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	RIO01	1.b	Table of Contents		V4.0
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	RIO01	21	Digital Output Module Slot-6 Part-1		V4.0
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	RIO01	1	Bill of materials		V4.0
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	RIO01	4.a	Terminal Diagram		V4.0
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	RIO01	5.a	Terminal Diagram		V4.0
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	RIO01	9	Terminal Diagram		V4.0
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	RIO01	11.a	Terminal Diagram		V4.0
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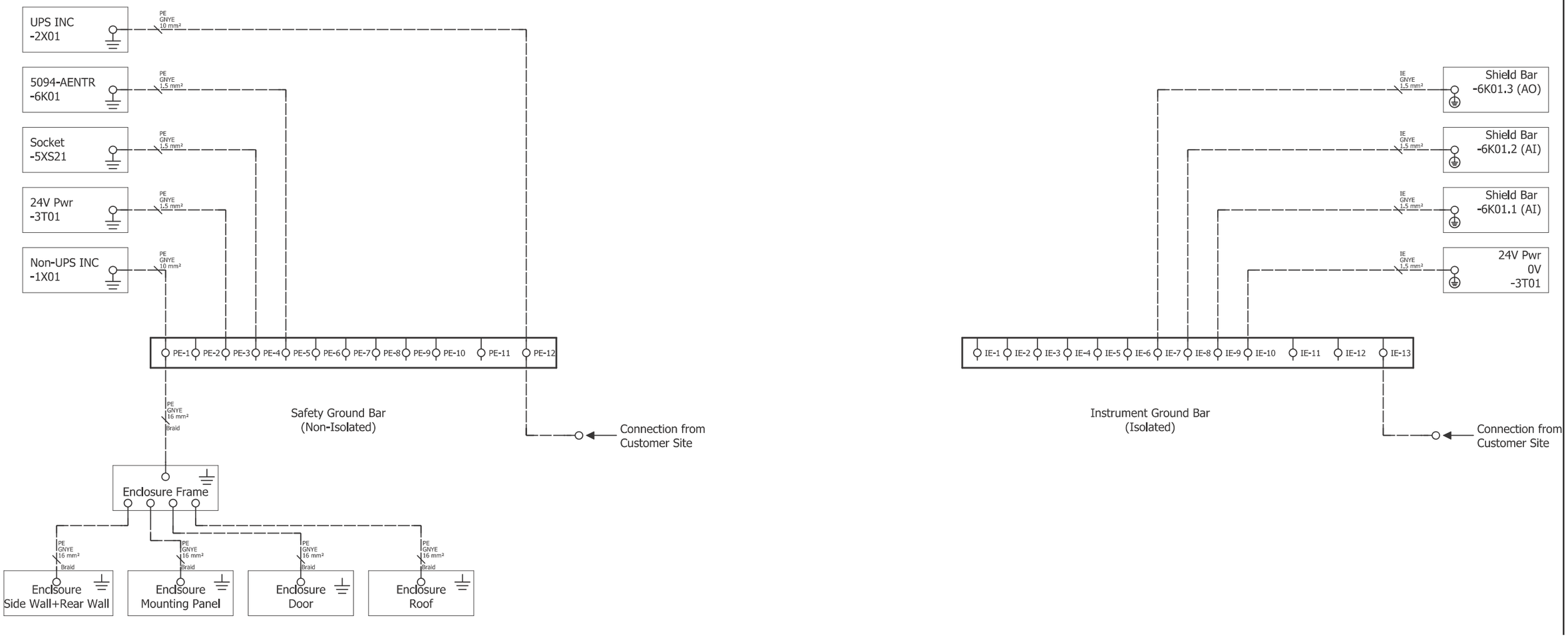
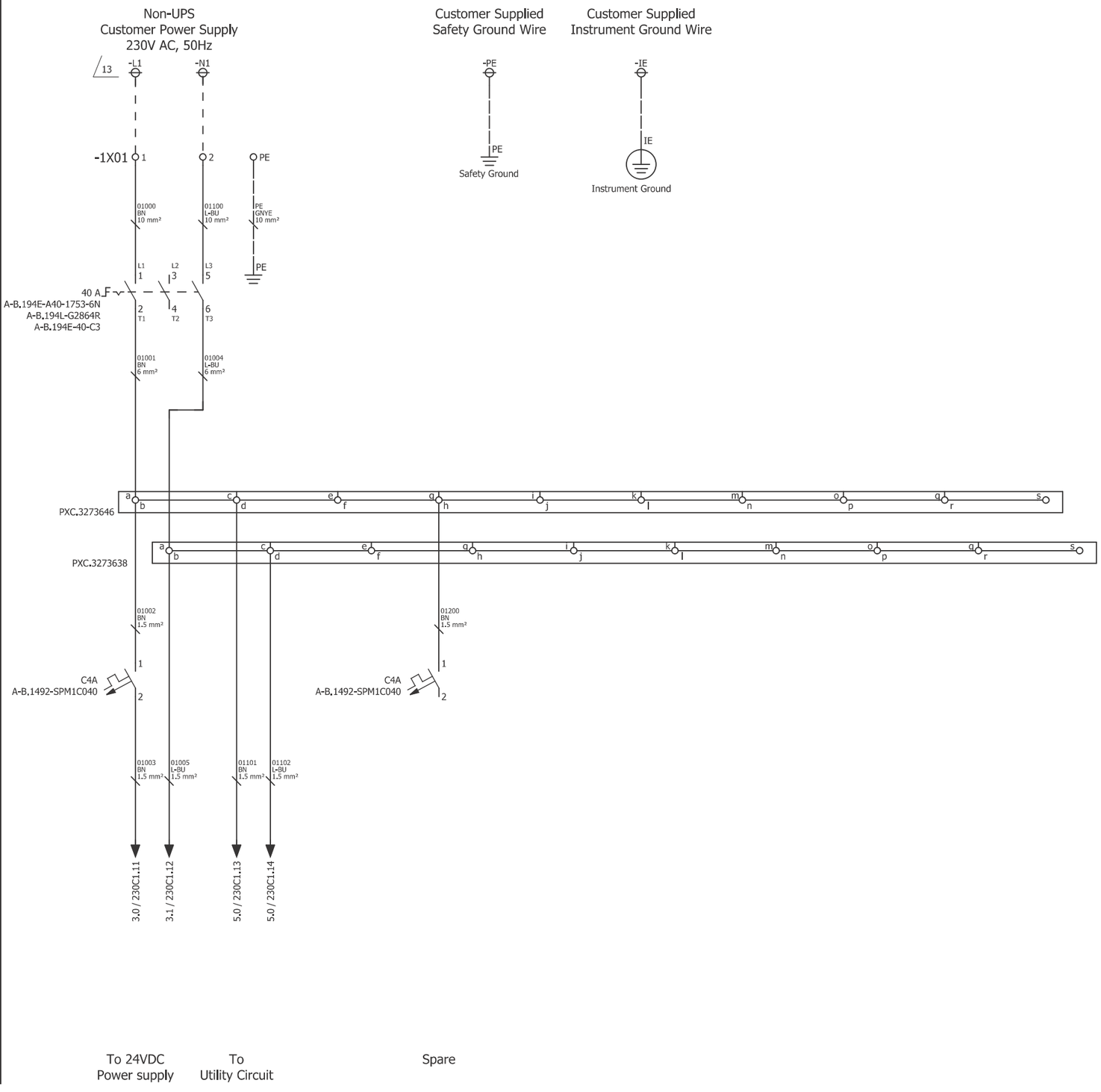
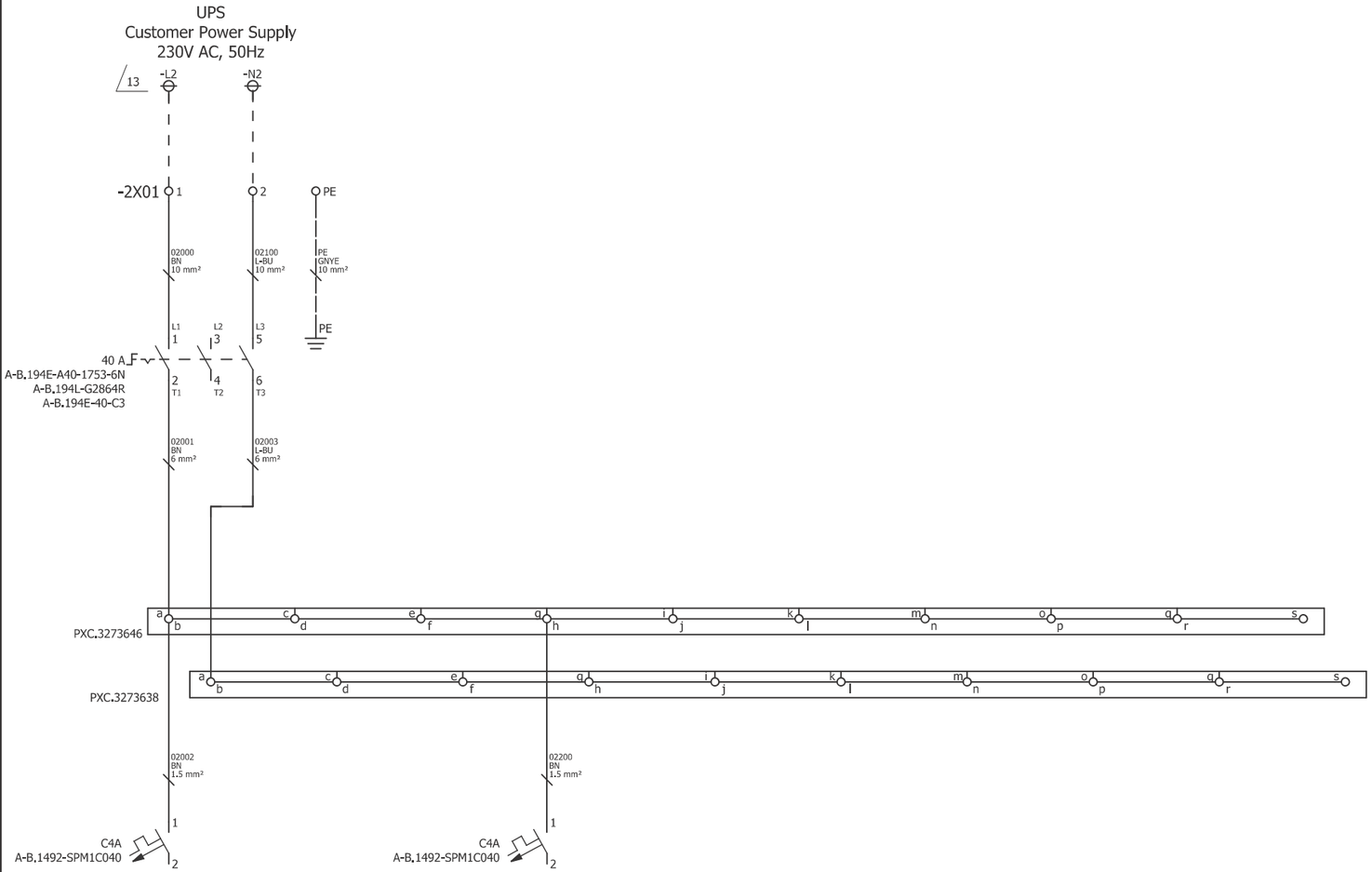
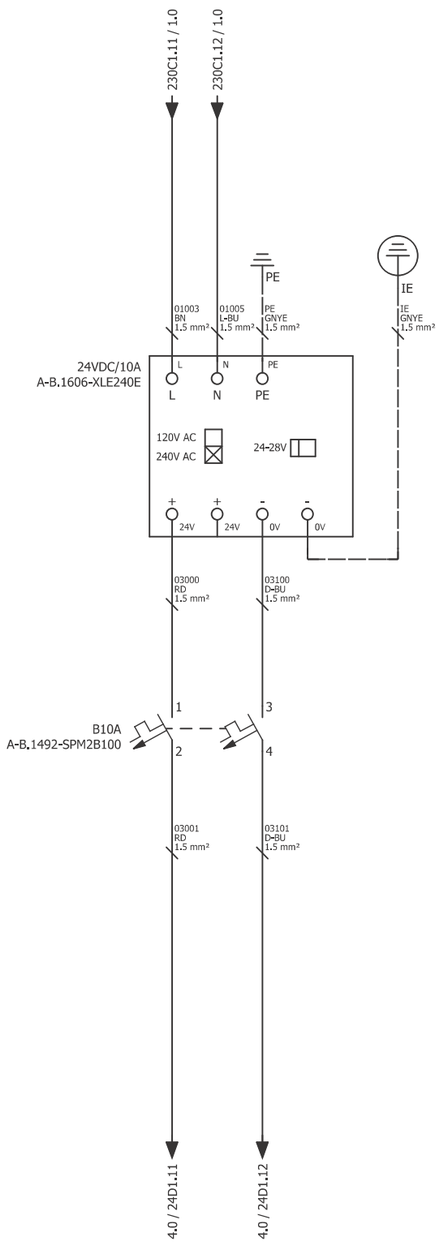
	RIO01	12	Terminal diagram		V4.0
	RIO01	1	Cable Overview		V4.0
	RIO01	1	Cable Diagram		V4.0


