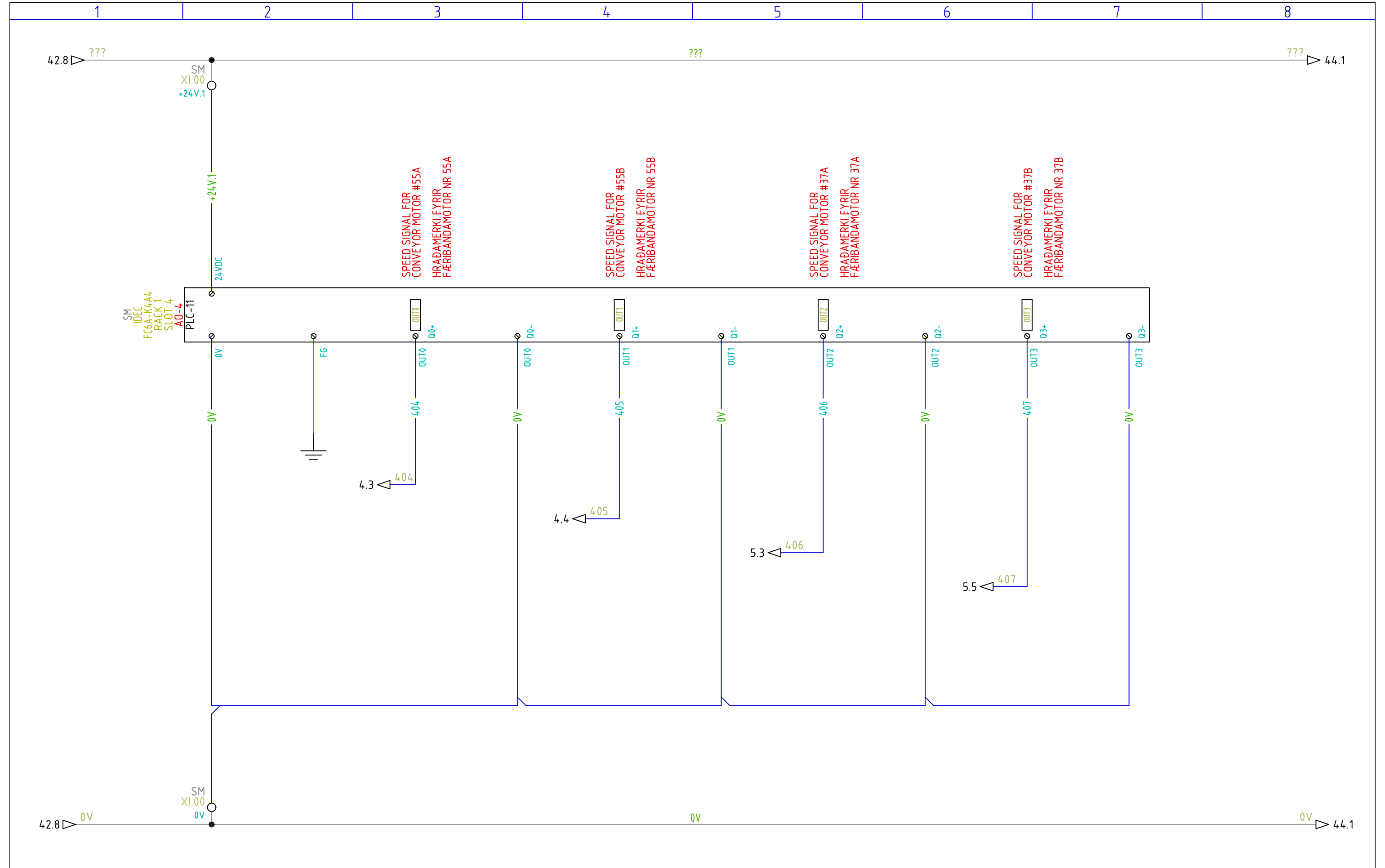
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	42
DRAWING NO:			OF
R-4032101			131
DRAWING Type: Electrical			A3

FILENAME: 160_PLC analog out.dwg

LOCATION: SM

INSTALLATION:



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Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 1, Slot 4
4-20mA Frequency inverter control signals

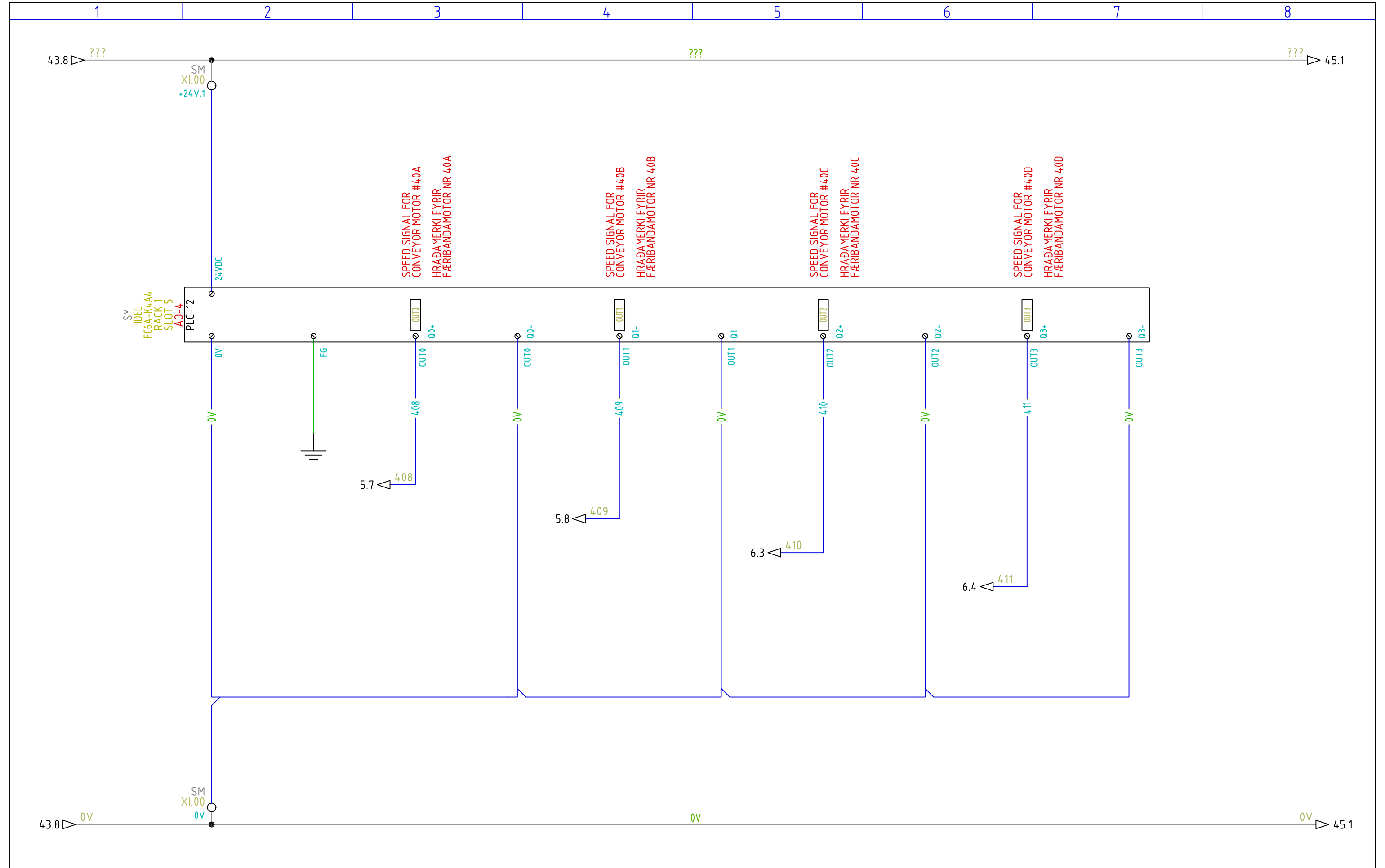
REV	Comments	Date	By	Drawing Type:	PRJ NO:	SHEET
1	Cable summary	22.1.2021	PSH	Electrical	BN-27	43
0	First Review	25.9.2020	PSH			OF
					DRAWING NO: R-4032102	A3

FILENAME: 161_PLC analog out.dwg

LOCATION: SM

INSTALLATION:

Drawing Type: Electrical



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Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 1, Slot 5
4-20mA Frequency inverter control signals

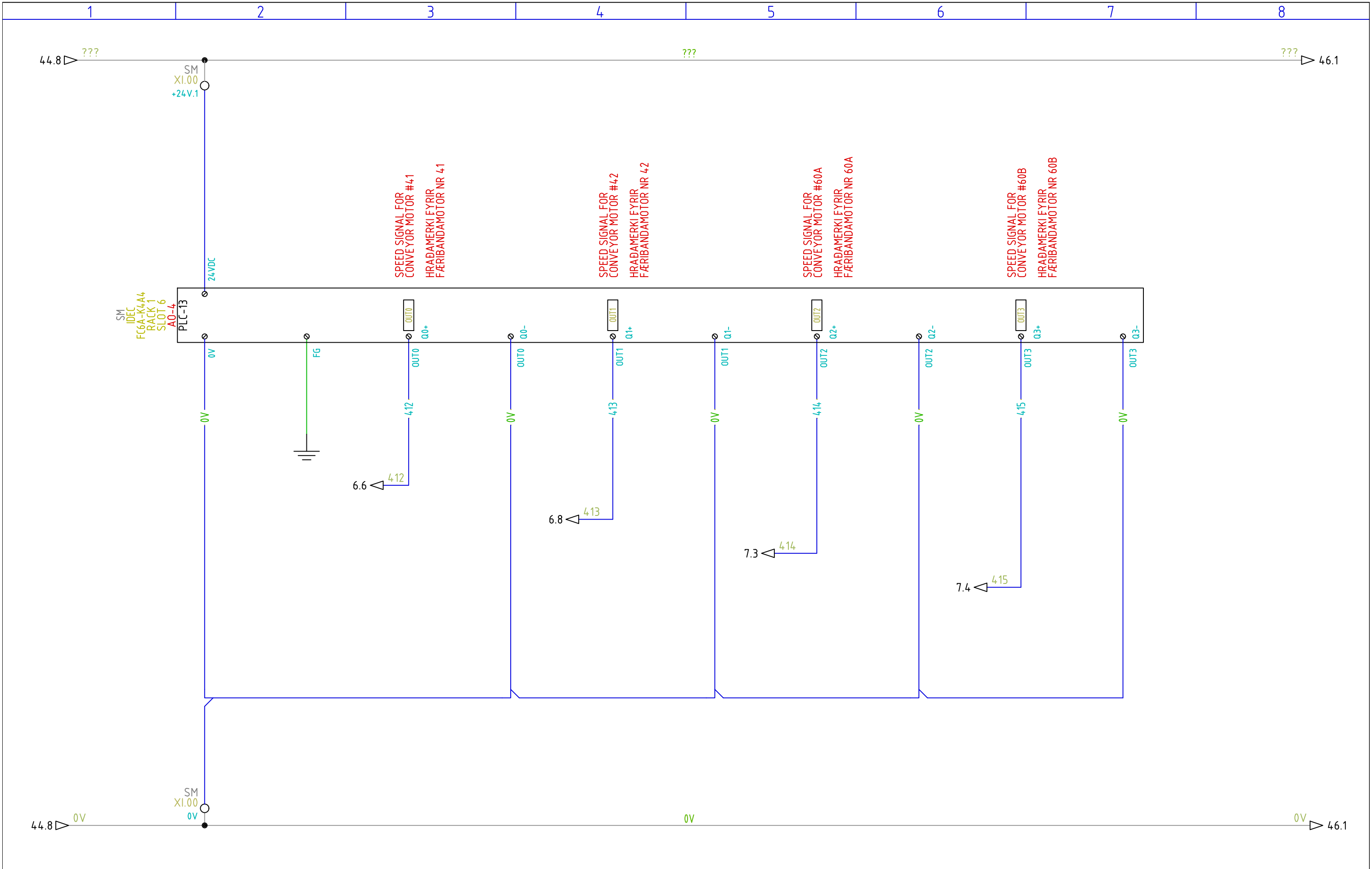
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		


DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	44
DRAWING NO:		OF	
R-4032103		131	
		A3	

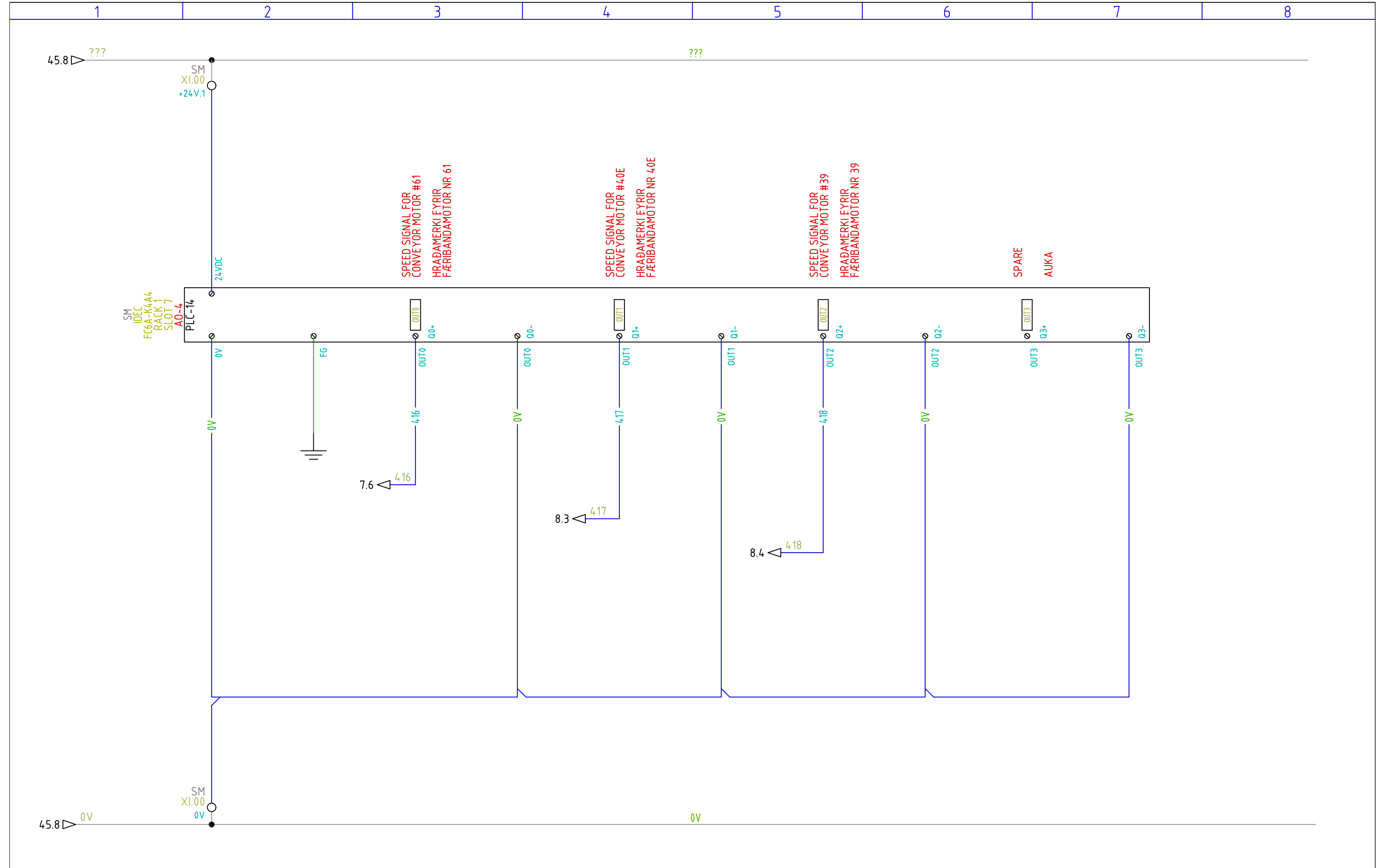
FILENAME: 162_PLC analog out.dwg

LOCATION: SM

INSTALLATION:



	Klaki Tech Hafnarbraut 25 200 Kopavogur ICELAND +354 554-0000 klaki@klaki.is www.klaki.is	Baldvin Njalsson GK: Processing plant				DATE Edit 20.08.20	NAME PSH	PRJ NO: BN-27	SHEET 45
		PLC connection Output in Rack 1, Slot 6 4-20mA Frequency inverter control signals				Chec.	DRAWING NO: R-4032104		OF 131
FILENAME: 163_PLC analog out.dwg	LOCATION: SM	INSTALLATION:	REV	Comments	Date	By	Drawing Type: Electrical	A3	



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Baldvin Njalsson GK: Processing plant

PLC connection
Output in Rack 1, Slot 7
4-20mA Frequency inverter control signals

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	46
DRAWING NO:			OF
R-4032105			131

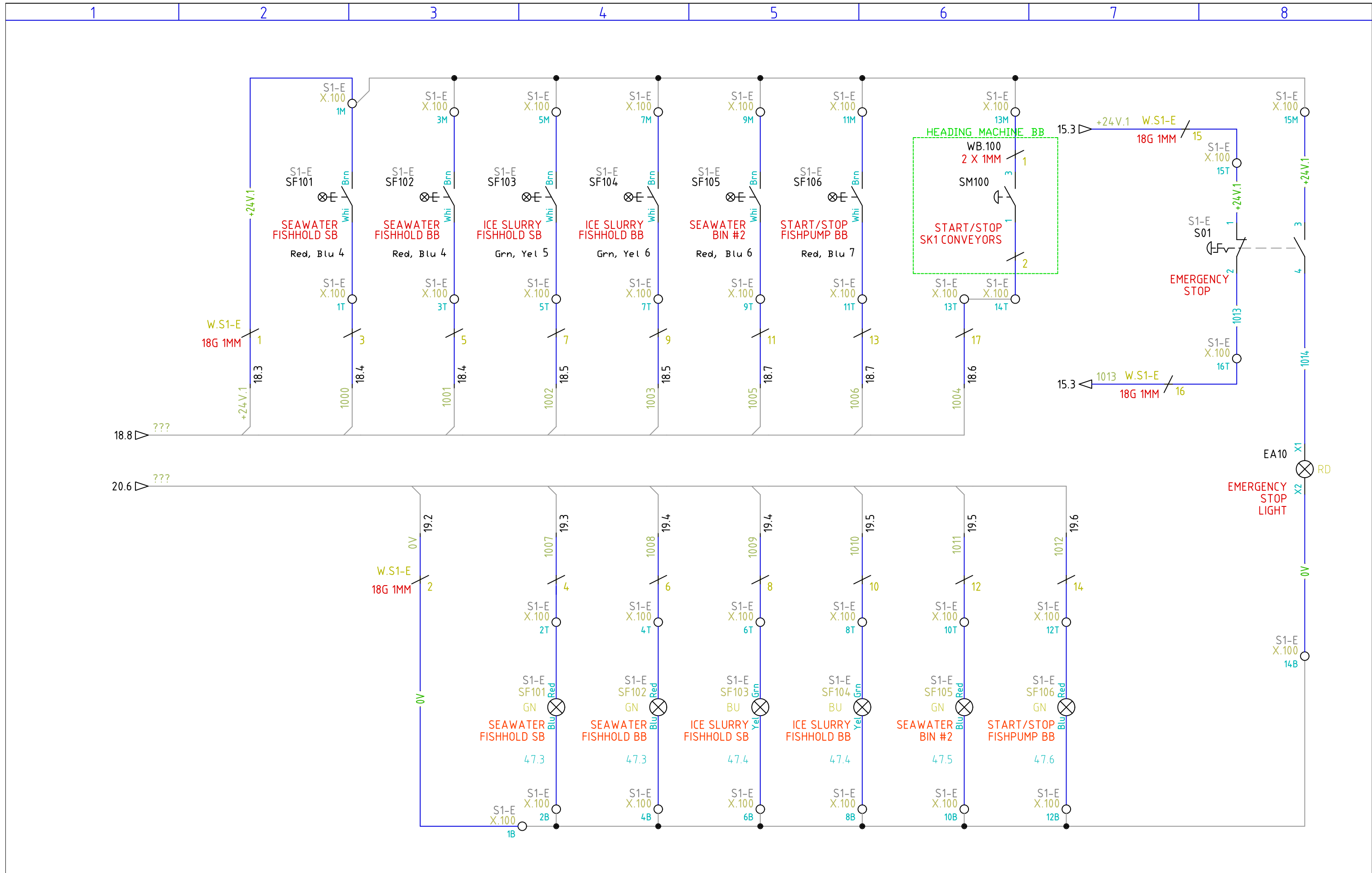
FILENAME: 164_PLC analog out.dwg

LOCATION: SM

INSTALLATION:

Drawing Type: Electrical

A3



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Baldvin Njalsson GK: Processing plant

Control Panel S1-E
Schematics
24V DC

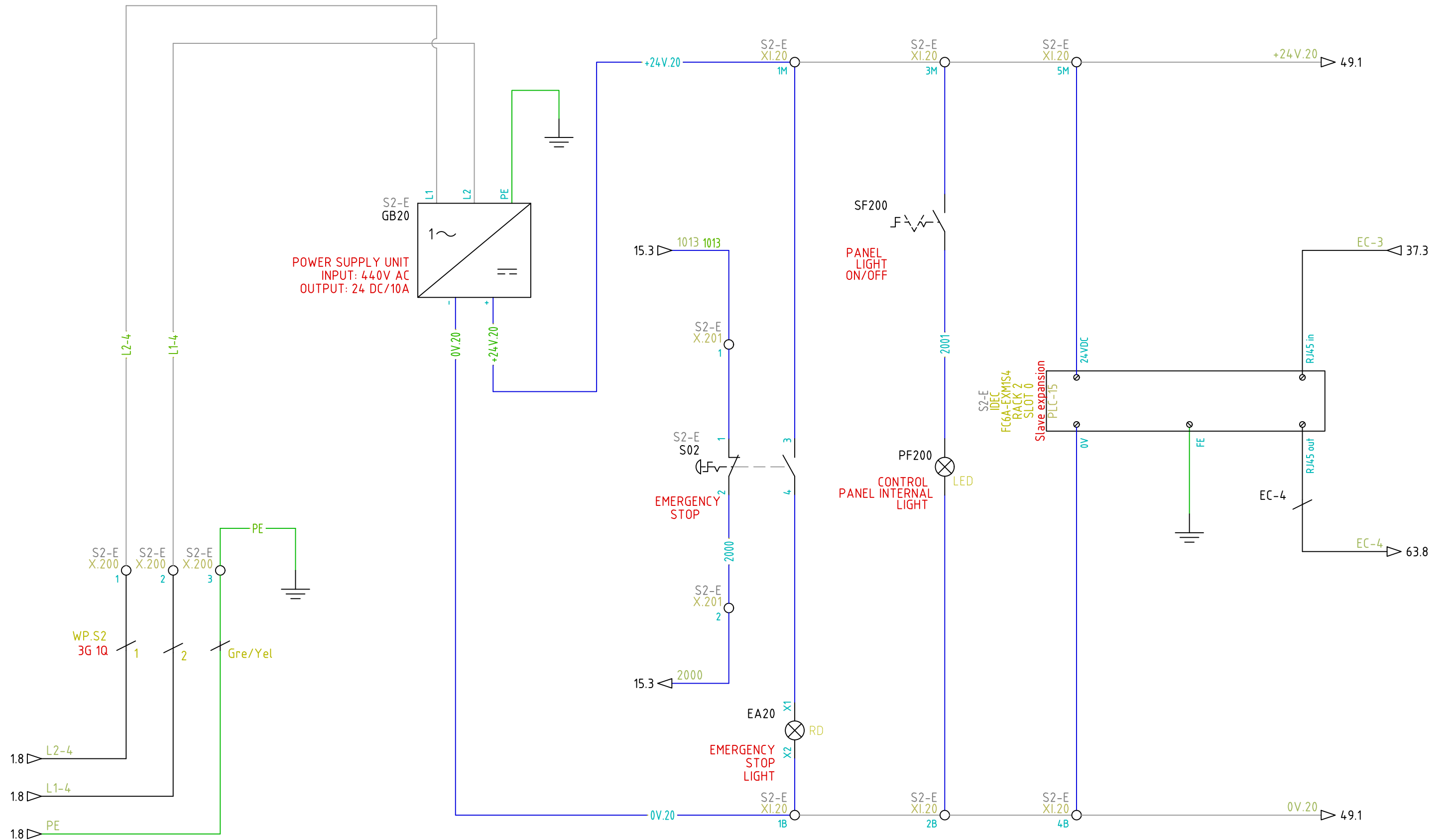
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	47
DRAWING NO: R-5432001			OF
			131
			A3

FILENAME: 170 S1-E.dwg

LOCATION: S1-E

INSTALLATION:



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Baldvin Njalsson GK: Processing plant

Control Panel S2-E
 Power Circuit
 24V DC

FILENAME: 171 S2-E Power circuit.dwg

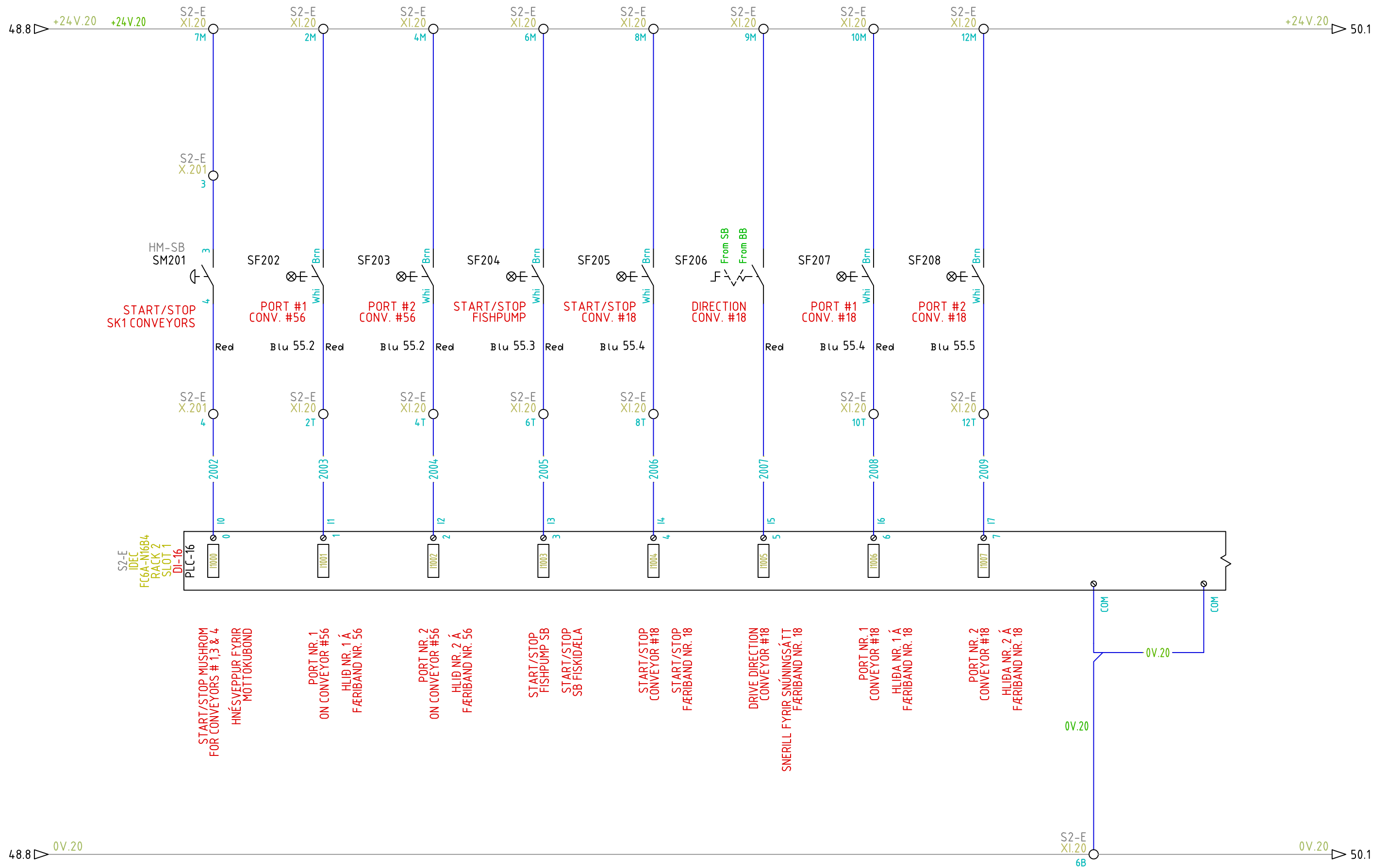
LOCATION: S2-E

INSTALLATION:

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	48
			OF
			131
			A3

DRAWING NO: R-4042100



FILENAME: 172 S2-E_PLC input.dwg

Baldvin Njalsson GK: Processing plant

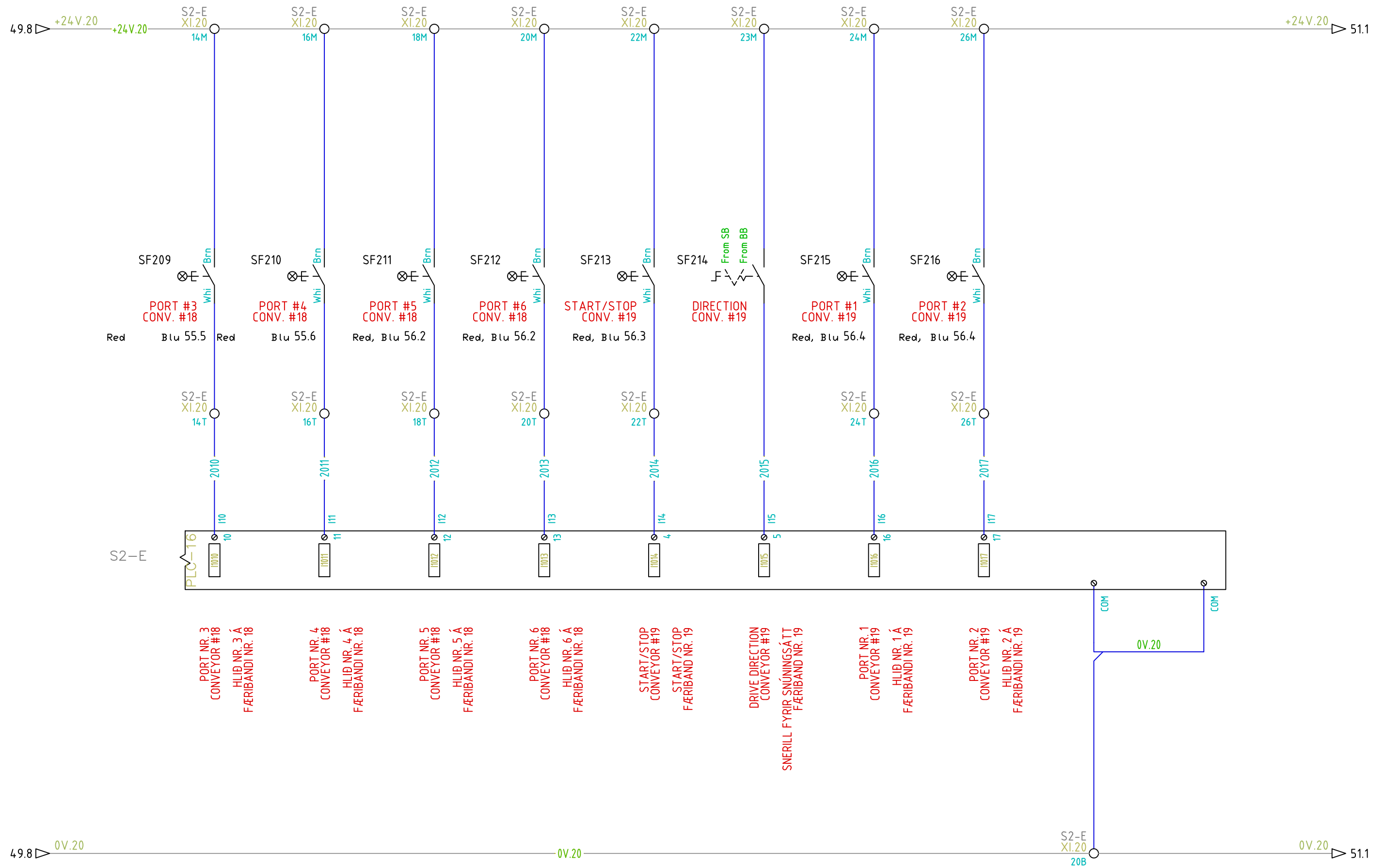
Control Panel S2-E
PLC connection
Input in Rack 2, Slot 1

LOCATION: S2-E

INSTALLATION:

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	49
DRAWING NO: R-4032106			OF 131
Drawing Type: Electrical			A3



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Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Input in Rack 2, Slot 1

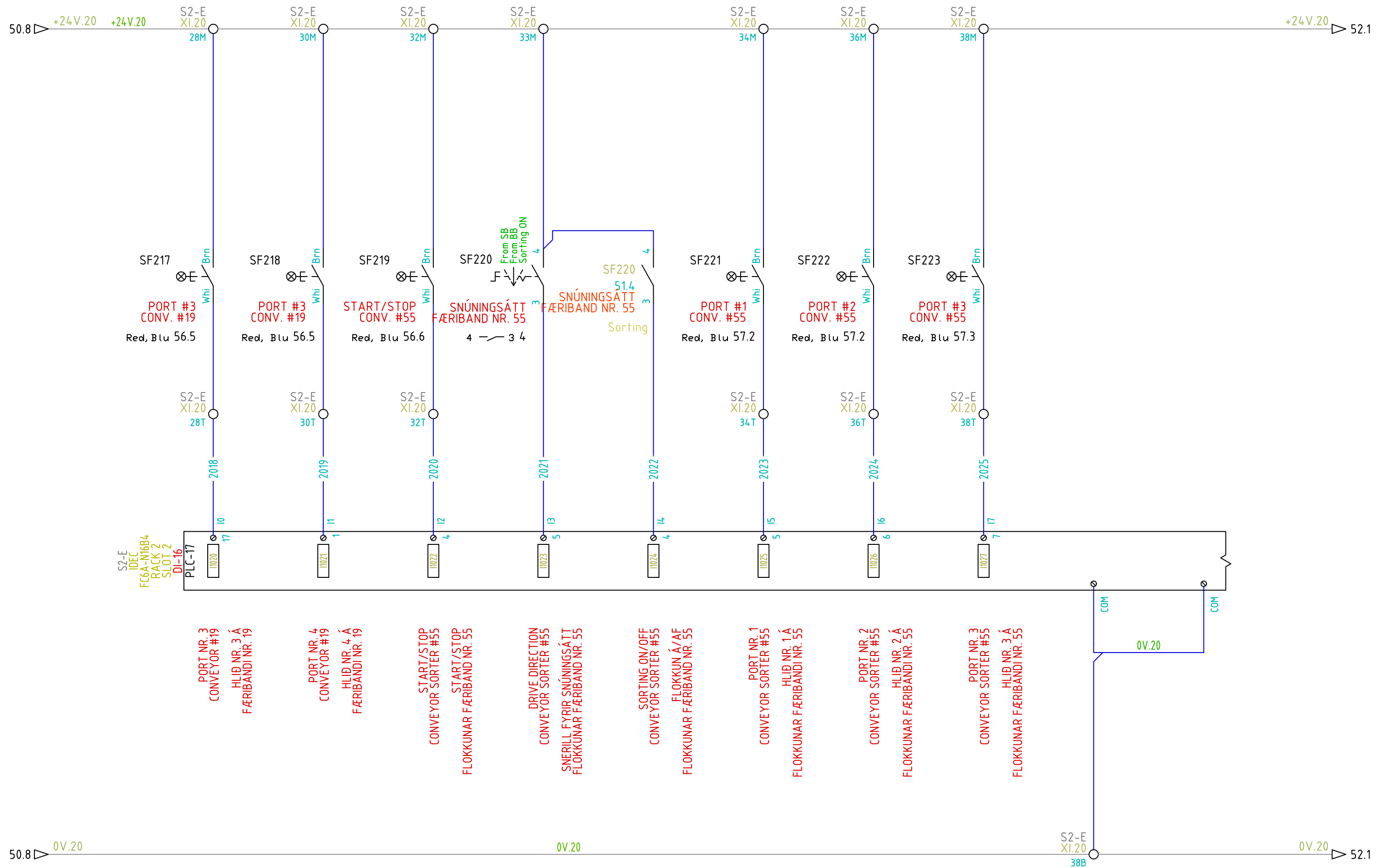
FILENAME: 173 S2-E_PLC input.dwg

LOCATION: S2-E

INSTALLATION:

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27	SHEET	50
Chec.						OF	131
DRAWING NO:		R-4032106					
Drawing Type:		Electrical				A3	



FILENAME: 174 S2-E_PLC input.dwg

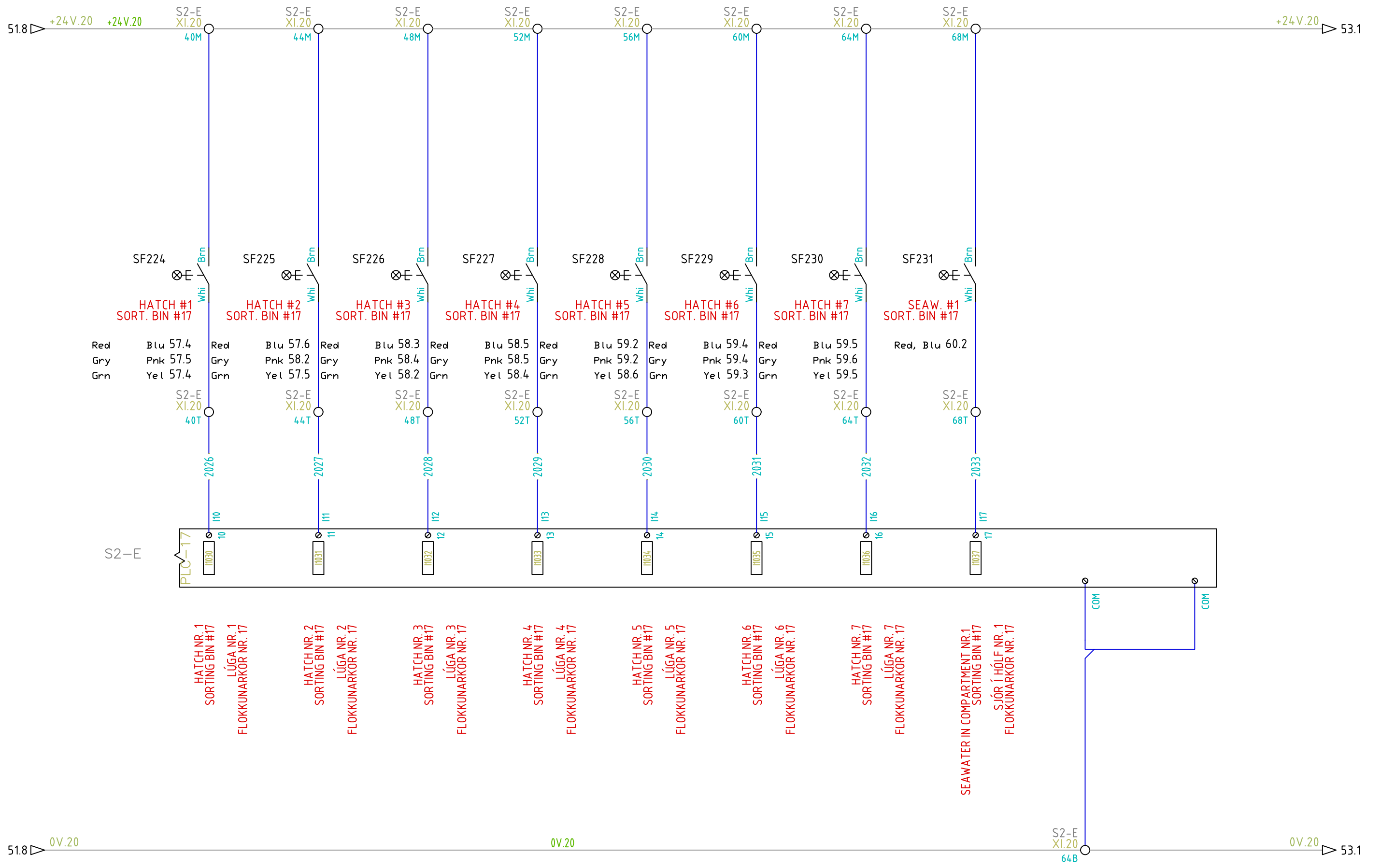
Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Input in Rack 2, Slot 2

LOCATION: S2-E

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	51
0	First Review	25.9.2020	PSH				OF
DRAWING NO: R-4032107							131
Drawing Type: Electrical							A3



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Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Input in Rack 2, Slot 2

FILENAME: 175 S2-E_PLC input.dwg

LOCATION: S2-E

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	52
0	First Review	25.9.2020	PSH				
				DRAWING NO: R-4032108			
				Drawing Type: Electrical			A3



Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Input in Rack 2, Slot 3

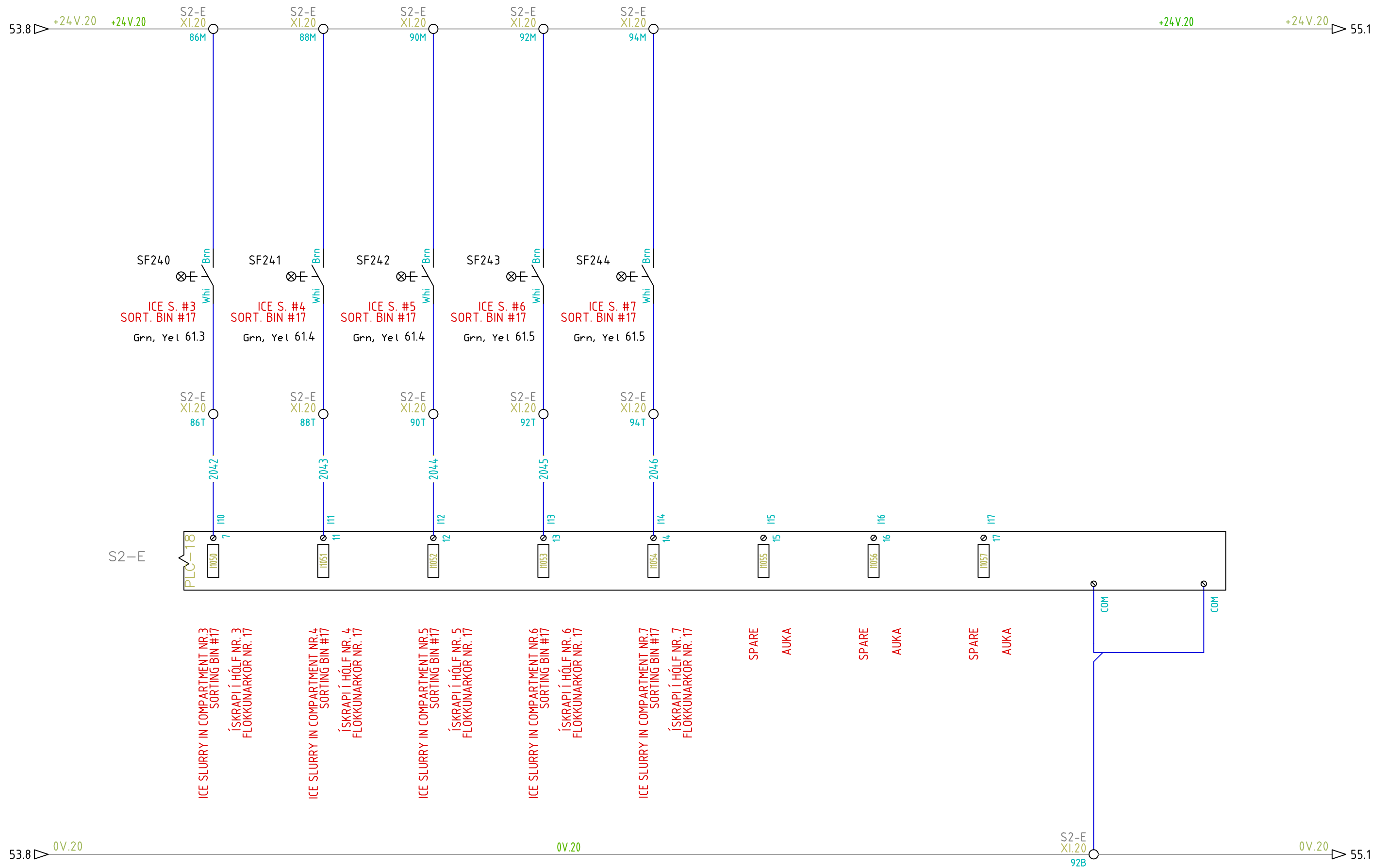
FILENAME: 176 S2-E_PLC input.dwg

LOCATION: S2-E

INSTALLATION:

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27	SHEET	53
Chec.						OF	131
DRAWING NO:				R-4032109			
Drawing Type:				Electrical			
				A3			

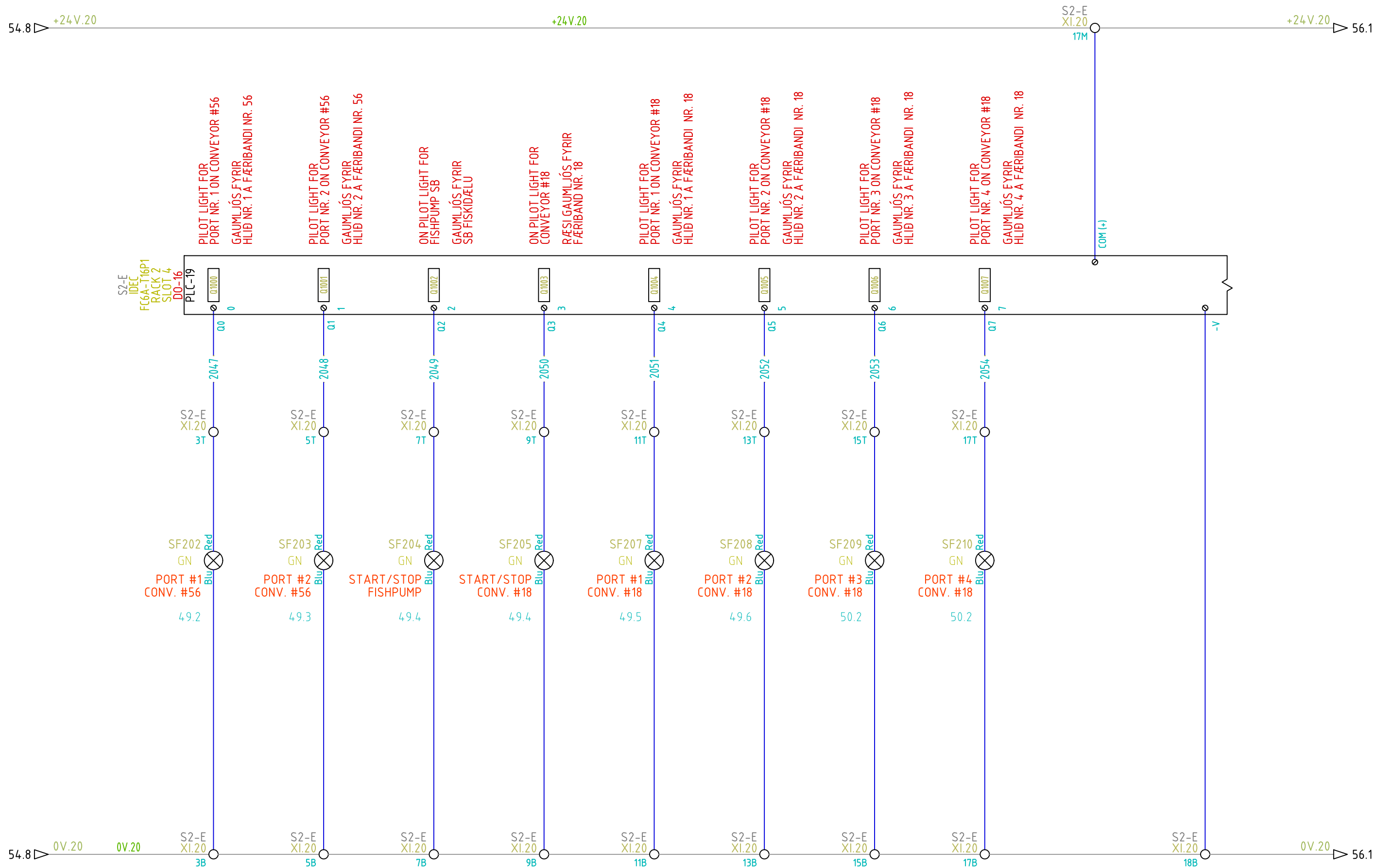


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Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Input in Rack 2, Slot 3

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	54
0	First Review	25.9.2020	PSH				
				DRAWING NO: R-4032110			
				Drawing Type: Electrical			A3



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Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Output in Rack 2, Slot 4

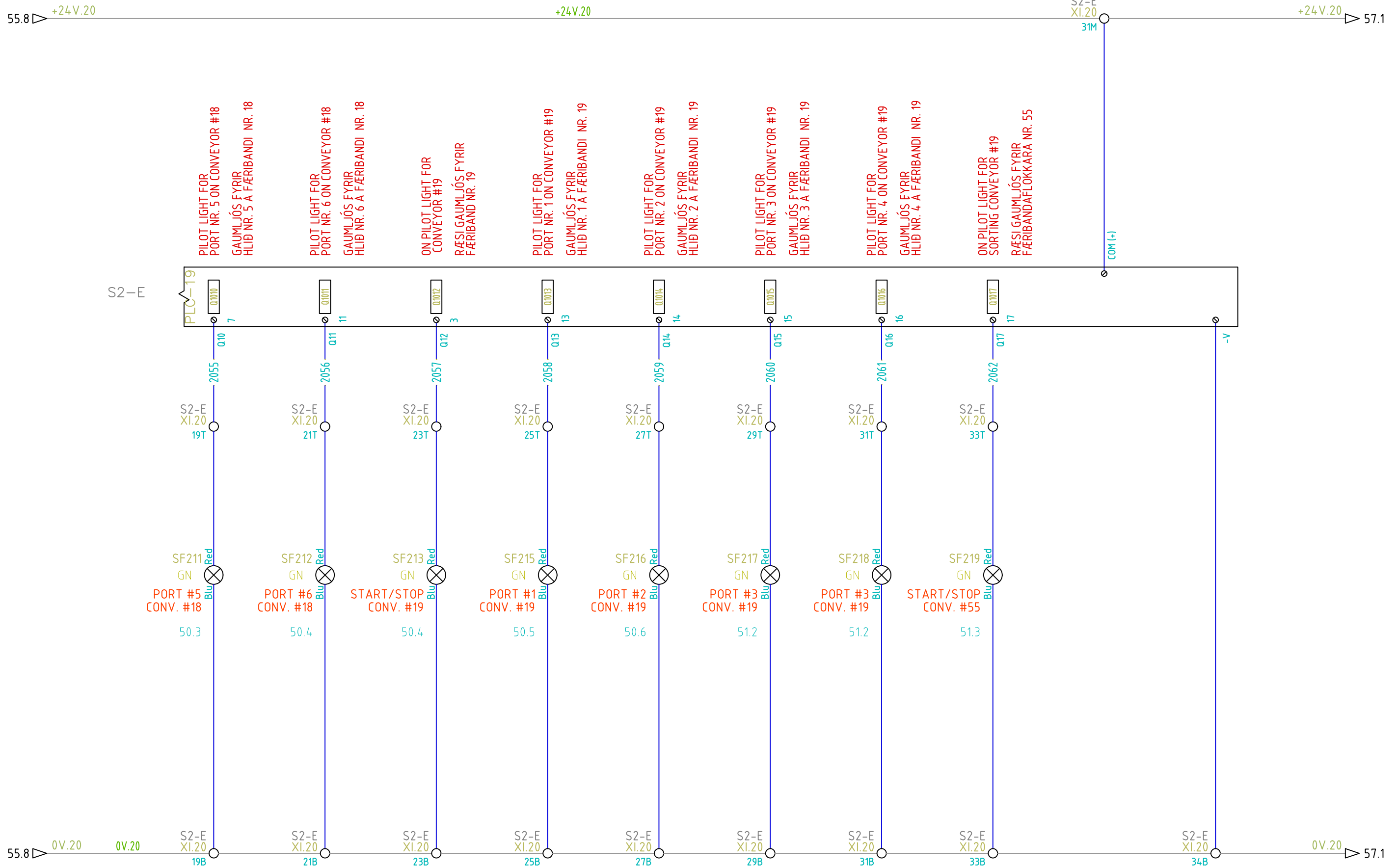
FILENAME: 178 S2-E_PLC output.dwg

LOCATION: S2-E

INSTALLATION:

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27	SHEET	55
Chec.						OF	131
DRAWING NO:				R-4032111			
Drawing Type:				Electrical			
				A3			



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Control Panel S2-E
PLC connection
Output in Rack 2, Slot 4

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

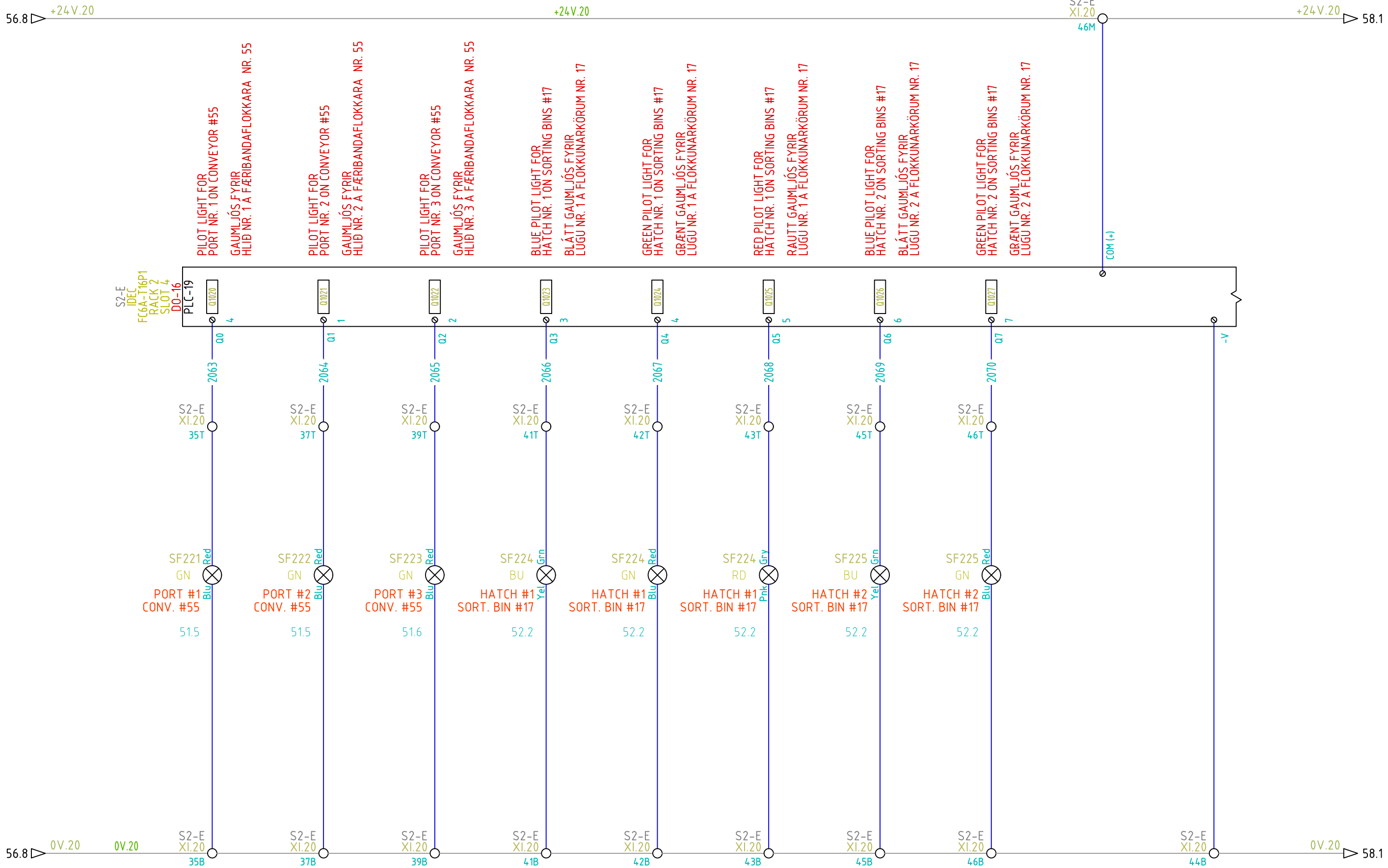
DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	56
DRAWING NO: R-4032112			OF 131
			A3

FILENAME: 179 S2-E_PLC output.dwg

LOCATION: S2-E

INSTALLATION:

Drawing Type: Electrical



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Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Output in Rack 2, Slot 5

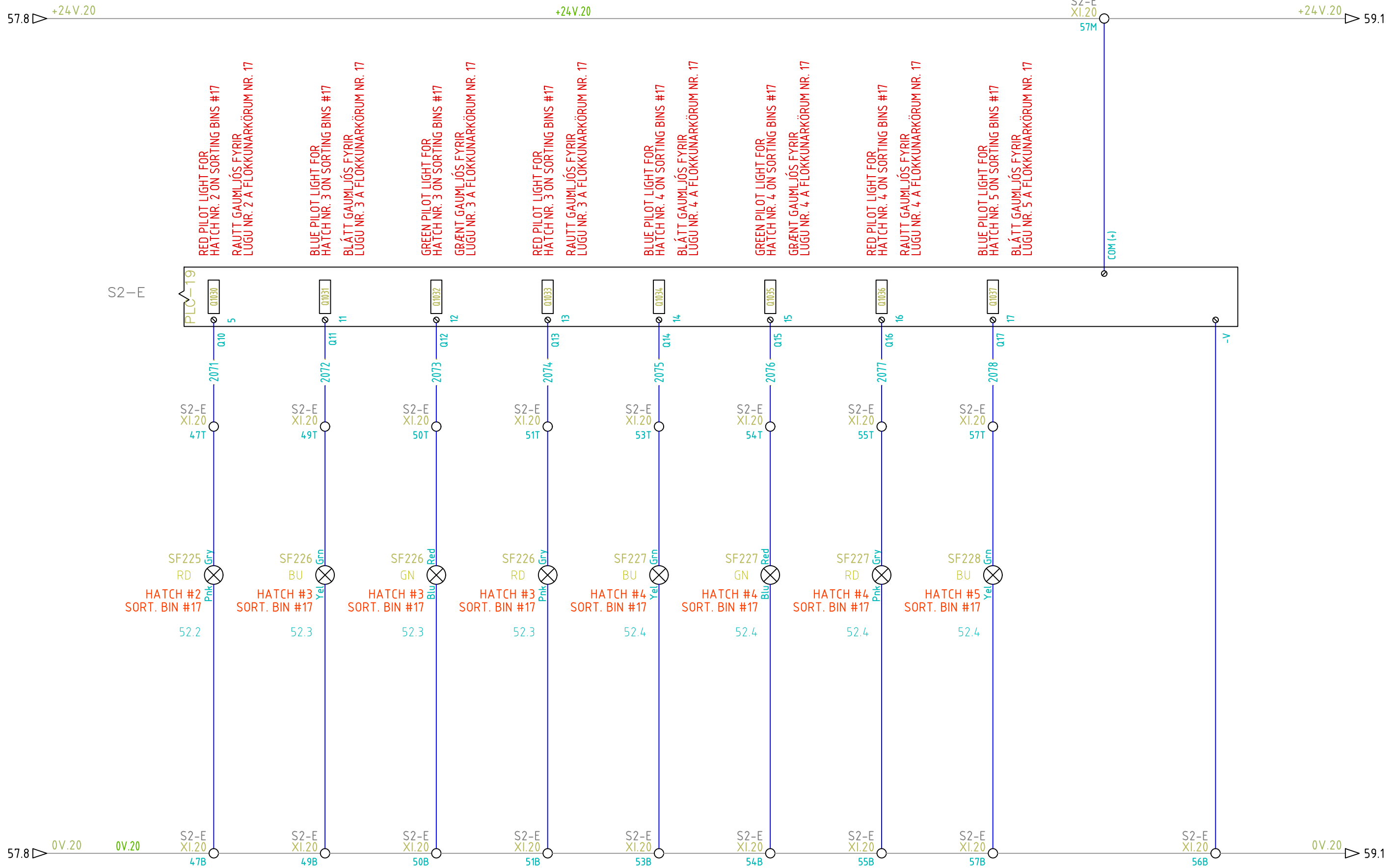
REV	Comments	Date	By	Drawing Type:	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	Electrical	BN-27	57
0	First Review	25.9.2020	PSH			OF
					DRAWING NO:	131
					R-4032113	A3

FILENAME: 180 S2-E_PLC output.dwg

LOCATION: S2-E

INSTALLATION:

Drawing Type: Electrical



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Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Output in Rack 2, Slot 5

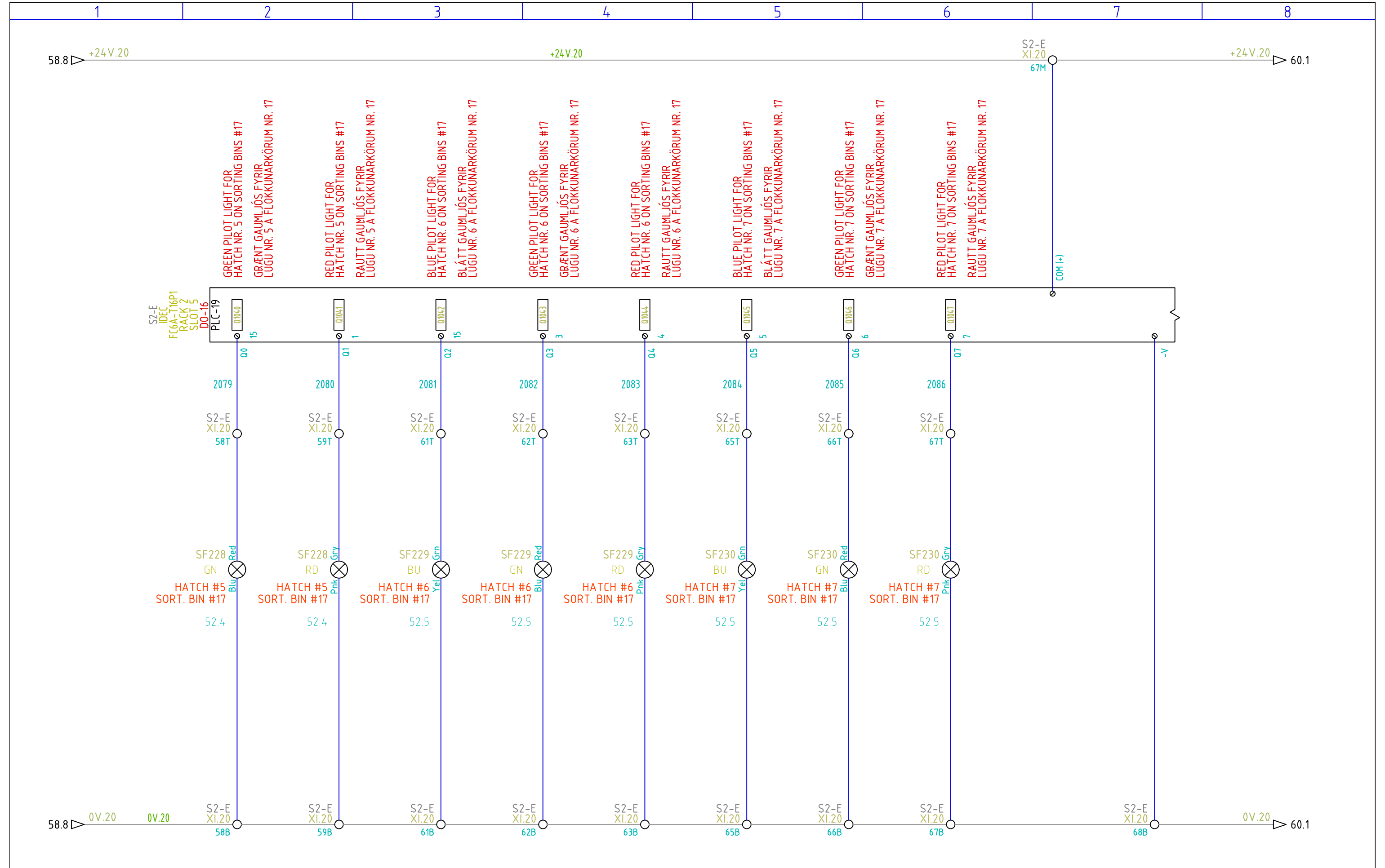
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	58
DRAWING NO: R-4032114			OF 131
DRAWING Type: Electrical			A3

FILENAME: 181 S2-E_PLC output.dwg

LOCATION: S2-E

INSTALLATION:



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Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Output in Rack 2, Slot 6

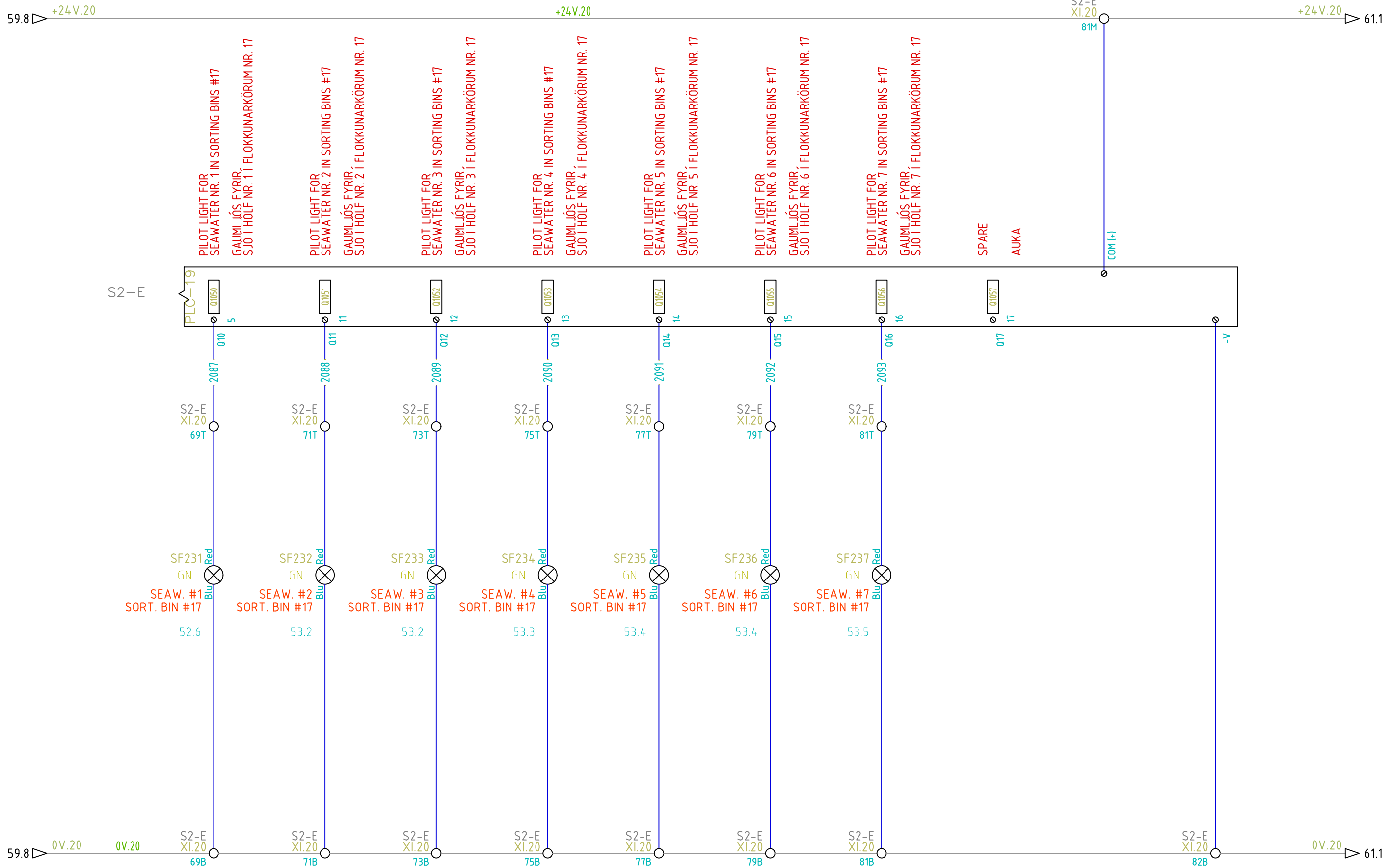
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
Edit 20.08.20	PSH	BN-27	59
DRAWING NO: R-4032115			OF 131
DRAWING Type: Electrical			A3

FILENAME: 182 S2-E_PLC output.dwg

LOCATION: S2-E

INSTALLATION:



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Baldvin Njalsson GK: Processing plant
Control Panel S2-E
PLC connection
Output in Rack 2, Slot 6

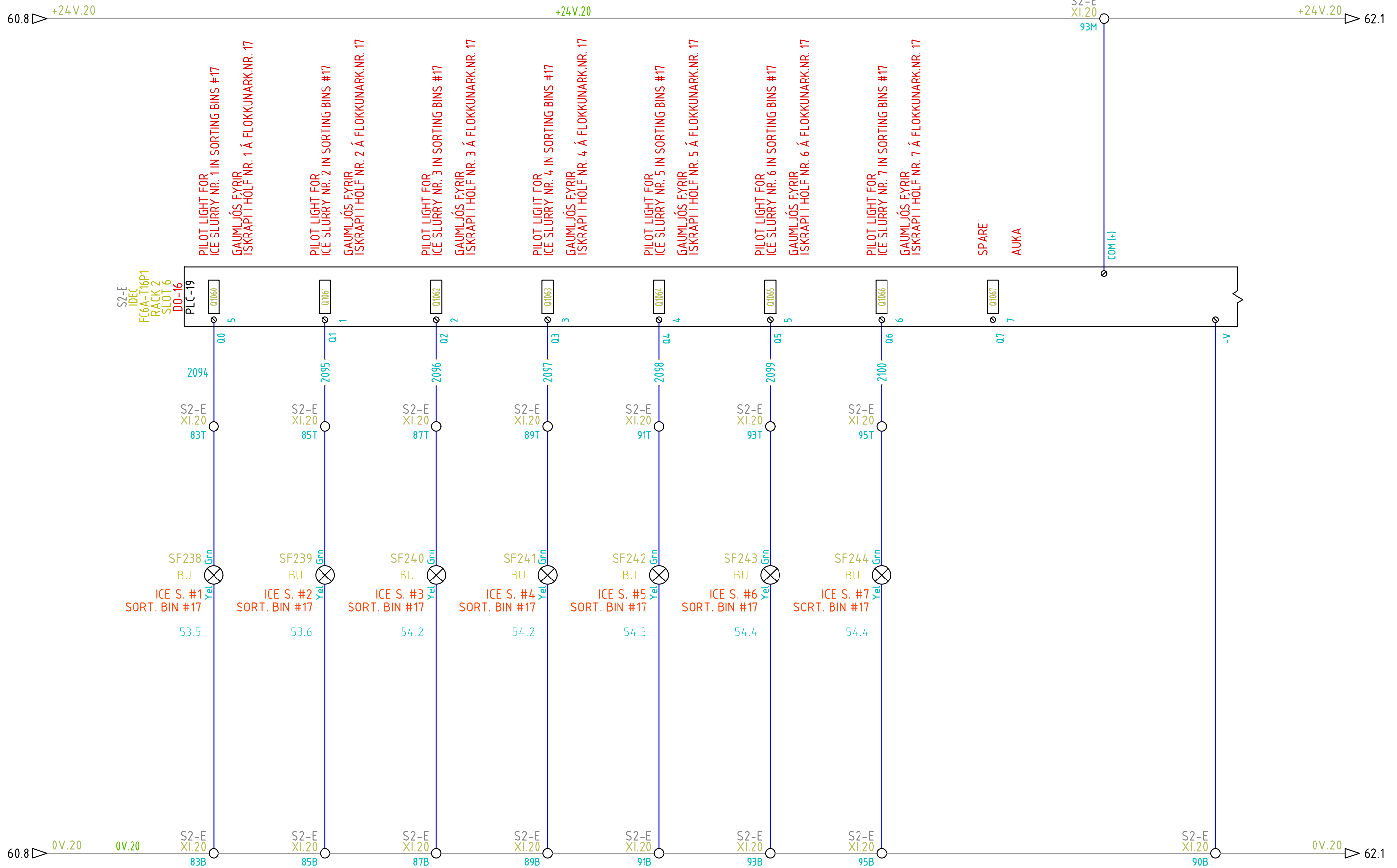
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	60
DRAWING NO: R-4032116			OF 131
			A3

FILENAME: 183 S2-E_PLC output.dwg

LOCATION: S2-E

INSTALLATION:



Baldvin Njalsson GK: Processing plant
Control Panel S2-E
PLC connection
Output in Rack 2, Slot 7

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	61
DRAWING NO: R-4032117			OF 131
DRAWING Type: Electrical			A3

FILENAME: 184 S2-E_PLC output.dwg

LOCATION: S2-E

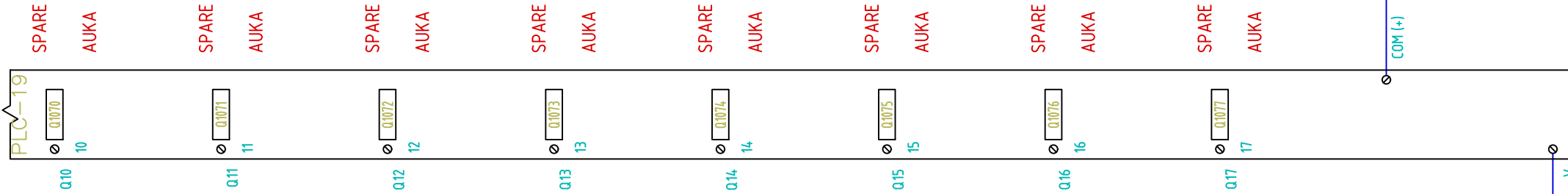
INSTALLATION:

61.8 ▷ +24V.20

+24V.20

S2-E
XI.20
95M

S2-E



61.8 ▷ 0V.20

0V.20

S2-E
XI.20
94B



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Baldvin Njalsson GK: Processing plant

Control Panel S2-E
PLC connection
Output in Rack 2, Slot 7

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	62
DRAWING NO:			OF
R-4032118			135
DRAWING Type:			A3

FILENAME: 185 S2-E_PLC output.dwg

LOCATION: S2-E

INSTALLATION:

1

2

3

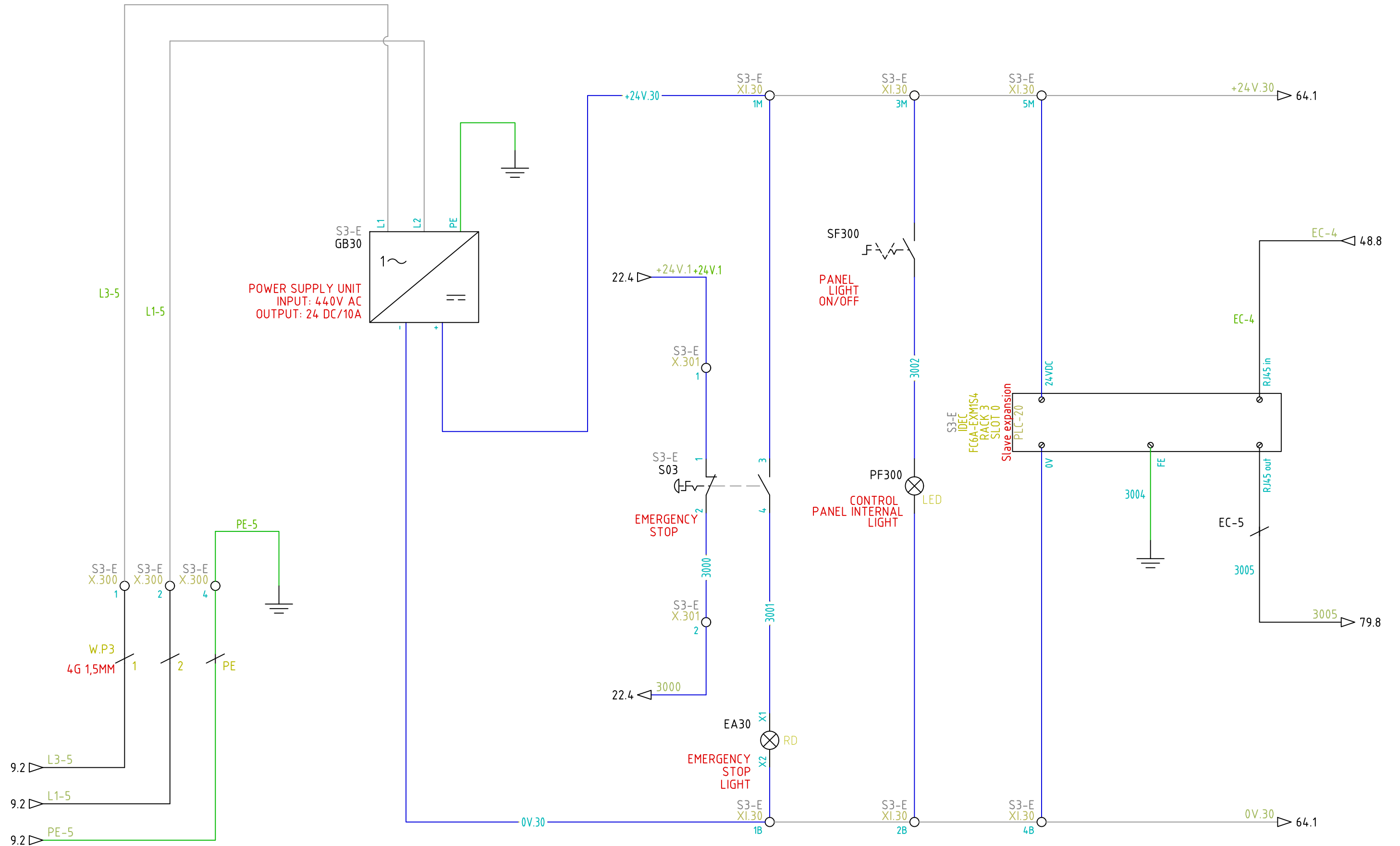
4

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Baldvin Njalsson GK: Processing plant

Control Panel S3-E
 Power Circuit
 24V DC

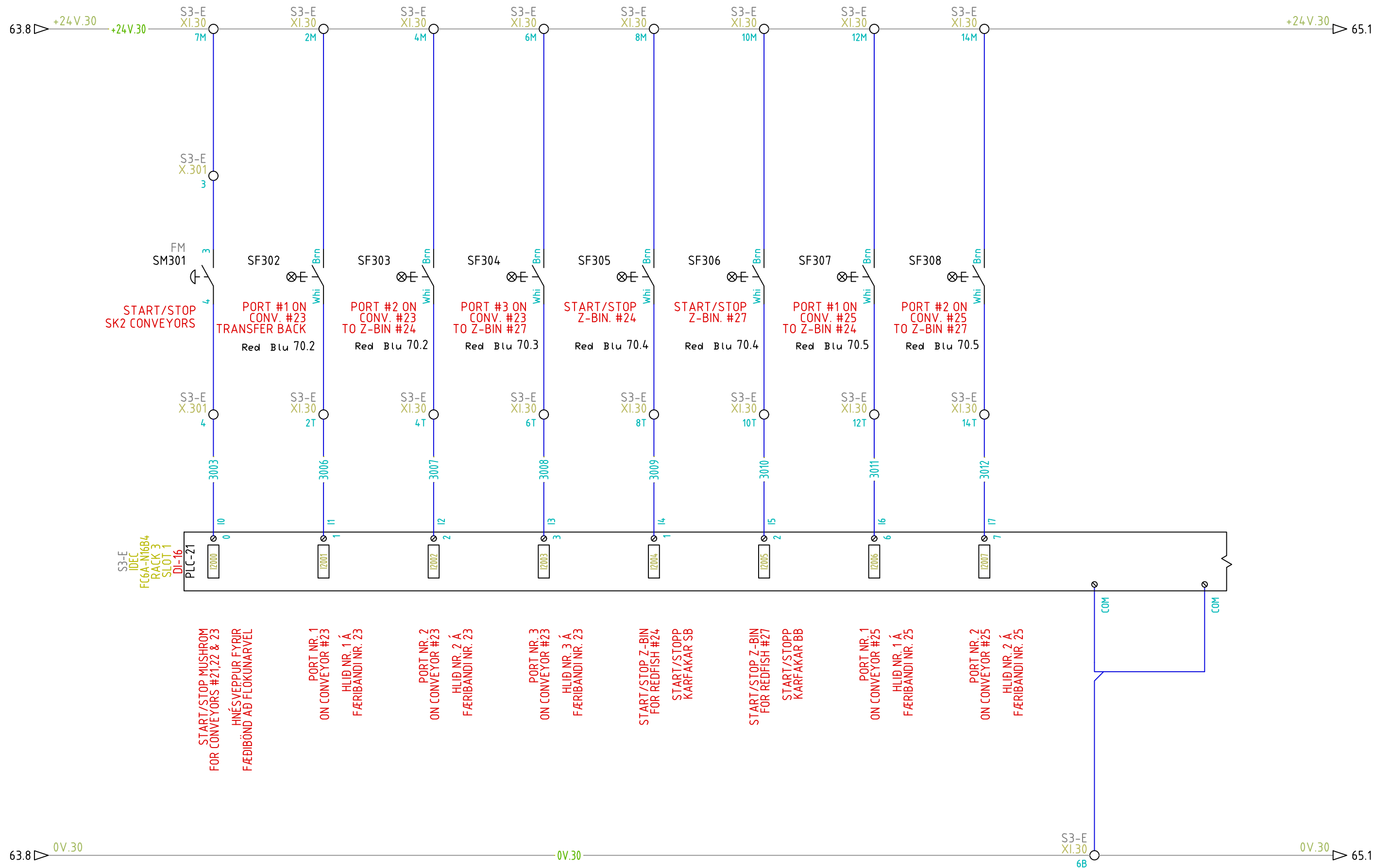
FILENAME: 190 S3-E Power circuit.dwg

LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27	SHEET	63
Chec.						OF	135
DRAWING NO:				R-4032119			
Drawing Type:				Electrical			
				A3			