UPS INC
-2X01
PE
GNYE
10 mm²
5094-AENTR
-6K01
PE
GNYE
1.5 mm²
Socket
-5XS21
PE
GNYE
1.5 mm²
24V Pwr
-3T01
PE
GNYE
1.5 mm²
Non-UPS INC
-1X01
PE
GNYE
10 mm²
PE-1
PE-2
PE-3
PE-4
PE-5
PE-6
PE-7
PE-8
PE-9
PE-10
PE-11
PE-12
Safety Ground Bar
(Non-Isolated)
Connection from
Customer Site
PE
GNYE
16 mm²
Braid
Enclosure Frame
Enclosure
Side Wall+Rear Wall
Enclosure
Mounting Panel
Enclosure
Door
Enclosure
Roof
IE
GNYE
1.5 mm²
Shield Bar
-6K01.3 (AO)
Shield Bar
-6K01.2 (AI)
Shield Bar
-6K01.1 (AI)
24V Pwr
0V
-3T01
IE-1
IE-2
IE-3
IE-4
IE-5
IE-6
IE-7
IE-8
IE-9
IE-10
IE-11
IE-12
IE-13
Instrument Ground Bar
(Isolated)
Connection from
Customer Site

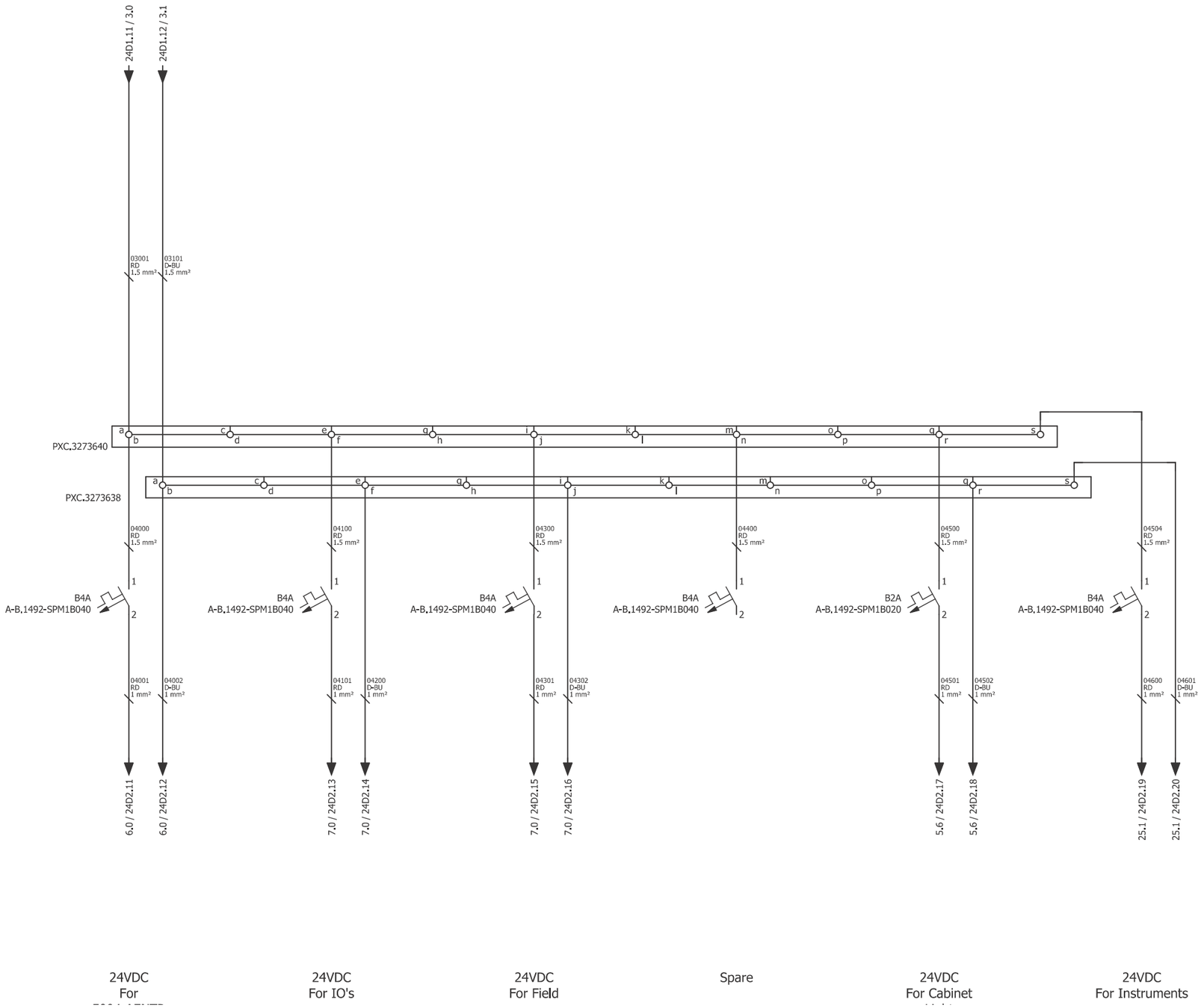

Non-UPS
Customer Power Supply
230V AC, 50Hz
13
-L1
-N1
-1X01
1
2
PE
01000
BN
10 mm²
01100
L-BU
10 mm²
PE
GNYE
10 mm²
PE
L1
L2
L3
1
3
5
40 A
F
2
4
6
T1
T2
T3
A-B.194E-A40-1753-6N
A-B.194L-G2864R
A-B.194E-40-C3