Baldvin Njalsson GK: Processing plant

Control Panel S3-E
PLC connection
Input in Rack 3, Slot 1

FILENAME: 191 S3-E_PLC input.dwg

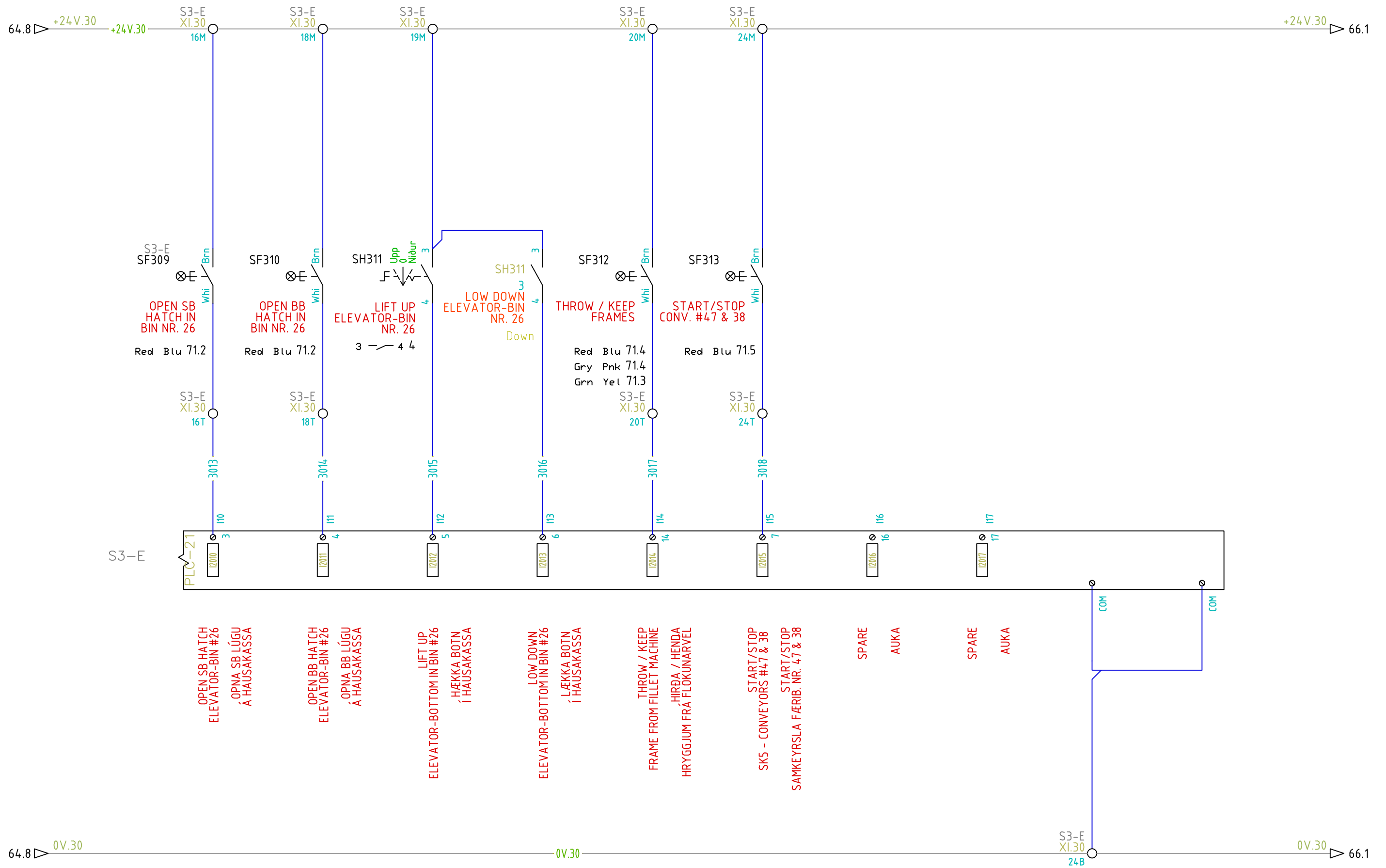
LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By
1	Cable summary	22.1.2021	IPSH
0	First Review	25.9.2020	PSH

DATE	NAME	PRJ NO:
20.08.20	PSH	BN-27
DRAWING NO: R-4032120		
Drawing Type: Electrical		

SHEET 64
OF 135
A3



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Baldvin Njalsson GK: Processing plant

Control Panel S3-E
PLC connection
Input in Rack 3, Slot 1

FILENAME: 192_S3-E_PLC_input.dwg

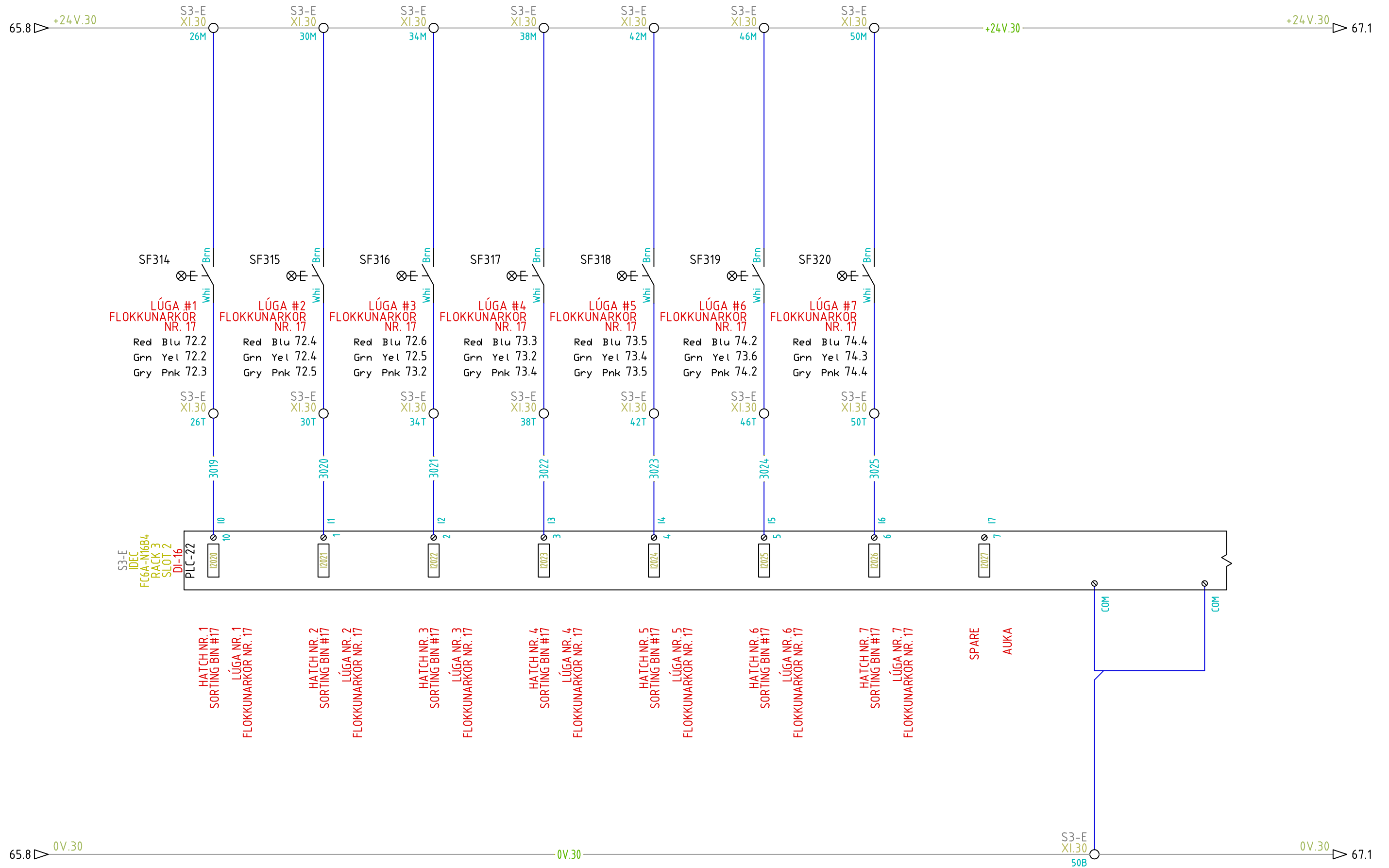
LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By
1	Cable summary	22.1.2021	IPSH
0	First Review	25.9.2020	PSH

DATE	NAME	PRJ NO:
Edit 20.08.20	PSH	BN-27
DRAWING NO: R-4032120		
Drawing Type: Electrical		

SHEET 65
OF 135
A3



FILENAME: 193 S3-E_PLC input.dwg

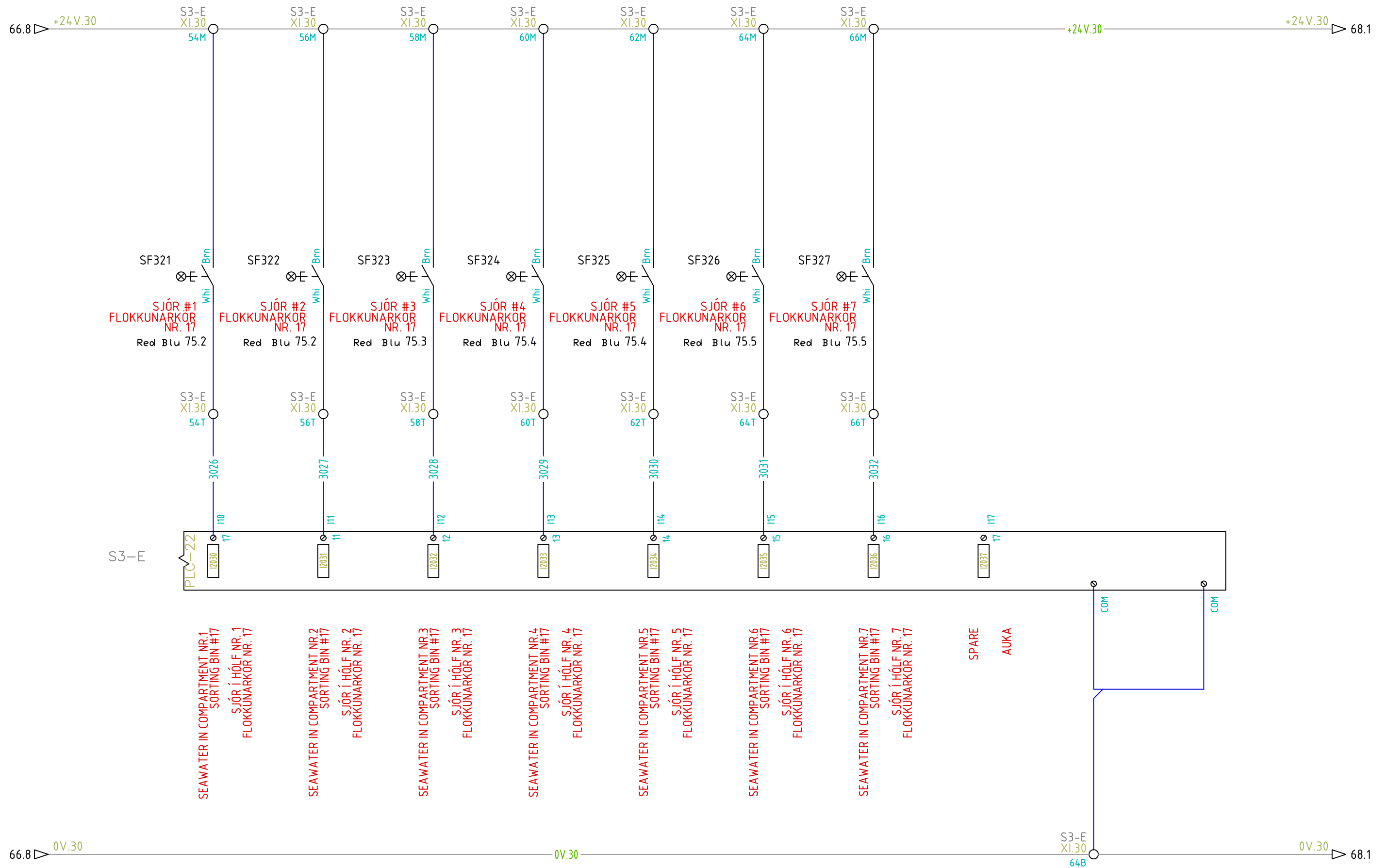
Baldvin Njalsson GK: Processing plant

Control Panel S3-E
PLC connection
Input in Rack 3, Slot 2

LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	66
0	First Review	25.9.2020	PSH				OF
				DRAWING NO: R-4032121			135
				Drawing Type: Electrical			A3



Baldvin Njalsson GK: Processing plant

Control Panel S3-E
PLC connection
Input in Rack 3, Slot 2

FILENAME: 194 S3-E_PLC input.dwg

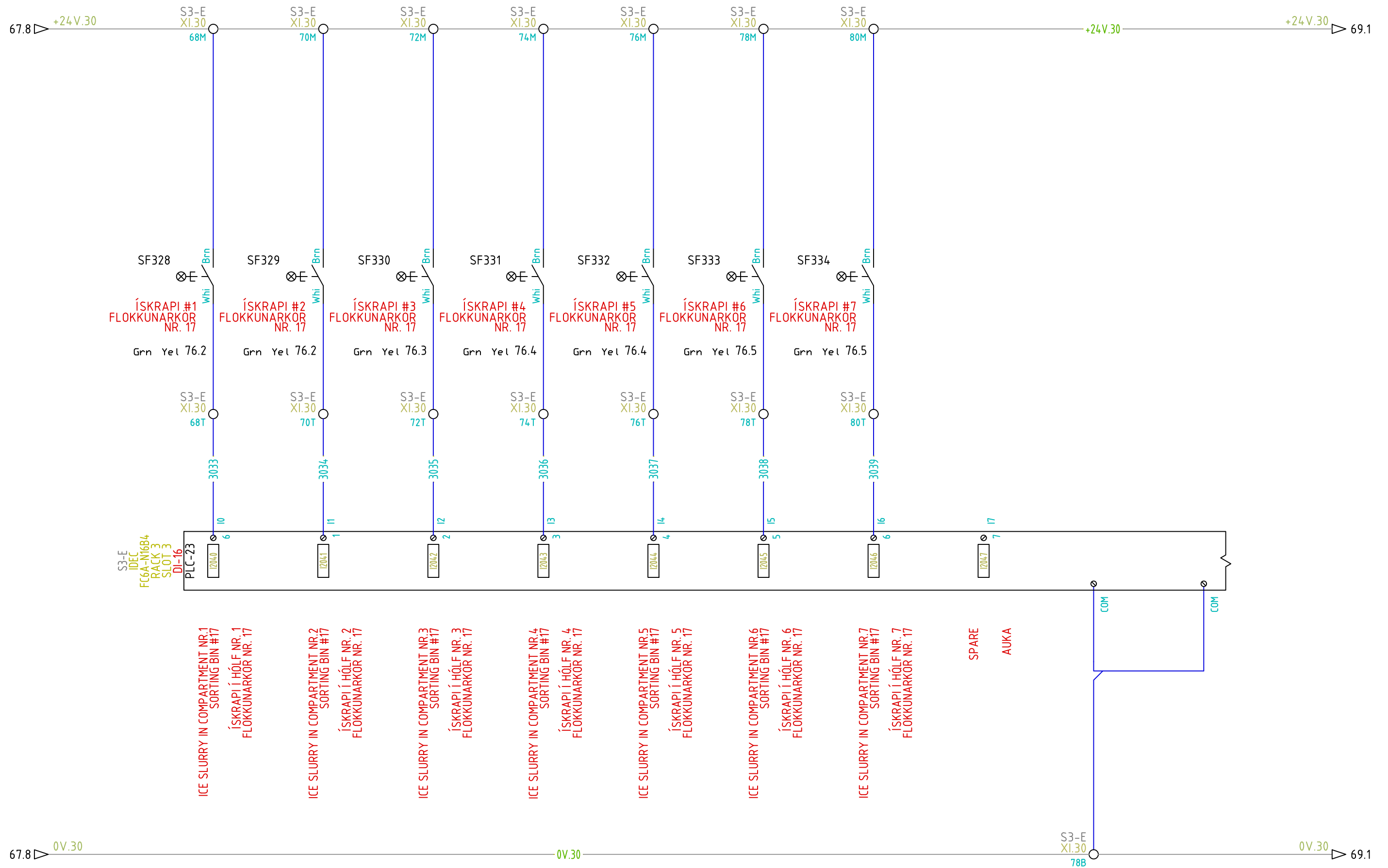
LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By
1	Cable summary	22.1.2021	PSH
0	First Review	25.9.2020	PSH

DATE	NAME	PRJ NO:
20.08.20	PSH	BN-27
DRAWING NO: R-4032122		
Drawing Type: Electrical		

SHEET	OF	A3
67	135	A3



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Baldvin Njalsson GK: Processing plant

Control Panel S3-E
PLC connection
Input in Rack 3, Slot 3

FILENAME: 195 S3-E_PLC input.dwg

LOCATION: S3-E

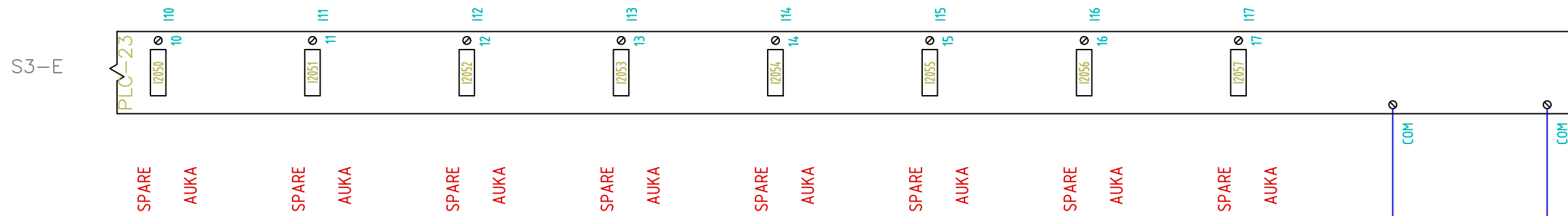
INSTALLATION:

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	68
			OF
			135
			A3

DRAWING NO: R-4032123

68.8 ▷ +24V.30 +24V.30 ▷ 70.1



68.8 ▷ 0V.30 0V.30 ▷ 70.1



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Baldvin Njalsson GK: Processing plant

Control Panel S3-E
PLC connection
Input in Rack 3, Slot 3

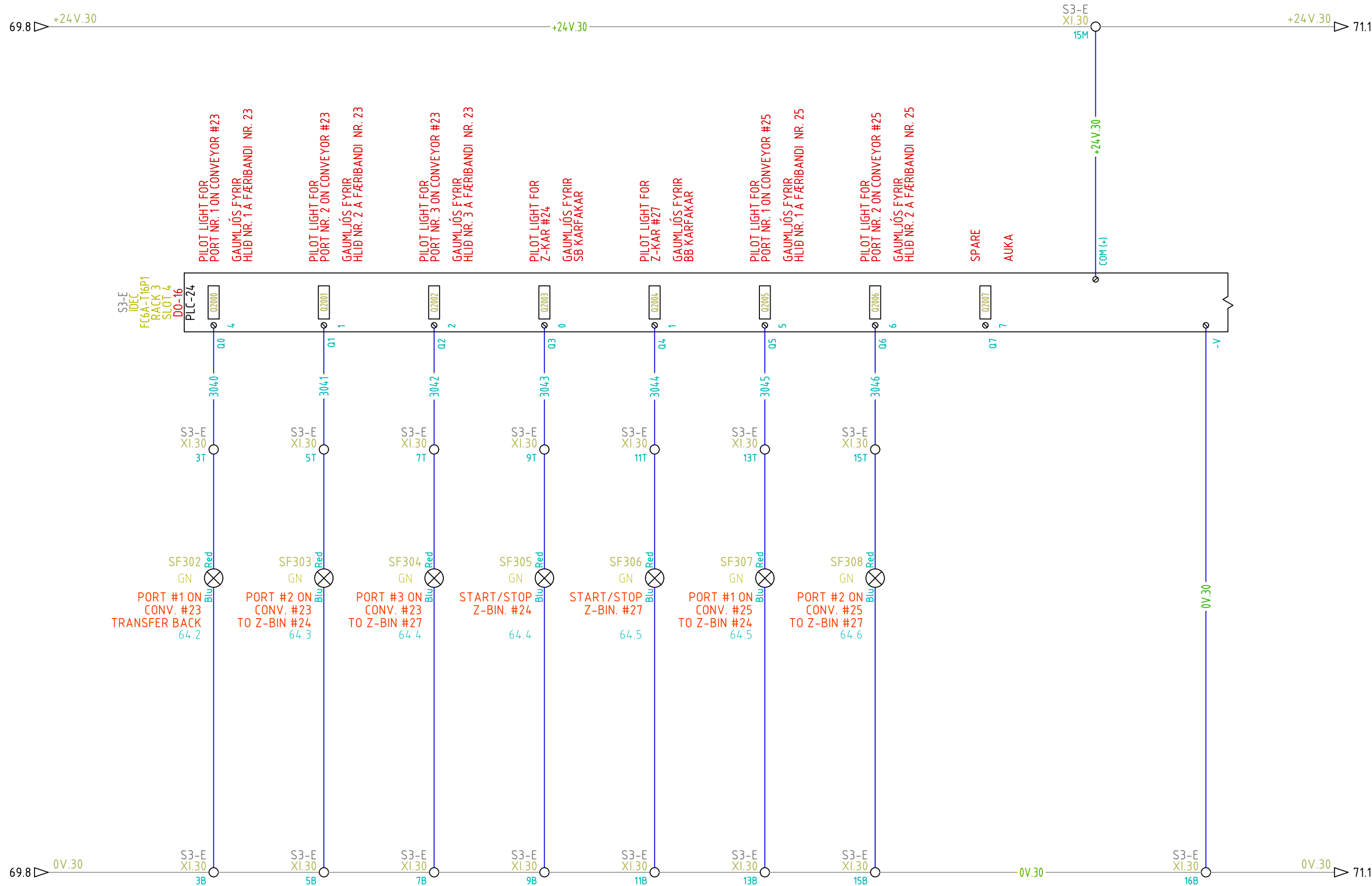
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27	SHEET	69
Chec.				DRAWING NO:	R-4032124	OF	135
				Drawing Type:	Electrical		A3

FILENAME: 196 S3-E_PLC input.dwg

LOCATION: S3-E

INSTALLATION:



Baldvin Njalsson GK: Processing plant

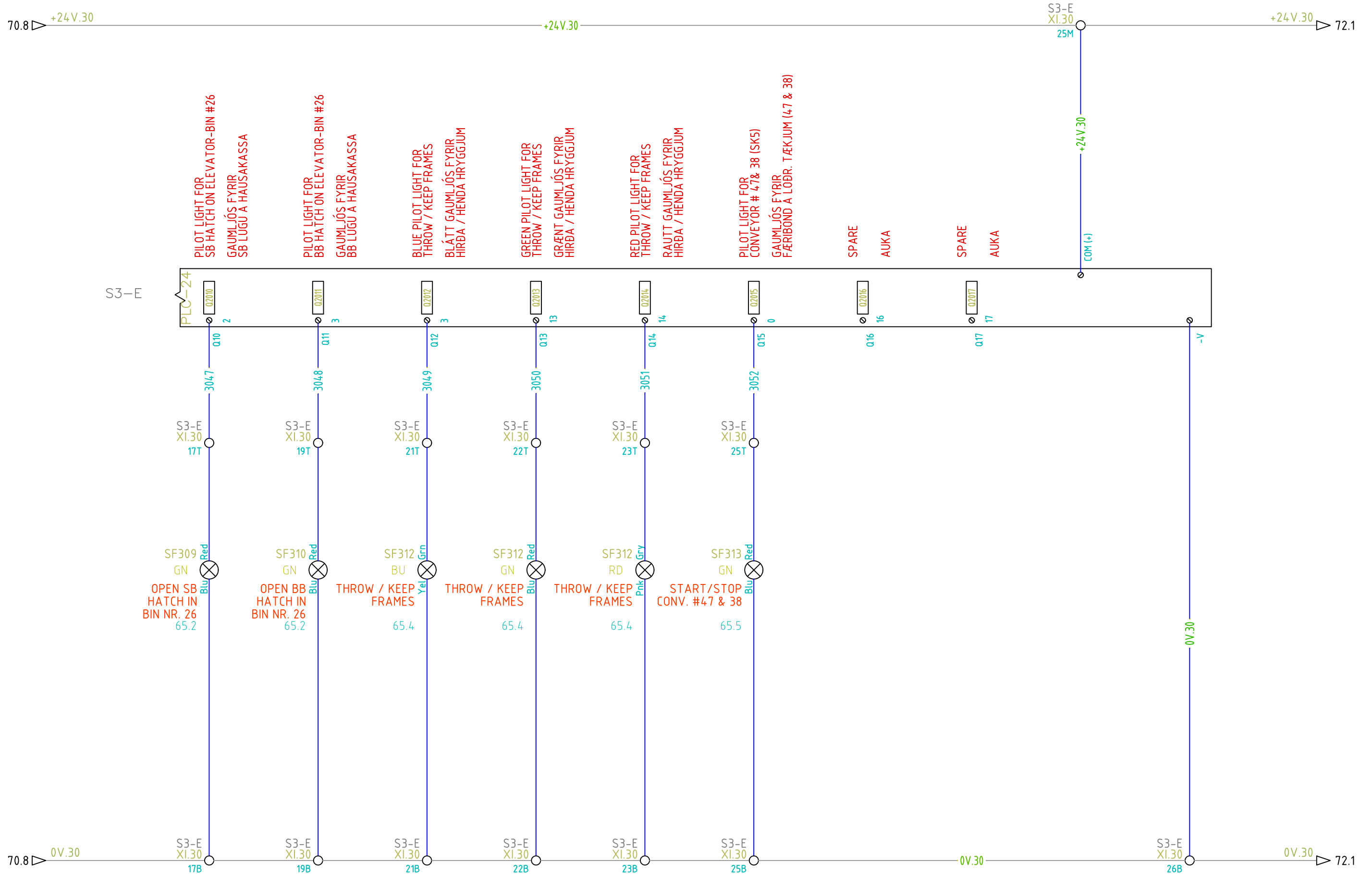
Control Panel S3-E
PLC connection
Output in Rack 3, Slot 4

FILENAME: 197 S3-E_PLC output.dwg

LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH	DRAWING NO: R-4032125	PRJ NO: BN-27
0	First Review	25.9.2020	PSH		
				DATE	20.08.20
				NAME	PSH
				PRJ NO:	BN-27
				SHEET	70
				OF	135
				A3	



FILENAME: 198 S3-E_PLC output.dwg

Baldvin Njalsson GK: Processing plant

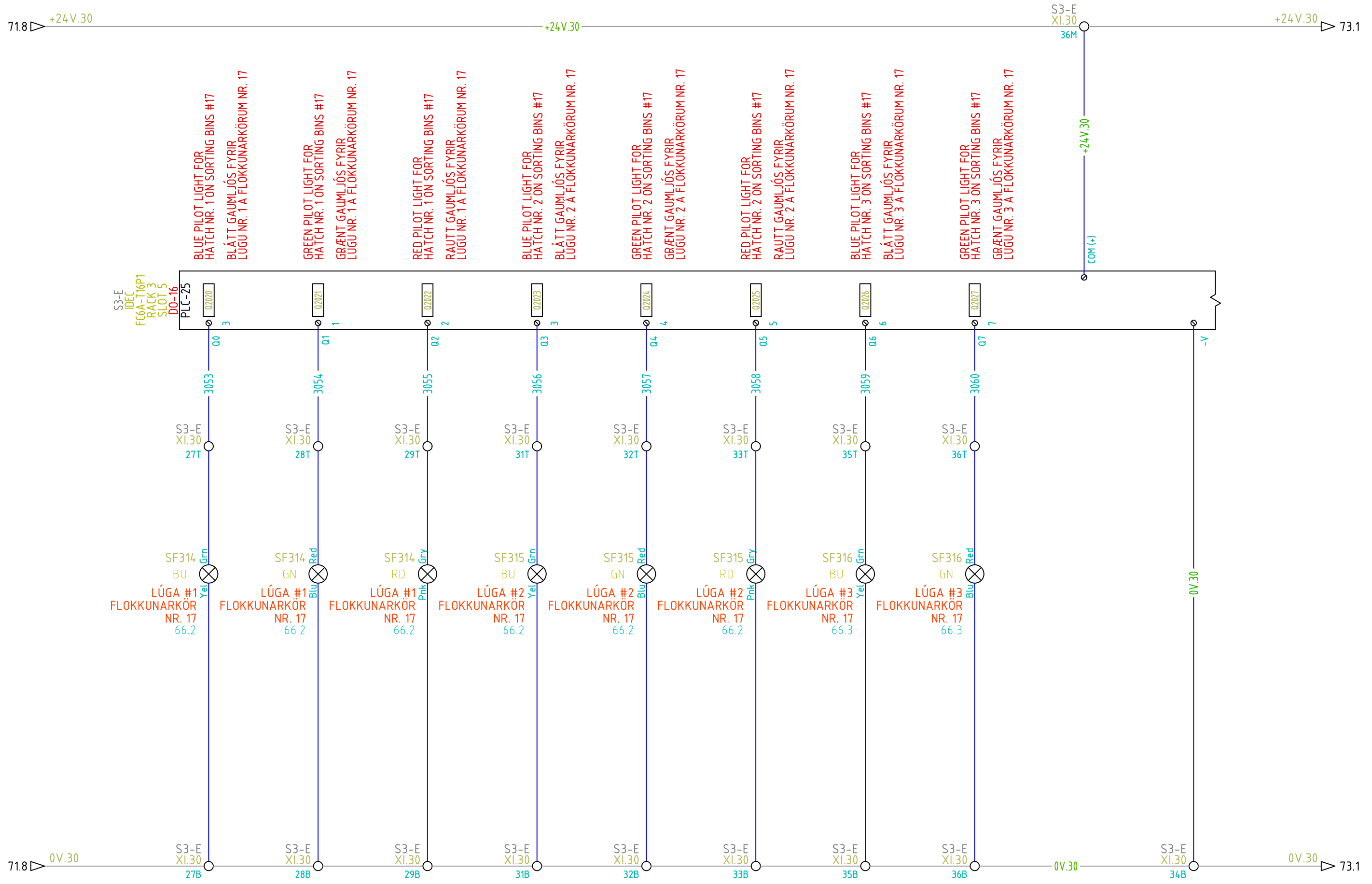
Control Panel S3-E
PLC connection
Output in Rack 3, Slot 4

LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27	SHEET	71
Chec.						OF	135
DRAWING NO:				R-4032126			
Drawing Type:				Electrical			
				A3			



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Baldvin Njalsson GK: Processing plant

Control Panel S3-E
PLC connection
Output in Rack 3, Slot 5

FILENAME: 199 S3-E_PLC output.dwg

LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By
1	Cable summary	22.1.2021	IPSH
0	First Review	25.9.2020	PSH

DATE	NAME	PRJ NO:
20.08.20	PSH	BN-27
DRAWING NO: R-4032127		
Drawing Type: Electrical		

SHEET	OF	A3
72	135	



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Baldvin Njalsson GK: Processing plant

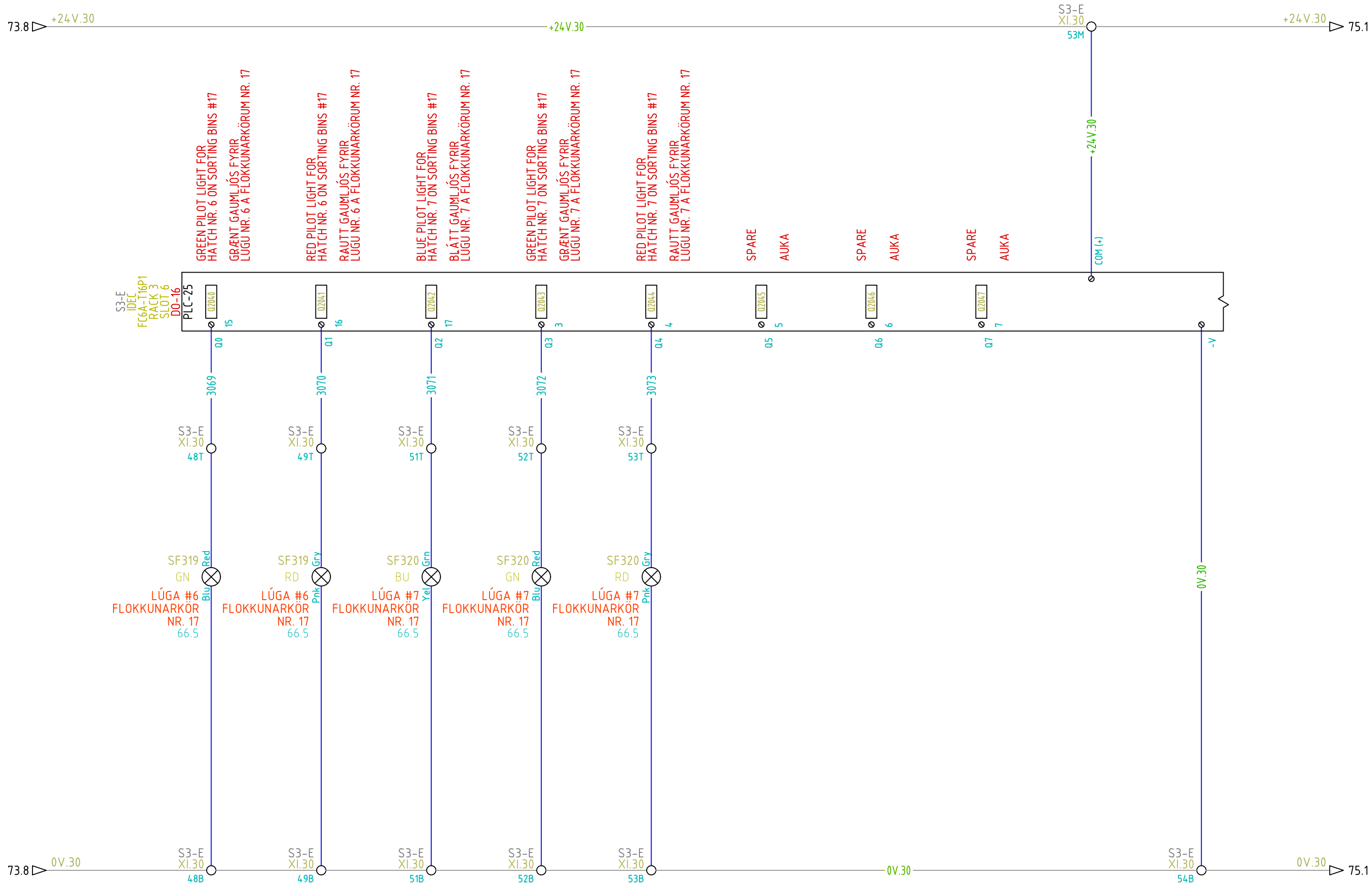
Control Panel S3-E
PLC connection
Output in Rack 3, Slot 5

FILENAME: 200 S3-E_PLC_output.dwg

LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	73
0	First Review	25.9.2020	PSH				OF
DRAWING NO: R-4032127							135
Drawing Type: Electrical							A3



Baldvin Njalsson GK: Processing plant

Control Panel S3-E
PLC connection
Output in Rack 3, Slot 6

FILENAME: 201 S3-E_PLC output.dwg

LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	74
0	First Review	25.9.2020	PSH				OF
						R-4032128	135
						Drawing Type: Electrical	A3



Baldvin Njalsson GK: Processing plant

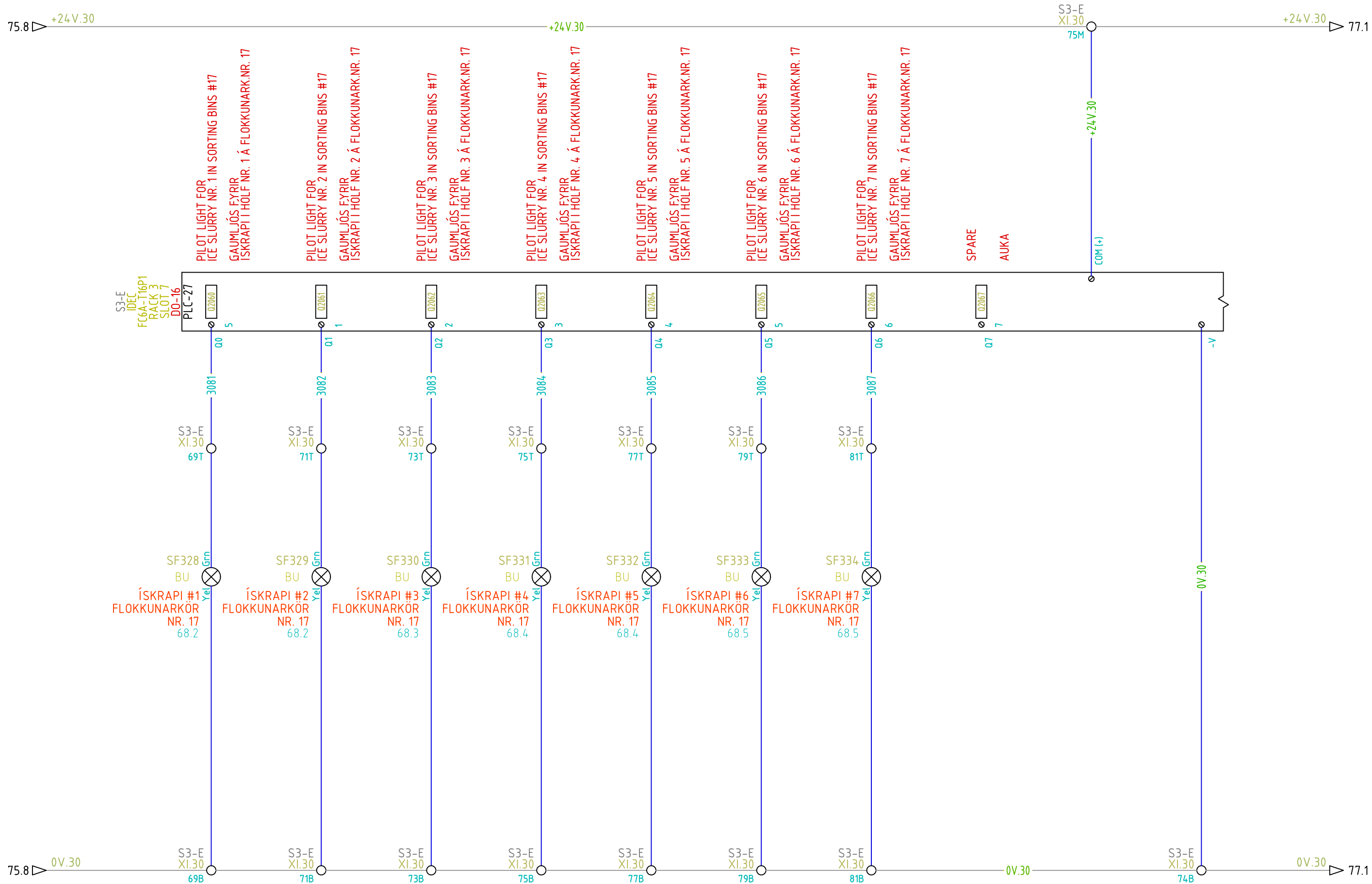
Control Panel S3-E
PLC connection
Output in Rack 3, Slot 6

FILENAME: 202_S3-E_PLC_output.dwg

LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	75
0	First Review	25.9.2020	PSH				
				DRAWING NO: R-4032129			135
				Drawing Type: Electrical			A3



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Baldvin Njalsson GK: Processing plant

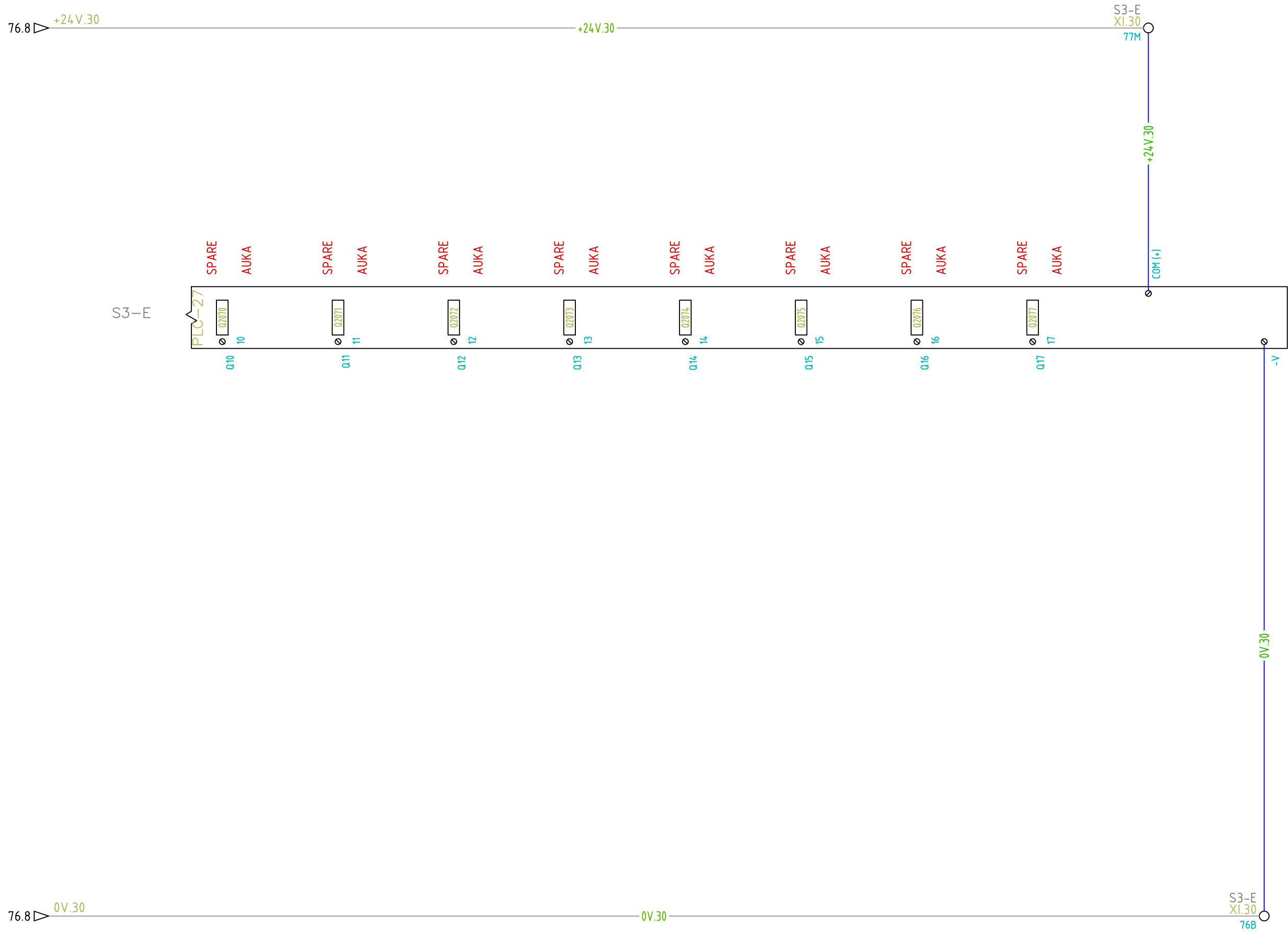
Control Panel S3-E
PLC connection
Output in Rack 3, Slot 7

FILENAME: 203 S3-E_PLC output.dwg

LOCATION: S3-E

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	76
0	First Review	25.9.2020	PSH				
				DRAWING NO: R-4032130			135
				Drawing Type: Electrical			A3



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Baldvin Njalsson GK: Processing plant

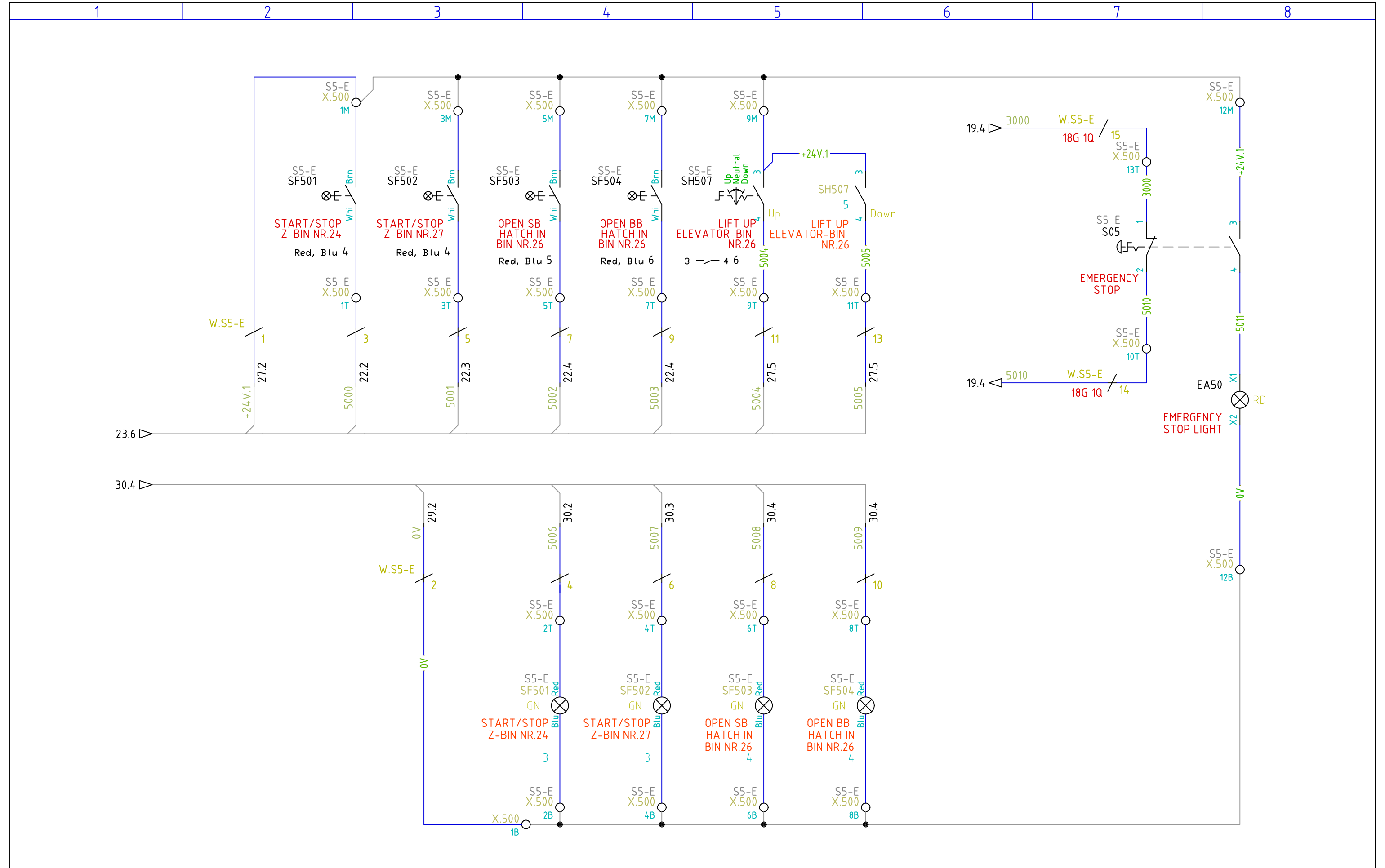
Control Panel S3-E
 PLC connection
 Output in Rack 3, Slot 7

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	77
0	First Review	25.9.2020	PSH				OF
DRAWING NO: R-4032131							141
Drawing Type: Electrical							A3

FILENAME: 204 S3-E_PLC output.dwg

LOCATION: S3-E

INSTALLATION:



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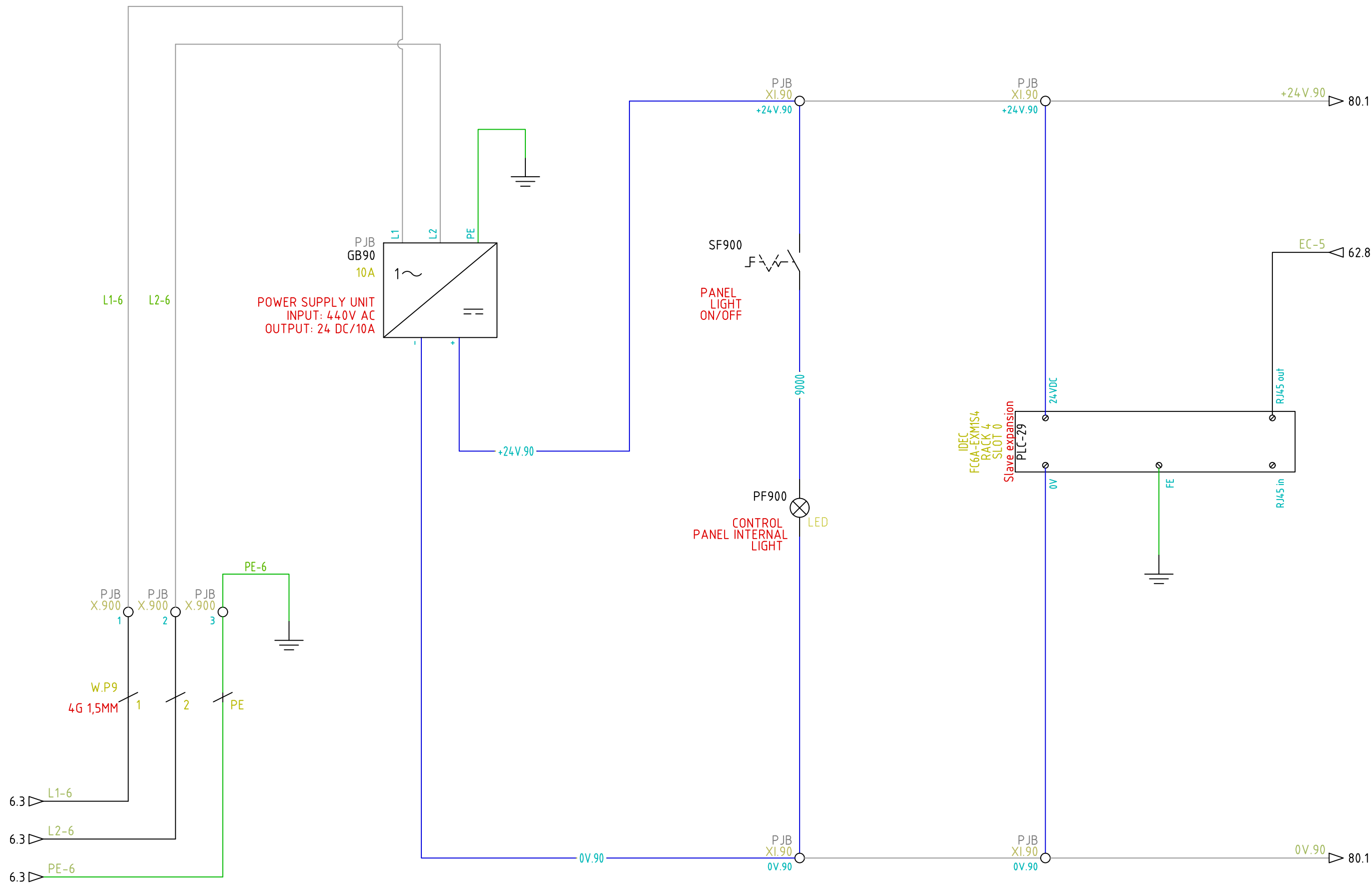
Baldvin Njalsson GK: Processing plant
Control Panel S5-E
Schematics
24C DC

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	78
Chec.			OF
			131
1	Cable summary	22.1.2021	PSH
0	First Review	25.9.2020	PSH
DRAWING NO:		R-4442001	
REV	Comments	Date	By
Drawing Type: Electrical			A3

FILENAME: 209 S5-E.dwg

LOCATION: S1-E

INSTALLATION:

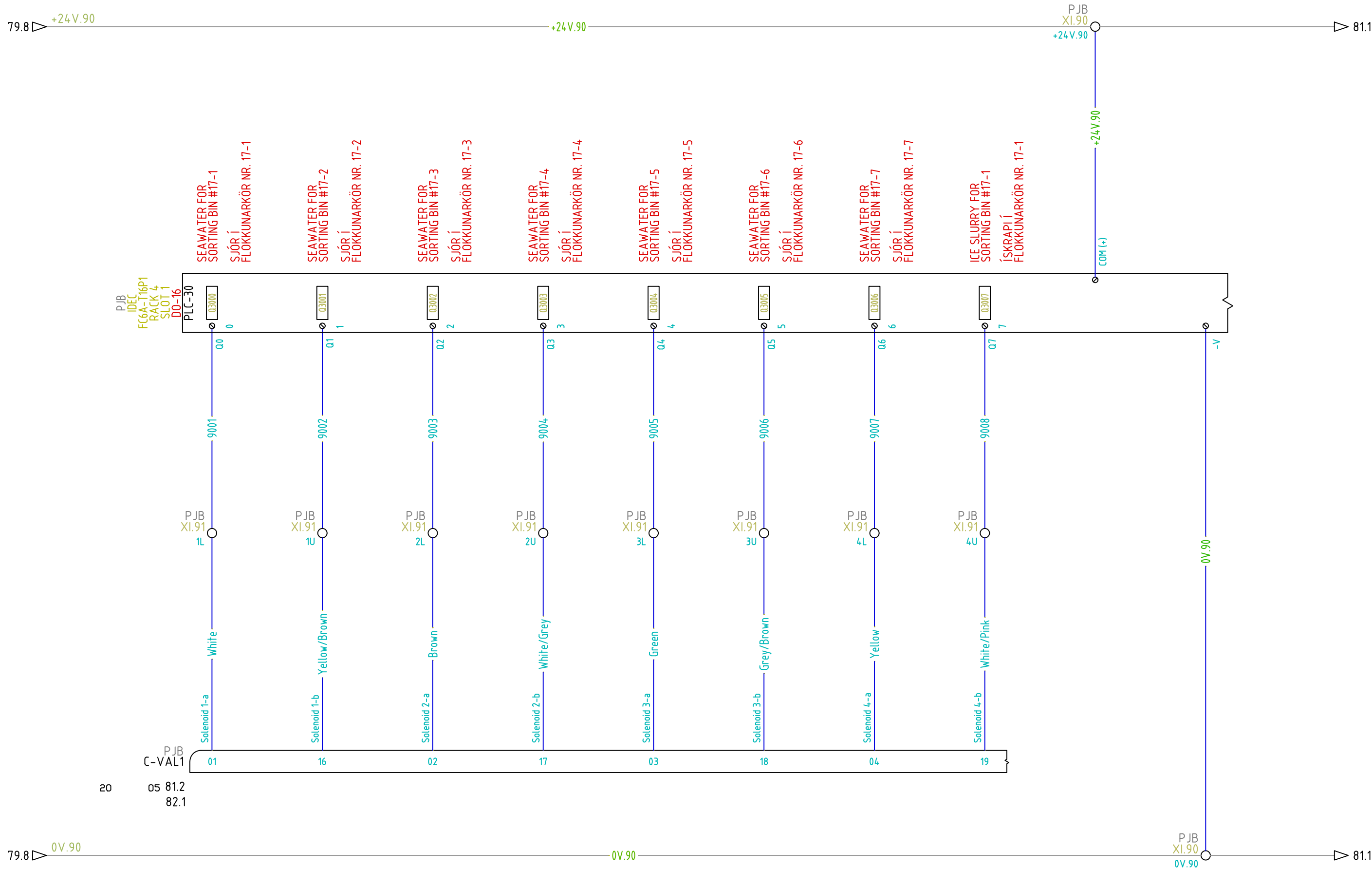


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Baldvin Njalsson GK: Processing plant

Peanumatic Junction box
 Power Circuit
 460V 60Hz → 24V DC

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH	DRAWING NO: R-4032132	PRJ NO: BN-27
0	First Review	25.9.2020	PSH		
				DATE	20.08.20
				NAME	PSH
				PRJ NO:	BN-27
				SHEET	79
				OF	141
				A3	



Baldvin Njalsson GK: Processing plant

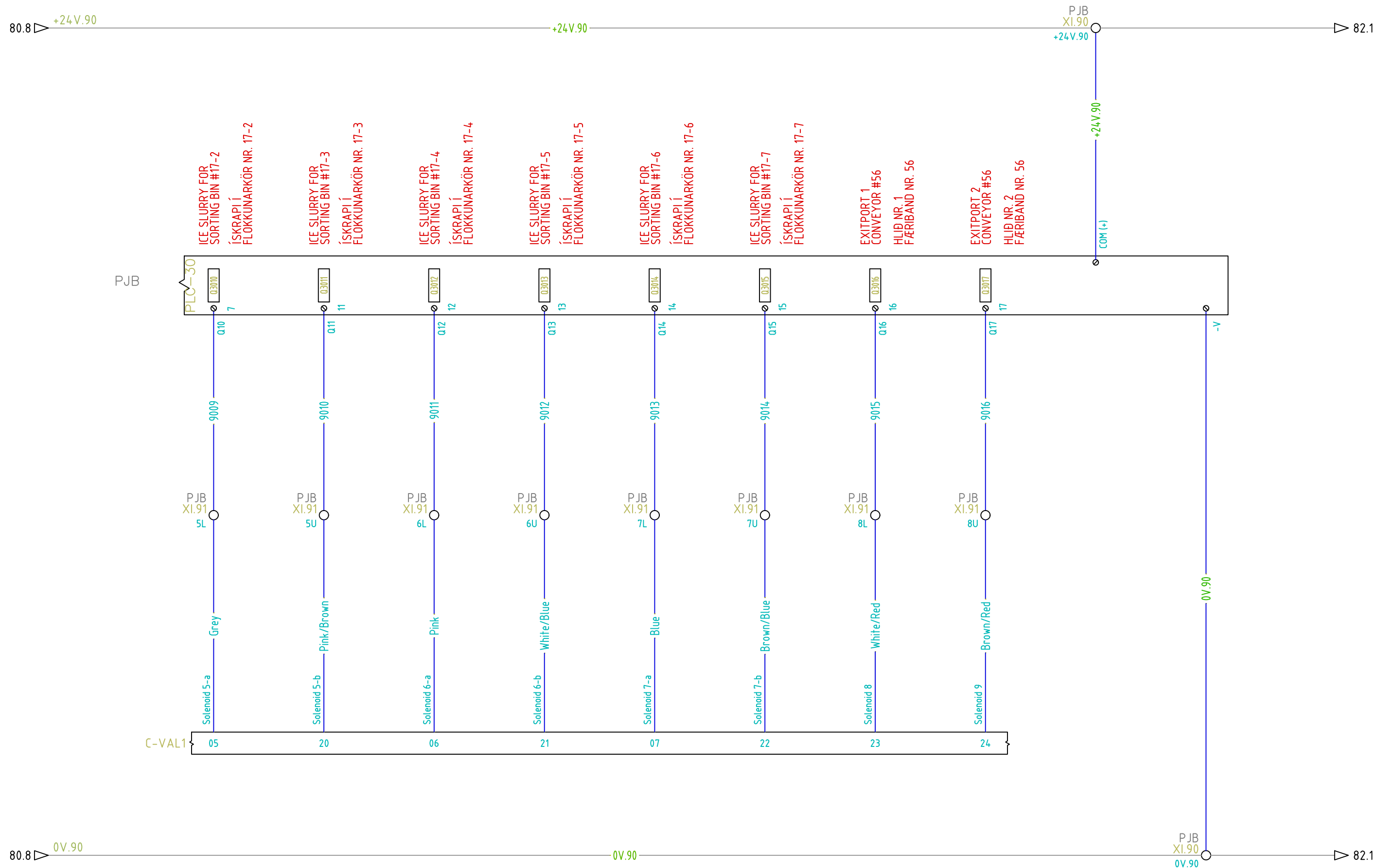
Peanumatic Junction box
PLC connection
Output in Rack 4, Slot 1

FILENAME: 211_PJB_PLC_output.dwg

LOCATION: PJB

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	80
0	First Review	25.9.2020	PSH				OF
DRAWING NO: R-4032133							141
Drawing Type: Electrical							A3



Baldvin Njalsson GK: Processing plant

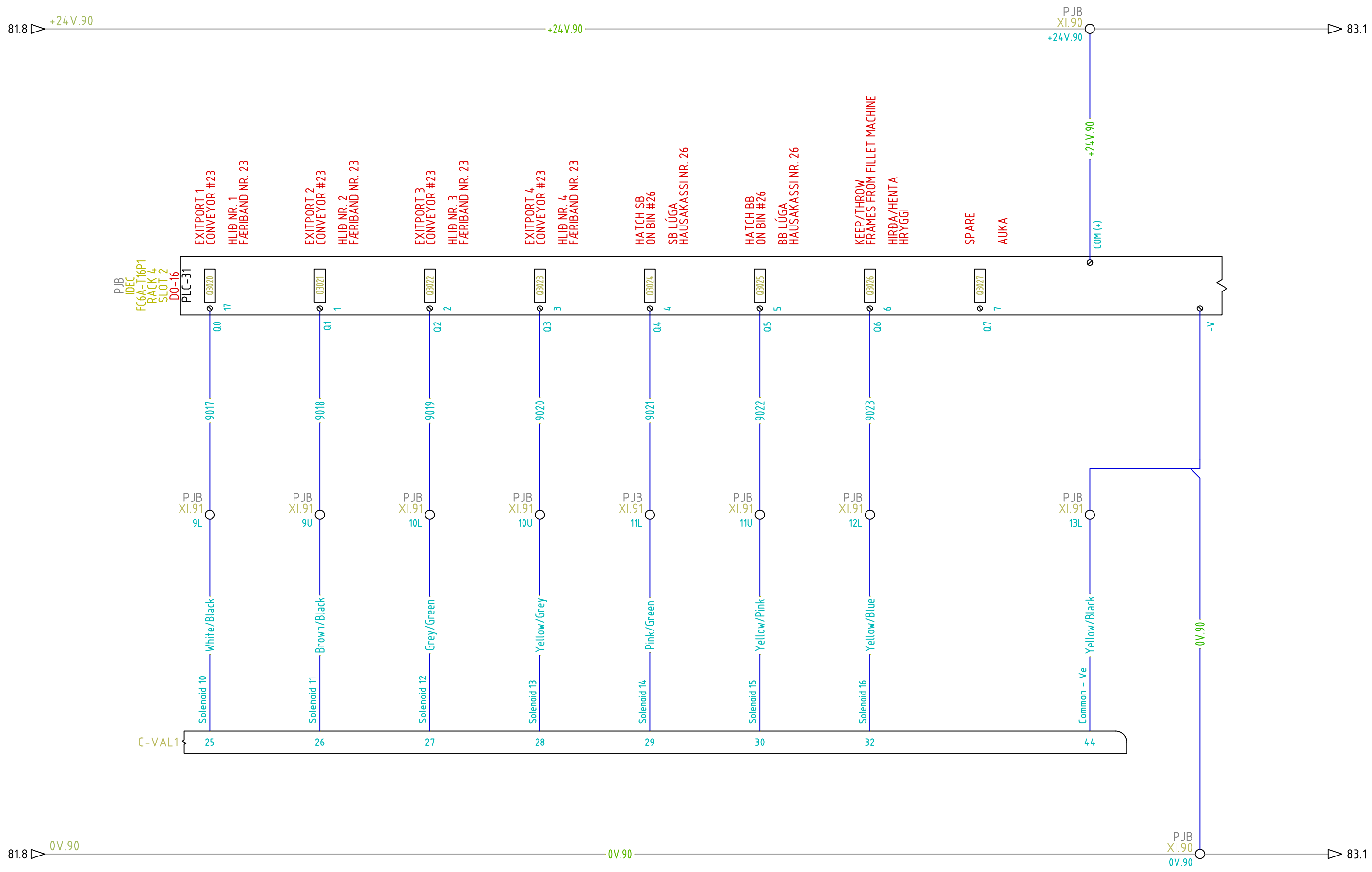
Pneumatic Junction box
PLC connection
Output in Rack 4, Slot 1

FILENAME: 212_PJB_PLC_output.dwg

LOCATION: PJB

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	81
0	First Review	25.9.2020	PSH				OF
				DRAWING NO: R-4032134			141
				Drawing Type: Electrical			A3

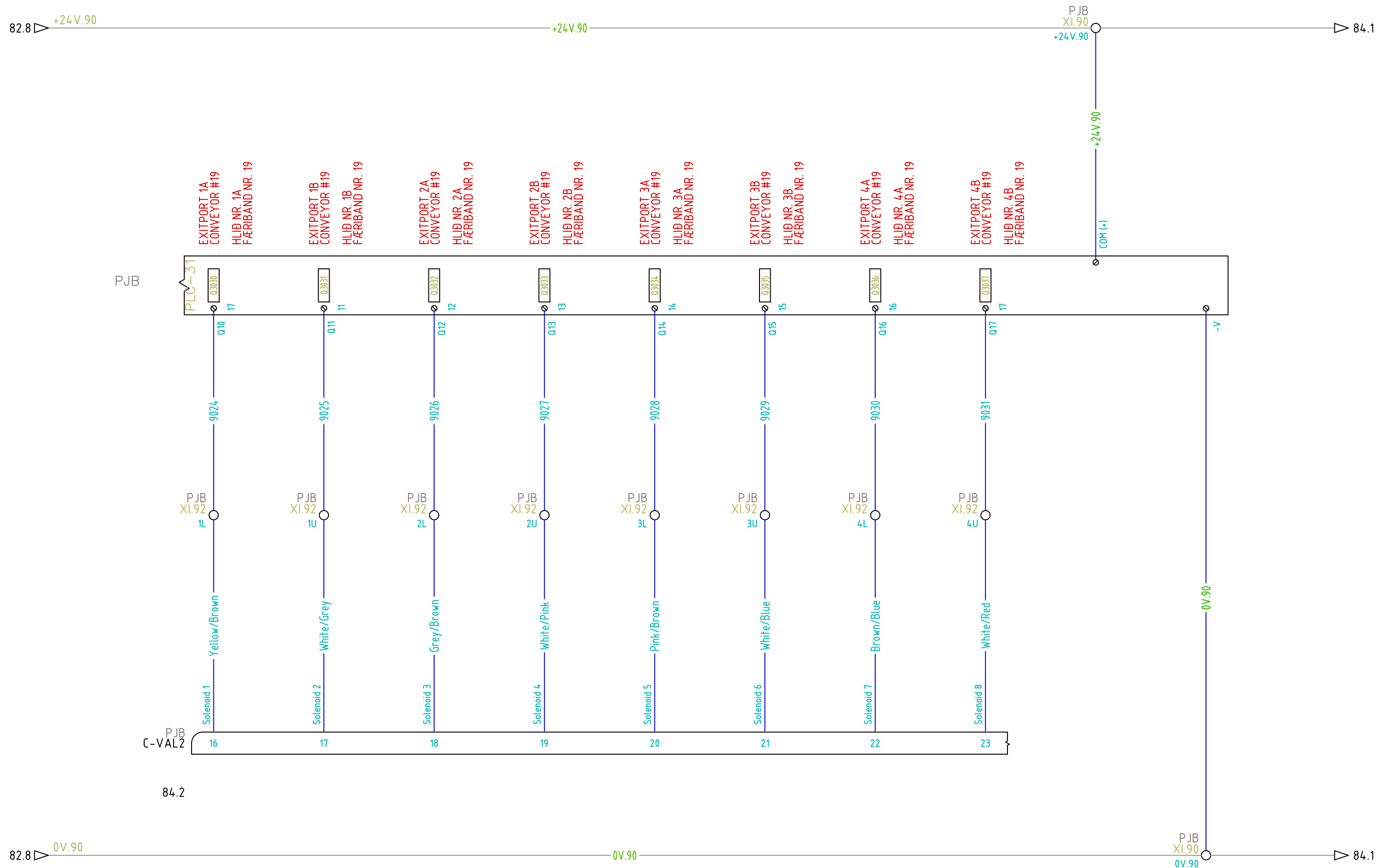


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Baldvin Njalsson GK: Processing plant

Pneumatic Junction box
PLC connection
Output in Rack 4, Slot 2

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	20.08.20	PSH	BN-27	82
0	First Review	25.9.2020	PSH				OF
DRAWING NO: R-4032135							141
Drawing Type: Electrical							A3



Baldvin Njalsson GK: Processing plant

Pneumatic Junction box
 PLC connection
 Output in Rack 4, Slot 2

FILENAME: 214_PJB_PLC_output.dwg

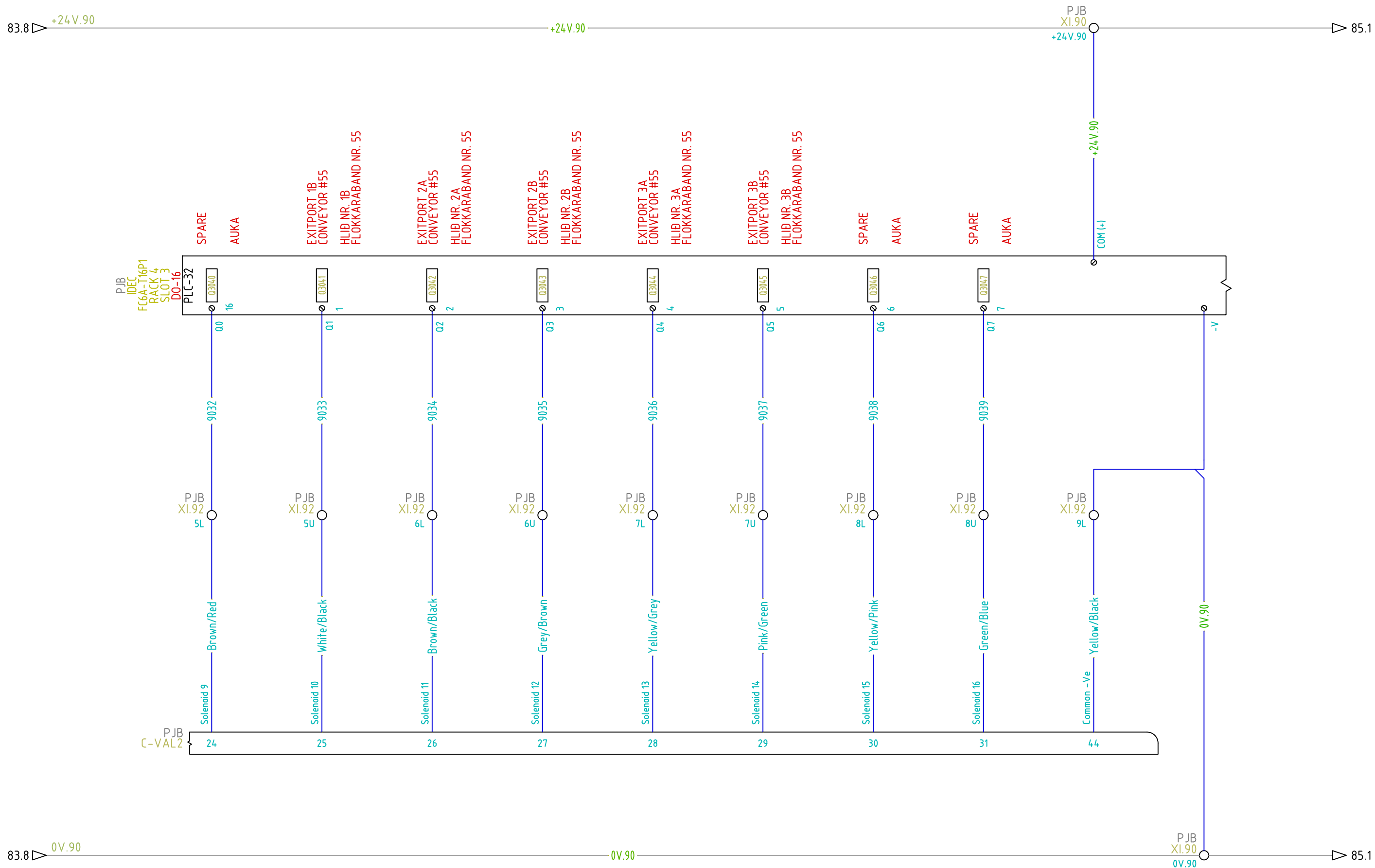
LOCATION: PJB

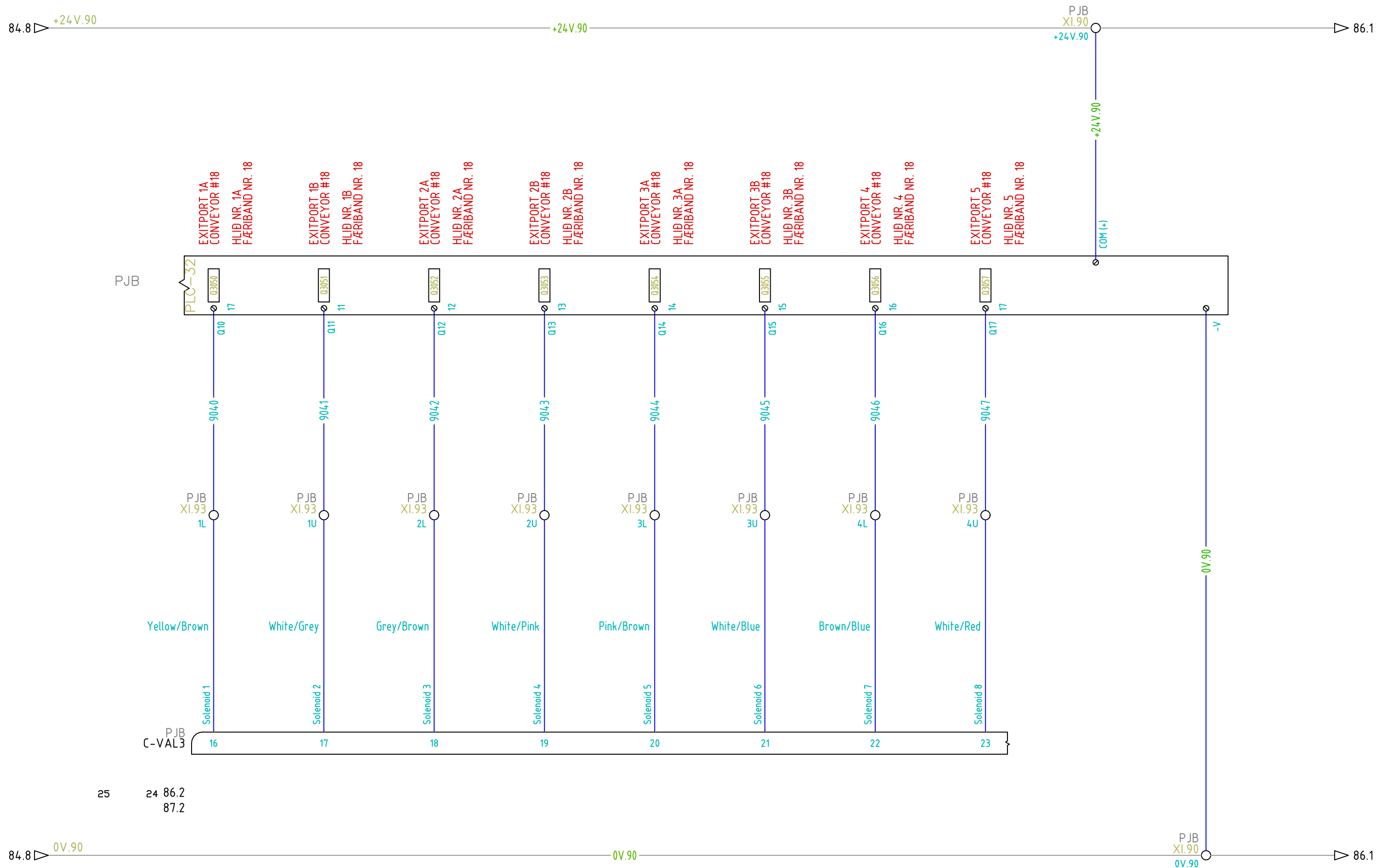
INSTALLATION:

REV	Comments	Date	By
1	Cable summary	22.1.2021	PSH
0	First Review	25.9.2020	PSH

DATE	NAME	PRJ NO:
20.08.20	PSH	BN-27
DRAWING NO: R-4032136		
Drawing Type: Electrical		

SHEET 83
 OF 141
 A3





Baldvin Njalsson GK: Processing plant

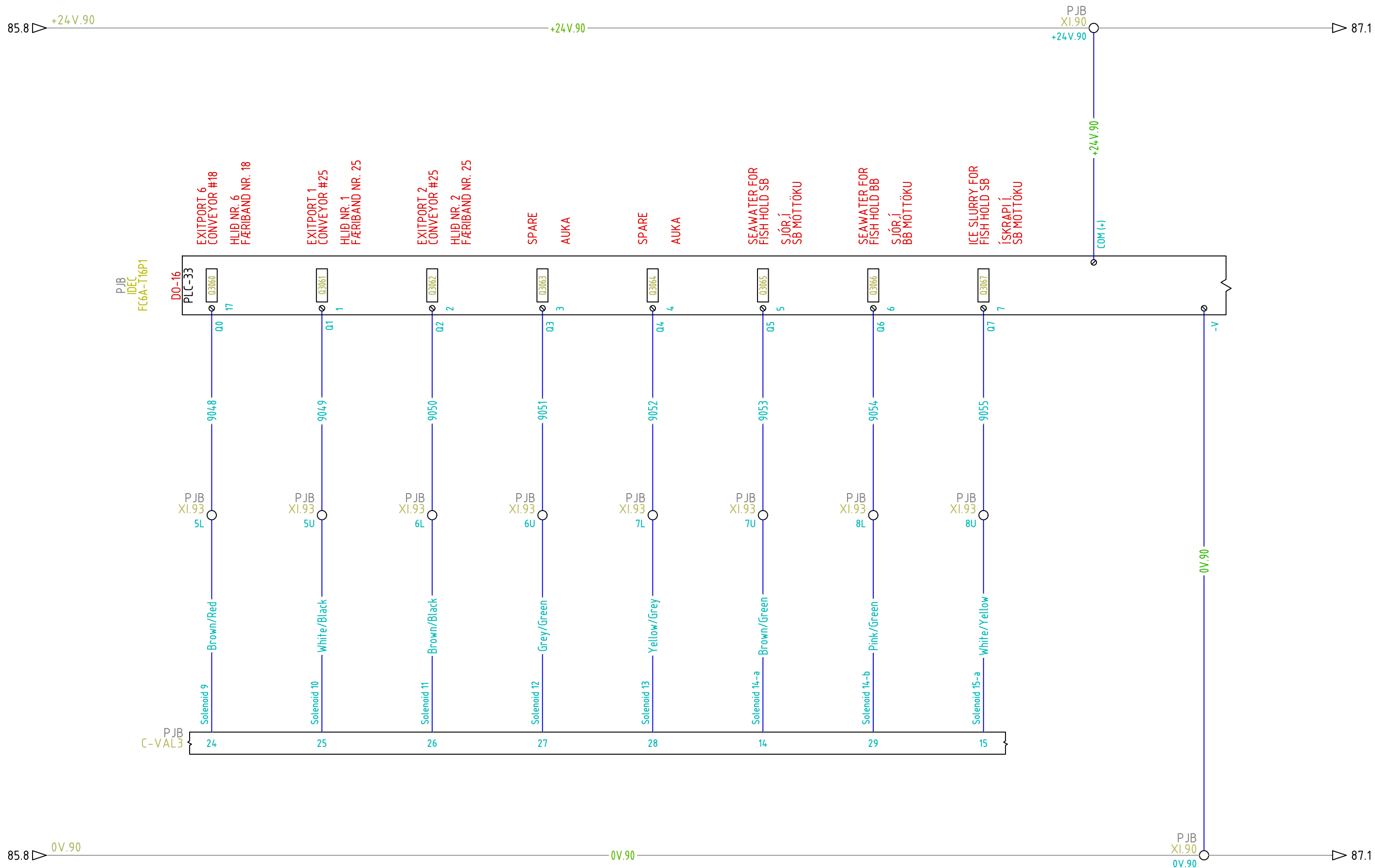
Pneumatic Junction box
PLC connection
Output in Rack 4, Slot 3

FILENAME: 216_PJB_PLC_output.dwg

LOCATION: PJB

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	PSH	20.08.20	PSH	BN-27	85
0	First Review	25.9.2020	PSH				OF 141
				DRAWING NO: R-4032138			
				Drawing Type: Electrical			A3