01001
BN
6 mm²
01004
L-BU
6 mm²
PXC.3273646
PXC.3273638
a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
q
r
s
01002
BN
1.5 mm²
01200
BN
1.5 mm²
C4A
A-B.1492-SPM1C040
C4A
A-B.1492-SPM1C040
01003
BN
1.5 mm²
01005
L-BU
1.5 mm²
01101
BN
1.5 mm²
01102
L-BU
1.5 mm²
3.0 / 230C1.11
3.1 / 230C1.12
5.0 / 230C1.13
5.0 / 230C1.14
To 24VDC
Power supply
To
Utility Circuit
Spare
Customer Supplied
Safety Ground Wire
-PE
PE
Safety Ground
Customer Supplied
Instrument Ground Wire
-IE
IE
Instrument Ground


UPS
Customer Power Supply
230V AC, 50Hz
13
-L2
-N2
-2X01
1
2
PE
02000
BN
10 mm²
02100
L-BU
10 mm²
PE
GNYE
10 mm²
L1
1
L2
3
L3
5
PE
40 A
F
A-B.194E-A40-1753-6N
A-B.194L-G2864R
A-B.194E-40-C3
2
T1
4
T2
6
T3
02001
BN
6 mm²
02003
L-BU
6 mm²
PXC.3273646
PXC.3273638
a
b
c
d
e
f
g
h
i
j
k
l
m
n
o
p
q
r
s
02002
BN
1.5 mm²
02200
BN
1.5 mm²
C4A
A-B.1492-SPM1C040
C4A
A-B.1492-SPM1C040
Spare
Spare