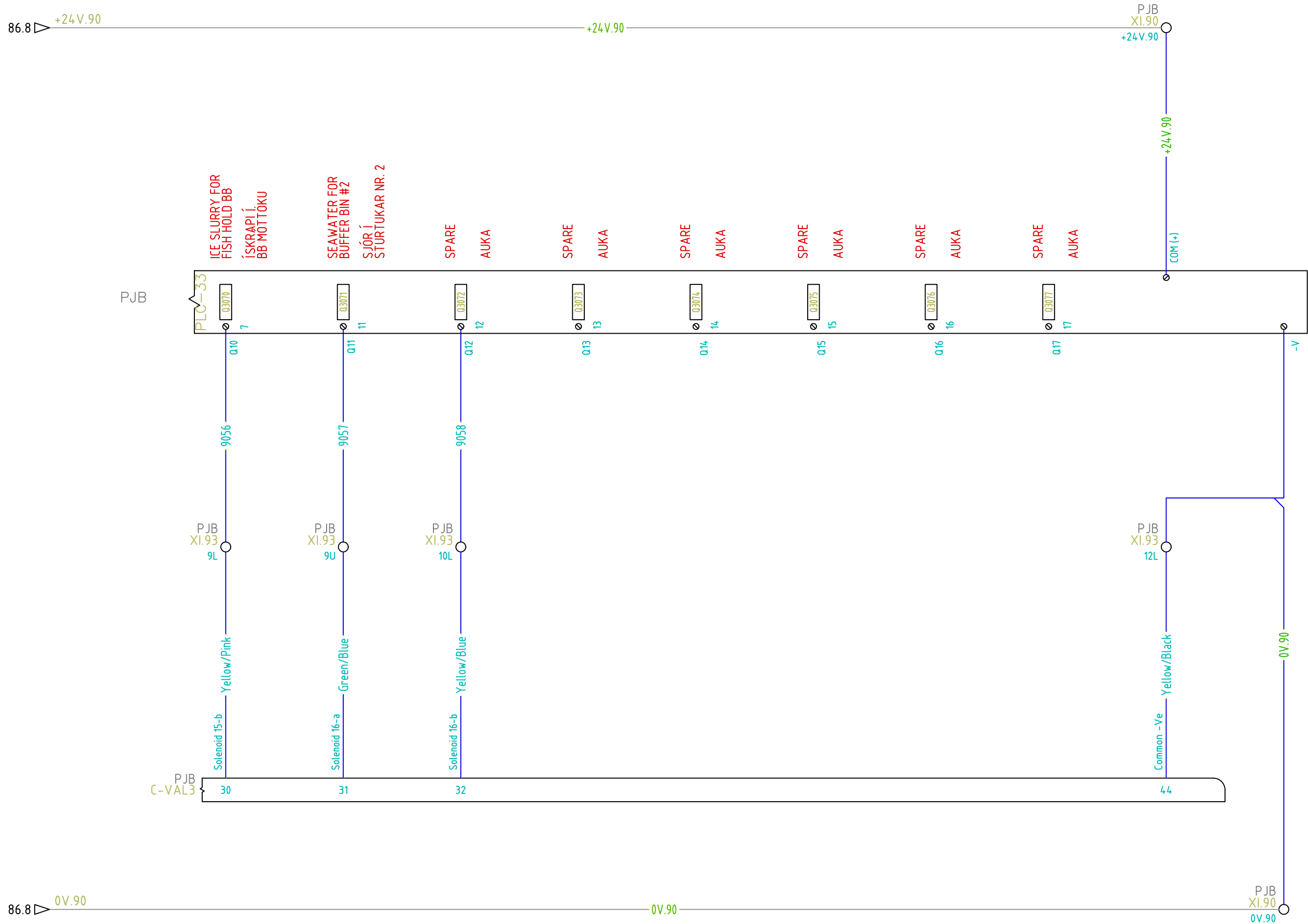


Baldvin Njalsson GK: Processing plant

Pneumatic Junction box
 PLC connection
 Output in Rack 4, Slot 4

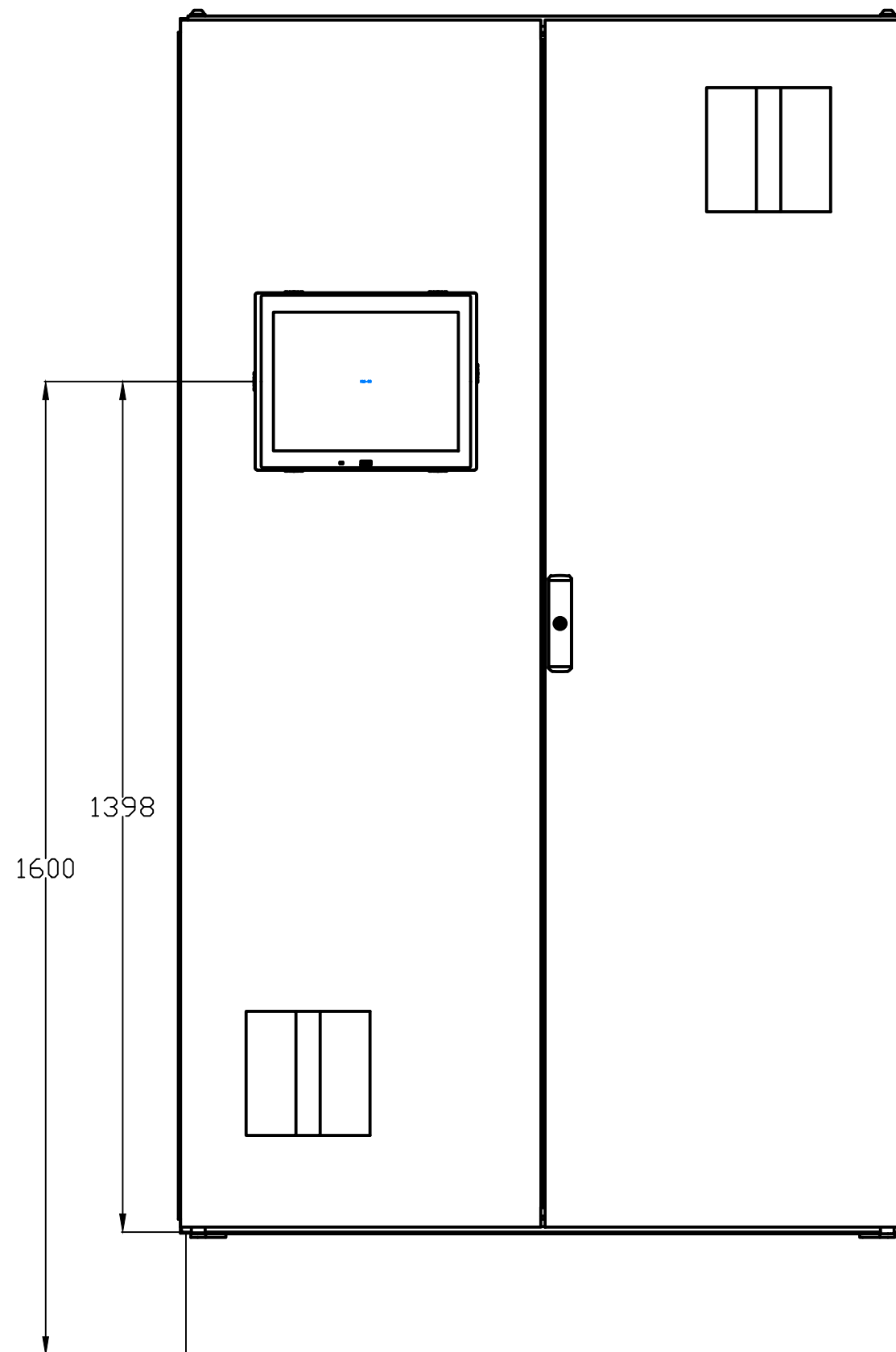
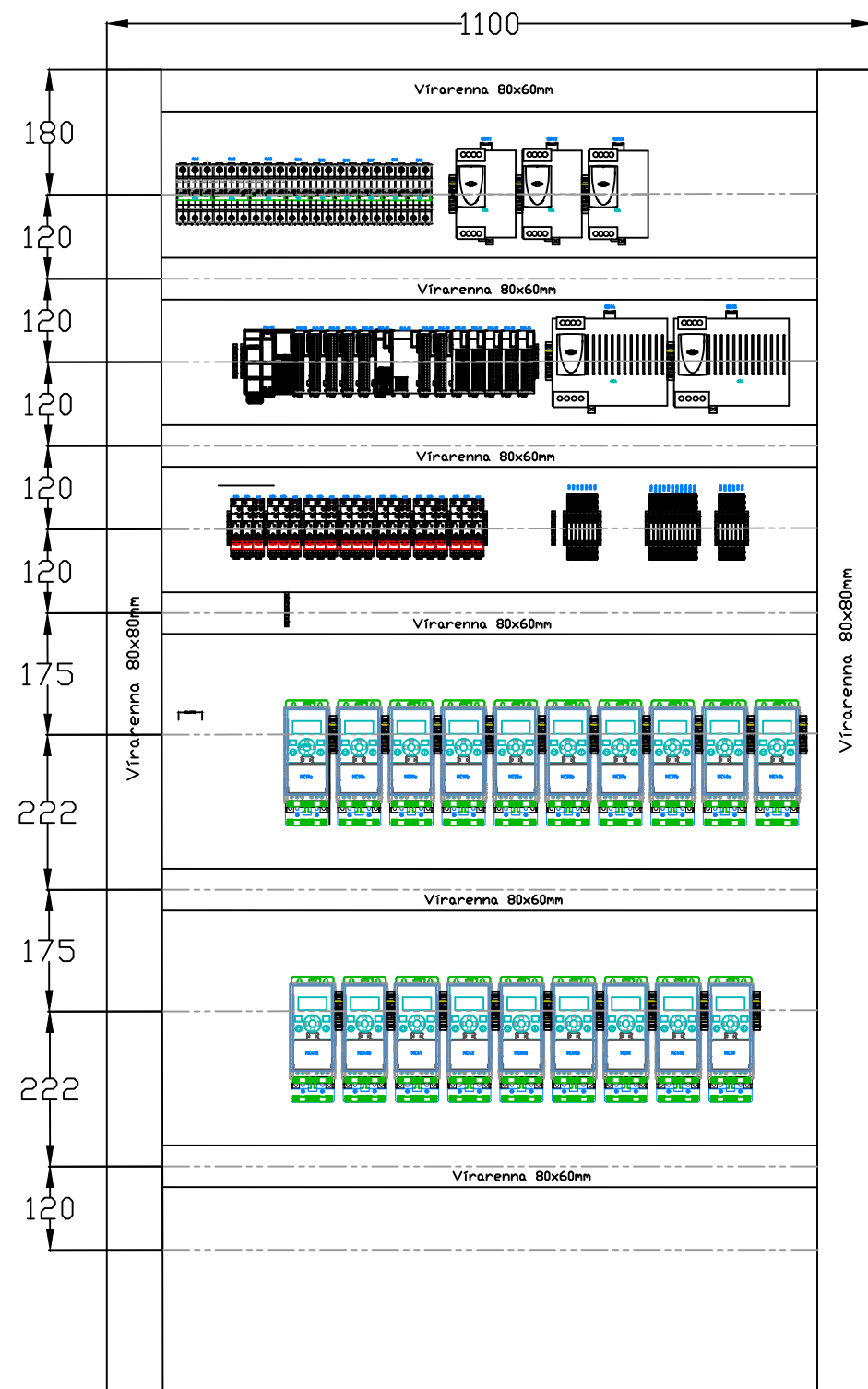
REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27	SHEET	86
Chec.				DRAWING NO:	R-4032139	OF	141
				Drawing Type:	Electrical		A3



REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27	SHEET	87
Chec.						OF	141
DRAWING NO:				R-4032140			
Drawing Type:				Electrical			
				A3			



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Baldvin Njalsson GK: Processing plant

Control Panel SM
 Enclosure layout

FILENAME: 100 SM Panel layout.dwg

LOCATION: SM

INSTALLATION:

REV	Comments	Date	By	Drawing Type:	PRJ NO:	SHEET
1	Cable summary	22.1.2021	PSH	Electrical	BN-27	90
0	First Review	25.9.2020	PSH			OF
				DRAWING NO:	R-5062102	131
				Drawing Type:	Electrical	A3

DATE

NAME

PRJ NO:

SHEET

Edit 20.08.20

PSH

BN-27

90

Chec.

DRAWING NO:

R-5062102

OF

Drawing Type:

Electrical

131

REV

Comments

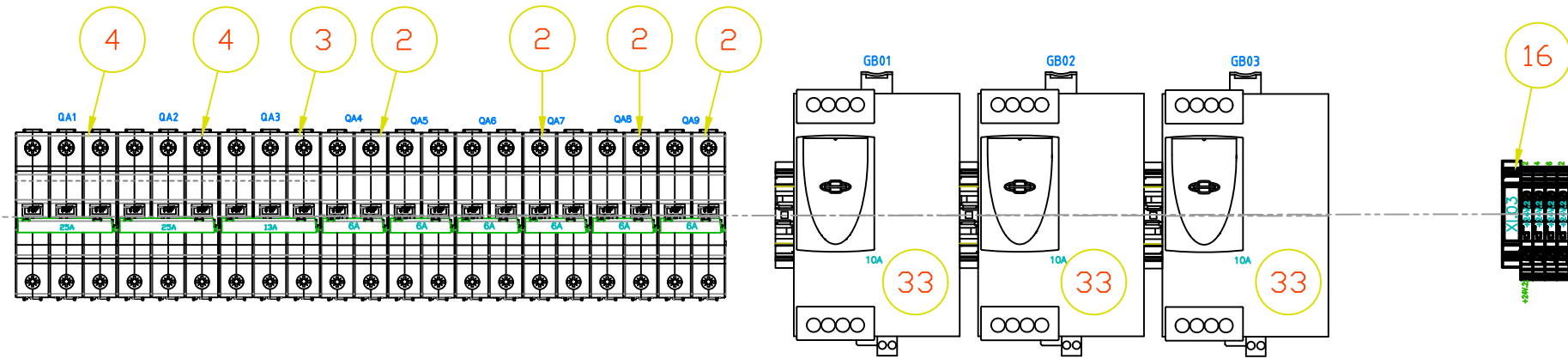
Date

By

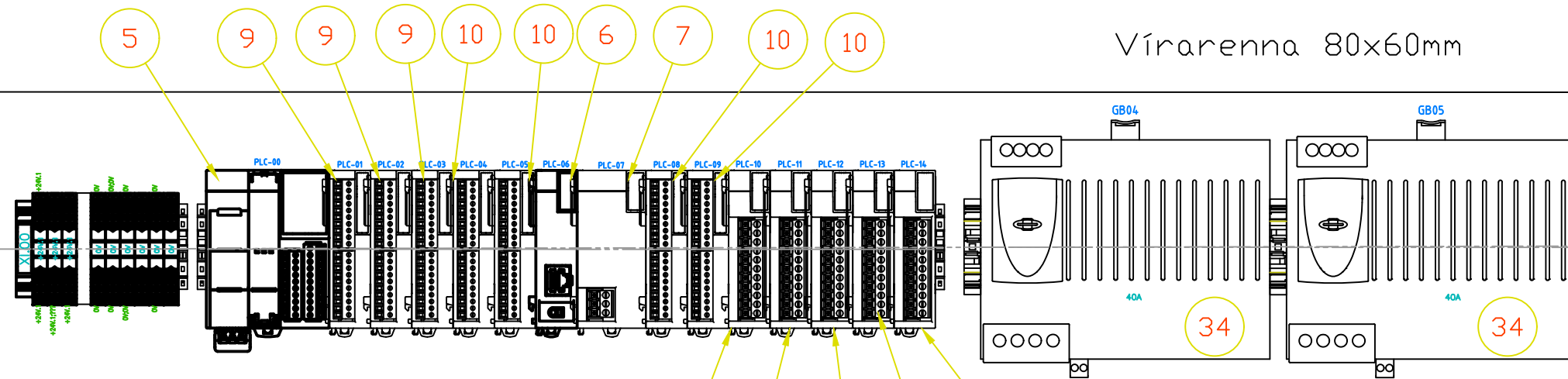
Drawing Type: Electrical

A3

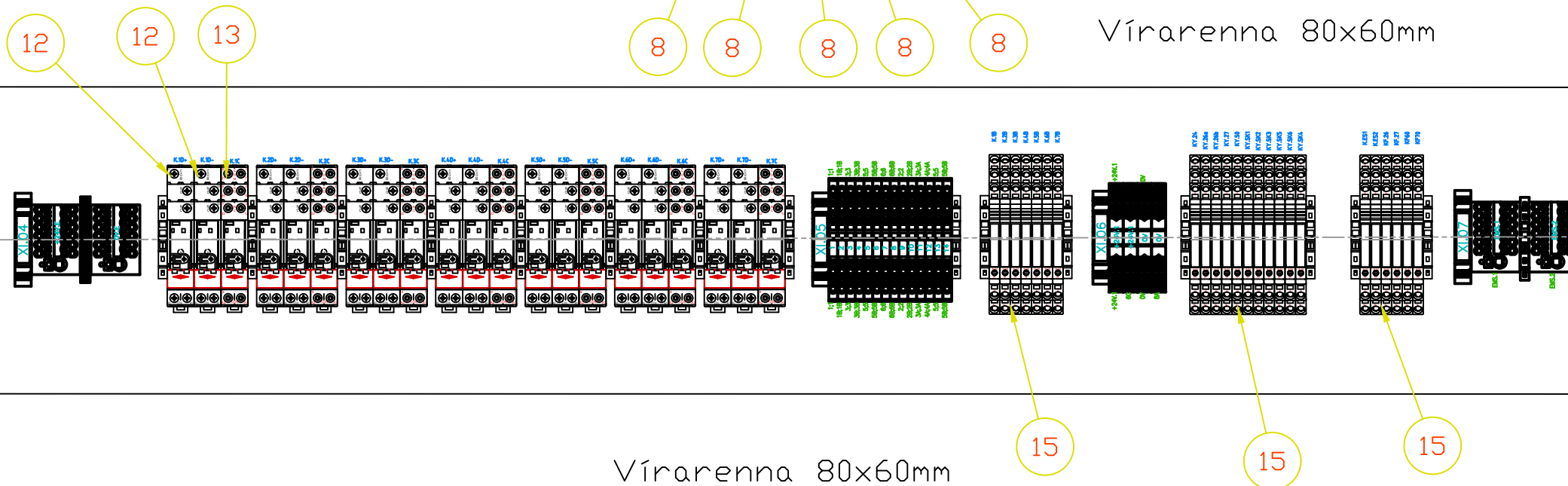
Vírarena 80x60mm



Vírarena 80x60mm



Vírarena 80x60mm



Vírarena 80x60mm



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Baldvin Njalsson GK: Processing plant

Control Panel SM
Enclosure layout
Top detail

FILENAME: 101 SM Panel Detail layout.dwg

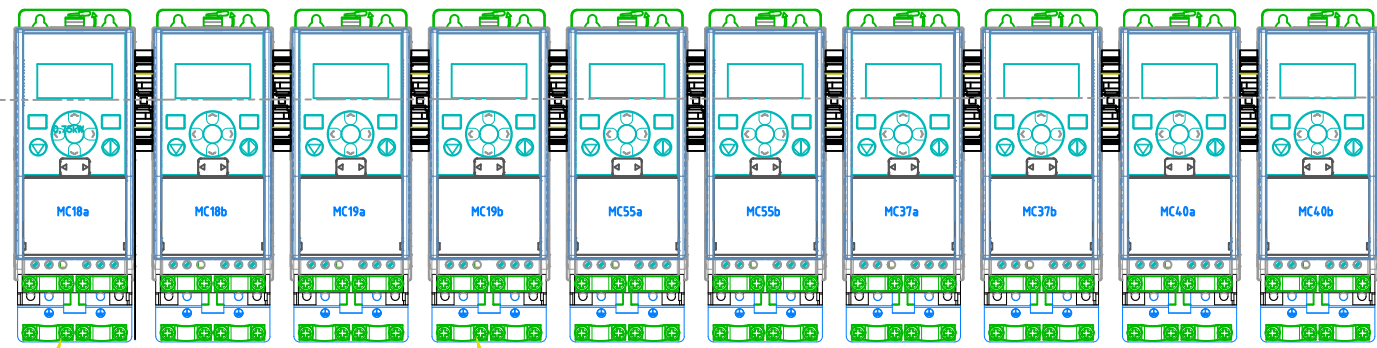
LOCATION: SM

INSTALLATION:

REV	Comments	Date	By
1	Cable summary	22.1.2021	IPSH
0	First Review	25.9.2020	PSH

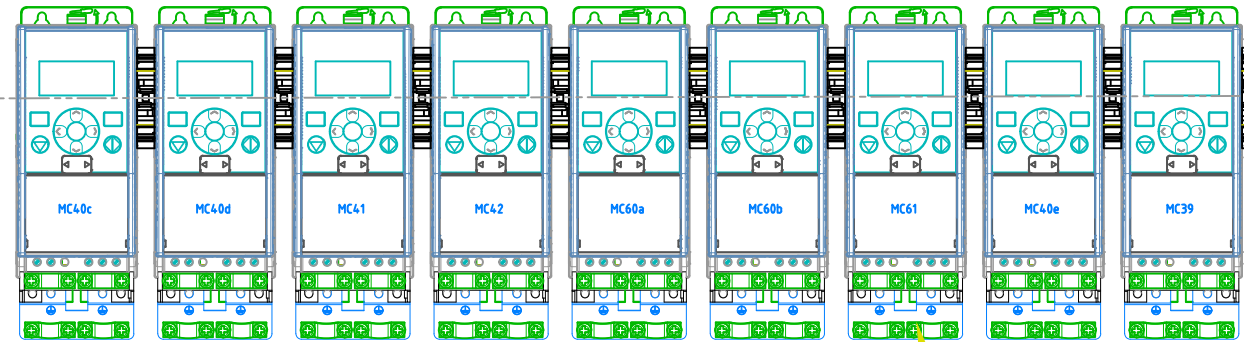
DATE	NAME	PRJ NO:
20.08.20	PSH	BN-27
DRAWING NO: R-6052100		
Drawing Type: Electrical		

SHEET
91
OF
131
A3



36

36



36

Vírarena 80x60mm

25



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Baldvin Njalsson GK: Processing plant

Control Panel SM
Enclosure layout
Bottom detail

FILENAME: 102 SM Panel Detail layout 2.dwg

LOCATION: SM

INSTALLATION:

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	PSH	20.08.20	PSH	BN-27	92
0	First Review	25.9.2020	PSH				OF
							131
							A3

DRAWING NO: R-50621001

Drawing Type: Electrical

SM Panel BOM					
ITEMTAGS	QTY	SUB	CATALOG	MFG	DESCRIPTION
1XI.04	1		3022276		END BRACKET - CLIPFIX 35-5 ACCESSORY END BRACKET SNAP-ON END BRACKET, FOR NS35/7.5 OR NS35/15 DIN RAIL 5.15MM WIDTH
2QA4 QA5 QA6 QA7 QA8 QA9	6		S202M-C6	ABB	S200 MINIATURE MOLDED CASE CIRCUIT BREAKER, PRO M COMPACT 2-POLE CIRCUIT BREAKER 6AMPS C-CHARACTERISTIC, RATED SENSITIVITY: 30mA, DIN RAIL MOUNTING FOR ALTERNATING CURRENT AND/OR CURRENT w/DC COMPONENTS, Icn=6kA 2CDS272001R0064
3QA3	1		S203M-C13	ABB	S200 MINIATURE MOLDED CASE CIRCUIT BREAKER, PRO M COMPACT 3-POLE CIRCUIT BREAKER 13AMPS C-CHARACTERISTIC, RATED SENSITIVITY: 30mA, DIN RAIL MOUNTING FOR ALTERNATING CURRENT AND/OR CURRENT w/DC COMPONENTS, Icn=6kA 2CDS273001R0134
4QA1 QA2	2		S203M-C25	ABB	S200 MINIATURE MOLDED CASE CIRCUIT BREAKER, PRO M COMPACT 3-POLE CIRCUIT BREAKER 25AMPS C-CHARACTERISTIC, RATED SENSITIVITY: 30mA, DIN RAIL MOUNTING FOR ALTERNATING CURRENT AND/OR CURRENT w/DC COMPONENTS, Icn=6kA 2CDS273001R0254
5PLC-00	1		FC6A-D16P4CE E	IDEC	CPU module with 8 D.inputs and 8 D.outputs FC6A CPU
6PLC-06	1		FC6A-EXM1M	IDEC	Master expansion module FC6A COM
7PLC-07	1		FC6A-EXM24	IDEC	Unibody expansion module FC6A COM
8PLC-10 PLC-11 PLC-12 PLC-13 PLC-14	5		FC6A-K4A4	IDEC	Expansion IO module with 4 Analog out FC6A AO
9PLC-01 PLC-02 PLC-03	3		FC6A-N16B4	IDEC	Expansion IO module with 16 D.inputs FC6A IO
10PLC-04 PLC-05 PLC-08 PLC-09	4		FC6A-T16P4	IDEC	Expansion IO module with 16 D.outputs FC6A IO
11HMI-00	1		HG5G-VFXT22 MF-B	IDEC	15" Color TFT LCD display HG5G-V HMI

ITEMTAGS	QTY	SUB	CATALOG	MFG	DESCRIPTION
12K.1D+ K.1D- K.2D+ K.2D- K.3D+ K.3D- K.4D+ K.4D- K.5D+ K.5D- K.6D+ K.6D- K.7D+ K.7D-	14	*1	RJ1S-CL-D24	IDEC	SINGLE POLE SLIM POWER RELAYS 12A RJ Series 24VDC COIL 1 NO/NC STANDARD WITH LED
12		*1	SJ1S-07LW	IDEC	BLADE MODEL SOCKET FOR RJ1S RELAY SOCKET ACCESSORIES Finger-safe DIN Rail Mount
13K.1C K.2C K.3C K.6C K.7C	5	*1	RJ2S-CL-D24	IDEC	DOUBLE POLE SLIM POWER RELAYS 8A RJ Series 24VDC COIL 2 NO 2 NC STANDARD WITH LED
13		*1	SJ2S-07LW	IDEC	BLADE MODEL SOCKET FOR RJ2S/RJ2S RELAY SOCKET ACCESSORIES Finger-safe DIN Rail Mount
14K.4C K.5C	2		RJ2S-CL-D24	IDEC	DOUBLE POLE SLIM POWER RELAYS 8A RJ Series 24VDC COIL 2 NO 2 NC STANDARD WITH LED



Baldvin Njalsson GK: Processing plant
Control Panel SM
Enclosure layout
BOM list

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE: 20.08.20
NAME: PSH
PRJ NO: BN-27
DRAWING NO: R-5062101
SHEET: 93 OF 131
A3

ITEM	TAGS	QTY	SUB	CATALOG	MFG	DESCRIPTION
15	K.1B K.2B K.3B K.4B K.5B K.6B K.7B K.ES1 K.ES2 KF.26 KF.27 KF.60 KF.70 KY.24 KY.26a KY.26b KY.27 KY.50 KY.SK1 KY.SK2 KY.SK3 KY.SK4 KY.SK5 KY.SK6	24		RV8H-S D24	IDEC	6MM INTERFACE RELAY - RV8H RV8H 24VDC COIL 1 NO/NC
16	X.01 X.02 X.03 X.04 X.05 X.06 X.07 X.08 X.09 XI.00 XI.01 XI.02 XI.03 XI.04 XI.05 XI.06 XI.07	17		3022218	PHOENIX CONTACT	END BRACKET - CLIPFIX 35 ACCESSORY END BRACKET SNAP-ON END BRACKET, FOR NS35/7.5 OR NS35/15 DIN RAIL 9.5MM WIDTH
17	XI.01 XI.02 XI.07	7		3022276	PHOENIX CONTACT	END BRACKET - CLIPFIX 35-5 ACCESSORY END BRACKET SNAP-ON END BRACKET, FOR NS35/7.5 OR NS35/15 DIN RAIL 5.15MM WIDTH
18	XI.03	4		3046090	PHOENIX CONTACT	FUSE MODULAR TERMINAL BLOCK - UT 4-HESILED (5X20) FUSE BLOCK 6.3AMPS BLACK, 0.14-4MM^2, 26-10 AWG Lever-type fuse terminal block, black, for 5 x 20 mm G fuse inserts, with LED for 24 V DC

ITEM	TAGS	QTY	SUB	CATALOG	MFG	DESCRIPTION
19	XI.05	14		3209578	PHOENIX CONTACT	FEED-THROUGH TERMINAL BLOCK - PT 2,5-QUATTRO FEED-THROUGH 24AMPS GREY, 0.2-4MM^2, 26-10 AWG Feed-through terminal block, connection method: Push-in connection, number of connections: 4
20	X.05 X.06 X.07 X.08 X.09	34		3210499	PHOENIX CONTACT	MULTI-LEVEL TERMINAL BLOCK - PT 2,5/S-3L MULTI-LEVEL 24AMPS GRAY, 0.14- 4 mm ² , 26-12 AWG Multi-level terminal block, Push-in connection
21	X.02	3		3213949	PHOENIX CONTACT	INSTALLATION GROUND TERMINAL BLOCK - PTI 2,5-PE/L/L MULTI-LEVEL 24AMPS GRAY, 0.2-4MM^2, 24-10 AWG Installation ground terminal block, Push-in connection
22	X.03 X.04	18		3213953	PHOENIX CONTACT	INSTALLATION LEVEL TERMINAL BLOCK - PTI 2,5-L/L MULTI-LEVEL 24AMPS GRAY, 0.2-4MM^2, 24-10 AWG Installation level terminal block, Push-in connection
23	X.01	1		3214024	PHOENIX CONTACT	INSTALLATION GROUND TERMINAL BLOCK - PTI 16/S FEED-THROUGH 6 KV GREEN-YELLOW, 0.5-16MM^2, 24-4 AWG Installation ground terminal block, Push-in connection
24	X.01	1		3214027	PHOENIX CONTACT	ENDCOVER D-PTI 16/S ACCESSORY ENDCOVER GREY, LENGTH: 77.7mm, WITH: 2.2mm WITH 2.2mm
25	X.01	3		3214029	PHOENIX CONTACT	INSTALLATION TERMINAL BLOCK - PTI 16/S FEED-THROUGH 76AMPS GREY, 0.5-16MM^2, 24-4 AWG Installation terminal block, Push-in connection
26	XI.00 XI.06	5		3270125	PHOENIX CONTACT	Potential distributors - PTRV 4-PV BK MULTI-LEVEL 17.6AMPS GRAY, BLACK, 0.14-2,5MM^2, 14-26 AWG Potential distributor for distributing potentials up to 17.5 A
27	XI.00 XI.06	8		3270126	PHOENIX CONTACT	Potential distributors - PTRV 4-PV BU/BK MULTI-LEVEL 17.6AMPS BLUE, BLACK, 0.14-2,5MM^2, 14-26 AWG Potential distributor for distributing potentials up to 17.5 A
28	XI.00	1		3270163	PHOENIX CONTACT	ENDCOVER DP-PTRV 4 ACCESSORY ENDCOVER GREY, LENGTH: 63.6mm, WITH: 8.3mm WITH 8.3mm
29	XI.01 XI.02 XI.04 XI.07	10		3273352	PHOENIX CONTACT	Distribution block - PTFIX 6/12X2,5 GY MULTI-LEVEL 24AMPS GREY,0.14-2,5MM^2, 14-26 AWG Distribution block, Basic terminal block with supply



Baldvin Njalsson GK: Processing plant

Control Panel SM
Enclosure layout
BOM list

FILENAME: 111 SM Panel BOM .dwg

LOCATION: SM

INSTALLATION:

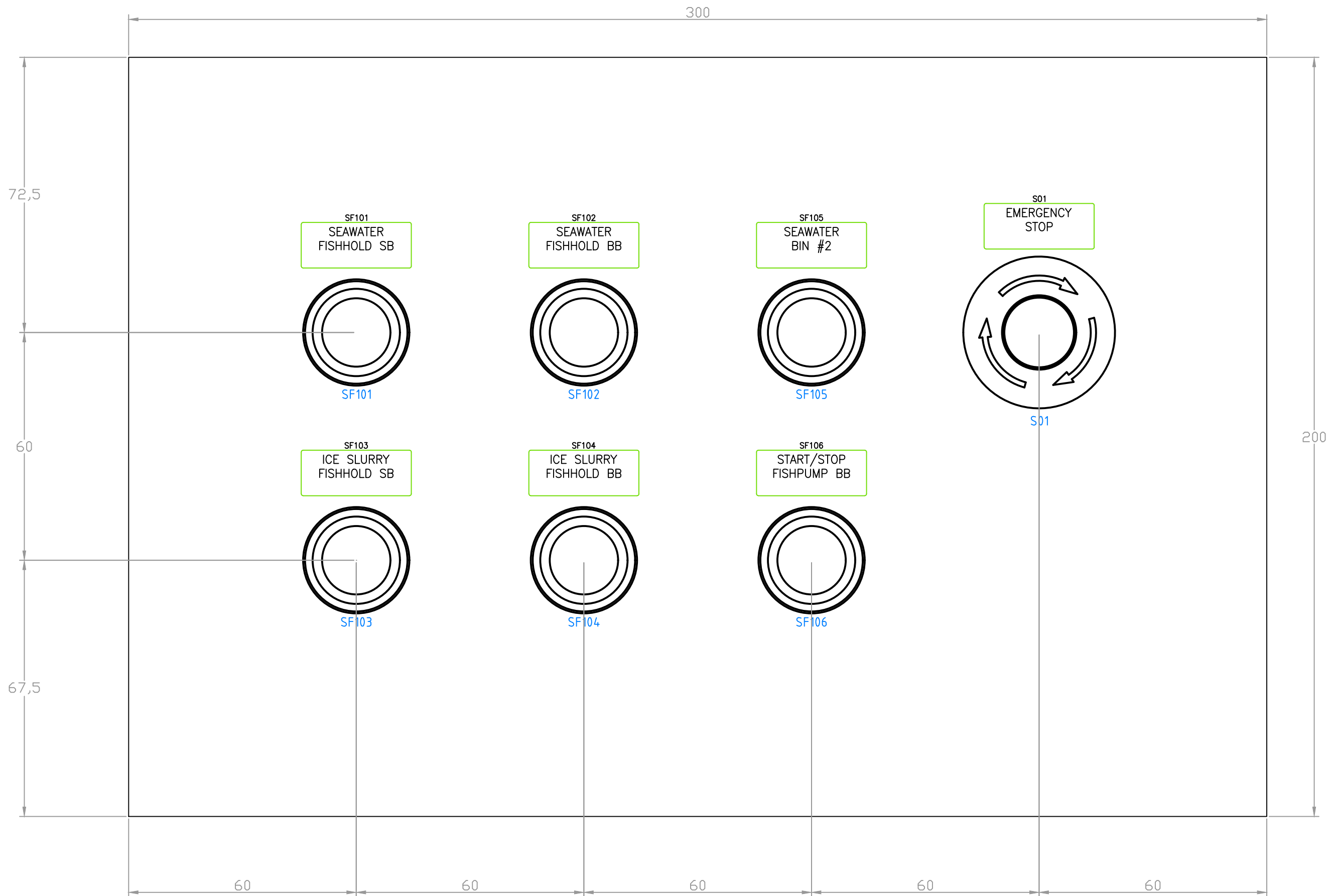
REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	PSH	20.08.20	PSH	BN-27	94
0	First Review	25.9.2020	PSH				OF 131
				DRAWING NO: R-5062102			
				Drawing Type: Electrical			A3

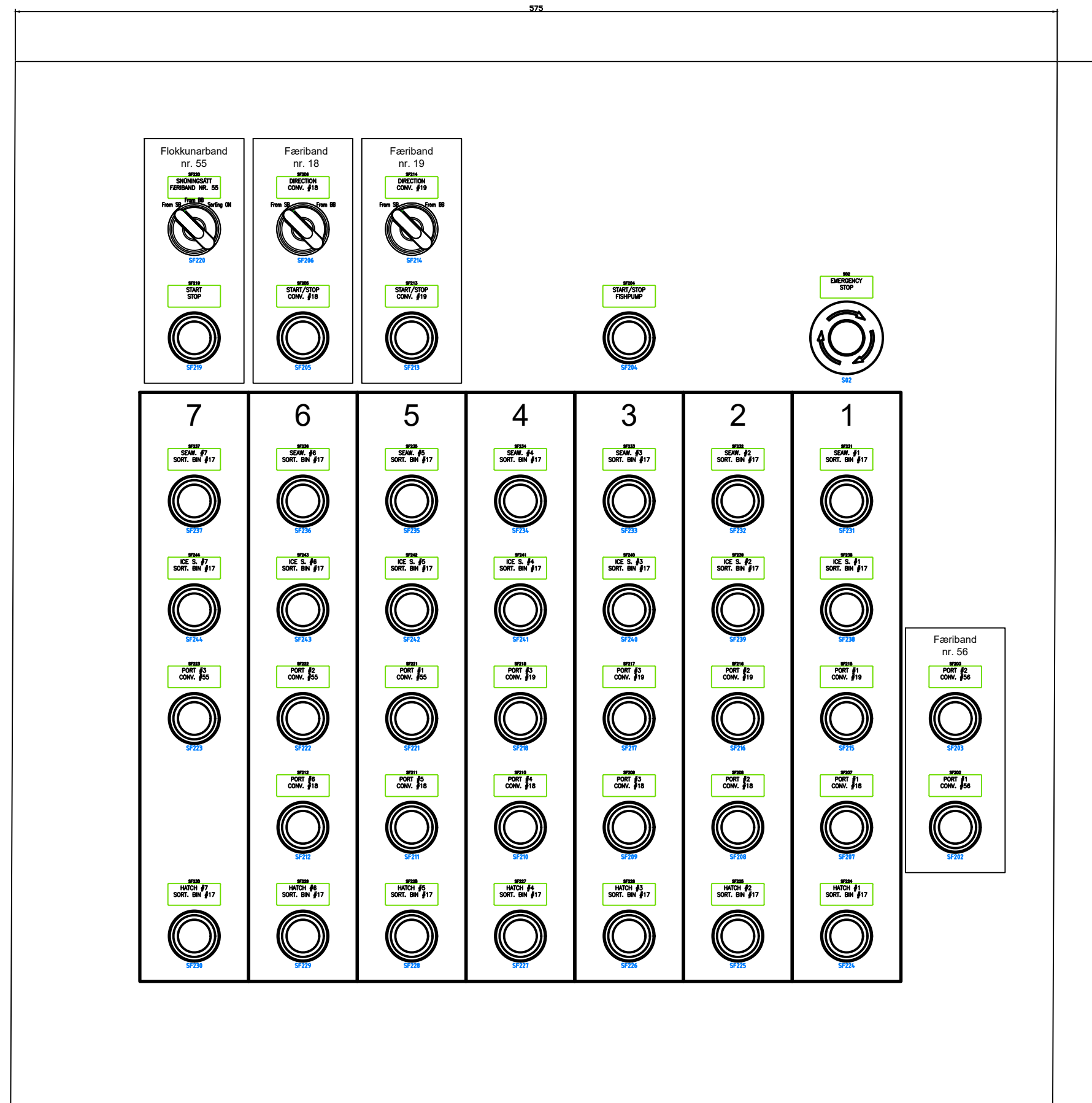
ITEMTAGS	QTY	SUB	CATALOG	MFG	DESCRIPTION
30 XI.04	1		3273354	PHOENIX CONTACT	Distribution block - PTFIX 6/12X2,5 BU MULTI-LEVEL 24AMPS BLUE,0.14-2,5MM^2, 14-26 AWG Distribution block, Basic terminal block with supply
31 XI.01 XI.02	2		3273360	PHOENIX CONTACT	Distribution block - PTFIX 6/12X2,5 GN MULTI-LEVEL 24AMPS GRN/YEL,0.14-2,5MM^2, 14-26 AWG Distribution block, Basic terminal block with supply
33 GB01 GB02 GB03	3		ABL8RPS24100	SCHNEIDER ELECTRIC	Regulated Switch Power Supply, 1 or 2-phase, 100..500V, 24V, 10 A 24VDC Modicon Power Supply
34 GB04 GB05	2		ABL8WPS24400	SCHNEIDER ELECTRIC	Regulated Switch Power Supply, 3-phase, 380..500V, 24V, 40 A 24VDC Modicon Power Supply
36 MC18a MC18b MC19a MC19b MC37a MC37b MC39 MC40a MC40b MC40c MC40d MC40e MC41 MC42 MC55a MC55b MC60a MC60b MC61	19		VACDN0020-3L-0003-4	VACDN	380-480 VAC, 3-phase, 0,75kW Vacon 20 1 Frame size: MI1 0,75 kW, 1 HP



Baldvin Njalsson GK: Processing plant
Control Panel SM
Enclosure layout
BOM list

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	PSH	20.08.20	PSH	BN-27	95
0	First Review	25.9.2020	PSH				OF 131
DRAWING NO: R-5062103							A3
Drawing Type: Electrical							





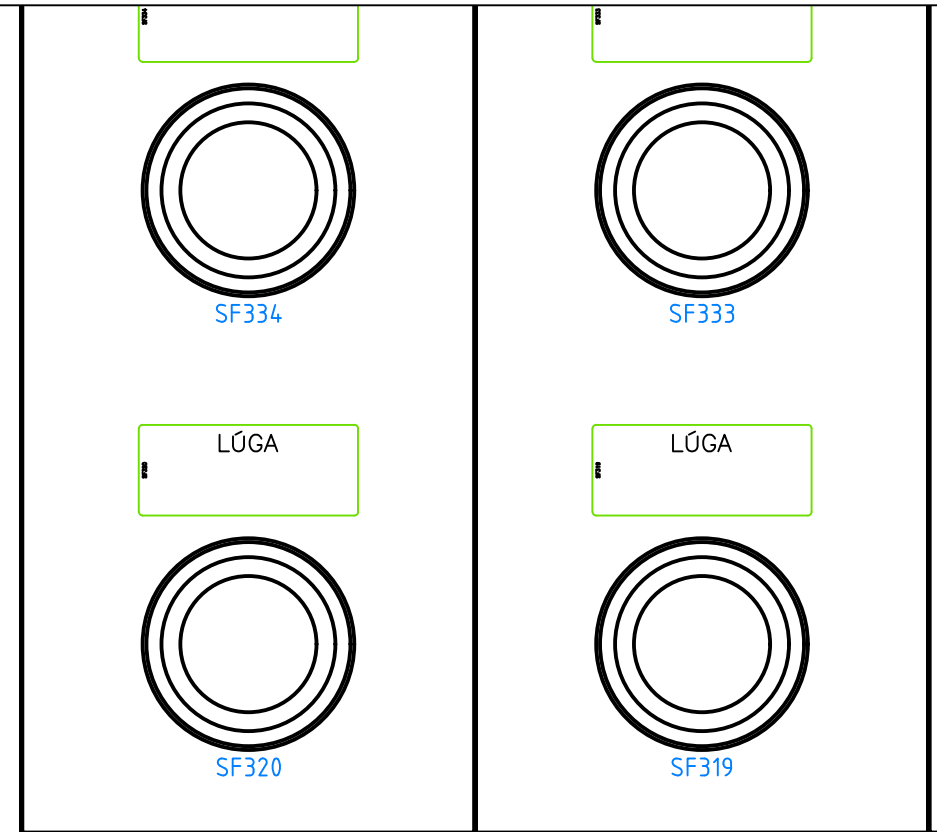
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Baldvin Njalsson GK: Processing plant
 Control Panel S2-E
 Enclosure layout

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	IPSH		
0	First Review	25.9.2020	PSH		

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	96
			OF
			132
			A3

DRAWING NO:	R-3062100
Drawing Type:	Electrical



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Baldvin N

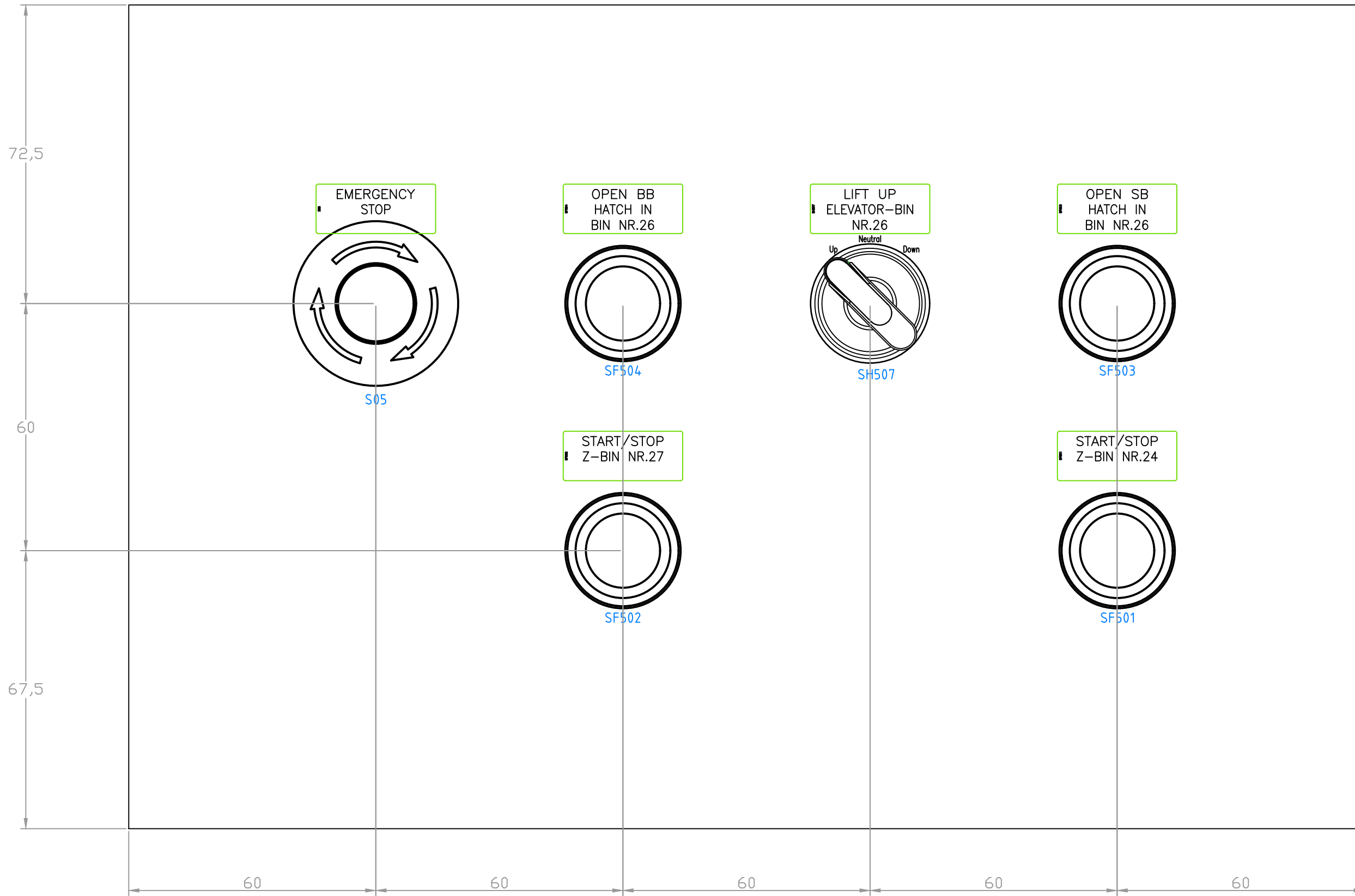
FILENAME: 300 S3-3 PANEL LAYOUT .DWG

LOCATION: S3-E

1

2

3



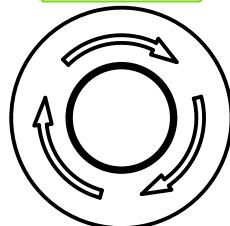
Baldvin Njalsson GK: Processing plant

Control Panel S5-E
Enclosure layout
Panel front

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

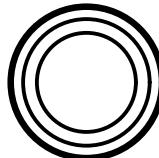
DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	OF
DRAWING NO:		R-4152100	138
DRAWING Type:		Electrical	A3

S06
EMERGENCY
STOP



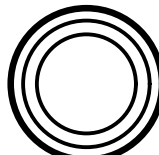
S06

SF602
START/STOP
TRIMLINE OUT
FEED - REAR



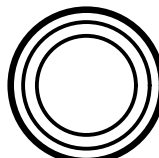
SF602

SF603
START/STOP
CUT-OFF
CON. 39 & 40E



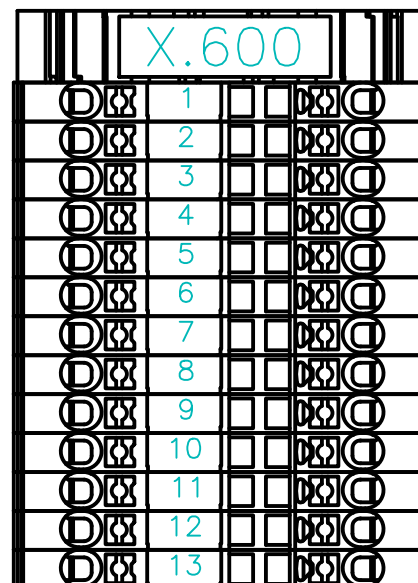
SF603

SF604
ON/OFF
TRIMLINE
LIGHTS - REAR



SF604

X.600																	
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
	SM	X.07	1T	+24V.1	BLU_1.0mm^2		1		PHOENIX CONTACT	3209510	BLU_1.0mm^2	+24V.1	13	SF600	S6-E		⌚
											JUMBE R	+24V.1	2	X.600	S6-E		⌚
	S6-E	XI.61	24V	+24V.1	BLU_1.0mm^2		2		PHOENIX CONTACT	3209510	BLU_1.0mm^2	+24V.1	14	SF601	S6-E		⌚
											JUMBE R	+24V.1	1	X.600	S6-E		⌚
	S6-E	X.600	4	6000	JUMBE R		3		PHOENIX CONTACT	3209510	BLU_1.0mm^2	6000	14	SF600	S6-E		⌚
	SM	X.07	1M	6000	BLU_1.0mm^2		4		PHOENIX CONTACT	3209510	BLU_1.0mm^2	6000	13	SF601	S6-E		⌚
											JUMBE R	6000	3	X.600	S6-E		⌚
	SM	X.07	1B	6001	BLU_1.0mm^2		5		PHOENIX CONTACT	3209510	BLU_1.0mm^2	6001	Whi	SF602	S6-E		○○○
	SM	X.07	8B	6007	BLU_1.0mm^2		6		PHOENIX CONTACT	3209510	BLU_1.0mm^2	6007	Gre	SF602	S6-E		○○○
	SM	X.07	2T	6002	BLU_1.0mm^2		7		PHOENIX CONTACT	3209510	BLU_1.0mm^2	6002	Whi	SF603	S6-E		○○○
	SM	X.07	3M	261	BLU_1.0mm^2		8		PHOENIX CONTACT	3209510	BLU_1.0mm^2	261	Red	SF603	S6-E		○○○
	SM	X.07	2M	6003	BLU_1.0mm^2		9		PHOENIX CONTACT	3209510	BLU_1.0mm^2	6003	Whi	SF604	S6-E		○○○
	SM	X.07	2B	259	BLU_1.0mm^2		10		PHOENIX CONTACT	3209510	BLU_1.0mm^2	259	Gre, Red, Pi	SF604	S6-E		○○○
	SM	X.07	3B	6004	BLU_1.0mm^2		11		PHOENIX CONTACT	3209510	BLU_1.0mm^2	6004	BK	BG640	C40B		○○○
	SM	X.07	5M	5010	BLU_1.0mm^2		12		PHOENIX CONTACT	3209510	BLU_1.0mm^2	5010	1	S06	S6-E		○○○
	SM	X.07	5T	6005	BLU_1.0mm^2		13		PHOENIX CONTACT	3209510	BLU_1.0mm^2	6005	2	S06	S6-E		○○○



BLU_1.0MM^2 +24V.1
 BLU_1.0MM^2 +24V.1
 JUMBER 6000
 BLU_1.0MM^2 6000
 BLU_1.0MM^2 6001
 BLU_1.0MM^2 6007
 BLU_1.0MM^2 6002
 BLU_1.0MM^2 261
 BLU_1.0MM^2 6003
 BLU_1.0MM^2 259
 BLU_1.0MM^2 6004
 BLU_1.0MM^2 5010
 BLU_1.0MM^2 6005

+24V.1 BLU_1.0MM^2;+24V.1 JUMBER
 +24V.1 BLU_1.0MM^2;+24V.1 JUMBER
 6000 BLU_1.0MM^2
 6000 BLU_1.0MM^2;6000 JUMBER
 6001 BLU_1.0MM^2
 6007 BLU_1.0MM^2
 6002 BLU_1.0MM^2
 261 BLU_1.0MM^2
 6003 BLU_1.0MM^2
 259 BLU_1.0MM^2
 6004 BLU_1.0MM^2
 5010 BLU_1.0MM^2
 6005 BLU_1.0MM^2

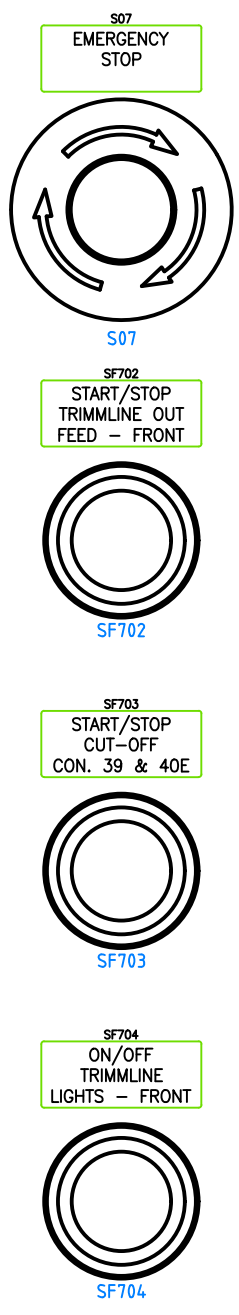


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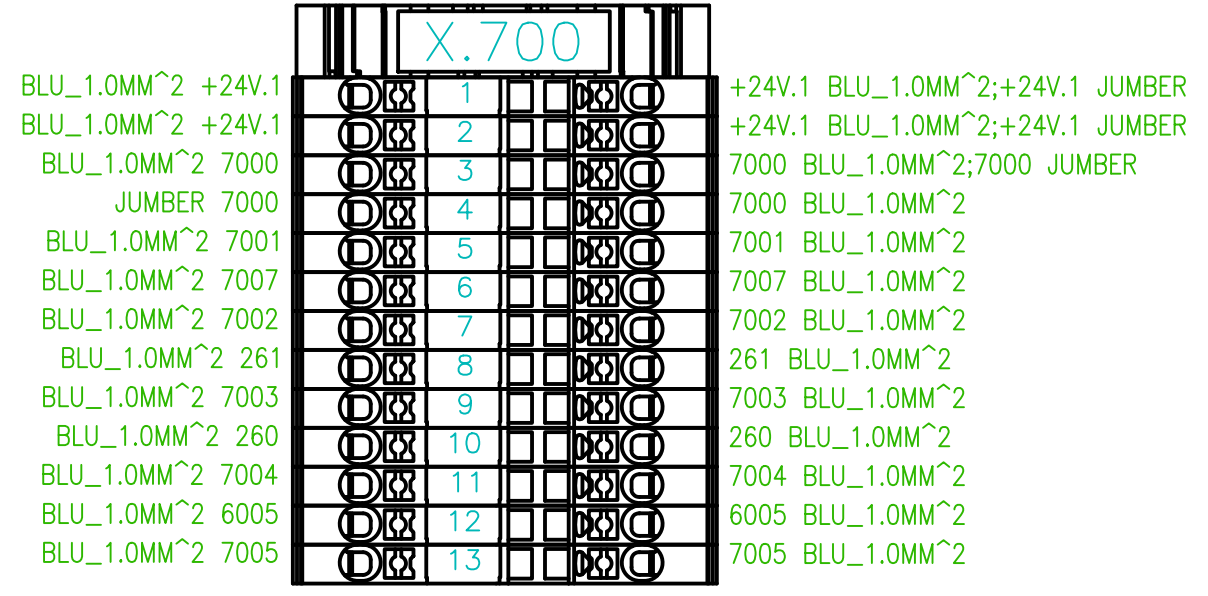
Baldvin Njalsson GK: Processing plant

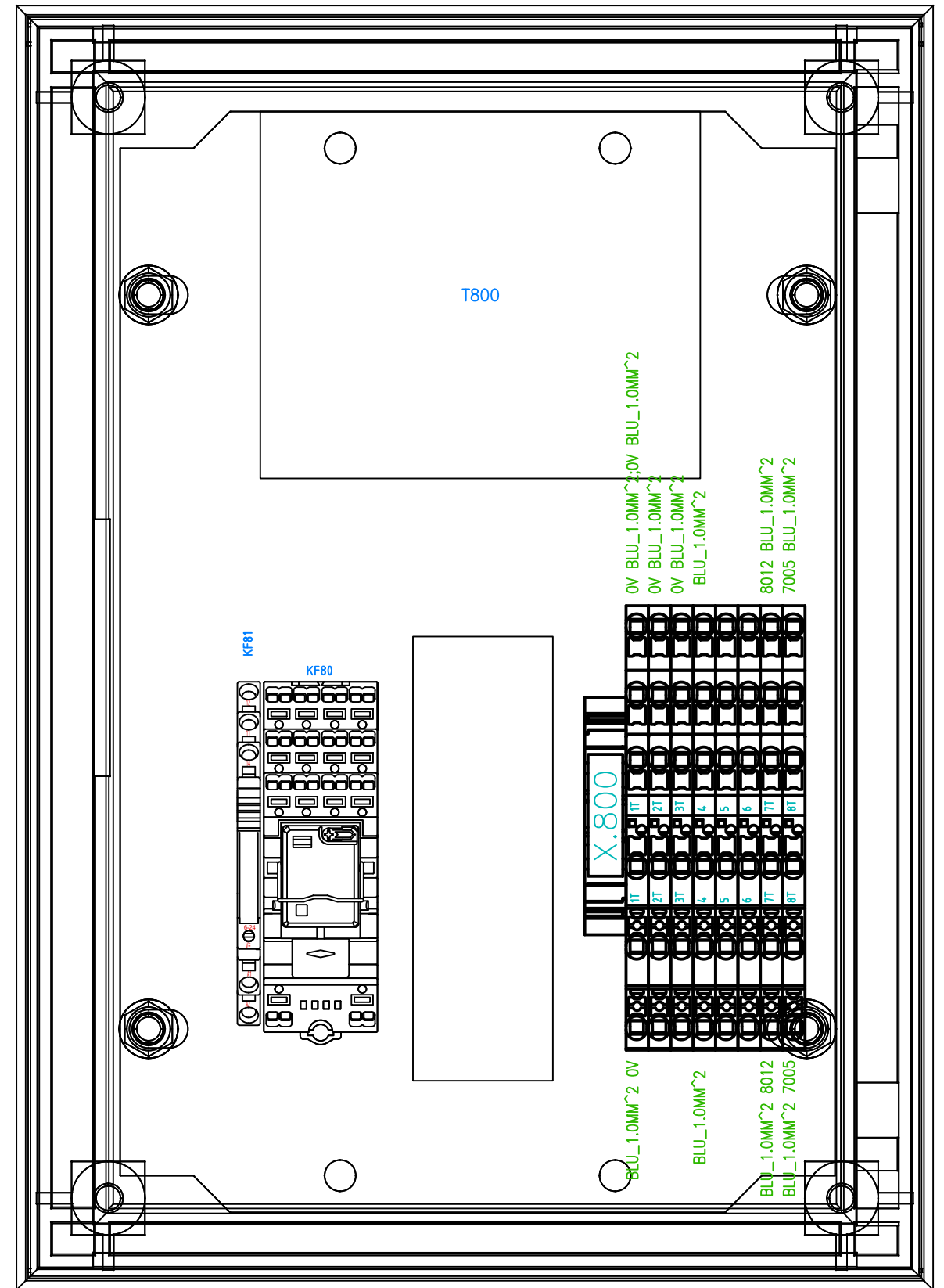
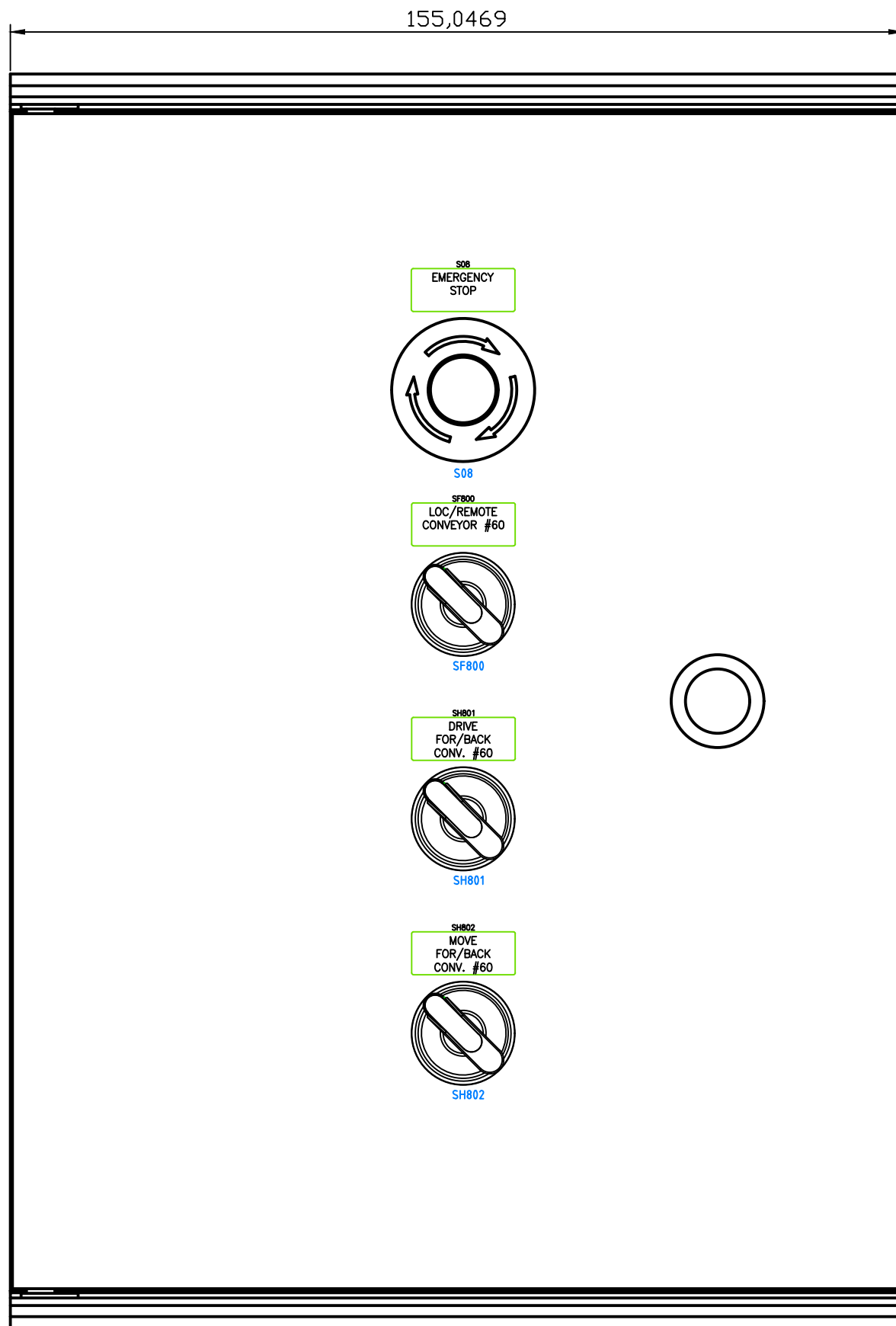
Control Panel S6-E
Enclosure layout

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	OF
DRAWING NO: R-2112100			132
REV	Comments	Date	By
Drawing Type: Electrical			A3



X.700																	
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
							X.700		PHOENIX CONTACT	3022218							○○○
	SM	X.07	6T	+24V.1	BLU_1.0mm ²		1		PHOENIX CONTACT	3209510	BLU_1.0mm ²	+24V.1	14	SF700	S7-E		●○○
											JUMBE R	+24V.1	2	X.700	S7-E		●○○
	S7-E	XI.71	24V	+24V.1	BLU_1.0mm ²		2		PHOENIX CONTACT	3209510	BLU_1.0mm ²	+24V.1	14	SF701	S7-E		●○○
											JUMBE R	+24V.1	1	X.700	S7-E		●○○
	SM	X.07	6M	7000	BLU_1.0mm ²		3		PHOENIX CONTACT	3209510	BLU_1.0mm ²	7000	13	SF700	S7-E		○○○
											JUMBE R	7000	4	X.700	S7-E		○○○
	S7-E	X.700	3	7000	JUMBE R		4		PHOENIX CONTACT	3209510	BLU_1.0mm ²	7000	13	SF701	S7-E		○○○
	SM	X.07	6B	7001	BLU_1.0mm ²		5		PHOENIX CONTACT	3209510	BLU_1.0mm ²	7001	Whi	SF702	S7-E		○○○
	SM	X.07	8T	7007	BLU_1.0mm ²		6		PHOENIX CONTACT	3209510	BLU_1.0mm ²	7007	Gre	SF702	S7-E		○○○
	SM	X.06	5T	7002	BLU_1.0mm ²		7		PHOENIX CONTACT	3209510	BLU_1.0mm ²	7002	Whi	SF703	S7-E		○○○
	SM	X.07	4M	261	BLU_1.0mm ²		8		PHOENIX CONTACT	3209510	BLU_1.0mm ²	261	Red	SF703	S7-E		○○○
	SM	X.06	5M	7003	BLU_1.0mm ²		9		PHOENIX CONTACT	3209510	BLU_1.0mm ²	7003	Whi	SF704	S7-E		○○○
	SM	X.07	5B	260	BLU_1.0mm ²		10		PHOENIX CONTACT	3209510	BLU_1.0mm ²	260	Gre, Red, Pi	SF704	S7-E		○○○
	SM	X.07	4B	7004	BLU_1.0mm ²		11		PHOENIX CONTACT	3209510	BLU_1.0mm ²	7004	BK	BG740	C40D		○○○
	SM	X.07	7B	6005	BLU_1.0mm ²		12		PHOENIX CONTACT	3209510	BLU_1.0mm ²	6005	1	S07	S7-E		○○○
	SM	X.07	7M	7005	BLU_1.0mm ²		13		PHOENIX CONTACT	3209510	BLU_1.0mm ²	7005	2	S07	S7-E		○○○





REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

DATE	20.08.20	NAME	PSH	PRJ NO:	BN-27
Edit					
Chec.					
DRAWING NO:	R-1062100				

SHEET 97 OF 132

A3

Installed by KLAKI

Cable summary list			
CBL	SH	REF	DESC1
W.700	28	4	2 X 1MM
W.701	28	5	2 X 1MM
W.S40B	30	3	3 X 1MM
W.S40D	30	5	3 X 1MM
W.S551	32	6	3 X 1MM
W.S552	32	7	3 X 1MM

Installed by OPTIMAR

CBL	SH	REF	DESC1
EC-3	37	2	CAT 6
EC-4	48	8	CAT 6
EC-5	63	8	CAT 6
W.803	29	5	2 X 1MM
W.804	29	5	2 X 1MM
W.EA171	17	2	2 X 2,5MM
W.EA172	17	3	2 X 2,5MM
W.EA173	17	5	2 X 2,5MM
W.EA174	17	6	2 X 2,5MM
W.EA175	18	2	2 X 2,5MM
W.EA176	18	4	2 X 2,5MM
W.EA177	18	5	2 X 2,5MM
W.M18a	10	2	4G 1,5MM SCR
W.M18b	10	4	4G 1,5MM SCR
W.M19a	10	6	4G 1,5MM SCR
W.M19b	10	7	4G 1,5MM SCR
W.M37a	12	2	4G 1,5MM SCR
W.M37b	12	4	4G 1,5MM SCR
W.M39	15	3	4G 1,5MM SCR
W.M40a	12	6	4G 1,5MM SCR
W.M40b	12	7	4G 1,5MM SCR
W.M40c	13	2	4G 1,5MM SCR
W.M40d	13	4	4G 1,5MM SCR
W.M40e	15	2	4G 1,5MM SCR
W.M41	13	5	4G 1,5MM SCR
W.M42	13	7	4G 1,5MM SCR
W.M55a	11	2	4G 1,5MM SCR
W.M55b	11	4	4G 1,5MM SCR
W.M60a	14	2	4G 1,5MM SCR
W.M60b	14	4	4G 1,5MM SCR
W.M61	14	5	4G 1,5MM SCR
W.NS2	22	2	2 X 1MM
W.NS3	22	4	2 X 1MM
W.DPT	24	1	2 X 1MM
W.P2	8	8	3G 1,5MM

CBL	SH	REF	DESC1
W.P3	9	1	3G 1,5MM
W.P9	9	2	3G 1,5MM
W.S1-E	25	3	18G 1MM
W.S171	31	2	3 X 1MM
W.S172	31	3	3 X 1MM
W.S173	31	4	3 X 1MM
W.S174	31	5	3 X 1MM
W.S175	32	2	3 X 1MM
W.S176	32	3	3 X 1MM
W.S177	32	4	3 X 1MM
W.S4-E	27	2	2G 1MM
W.S41	30	4	3 X 1MM
W.S42	30	7	3 X 1MM
W.S5-E	27	2	18G 1MM
W.S550	32	6	4 X 1MM
W.S8-E	29	2	18G 1MM
W.TS-1	21	2	2 X 2,5MM
W.TS-2	21	4	2 X 2,5MM
WB.100	47	6	2 X 1MM
WY.24	20	3	2G 1MM
WY.26a	20	5	2G 1MM
WY.26b	20	6	2G 1MM
WY.27	20	4	2G 1MM
WY.50	20	2	2G 1MM
WY.SK1	19	2	2G 1MM
WY.SK2	19	6	2G 1MM
WY.SK3	19	3	2G 1MM
WY.SK4	19	4	2G 1MM
WY.SK5	19	7	2G 1MM
WY.SK6	19	5	2G 1MM
W.S6-E	28	1	12 X 1MM
W.S7-E	28	4	12 X 1MM

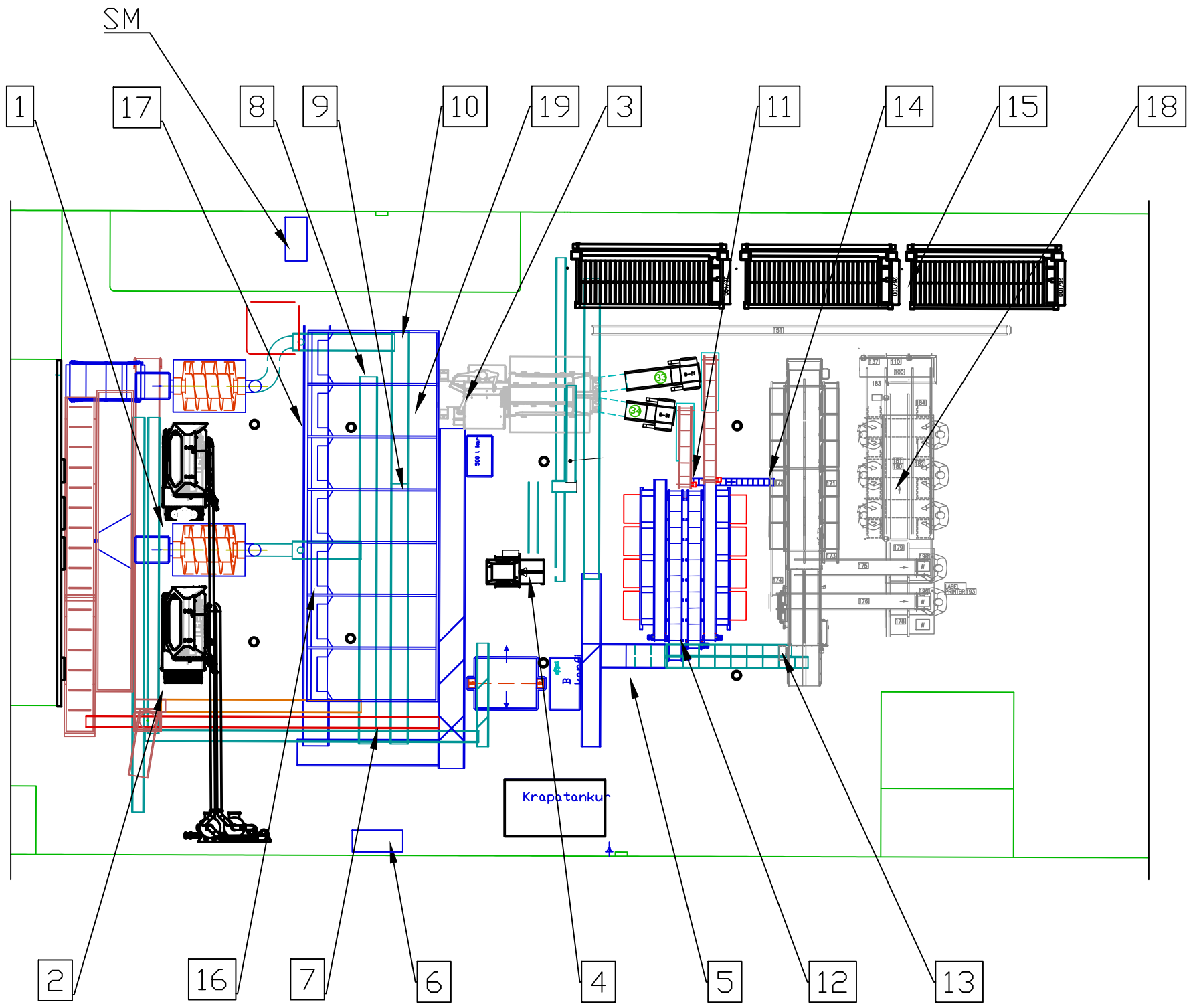


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Baldvin Njalsson GK: Processing plant

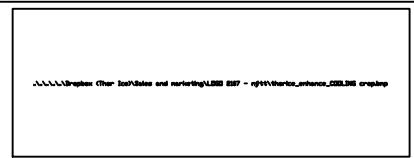
Report
Cable list

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	98
DRAWING NO:			OF
			131
REV	Comments	Date	By
0	First Review	25.9.2020	PSH
Drawing Type: Electrical			A3



Place nr.	Cable TAG	Comments
1	WY.SK1	
	WY.SK3	
	W.S1-E	
2	W.P2	
	WY.SK4	
	WY.SK6	
	W.NS2	
3	EC-3	From SM
	W.P3	
	WY.SK2	
	WY.SK5	
4	WY.50	
	W.S4-E	
	EC-4	From place nr. 2
5	WY.24	
	WY.27	
	WY.26a	
	WY.26b	
	W.S5-E	
6	W.P9	
	EC-5	From place nr. 3
7	W.M18a	
	W.M19a	
8	W.M18b	
	W.M19b	
9	W.M19a	
	W.M55a	
10	W.M55b	
	W.M37a	
11	W.M37b	
	W.M40e	

Place nr.	Cable TAG	Comments
12	W.M40a	
	W.M40b	
	W.M40c	
	W.M40d	
	W.TS-1	
	W.TS-2	
13	W.S6-E	
	W.S7-E	
	W.S41	
14	W.S42	
	W.M41	
15	W.M42	
	W.M39	
16	W.M60a	
	W.M60b	
	W.M61	
	W.S8-E	
	W.EA171	Cable attached to Actuator
17	W.EA172	Cable attached to Actuator
	W.EA173	Cable attached to Actuator
	W.S171	
	W.S172	
18	W.S173	
	W.EA174	Cable attached to Actuator
	W.EA175	Cable attached to Actuator
	W.EA176	Cable attached to Actuator
	W.EA177	Cable attached to Actuator
	W.S174	
19	W.S175	
	W.S176	
	W.S177	
	W.OPT	Advice with supervisor



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Baldvin Njalsson GK: Processing plant
Report
Cable exit points in layout

REV	Comments	Date	By	Drawing Type:	Electrical
1	Cable summary	22.1.2021	PSH		
0	First Review	25.9.2020	PSH		

Installation: ID: X.01		Location: SM			Terminal Strip	
STRIP-ID	TERM	WIRENO	INST	LOC	REF	SHCAT
X.014	PE			SM	2	53214024
X.013	L3			SM	2	53214029
X.012	L2			SM	1	53214029
X.011	L1			SM	1	53214029

Installation: ID: X.02		Location: SM			Terminal Strip	
STRIP-ID	TERM	WIRENO	INST	LOC	REF	SHCAT
X.023U	L2-6			SM	2	63213949
X.023PE	PE-6			SM	3	63213949
X.023L	L3-6			SM	3	63213949
X.022U	L3-5			SM	1	63213949
X.022PE	PE-5			SM	2	63213949
X.022L	L1-5			SM	1	63213949
X.021U	L1-4			SM	7	53213949
X.021PE	PE			SM	7	53213949
X.021L	L2-4			SM	7	53213949

Installation: ID: X.03		Location: SM			Terminal Strip	
STRIP-ID	TERM	WIRENO	INST	LOC	REF	SHCAT
X.039U	0V.2			SM	4	173213953
X.039L	4			SM	4	173213953
X.038U	0V.2			SM	3	173213953
X.038L	3			SM	3	173213953
X.037U	0V.2			SM	2	173213953
X.037L	2A			SM	2	173213953
X.036U	0V.2			SM	7	163213953
X.036L	7			SM	7	163213953
X.035U	0V.2			SM	6	163213953
X.035L	6A			SM	6	163213953
X.034U	0V.2			SM	5	163213953
X.034L	5			SM	5	163213953
X.033U	0V.2			SM	4	163213953
X.033L	4A			SM	4	163213953
X.032U	0V.2			SM	3	163213953
X.032L	3			SM	3	163213953
X.031U	2A			SM	2	163213953
X.031L	0V.2			SM	2	163213953
X.0311U	0V.2			SM	6	173213953
X.0311L	6			SM	6	173213953
X.0310U	0V.2			SM	5	173213953
X.0310L	5			SM	5	173213953

Installation: ID: X.04		Location: SM			Terminal Strip	
STRIP-ID	TERM	WIRENO	INST	LOC	REF	SHCAT
X.047U	5			SM	5	153213953
X.047L	5B			SM	6	153213953
X.046U	3A			SM	4	153213953
X.046L	4A			SM	4	153213953
X.045U	2			SM	2	153213953
X.045L	2B			SM	2	153213953
X.044U	6			SM	6	143213953
X.044L	6B			SM	7	143213953
X.043U	5			SM	5	143213953
X.043L	5B			SM	5	143213953
X.042U	3			SM	3	143213953
X.042L	3B			SM	4	143213953
X.041U	1			SM	2	143213953
X.041L	1B			SM	2	143213953

Installation: ID: X.05		Location: SM			Terminal Strip	
STRIP-ID	TERM	WIRENO	INST	LOC	REF	SHCAT
X.056T	???			SM	2	193213713
X.056M	1004			SM	6	203213713
X.056M	+24V.1			SM	2	193213713
X.055T	1012			SM	6	213213713
X.055B	1011			SM	5	213213713
X.054T	1006			SM	7	203213713
X.054M	1010			SM	5	213213713
X.054B	1005			SM	7	203213713
X.053T	1009			SM	4	213213713
X.053M	1003			SM	5	203213713
X.053B	1008			SM	4	213213713
X.052T	1002			SM	5	203213713
X.052M	1007			SM	3	213213713
X.052B	1001			SM	4	203213713
X.051T				SM	4	203213713
X.051M	+24V.1			SM	3	203213713
X.051B	0V			SM	2	213213713

Installation: ID: X.06		Location: SM			Terminal Strip	
STRIP-ID	TERM	WIRENO	INST	LOC	REF	SHCAT
X.065T	7002			SM	6	233213713
X.065M	???			SM	4	193213713
X.065M	7003			SM	7	233213713
X.065B	???			SM	4	193213713
X.064T	5004			SM	5	223213713
X.064M	???			SM	4	293213713
X.064B	5005			SM	5	223213713
X.063T	???			SM	3	293213713
X.063M	5003			SM	4	223213713
X.063B	???			SM	4	293213713
X.062T	5001			SM	3	223213713
X.062M				SM	2	293213713
X.062B	5002			SM	4	223213713
X.061T	+24V.1			SM	2	223213713
X.061M	0V			SM	2	293213713
X.061B	5000			SM	2	223213713

Installation: ID: X.07		Location: SM			Terminal Strip	
STRIP-ID	TERM	WIRENO	INST	LOC	REF	SHCAT
X.077M	5A			SM	5	193213713
X.077B	5			SM	5	193213713
X.076T	+24V.1			SM	4	233213713
X.076M	7000			SM	4	233213713
X.076B	7001			SM	5	233213713
X.075T	5			SM	5	193213713
X.075T				SM	6	363213713
X.075M	???			SM	5	193213713
X.074T	0V			SM	6	363213713
X.074M				SM	8	363213713
X.074B	7004			SM	5	253213713
X.073T	0V			SM	5	363213713
X.073M				SM	7	363213713
X.073B	6004			SM	4	253213713
X.072T	6002			SM	3	233213713
X.072M	6003			SM	4	233213713
X.072B				SM	5	363213713
X.071T	+24V.1			SM	2	233213713
X.071M	6000			SM	2	233213713
X.071B	6001			SM	2	233213713

Installation: ID: X.08		Location: SM			Terminal Strip	
STRIP-ID	TERM	WIRENO	INST	LOC	REF	SHCAT
X.084T	4			SM	5	193213713
X.084M	5A			SM	5	193213713
X.084B	8012			SM	6	243213713
X.083T	8010			SM	5	243213713
X.083M	8009			SM	5	243213713
X.083B	8008			SM	4	243213713
X.082T	8006			SM	4	243213713
X.082M	8004			SM	3	243213713
X.082B	8002			SM	2	243213713
X.081T	8000			SM	2	243213713
X.081M	0V			SM	1	243213713
X.081B	+24V.1			SM	2	243213713

Installation: ID: X.09		Location: SM			Terminal Strip	
STRIP-ID	TERM	WIRENO	INST	LOC	REF	SHCAT
X.099T				SM	7	253213713
X.099M				SM	7	253213713
X.099B				SM	6	253213713
X.098T	+24V.1			SM	4	253213713
X.098M	0V			SM	5	253213713
X.098B				SM	5	253213713
X.097T	+24V.1			SM	4	273213713
X.097M	770			SM	4	273213713
X.097B	771			SM	5	273213713
X.096T	+24V.1			SM	3	273213713
X.096M	760			SM	3	273213713
X.096B	761			SM	4	273213713
X.095T	+24V.1			SM	2	273213713
X.095M	750			SM	2	273213713
X.095B	751			SM	2	273213713
X.094T	+24V.1			SM	5	263213713
X.094M	740			SM	5	263213713
X.094B	741			SM	6	263213713
X.093T	+24V.1			SM	4	263213713
X.093M	730			SM	4	263213713
X.093B	731			SM	5	263213713
X.092T	+24V.1			SM	3	263213713
X.092M	720			SM	3	263213713
X.092B	721			SM	4	263213713
X.091T	+24V.1			SM	2	263213713
X.091M	710			SM	2	263213713
X.091B	711			SM	2	263213713
X.0911				SM	7	273213713
X.0911				SM	7	273213713