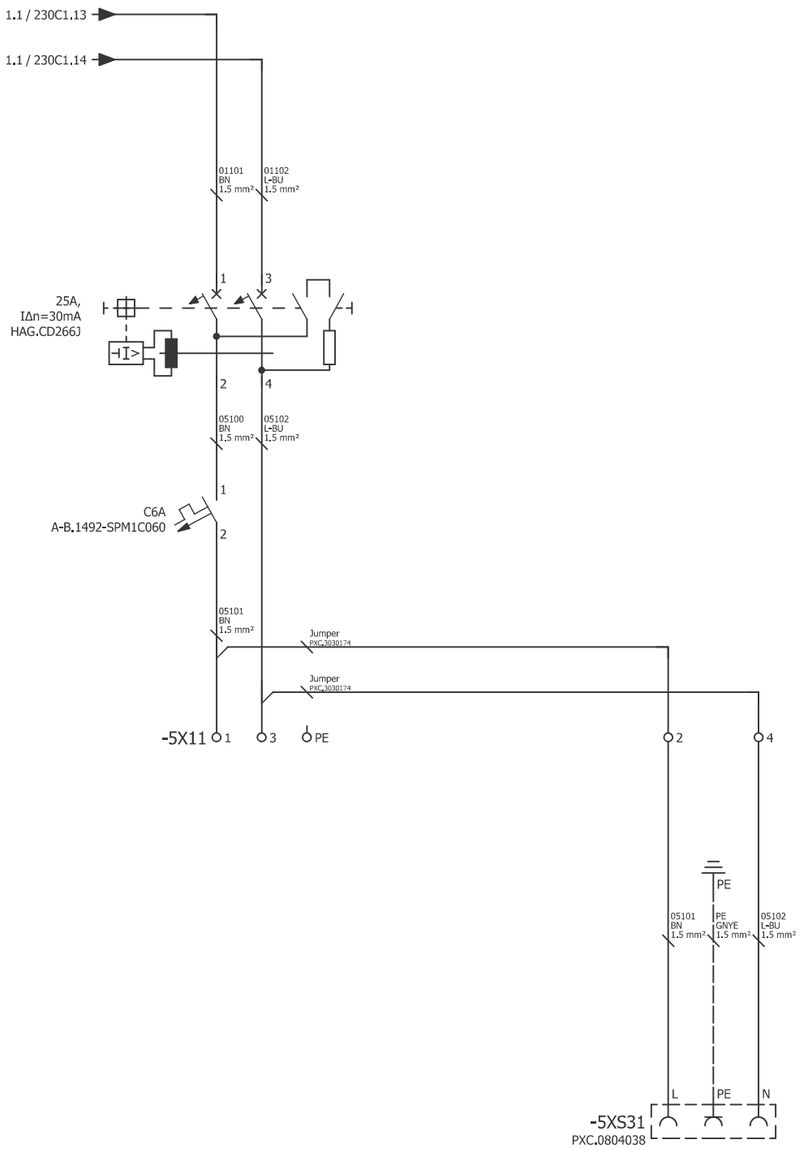
24VDC Supply

Note: -4Q31 this CB is used for Field instrument supply.
As we do not have idea about field load. Please check whether the Ampere rating (4A)is sufficient or not.