Baldvin Njalsson GK: Processing plant

FILENAME: 040 PLC IO list.dwg

LOCATION:

INSTALLATION:

REV

Comments

By

Drawing Type:

Electrical

SHEET

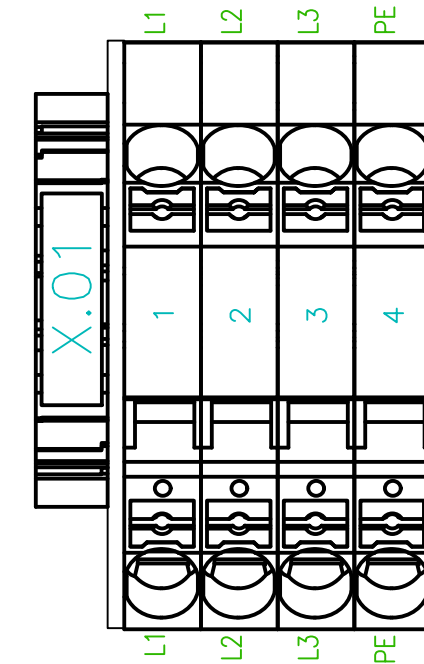
99

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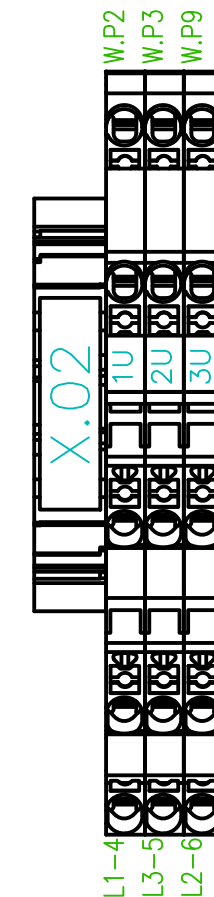
131

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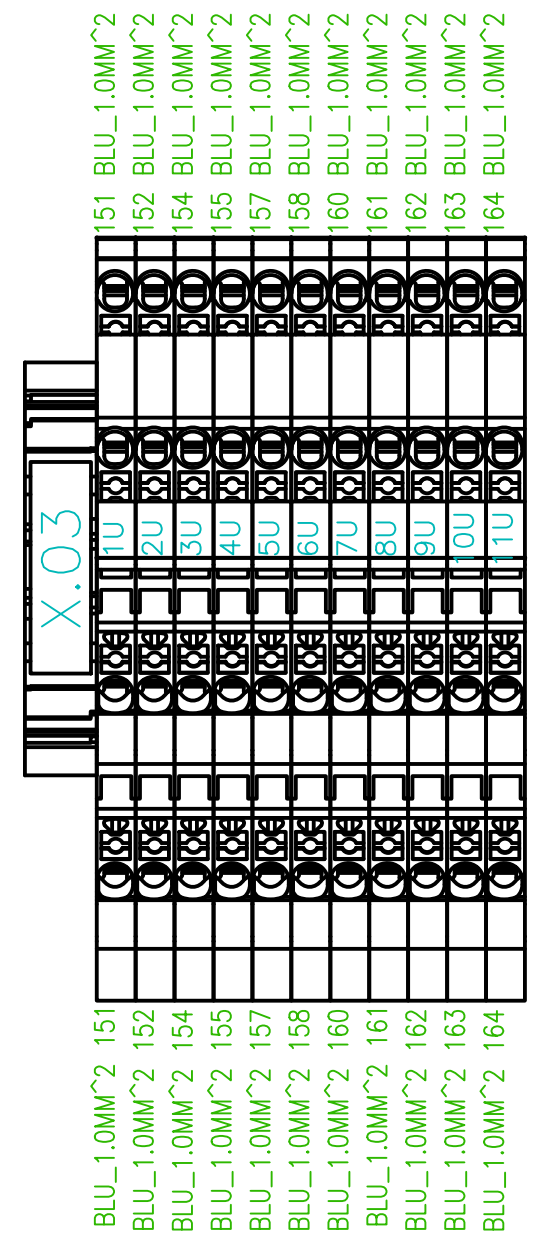
X.01																	
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
							X.01		PHOENIX CONTACT	3022218							
							x		PHOENIX CONTACT	3214027							
	SM			L1	BLK_16.0mm ²		1		PHOENIX CONTACT	3214029	GRY_16.0mm ²	L1					○○○
	SM			L2	BLK_16.0mm ²		2		PHOENIX CONTACT	3214029	GRY_16.0mm ²	L2					○○○
	SM			L3	BLK_16.0mm ²		3		PHOENIX CONTACT	3214029	GRY_16.0mm ²	L3					○○○
	SM			PE	GRN_16.0mm ²		4		PHOENIX CONTACT	3214024	GRN_16.0mm ²	PE					○○○



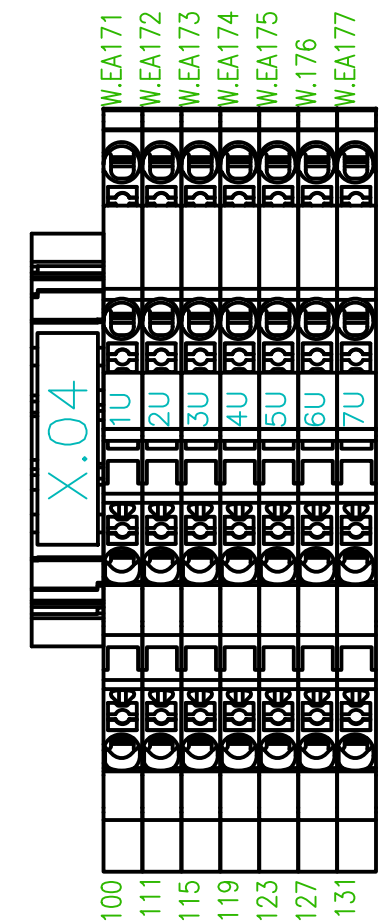
X.02																			
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper		
							X.02		PHOENIX CONTACT	3022218									
	SM	QA4		L1-4	BLK_1.5mm ²	U	1U	U	PHOENIX CONTACT	3213949	BLK_1.0mm ²	L1-4	2	X.200	S2-E		○○○		
	SM	QA4		L2-4	BLK_1.5mm ²	L	1L	L			BLK_1.0mm ²	L2-4	1	X.200	S2-E				○○○
	SM			PE	GRN_1.0mm ²	PE	1PE	PE			GRN_1.0mm ²	PE	3	X.200	S2-E				○○○
	SM	QA5		L3-5	BLK_1.5mm ²	U	2U	U	PHOENIX CONTACT	3213949	BLK_1.5mm ²	L3-5	1	X.300	S3-E		○○○		
	SM	QA5		L1-5	BLK_1.5mm ²	L	2L	L			BLK_1.5mm ²	L1-5	2	X.300	S3-E				○○○
						PE	2PE	PE			GRN_1.5mm ²	PE-5	4	X.300	S3-E				○○○
	SM	QA6		L2-6	BLK_1.5mm ²	U	3U	U	PHOENIX CONTACT	3213949	BLK_1.5mm ²	L2-6	1	X.900	PJB		○○○		
	SM	QA6		L3-6	BLK_1.5mm ²	L	3L	L			BLK_1.5mm ²	L3-6	2	X.900	PJB				○○○
						PE	3PE	PE			GRN_1.5mm ²	PE-6	3	X.900	PJB				○○○



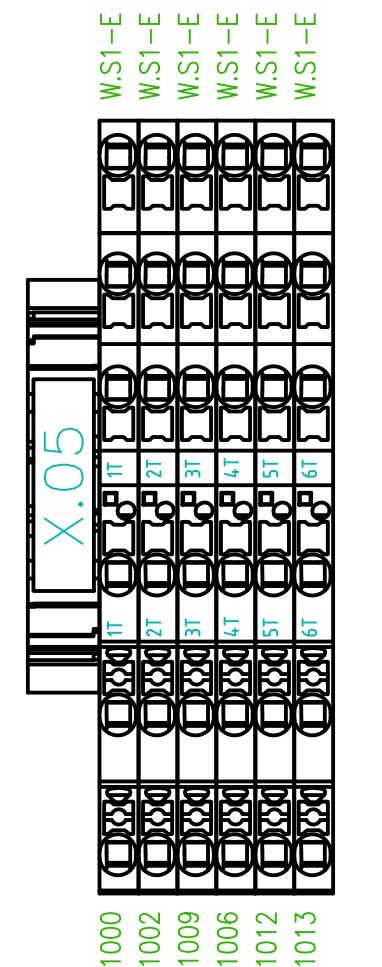
X.03																	
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
							X.03		PHOENIX CONTACT	3022218							
	SM	KY.SK1	14	151	BLU_1.0 mm ²	U	1U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	151	1	HY-SOL-S K1	S1-H		○ ○ ○
	SM	GB02	-	0V.2	BLU_1.0 mm ²	L	1L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2	2	HY-SOL-S K1	S1-H		○ ○ ○
	SM	X.03	2L	0V.2	JUMBER												
	SM	KY.SK3	14	152	BLU_1.0 mm ²	U	2U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	152	1	HY-SOL-S K3	S1-H		○ ○ ○
	SM	X.03	1L	0V.2	JUMBER	L	2L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2	2	HY-SOL-S K3	S1-H		○ ○ ○
	SM	X.03	3L	0V.2	JUMBER												
	SM	KY.SK4	14	154	BLU_1.0 mm ²	U	3U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	154	1	HY-SOL-S K4	S2-H		○ ○ ○
	SM	X.03	2L	0V.2	JUMBER	L	3L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2	2	HY-SOL-S K4	S2-H		○ ○ ○
	SM	X.03	4L	0V.2	JUMBER												
	SM	KY.SK6	14	155	BLU_1.0 mm ²	U	4U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	155		HY-SOL-S K6	S2-H		○ ○ ○
	SM	X.03	3L	0V.2	JUMBER	L	4L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2		HY-SOL-S K6	S2-H		○ ○ ○
	SM	X.03	5L	0V.2	JUMBER												
	SM	KY.SK2	14	157	BLU_1.0 mm ²	U	5U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	157		HY-SOL-S K2	S3-H		○ ○ ○
	SM	X.03	4L	0V.2	JUMBER	L	5L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2		HY-SOL-S K2	S3-H		○ ○ ○
	SM	X.03	6L	0V.2	JUMBER												
	SM	KY.SK5	14	158	BLU_1.0 mm ²	U	6U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	158		HY-SOL-S K5	S3-H		○ ○ ○
	SM	X.03	5L	0V.2	JUMBER	L	6L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2		HY-SOL-S K5	S3-H		○ ○ ○
	SM	X.03	7L	0V.2	JUMBER												
	SM	KY.50	14	160	BLU_1.0 mm ²	U	7U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	160		HY-SOL-5 0	S4-H		○ ○ ○
	SM	X.03	6L	0V.2	JUMBER	L	7L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2		HY-SOL-5 0	S4-H		○ ○ ○
	SM	X.03	8L	0V.2	JUMBER												
	SM	KY.24	14	161	BLU_1.0 mm ²	U	8U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	161		HY-SOL-2 4	S5-H		○ ○ ○
	SM	X.03	7L	0V.2	JUMBER	L	8L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2		HY-SOL-2 4	S5-H		○ ○ ○
	SM	X.03	9L	0V.2	JUMBER												
	SM	KY.27	14	162	BLU_1.0 mm ²	U	9U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	162		HY-SOL27	S5-H		○ ○ ○
	SM	X.03	8L	0V.2	JUMBER	L	9L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2		HY-SOL27	S5-H		○ ○ ○
	SM	X.03	10L	0V.2	JUMBER												
	SM	KY.26a	14	163	BLU_1.0 mm ²	U	10U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	163		HY-SOL26 a	S5-H		○ ○ ○
	SM	X.03	9L	0V.2	JUMBER	L	10L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2		HY-SOL26 a	S5-H		○ ○ ○
	SM	X.03	11L	0V.2	JUMBER												
	SM	KY.26b	14	164	BLU_1.0 mm ²	U	11U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	164		HY-SOL26 B	S5-H		○ ○ ○
	SM	X.03	10L	0V.2	JUMBER	L	11L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm ²	0V.2		HY-SOL26 B	S5-H		○ ○ ○



X.04																	
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
							X.04		PHOENIX CONTACT	3022218							
	SM	XI.05	1	100	BLU_2.5mm^2	U	1U	U	PHOENIX CONTACT	3213953	BLU_2.5mm^2	100		EA17-1	SB17-1		○○○
	SM	XI.05	2	109	BLU_2.5mm^2	L	1L	L	PHOENIX CONTACT	3213953	BLU_2.5mm^2	109		EA17-1	SB17-1		○○○
	SM	XI.05	3	111	BLU_2.5mm^2	U	2U	U	PHOENIX CONTACT	3213953	BLU_2.5mm^2	111		EA17-2	SB17-2		○○○
	SM	XI.05	4	113	BLU_2.5mm^2	L	2L	L	PHOENIX CONTACT	3213953	BLU_2.5mm^2	113		EA17-2	SB17-2		○○○
	SM	XI.05	5	115	BLU_2.5mm^2	U	3U	U	PHOENIX CONTACT	3213953	BLU_2.5mm^2	115		EA17-3	SB17-3		○○○
	SM	XI.05	6	117	BLU_2.5mm^2	L	3L	L	PHOENIX CONTACT	3213953	BLU_2.5mm^2	117		EA17-3	SB17-3		○○○
	SM	XI.05	7	119	BLU_2.5mm^2	U	4U	U	PHOENIX CONTACT	3213953	BLU_2.5mm^2	119		EA17-4	SB17-4	KLAKI	○○○
	SM	XI.05	8	121	BLU_2.5mm^2	L	4L	L	PHOENIX CONTACT	3213953	BLU_2.5mm^2	121		EA17-4	SB17-4	KLAKI	○○○
	SM	XI.05	9	123	BLU_2.5mm^2	U	5U	U	PHOENIX CONTACT	3213953	BLU_2.5mm^2	123		EA17-5	SB17-5		○○○
	SM	XI.05	10	125	BLU_2.5mm^2	L	5L	L	PHOENIX CONTACT	3213953	BLU_2.5mm^2	125		EA17-5	SB17-5		○○○
	SM	XI.05	11	127	BLU_2.5mm^2	U	6U	U	PHOENIX CONTACT	3213953	BLU_2.5mm^2	127		EA17-6	SB17-6		○○○
	SM	XI.05	12	129	BLU_2.5mm^2	L	6L	L	PHOENIX CONTACT	3213953	BLU_2.5mm^2	129		EA17-6	SB17-6		○○○
	SM	XI.05	13	131	BLU_2.5mm^2	U	7U	U	PHOENIX CONTACT	3213953	BLU_2.5mm^2	131		EA17-7	SB17-7		○○○
	SM	XI.05	14	133	BLU_2.5mm^2	L	7L	L	PHOENIX CONTACT	3213953	BLU_2.5mm^2	133		EA17-7	SB17-7		○○○



X.05																	
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
							X.05		PHOENIX CONTACT	3022218							
	SM	PLC-00	0	1000	BLU_1.0mm^2	T	1T	T	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1000	1T	X.100	S1-E		○○○
	SM	XI.00	+24V.1	+24V.1	BLU_1.0mm^2	M	1M	M	PHOENIX CONTACT	3210499	BLU_1.0mm^2	+24V.1	1M	X.100	S1-E		○○○
	SM	XI.00	0V	0V	BLU_1.0mm^2	B	1B	B	PHOENIX CONTACT	3210499	BLU_1.0mm^2	0V	1B	X.100	S1-E		○○○
	SM	PLC-00	2	1002	BLU_1.0mm^2	T	2T	T	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1002	5T	X.100	S1-E		○○○
	SM	PLC-00	8	1007	BLU_1.0mm^2	M	2M	M	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1007	2T	X.100	S1-E		○○○
	SM	PLC-00	1	1001	BLU_1.0mm^2	B	2B	B	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1001	3T	X.100	S1-E		○○○
	SM	PLC-00	10	1009	BLU_1.0mm^2	T	3T	T	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1009	6T	X.100	S1-E		○○○
	SM	PLC-00	3	1003	BLU_1.0mm^2	M	3M	M	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1003	7T	X.100	S1-E		○○○
	SM	PLC-00	9	1008	BLU_1.0mm^2	B	3B	B	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1008	4T	X.100	S1-E		○○○
	SM	PLC-00	6	1006	BLU_1.0mm^2	T	4T	T	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1006	11T	X.100	S1-E		○○○
	SM	PLC-00	11	1010	BLU_1.0mm^2	M	4M	M	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1010	8T	X.100	S1-E		○○○
	SM	PLC-00	5	1005	BLU_1.0mm^2	B	4B	B	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1005	9T	X.100	S1-E		○○○
	SM	PLC-00	13	1012	BLU_1.0mm^2	T	5T	T	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1012	12T	X.100	S1-E		○○○
									PHOENIX CONTACT	3210499							○○○
	SM	PLC-00	12	1011	BLU_1.0mm^2	B	5B	B	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1011	10T	X.100	S1-E		○○○
	SM	X.10	6T	1013	BLU_1.0mm^2	T	6T	T	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1013	16T	X.100	S1-E		○○○
	SM	X.10	7U	+24V.1	BLU_1.0mm^2	M	6M	M	PHOENIX CONTACT	3210499	BLU_1.0mm^2	+24V.1	15T	X.100	S1-E		○○○
	SM	XI.00	+24V.1	+24V.1	BLU_1.0mm^2	M	6M	M	PHOENIX CONTACT	3210499							○○○
	SM	PLC-00	4	1004	BLU_1.0mm^2	B	6B	B	PHOENIX CONTACT	3210499	BLU_1.0mm^2	1004	13T	X.100	S1-E		○○○

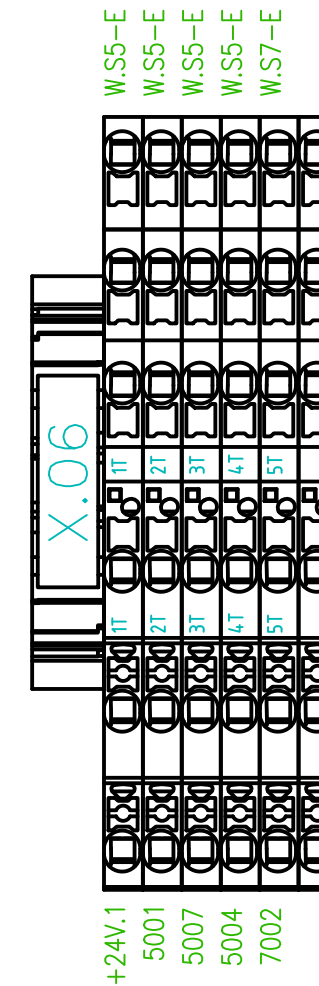


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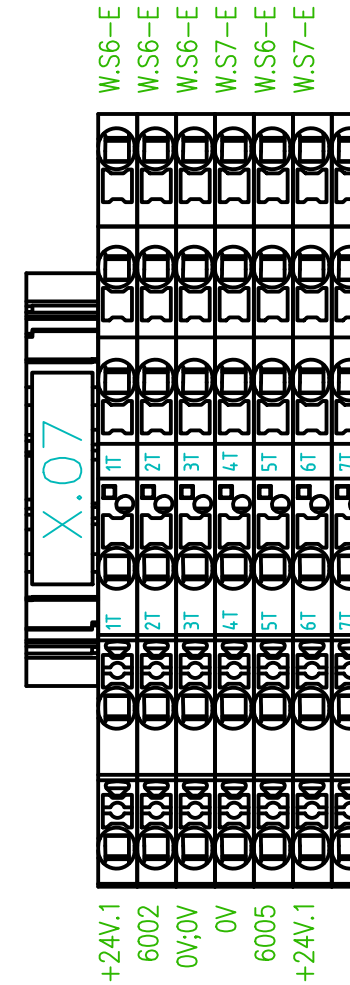
Baldvin Njalsson GK: Processing plant
 Control Panel SM
 Terminals
 X.04 & X.05
 LOCATION: SM
 INSTALLATION:

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	102
1	Cable summary	22.1.2021	PSH
0	First Review	25.9.2020	PSH
REV	Comments	Date	By
DRAWING NO:	R-5062108		OF
Drawing Type:	Electrical		131
			A3

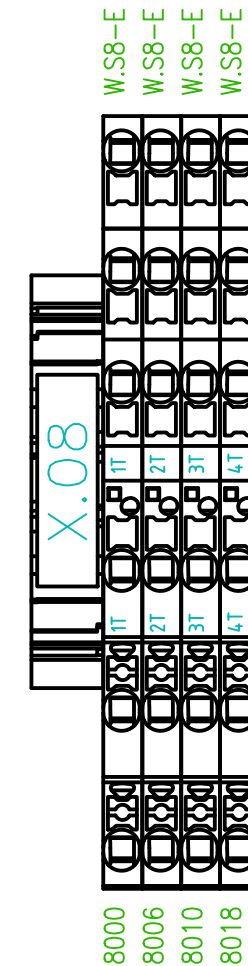
X.06																	
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
							X.06		PHOENIX CONTACT	3022218							
	SM	X.10	5U	+24V.1	BLU_1.0 mm^2	T	1T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1M	X.500	S5-E		○○○
	SM	XI.00	0V	0V	BLU_1.0 mm^2	M	1M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	1B	X.500	S5-E		○○○
	SM	PLC-01	1	5000	BLU_1.0 mm^2	B	1B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5000	1T	X.500	S5-E		○○○
	SM	PLC-01	2	5001	BLU_1.0 mm^2	T	2T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5001	3T	X.500	S5-E		○○○
	SM	PLC-04	0	5006	BLU_1.0 mm^2	M	2M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5006	2T	X.500	S5-E		○○○
	SM	PLC-01	3	5002	BLU_1.0 mm^2	B	2B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5002	5T	X.500	S5-E		○○○
	SM	PLC-04	1	5007	BLU_1.0 mm^2	T	3T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5007	4T	X.500	S5-E		○○○
	SM	PLC-01	4	5003	BLU_1.0 mm^2	M	3M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5003	7T	X.500	S5-E		○○○
	SM	PLC-04	2	5008	BLU_1.0 mm^2	B	3B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5008	6T	X.500	S5-E		○○○
	SM	PLC-01	5	5004	BLU_1.0 mm^2	T	4T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5004	9T	X.500	S5-E		○○○
	SM	PLC-04	3	5009	BLU_1.0 mm^2	M	4M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5009	8T	X.500	S5-E		○○○
	SM	PLC-01	6	5005	BLU_1.0 mm^2	B	4B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5005	11T	X.500	S5-E		○○○
	SM	PLC-01	16	7002	BLU_1.0 mm^2	T	5T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	7002	4B	X.700	S7-E		○○○
	SM	PLC-01	17	7003	BLU_1.0 mm^2	M	5M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	7003	5B	X.700	S7-E		○○○
						B		B									○○○
						T		T									○○○
	SM	X.07	5M	5010	BLU_1.0 mm^2	M	6M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5010	10T	X.500	S5-E		○○○
	SM	X.10	7L	3000	BLU_1.0 mm^2	B	6B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	3000	13T	X.500	S5-E		○○○



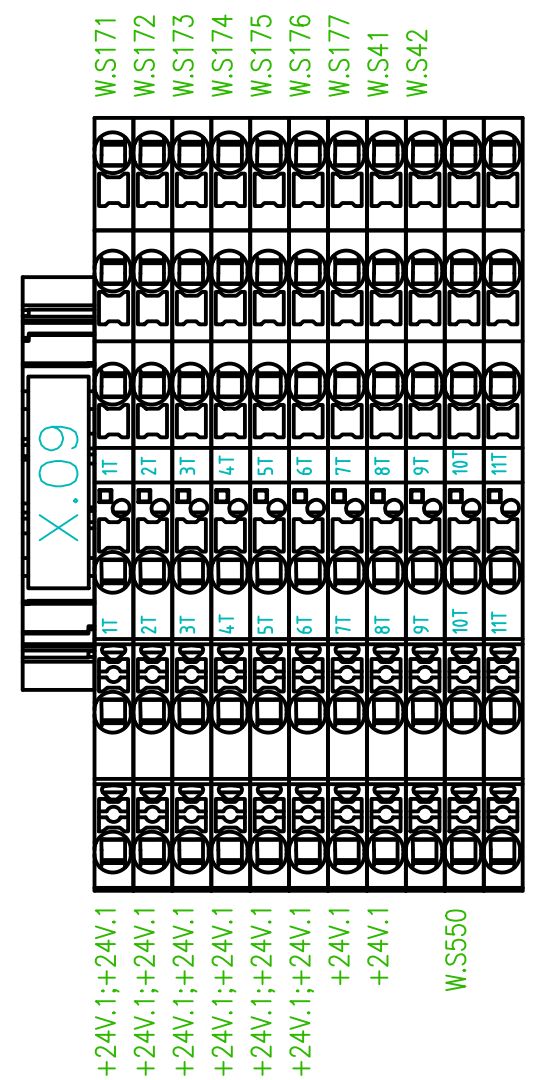
X.07																			
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper		
							X.07		PHOENIX CONTACT	3022218									
	SM	XI.00	+24V.1	+24V.1	BLU_1.0 mm^2	T	1T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1M	X.600	S6-E		○ ○ ○		
	SM	PLC-01	10	6000	BLU_1.0 mm^2	M	1M	M			BLU_1.0 mm^2	6000	2B	X.600	S6-E				○ ○ ○
	SM	PLC-01	11	6001	BLU_1.0 mm^2	B	1B	B			BLU_1.0 mm^2	6001	3B	X.600	S6-E				○ ○ ○
	SM	PLC-01	12	6002	BLU_1.0 mm^2	T	2T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	6002	4B	X.600	S6-E			○ ○ ○	
	SM	PLC-01	13	6003	BLU_1.0 mm^2	M	2M	M			BLU_1.0 mm^2	6003	5B	X.600	S6-E				○ ○ ○
	SM	KF60	A1	259	BLU_1.0 mm^2	B	2B	B			BLU_1.0 mm^2	259	1T	X.600	S6-E				○ ○ ○
	SM	X.07	4T	0V	JUMBER	T	3T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	6T	X.600	S6-E			○ ○ ○	
	SM	XI.00	0V	0V	BLU_1.0 mm^2	T													○ ○ ○
	SM	PLC-09	17	261	BLU_1.0 mm^2	M	3M	M			BLU_1.0 mm^2	261	2T	X.600	S6-E				○ ○ ○
	SM	X.07	4M	261	JUMBER	T			PHOENIX CONTACT	3210499	BLU_1.0 mm^2							○ ○ ○	
	SM	PLC-02	14	6004	BLU_1.0 mm^2	B	3B	B			BLU_1.0 mm^2	6004	6B	X.600	S6-E				○ ○ ○
	SM	X.07	3T	0V	JUMBER	T	4T	T			BLU_1.0 mm^2	0V	6T	X.700	S7-E				○ ○ ○
	SM	X.07	3M	261	JUMBER	M	4M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	261	2T	X.700	S7-E			○ ○ ○	
	SM	PLC-02	16	7004	BLU_1.0 mm^2	B	4B	B			BLU_1.0 mm^2	7004	6B	X.700	S7-E				○ ○ ○
	SM	X.07	7B	6005	BLU_1.0 mm^2	T	5T	T			BLU_1.0 mm^2	6005	7B	X.600	S6-E				○ ○ ○
	SM	X.06	6M	5010	BLU_1.0 mm^2	M	5M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	5010	3T	X.600	S6-E			○ ○ ○	
	SM	KF70	A1	260	BLU_1.0 mm^2	B	5B	B			BLU_1.0 mm^2	260	1T	X.700	S7-E				○ ○ ○
	SM	XI.00	+24V.1	+24V.1	BLU_1.0 mm^2	T	6T	T			BLU_1.0 mm^2	+24V.1	1M	X.700	S7-E				○ ○ ○
	SM	PLC-01	14	7000	BLU_1.0 mm^2	M	6M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	7000	1B	X.700	S7-E			○ ○ ○	
	SM	PLC-01	15	7001	BLU_1.0 mm^2	B	6B	B			BLU_1.0 mm^2	7001	3B	X.700	S7-E				○ ○ ○
						T	7T	T											○ ○ ○
	SM	X.08	4M	7005	BLU_1.0 mm^2	M	7M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	7005	7B	X.700	S7-E			○ ○ ○	
	SM	X.07	5T	6005	BLU_1.0 mm^2	B	7B	B			BLU_1.0 mm^2	6005	3T	X.700	S7-E				○ ○ ○



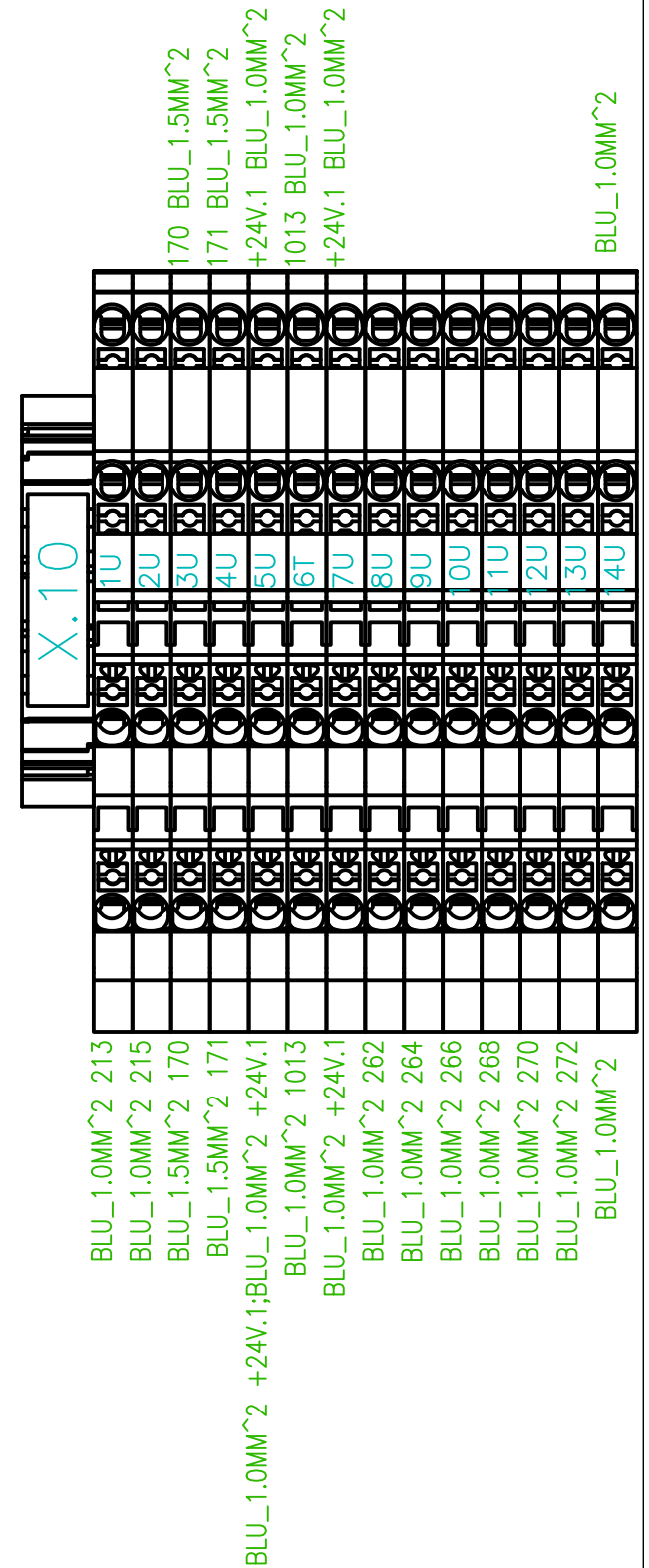
X.08																		
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper	
							X.08		PHOENIX CONTACT	3022218								
	SM	PLC-02	0	8000	BLU_1.0 mm ²	T	1T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	8000	1B	X.800	S8-E		○ ○ ○	
	SM	XI.00	0V	0V	BLU_1.0 mm ²	M	1M	M			BLU_1.0 mm ²	0V	1T	X.800	S8-E			
	SM	XI.00	+24V. 1	+24V.1	BLU_1.0 mm ²	B	1B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	+24V.1	1M	X.800	S8-E			○ ○ ○
	SM	PLC-02	3	8006	BLU_1.0 mm ²	T	2T	T			BLU_1.0 mm ²	8006	4B	X.800	S8-E			
	SM	PLC-02	2	8004	BLU_1.0 mm ²	M	2M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	8004	3B	X.800	S8-E			○ ○ ○
	SM	PLC-02	1	8002	BLU_1.0 mm ²	B	2B	B			BLU_1.0 mm ²	8002	2B	X.800	S8-E			
	SM	PLC-02	6	8010	BLU_1.0 mm ²	T	3T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	8010	7B	X.800	S8-E			○ ○ ○
	SM	PLC-02	5	8009	BLU_1.0 mm ²	M	3M	M			BLU_1.0 mm ²	8009	6B	X.800	S8-E			
	SM	PLC-02	4	8008	BLU_1.0 mm ²	B	3B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	8008	5B	X.800	S8-E			○ ○ ○
	SM	K.ES2	A1	8018	BLU_1.0 mm ²	T	4T	T			BLU_1.0 mm ²	8018	8B	X.800	S8-E			
	SM	X.07	7M	7005	BLU_1.0 mm ²	M	4M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	7005	8T	X.800	S8-E			○ ○ ○
	SM	PLC-02	7	8012	BLU_1.0 mm ²	B	4B	B			BLU_1.0 mm ²	8012	7T	X.800	S8-E			



X.09																	
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
							X.09		PHOENIX CONTACT	3022218							
	SM	XI.00	+24V.1	+24V.1	BLU_1.0 mm^2	T	1T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	X.171	SB17-1		○ ○ ○
	SM	X.09	2T	+24V.1	JUMBER				PHOENIX CONTACT	3210499	BLU_1.0 mm^2	710	2	X.171	SB17-1		○ ○ ○
	SM	PLC-03	0	710	BLU_1.0 mm^2	M	1M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	711	3	X.171	SB17-1		○ ○ ○
	SM	PLC-03	1	711	BLU_1.0 mm^2	B	1B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	X.172	SB17-2		○ ○ ○
	SM	X.09	1T	+24V.1	JUMBER	T	2T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	720	2	X.172	SB17-2		○ ○ ○
	SM	X.09	3T	+24V.1	JUMBER				PHOENIX CONTACT	3210499	BLU_1.0 mm^2	721	3	X.172	SB17-2		○ ○ ○
	SM	PLC-03	2	720	BLU_1.0 mm^2	M	2M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	721	3	X.172	SB17-2		○ ○ ○
	SM	PLC-03	3	721	BLU_1.0 mm^2	B	2B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	X.173	SB17-3		○ ○ ○
	SM	X.09	2T	+24V.1	JUMBER	T	3T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	730	2	X.173	SB17-3		○ ○ ○
	SM	X.09	4T	+24V.1	JUMBER				PHOENIX CONTACT	3210499	BLU_1.0 mm^2	731	3	X.173	SB17-3		○ ○ ○
	SM	PLC-03	4	730	BLU_1.0 mm^2	M	3M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	731	3	X.173	SB17-3		○ ○ ○
	SM	PLC-03	5	731	BLU_1.0 mm^2	B	3B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	X.174	SB17-4		○ ○ ○
	SM	X.09	3T	+24V.1	JUMBER	T	4T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	740	2	X.174	SB17-4		○ ○ ○
	SM	X.09	5T	+24V.1	JUMBER				PHOENIX CONTACT	3210499	BLU_1.0 mm^2	741	3	X.174	SB17-4		○ ○ ○
	SM	PLC-03	6	740	BLU_1.0 mm^2	M	4M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	741	3	X.174	SB17-4		○ ○ ○
	SM	PLC-03	7	741	BLU_1.0 mm^2	B	4B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	X.175	SB17-5		○ ○ ○
	SM	X.09	4T	+24V.1	JUMBER	T	5T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	750	2	X.175	SB17-5		○ ○ ○
	SM	X.09	6T	+24V.1	JUMBER				PHOENIX CONTACT	3210499	BLU_1.0 mm^2	751	3	X.175	SB17-5		○ ○ ○
	SM	PLC-03	10	750	BLU_1.0 mm^2	M	5M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	751	3	X.175	SB17-5		○ ○ ○
	SM	PLC-03	11	751	BLU_1.0 mm^2	B	5B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	X.176	SB17-6		○ ○ ○
	SM	X.09	5T	+24V.1	JUMBER	T	6T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	760	2	X.176	SB17-6		○ ○ ○
	SM	X.09	7T	+24V.1	JUMBER				PHOENIX CONTACT	3210499	BLU_1.0 mm^2	761	3	X.176	SB17-6		○ ○ ○
	SM	PLC-03	12	760	BLU_1.0 mm^2	M	6M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	761	3	X.176	SB17-6		○ ○ ○
	SM	PLC-03	13	761	BLU_1.0 mm^2	B	6B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	X.177	SB17-7		○ ○ ○
	SM	X.09	6T	+24V.1	JUMBER	T	7T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	770	2	X.177	SB17-7		○ ○ ○
	SM	PLC-03	14	770	BLU_1.0 mm^2	M	7M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	771	3	X.177	SB17-7		○ ○ ○
	SM	PLC-03	15	771	BLU_1.0 mm^2	B	7B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	X.410	C41		○ ○ ○
	SM	XI.00	+24V.1	+24V.1	BLU_1.0 mm^2	T	8T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	2	X.410	C41		○ ○ ○
	SM	XI.00	0V	0V	BLU_1.0 mm^2	M	8M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	322	3	X.410	C41		○ ○ ○
	SM	PLC-02	15	322	BLU_1.0 mm^2	B	8B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	X.420	C42		○ ○ ○
						T	9T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	2	X.420	C42		○ ○ ○
						M	9M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	323	3	X.420	C42		○ ○ ○
	SM	PLC-02	17	323	BLU_1.0 mm^2	B	9B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2						○ ○ ○
	C55	X.550	1T	+24V.1	BLU_1.0 mm^2	T	10T	T	PHOENIX CONTACT	3210499							○ ○ ○
	C55	X.550	1M	0V	BLU_1.0 mm^2	M	10M	M	PHOENIX CONTACT	3210499							○ ○ ○
	C55	X.550	1B	324	BLU_1.0 mm^2	B	10B	B	PHOENIX CONTACT	3210499							○ ○ ○
	SM	PLC-03	16	324	BLU_1.0 mm^2	B	10B	B	PHOENIX CONTACT	3210499							○ ○ ○
						T	11T	T	PHOENIX CONTACT	3210499							○ ○ ○
						M	11M	M	PHOENIX CONTACT	3210499							○ ○ ○
	C55	X.550	2B	325	BLU_1.0 mm^2	B	11B	B	PHOENIX CONTACT	3210499							○ ○ ○
	SM	PLC-03	17	325	BLU_1.0 mm^2	B	11B	B	PHOENIX CONTACT	3210499							○ ○ ○



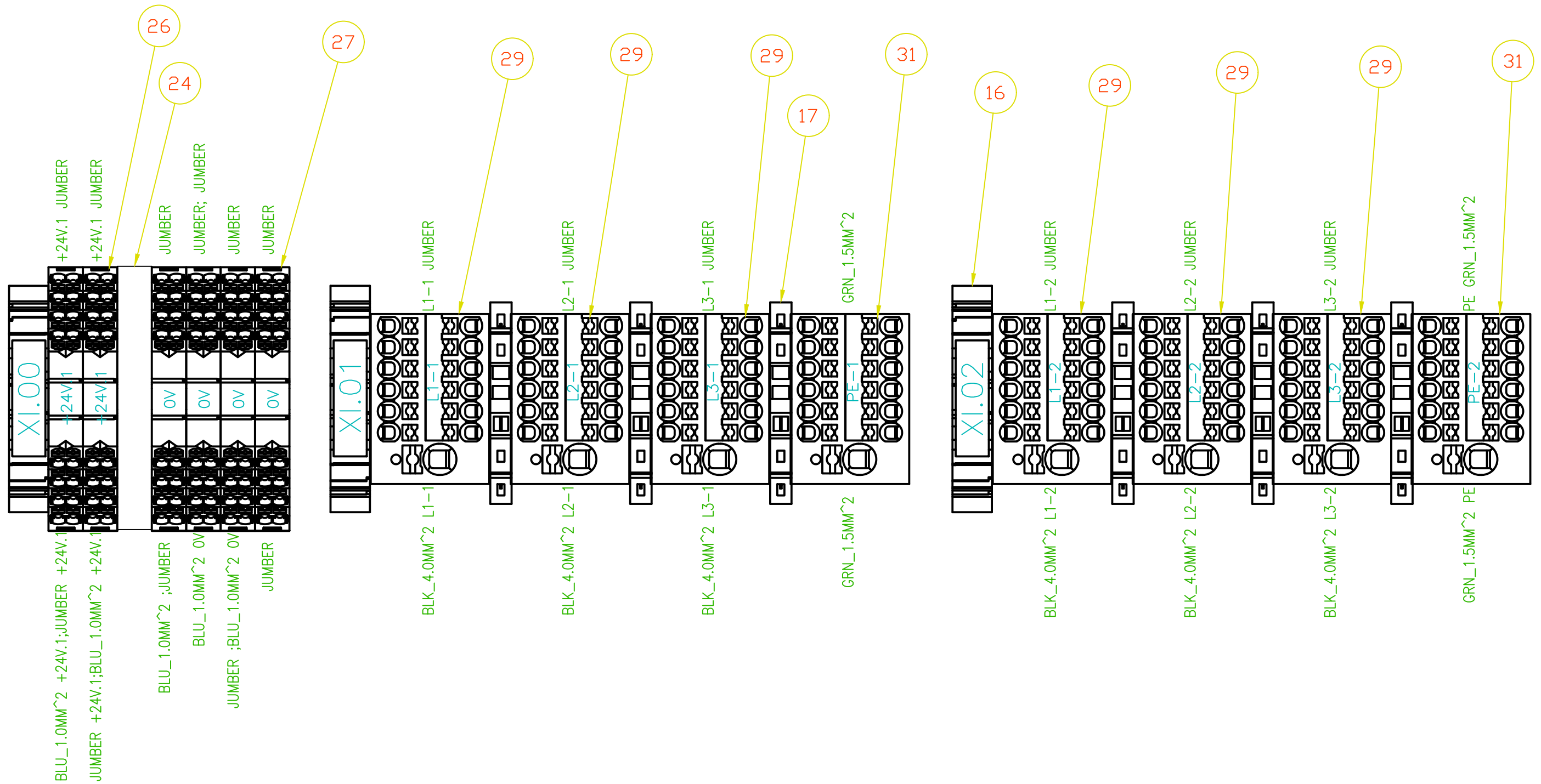
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
							X.10		PHOENIX CONTACT	3022218							
	SM	KF.26	11	213	BLU_1.0 mm^2	U	1U	U	PHOENIX CONTACT	3213953							○ ○ ○
	SM	KF.26	14	214	BLU_1.0 mm^2	L	1L	L	PHOENIX CONTACT	3213953							○ ○ ○
	SM	KF.27	11	215	BLU_1.0 mm^2	U	2U	U	PHOENIX CONTACT	3213953							○ ○ ○
	SM	KF.27	14	216	BLU_1.0 mm^2	L	2L	L	PHOENIX CONTACT	3213953							○ ○ ○
	SM	KF60	14	170	BLU_1.5 mm^2	U	3T	U	PHOENIX CONTACT	3213953	BLU_1.5 mm^2	170	24V	X.401	TS-1		○ ○ ○
	SM	X.10	4L	0V.3	BLU_1.5 mm^2	L	3L	L	PHOENIX CONTACT	3213953	BLU_1.5 mm^2	0V.3	0V	X.401	TS-1		○ ○ ○
	SM	GB03	-	0V.3	BLU_1.5 mm^2												○ ○ ○
	SM	KF70	14	171	BLU_1.5 mm^2	U	4T	U	PHOENIX CONTACT	3213953	BLU_1.5 mm^2	171	24V	X.402	TS-2		○ ○ ○
	SM	X.10	3L	0V.3	BLU_1.5 mm^2	L	4L	L	PHOENIX CONTACT	3213953	BLU_1.5 mm^2	0V.3	0V	X.402	TS-2		○ ○ ○
	SM	X.06	1T	+24V.1	BLU_1.0 mm^2	U	5U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm^2	+24V.1	14	SF400	S4-E		○ ○ ○
	SM	XI.00	+24V.1	+24V.1	BLU_1.0 mm^2												○ ○ ○
	SM	PLC-01	0	4000	BLU_1.0 mm^2	L	5L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm^2	4000	13	SF400	S4-E		○ ○ ○
	SM	X.05	6T	1013	BLU_1.0 mm^2	U	6T	U	PHOENIX CONTACT	3213953	BLU_1.0 mm^2	1013	1	X.201	S2-E		○ ○ ○
	SM	K.ES1	A1	2000	BLU_1.0 mm^2	L	6L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm^2	2000	2	X.201	S2-E		○ ○ ○
	SM	X.05	6M	+24V.1	BLU_1.0 mm^2	U	7U	U	PHOENIX CONTACT	3213953	BLU_1.0 mm^2	+24V.1	1	X.301	S3-E		○ ○ ○
	SM	X.06	6B	3000	BLU_1.0 mm^2	L	7L	L	PHOENIX CONTACT	3213953	BLU_1.0 mm^2	3000	2	X.301	S3-E		○ ○ ○



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Baldvin Njalsson GK: Processing plant
 Control Panel SM
 Terminals
 X.10

DATE	NAME	PRJ NO:	SHEET
20.08.20	PSH	BN-27	107
1	Cable summary	22.1.2021	PSH
0	First Review	25.9.2020	PSH
REV	Comments	Date	By
DRAWING NO: R-5062114		OF 131	
Drawing Type: Electrical		A3	

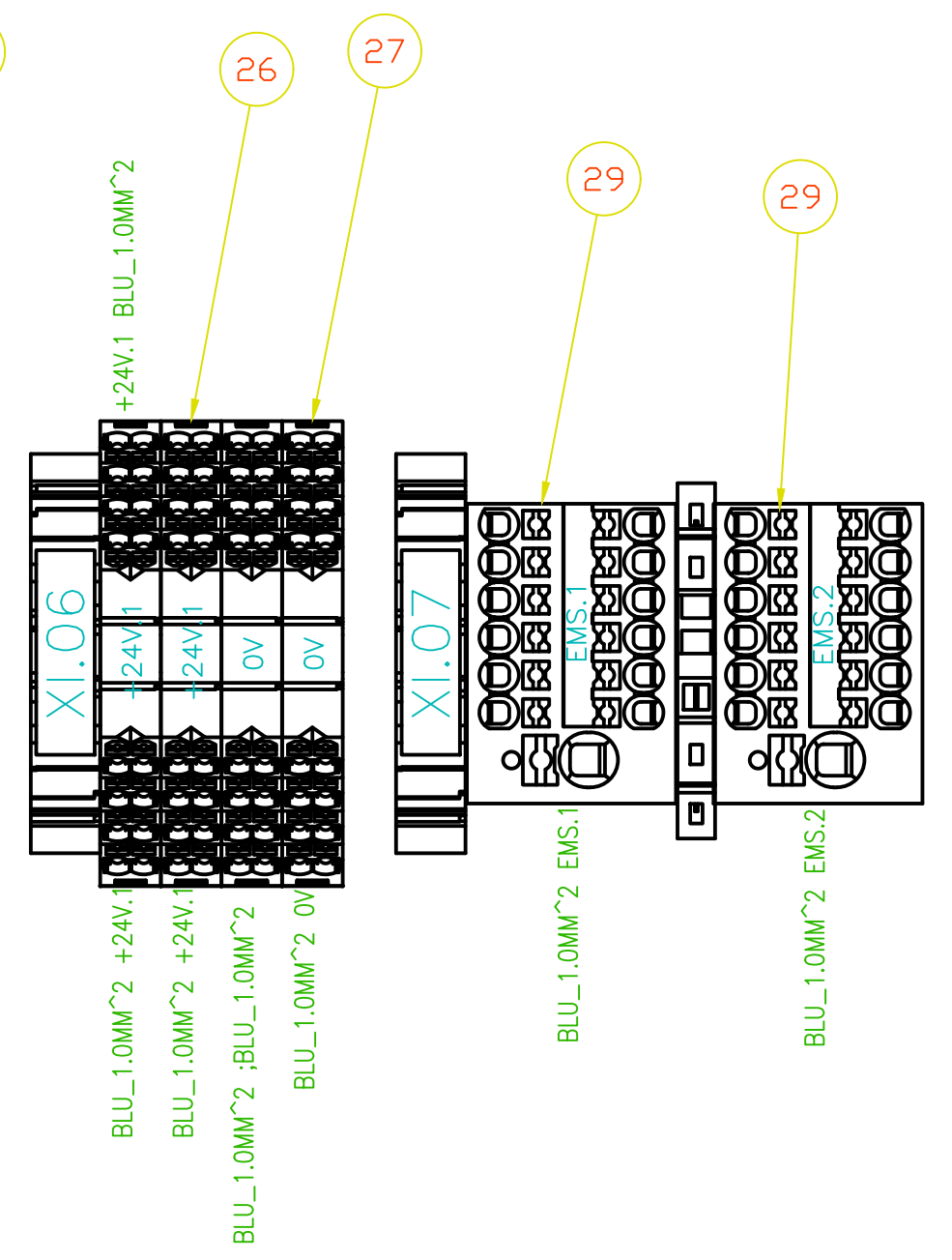
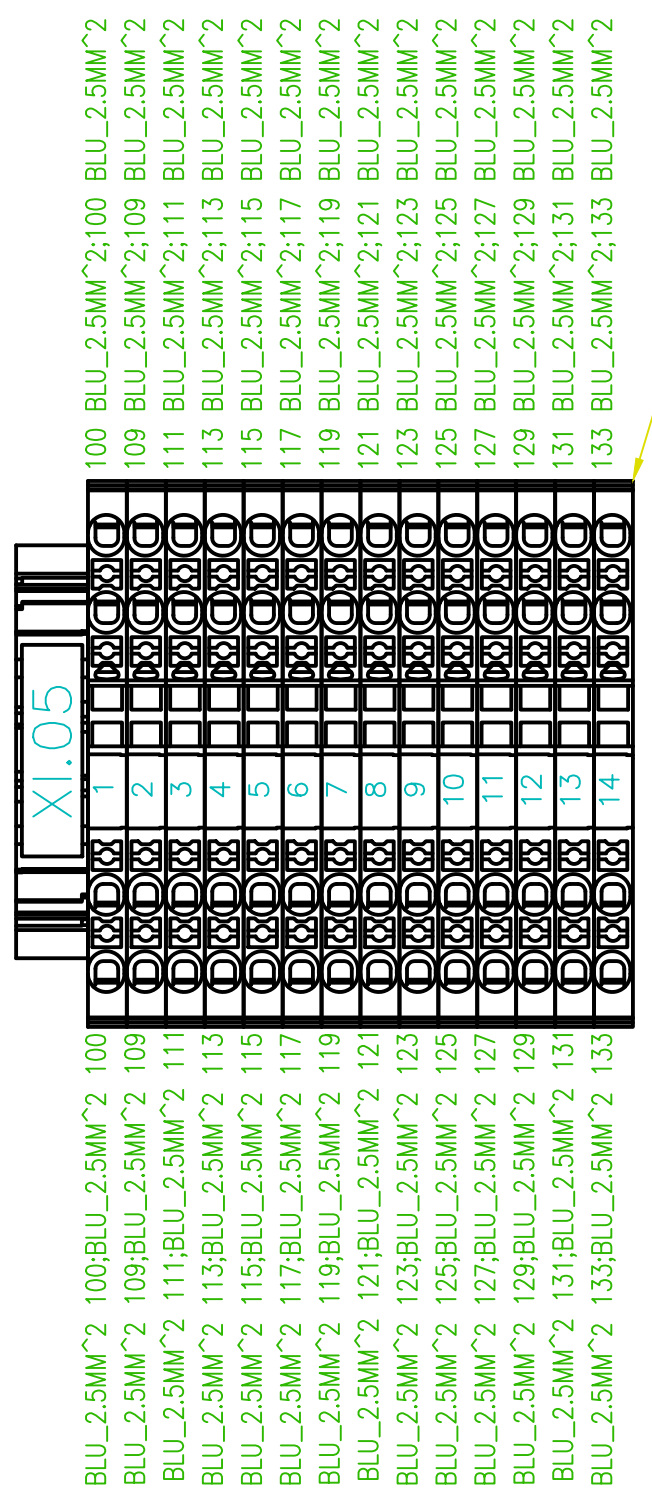
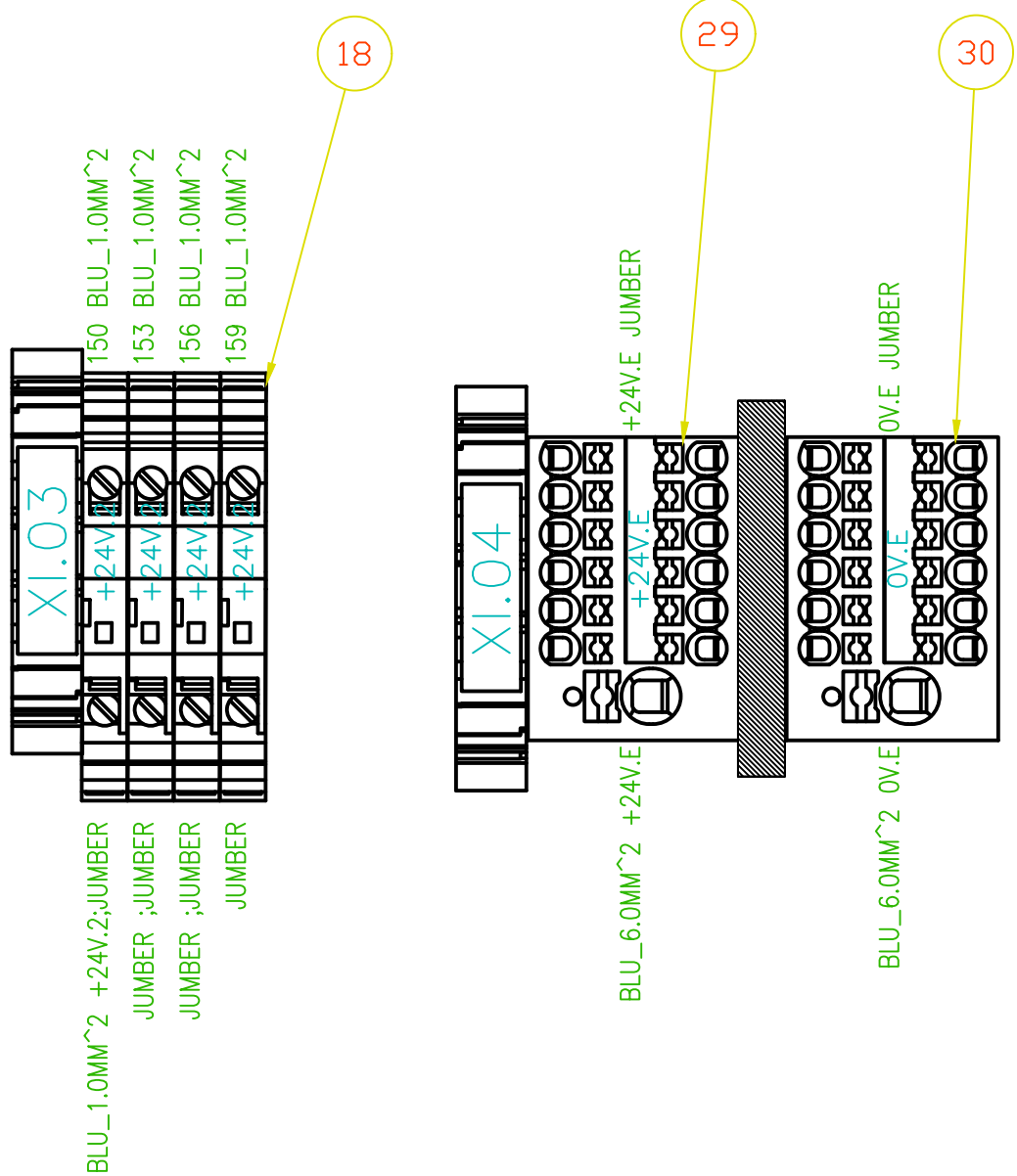


REV	Comments	Date	By
1	Cable summary	22.1.2021	PSH
0	First Review	25.9.2020	PSH

DATE	NAME
20.08.20	PSH

PRJ NO: BN-27

DRAWING NO: R-5062114
Drawing Type: Electrical



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Baldvin Njalsson GK: Processing plant

Control Panel SM
Terminals
XI.03-7

FILENAME: 071 XI-terminals.dwg

LOCATION: SM

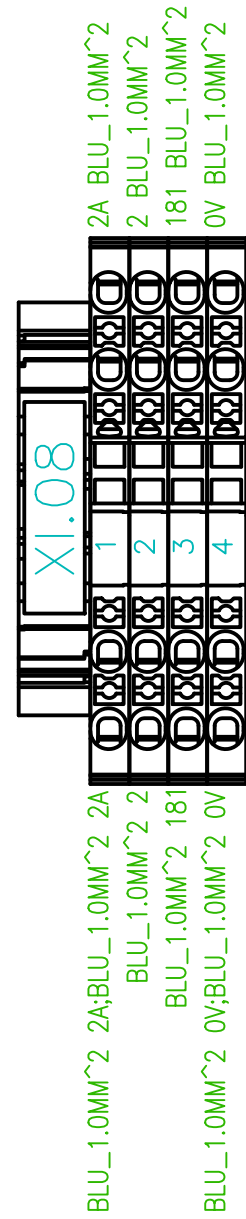
INSTALLATION:

REV	Comments	Date	By
1	Cable summary	22.1.2021	IPSH
0	First Review	25.9.2020	PSH

DATE	NAME	PRJ NO:
20.08.20	PSH	BN-27

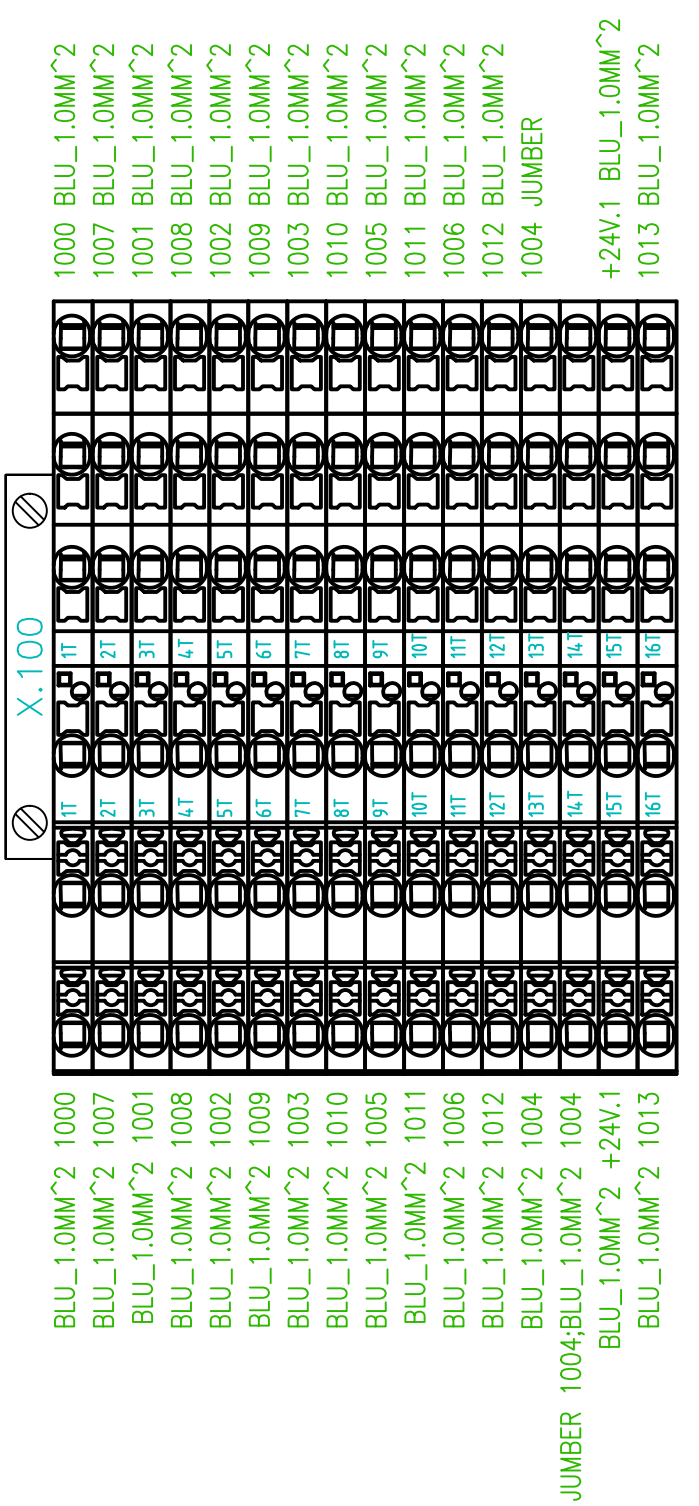
DRAWING NO:	R-5062115
Drawing Type:	Electrical


SHEET	109
OF	131
	A3



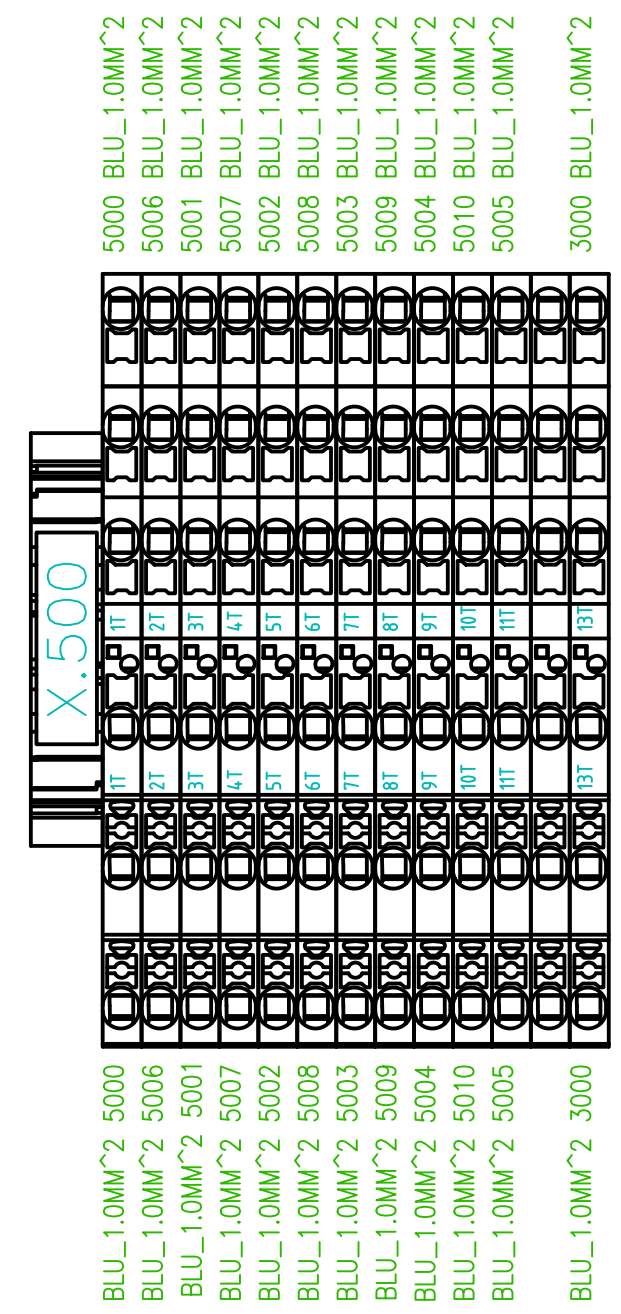
REV	Comments	Date	By	Drawing Type:	PRJ NO:	SHEET
1	Cable summary	22.1.2021	IPSH	Electrical	BN-27	110
0	First Review	25.9.2020	PSH			
				DRAWING NO:	R-5062116	A3


1		2		3		4		5		6		7		8			
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number X.100	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
	SM	X.05	1T	1000	BLU_1.0 mm^2	T	1T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	1000	Whi	SF101	S1-E		○ ○ ○
	SM	X.05	1M	+24V.1	BLU_1.0 mm^2	M	1M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	Brn	SF101	S1-E		○ ○ ○
	SM	X.05	1B	0V	BLU_1.0 mm^2	B	1B	B	PHOENIX CONTACT	3210499	JUMBER	+24V.1	3M	X.100	S1-E		○ ○ ○
	SM	X.05	2M	1007	BLU_1.0 mm^2	T	2T	T	PHOENIX CONTACT	3210499	JUMBER	0V	2B	X.100	S1-E		○ ○ ○
	S1-E	X.100	1B	0V	JUMBER	B	2B	B	PHOENIX CONTACT	3210499	JUMBER	0V	4B	X.100	S1-E		○ ○ ○
	SM	X.05	2B	1001	BLU_1.0 mm^2	T	3T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	Blu	SF101	S1-E		○ ○ ○
	S1-E	X.100	5M	+24V.1	JUMBER	B	3M	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	Brn	SF102	S1-E		○ ○ ○
	SM	X.05	3B	1008	BLU_1.0 mm^2	T	4T	T	PHOENIX CONTACT	3210499	JUMBER	+24V.1	1M	X.100	S1-E		○ ○ ○
	S1-E	SF102	Blu	0V	BLU_1.0 mm^2	B	4B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	6B	X.100	S1-E		○ ○ ○
	SM	X.05	2T	1002	BLU_1.0 mm^2	T	5T	T	PHOENIX CONTACT	3210499	JUMBER	0V	2B	X.100	S1-E		○ ○ ○
	S1-E	X.100	7M	+24V.1	JUMBER	M	5M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	Brn	SF103	S1-E		○ ○ ○
	SM	X.05	3T	1009	BLU_1.0 mm^2	T	6T	T	PHOENIX CONTACT	3210499	JUMBER	+24V.1	3M	X.100	S1-E		○ ○ ○
	S1-E	X.100	8B	0V	JUMBER	B	6B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	Yel	SF103	S1-E		○ ○ ○
	SM	X.05	3M	1003	BLU_1.0 mm^2	T	7T	T	PHOENIX CONTACT	3210499	JUMBER	0V	4B	X.100	S1-E		○ ○ ○
	S1-E	X.100	5M	+24V.1	JUMBER	M	7M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	Brn	SF104	S1-E		○ ○ ○
	SM	X.05	4M	1010	BLU_1.0 mm^2	T	8T	T	PHOENIX CONTACT	3210499	JUMBER	+24V.1	9M	X.100	S1-E		○ ○ ○
	S1-E	X.100	6B	0V	JUMBER	B	8B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	10B	X.100	S1-E		○ ○ ○
	SM	X.05	4B	1005	BLU_1.0 mm^2	T	9T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	Yel	SF104	S1-E		○ ○ ○
	S1-E	SF105	Brn	+24V.1	BLU_1.0 mm^2	M	9M	M	PHOENIX CONTACT	3210499	JUMBER	+24V.1	11M	X.100	S1-E		○ ○ ○
	SM	X.05	5B	1011	BLU_1.0 mm^2	T	10T	T	PHOENIX CONTACT	3210499	JUMBER	+24V.1	7M	X.100	S1-E		○ ○ ○
	S1-E	SF105	Blu	0V	BLU_1.0 mm^2	B	10B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	1011	Red	SF105	S1-E		○ ○ ○
	SM	X.05	4T	1006	BLU_1.0 mm^2	T	11T	T	PHOENIX CONTACT	3210499	JUMBER	0V	8B	X.100	S1-E		○ ○ ○
	S1-E	X.100	13M	+24V.1	JUMBER	M	11M	M	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	Brn	SF106	S1-E		○ ○ ○
	SM	X.05	5T	1012	BLU_1.0 mm^2	T	12T	T	PHOENIX CONTACT	3210499	JUMBER	+24V.1	9M	X.100	S1-E		○ ○ ○
	S1-E	X.100	14B	0V	JUMBER	B	12B	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	1012	Red	SF106	S1-E		○ ○ ○
	SM	X.05	6B	1004	BLU_1.0 mm^2	T	13T	T	PHOENIX CONTACT	3210499	JUMBER	0V	Blu	SF106	S1-E		○ ○ ○
	S1-E	X.100	15M	+24V.1	JUMBER	M	13M	M	PHOENIX CONTACT	3210499	JUMBER	+24V.1	11M	X.100	S1-E		○ ○ ○
	HM-BB	SM100	3	+24V.1	BLU_1.0 mm^2	B		B									○ ○ ○
	S1-E	X.100	13T	1004	JUMBER	T	14T	T	PHOENIX CONTACT	3210499							○ ○ ○
	HM-BB	SM100	1	1004	BLU_1.0 mm^2	M		M									○ ○ ○
						B	14B	B									○ ○ ○
	SM	X.05	6M	+24V.1	BLU_1.0 mm^2	T	15T	T	PHOENIX CONTACT	3210499	JUMBER	0V	12B	X.100	S1-E		○ ○ ○
	S1-E	X.100	13M	+24V.1	JUMBER	B	15M	B	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	0V	X2	EA10	S1-E		○ ○ ○
	SM	X.05	6T	1013	BLU_1.0 mm^2	T	16T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm^2	+24V.1	1	S01	S1-E		○ ○ ○
						M		M									○ ○ ○
						B		B									○ ○ ○



	Klaki Tech Hafnarbraut 25 200 Kopavogur ICELAND +354 554-0000 klaki@klaki.is www.klaki.is	Baldvin Njalsson GK: Processing plant Control Panel S1-E Terminals X.100				DATE: 20.08.20 NAME: PSH PRJ NO: BN-27	SHEET OF 137 A3
		FILENAME: 100 X-TERMINALS.DWG LOCATION: S1-E INSTALLATION:	REV: 1 Comments: Cable summary Date: 22.1.2021 By: PSH	REV: 0 Comments: First Review Date: 25.9.2020 By: PSH	DRAWING NO: R-3152102 Drawing Type: Electrical		

1		2		3		4		5		6		7		8			
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper
							X.500		PHOENIX CONTACT	3022218							○ ○ ○
	SM	X.06	1B	5000	BLU_1.0 mm ²	T	1T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	5000	Whi	SF501	S5-E		○ ○ ○
	SM	X.06	1T	+24V.1	BLU_1.0 mm ²	M	1M	M			BLU_1.0 mm ²	+24V.1	Brn	SF501	S5-E		
									PHOENIX CONTACT	3210499	JUMBER	+24V.1	3M	X.500	S5-E		○ ○ ○
	SM	X.06	1M	0V	BLU_1.0 mm ²	B	1B	B			JUMBER	0V	2B	X.500	S5-E		
	SM	X.06	2M	5006	BLU_1.0 mm ²	T	2T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	5006	Red	SF501	S5-E		○ ○ ○
	S5-E	X.500	1B	0V	JUMBER	M		M			JUMBER	0V	4B	X.500	S5-E		
									PHOENIX CONTACT	3210499	BLU_1.0 mm ²	0V	Blu	SF501	S5-E		○ ● ○
	SM	X.06	2T	5001	BLU_1.0 mm ²	T	3T	T			BLU_1.0 mm ²	5001	Whi	SF502	S5-E		
									PHOENIX CONTACT	3210499							○ ○ ○
	S5-E	SF502	Brn	+24V.1	BLU_1.0 mm ²	B	3M	B			JUMBER	+24V.1	5M	X.500	S5-E		
									PHOENIX CONTACT	3210499	JUMBER	+24V.1	1M	X.500	S5-E		○ ○ ○
	SM	X.06	3T	5007	BLU_1.0 mm ²	T	4T	T			BLU_1.0 mm ²	5007	Red	SF502	S5-E		
									PHOENIX CONTACT	3210499							○ ○ ○
	S5-E	SF502	Blu	0V	BLU_1.0 mm ²	B	4B	B			JUMBER	0V	6B	X.500	S5-E		
									PHOENIX CONTACT	3210499	JUMBER	0V	2B	X.500	S5-E		○ ○ ○
	SM	X.06	2B	5002	BLU_1.0 mm ²	T	5T	T			BLU_1.0 mm ²	5002	Whi	SF503	S5-E		
	S5-E	SF503	Brn	+24V.1	BLU_1.0 mm ²	M	5M	M	JUMBER	+24V.1	7M	X.500	S5-E			● ○ ○	
									PHOENIX CONTACT	3210499	JUMBER	+24V.1	3M	X.500	S5-E		○ ○ ○
	SM	X.06	3B	5008	BLU_1.0 mm ²	T	6T	T			BLU_1.0 mm ²	5008	Red	SF503	S5-E		
									PHOENIX CONTACT	3210499							○ ○ ○
	S5-E	SF503	Blu	0V	BLU_1.0 mm ²	B	6B	B			JUMBER	0V	8B	X.500	S5-E		
									PHOENIX CONTACT	3210499	JUMBER	0V	4B	X.500	S5-E		○ ○ ○
	SM	X.06	2B	5002	BLU_1.0 mm ²	T	5T	T			BLU_1.0 mm ²	5002	Whi	SF503	S5-E		
	S5-E	SF503	Brn	+24V.1	BLU_1.0 mm ²	M	5M	M	JUMBER	+24V.1	7M	X.500	S5-E			● ○ ○	
									PHOENIX CONTACT	3210499	JUMBER	+24V.1	3M	X.500	S5-E		○ ○ ○
	SM	X.06	3B	5008	BLU_1.0 mm ²	T	6T	T			BLU_1.0 mm ²	5008	Red	SF503	S5-E		
									PHOENIX CONTACT	3210499							○ ○ ○
	S5-E	SF503	Blu	0V	BLU_1.0 mm ²	B	6B	B			JUMBER	0V	8B	X.500	S5-E		
									PHOENIX CONTACT	3210499	BLU_1.0 mm ²	5003	Whi	SF504	S5-E		○ ○ ○
	SM	X.06	3M	5003	BLU_1.0 mm ²	T	7T	T			JUMBER	+24V.1	5M	X.500	S5-E		
	S5-E	SF504	Brn	+24V.1	BLU_1.0 mm ²	M	7M	M	JUMBER	+24V.1	9M	X.500	S5-E			● ○ ○	
									PHOENIX CONTACT	3210499							○ ○ ○
	SM	X.06	4M	5009	BLU_1.0 mm ²	T	8T	T			BLU_1.0 mm ²	5009	Red	SF504	S5-E		
									PHOENIX CONTACT	3210499							○ ○ ○
	S5-E	X.500	12B	0V	JUMBER	B	8B	B			JUMBER	0V	6B	X.500	S5-E		
	S5-E	SF504	Blu	0V	BLU_1.0 mm ²	B	8B	B									○ ○ ○
									PHOENIX CONTACT	3210499	BLU_1.0 mm ²	5004	4	SH507	S5-E		○ ○ ○
	SM	X.06	4T	5004	BLU_1.0 mm ²	T	9T	T			JUMBER	+24V.1	7M	X.500	S5-E		
	S5-E	X.500	12M	+24V.1	JUMBER	M	9M	M									○ ○ ○
	S5-E	SH507	3	+24V.1	BLU_1.0 mm ²	B		B									○ ○ ○
									PHOENIX CONTACT	3210499	BLU_1.0 mm ²	5010	6M	X.06	SM		○ ○ ○
	S5-E	S05	2	5010	BLU_1.0 mm ²	T	10T	T			JUMBER	0V	6B	X.500	S5-E		
									PHOENIX CONTACT	3210499							○ ○ ○
	SM	X.06	4B	5005	BLU_1.0 mm ²	T	11T	T			BLU_1.0 mm ²	5005	4	SH507	S5-E		
									PHOENIX CONTACT	3210499							○ ○ ○
											JUMBER	+24V.1	9M	X.500	S5-E		
									PHOENIX CONTACT	3210499	BLU_1.0 mm ²	+24V.1	3	S05	S5-E		○ ○ ○
											JUMBER	0V	8B	X.500	S5-E		
									PHOENIX CONTACT	3210499	BLU_1.0 mm ²	0V	X2	EA50	S5-E		○ ○ ○
	SM	X.06	6B	3000	BLU_1.0 mm ²	T	13T	T			BLU_1.0 mm ²	3000	1	S05	S5-E		
									PHOENIX CONTACT	3210499							○ ○ ○
											JUMBER	0V	X2	EA50	S5-E		
									PHOENIX CONTACT	3210499							○ ○ ○
											JUMBER	0V	X2	EA50	S5-E		



	Klaki Tech Hafnarbraut 25 200 Kopavogur ICELAND +354 554-0000 klaki@klaki.is www.klaki.is	Baldvin Njalsson GK: Processing plant Control Panel S5-E Terminals X.500				DATE: 20.08.20 NAME: PSH PRJ NO: BN-27	SHEET OF 139 A3
		FILENAME: 500 X-terminals.dwg LOCATION: S5-E INSTALLATION:	REV: 1 Comments: Cable summary Date: 22.1.2021 By: PSH	REV: 0 Comments: First Review Date: 25.9.2020 By: PSH	DRAWING NO: R4152101 Drawing Type: Electrical		

X.800																			
Installation1	Location1	Device1	Pin1	Wire1	Type1	T1	Number	T2	Manufacturer	Catalog	Type2	Wire2	Pin2	Device2	Location2	Installation2	Jumper		
							X.800		PHOENIX CONTACT	3022218							○ ○ ○		
	SM	X.08	1M	0V	BLU_1.0 mm ²	T	1T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	0V	A2	KF81	S8-E		● ○ ○		
											BLU_1.0 mm ²	0V	A2	KF80	S8-E				○ ● ○
	SM	X.08	1B	+24V.1	BLU_1.0 mm ²	M	1M	M			BLU_1.0 mm ²	+24V.1		SF800	S8-E				○ ● ○
	S8-E	X.800	2M	+24V.1	JUMBER														○ ○ ○
	SM	X.08	1T	8000	BLU_1.0 mm ²	B	1B	B			8000		SF800	S8-E			○ ○ ○		
						T	2T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	0V	2	T800	S8-E		○ ● ○		
	S8-E	X.800	3M	+24V.1	JUMBER	M	2M	M			BLU_1.0 mm ²	+24V.1		SH801	S8-E				○ ○ ○
	S8-E	X.800	1M	+24V.1	JUMBER														○ ○ ○
	S8-E	KF80	11	8002	BLU_1.0 mm ²	B	2B	B			8002	2B	X.08	SM			○ ○ ○		
						T	3T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	0V	X2	EA80	S8-E		○ ○ ○		
	S8-E	X.800	4M	+24V.1	JUMBER	M	3M	M			BLU_1.0 mm ²	+24V.1		SH802	S8-E				○ ● ○
	S8-E	X.800	2M	+24V.1	JUMBER														○ ○ ○
	SM	X.08	2M	8004	BLU_1.0 mm ²	B	3B	B			8004	21	KF80	S8-E			○ ○ ○		
						T	4	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	+24V.1		SF803	S8-E		○ ● ○		
	S8-E	X.800	5M	+24V.1	JUMBER	M	4M	M			BLU_1.0 mm ²	+24V.1							○ ○ ○
	S8-E	X.800	3M	+24V.1	JUMBER														○ ○ ○
	SM	X.08	2T	8006	BLU_1.0 mm ²	B	4B	B			8006	31	KF80	S8-E			○ ○ ○		
						T	5	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	+24V.1	6M	X.800	S8-E		○ ○ ○		
	S8-E	SF804		+24V.1	BLU_1.0 mm ²	M	5M	M			JUMBER	+24V.1							○ ○ ○
	S8-E	X.800	4M	+24V.1	JUMBER														○ ○ ○
	SM	X.08	3B	8008	BLU_1.0 mm ²	B	5B	B			8008	41	KF80	S8-E			○ ○ ○		
						T	6	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	+24V.1	7M	X.800	S8-E		○ ● ○		
	S8-E	SF805	Brn	+24V.1	BLU_1.0 mm ²	M	6M	M			JUMBER	+24V.1							○ ○ ○
	S8-E	X.800	5M	+24V.1	JUMBER														○ ○ ○
	SM	X.08	3M	8009	BLU_1.0 mm ²	B	6B	B			8009		SF803	S8-E			○ ○ ○		
	SM	X.08	4B	8012	BLU_1.0 mm ²	T	7T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	8012	11	KF81	S8-E		○ ○ ○		
						M	7M	M			JUMBER	+24V.1	6M	X.800	S8-E				○ ● ○
											BLU_1.0 mm ²	+24V.1	1	T800	S8-E				○ ○ ○
	SM	X.08	3T	8010	BLU_1.0 mm ²	B	7B	B			8010		SF804	S8-E			○ ○ ○		
	SM	X.08	4M	7005	BLU_1.0 mm ²	T	8T	T	PHOENIX CONTACT	3210499	BLU_1.0 mm ²	7005	1	S08	S8-E		○ ○ ○		
						M	8M	M			BLU_1.0 mm ²	+24V.1	3	S08	S8-E				○ ○ ○
	SM	X.08	4T	8018	BLU_1.0 mm ²	B	8B	B			BLU_1.0 mm ²	8018	2	S08	S8-E				○ ○ ○



Baldvin Njalsson GK: Processing plant
Control Panel S8-E
Terminals
X.800

REV	Comments	Date	By	DATE	NAME	PRJ NO:	SHEET
1	Cable summary	22.1.2021	PSH	20.08.20	PSH	BN-27	OF
0	First Review	25.9.2020	PSH			R-1122100	133
						DRAWING NO:	A3
						Drawing Type: Electrical	