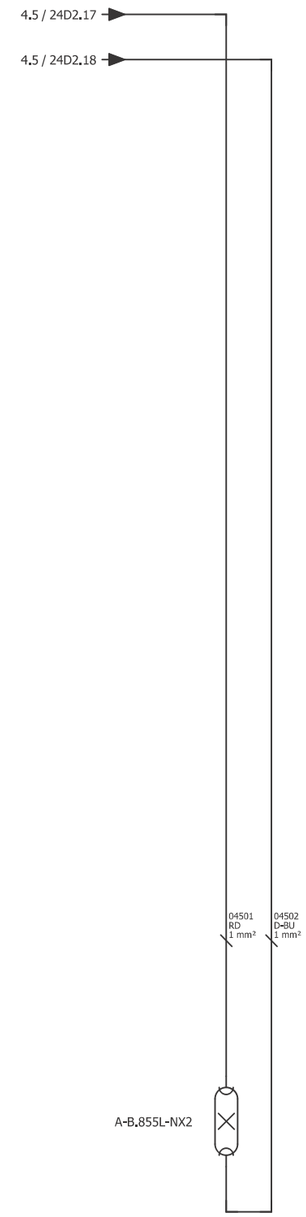
0	1	2	3	4	5	6	7	8	9

230V AC
Power Supply



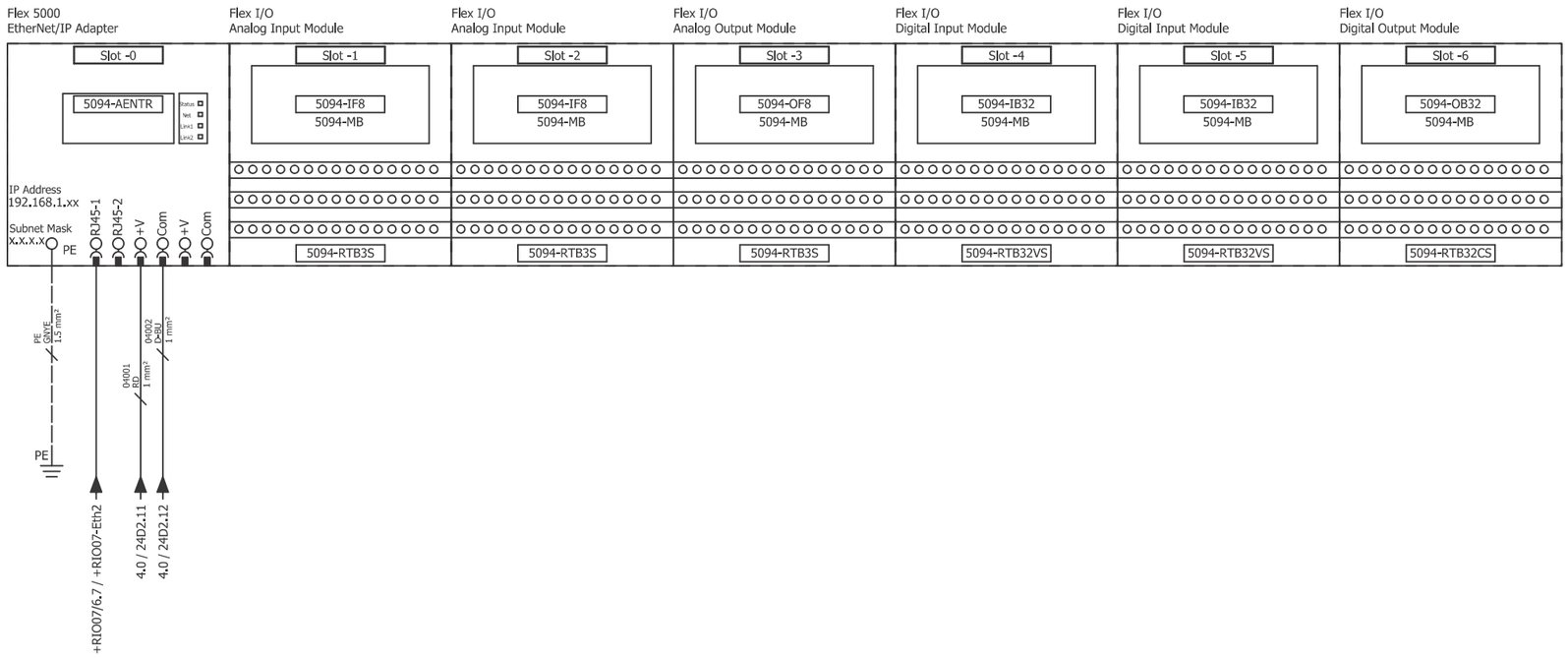
Cabinet
Socket

24V DC
Power Supply



Cabinet
Light

0	1	2	3	4	5	6	7	8	9


Flex 5000
EtherNet/IP Adapter
Flex I/O
Analog Input Module
Flex I/O
Analog Input Module
Flex I/O
Analog Output Module
Flex I/O
Digital Input Module
Flex I/O
Digital Input Module
Flex I/O
Digital Output Module
Slot -0
5094-AENTR
Status
Net
Link1
Link2
Slot -1
5094-IF8
5094-MB
Slot -2
5094-IF8
5094-MB
Slot -3
5094-OF8
5094-MB
Slot -4
5094-IB32
5094-MB
Slot -5
5094-IB32
5094-MB
Slot -6
5094-OB32
5094-MB
5094-RTB3S
5094-RTB3S
5094-RTB3S
5094-RTB32VS
5094-RTB32VS
5094-RTB32CS
IP Address
192.168.1.xx
Subnet Mask
x.x.x.x
PE
RJ45-1
RJ45-2
+V
Com
+V
Com
PE
CKWE
1.5 mm²
PE
+RIO07/6.7 / +RIO07-Eth2
0H001
RD
1 mm²
4.0 / 24D2.11
0H002
24D
1 mm²
4.0 / 24D2.12

0	1	2	3	4	5	6	7	8	9

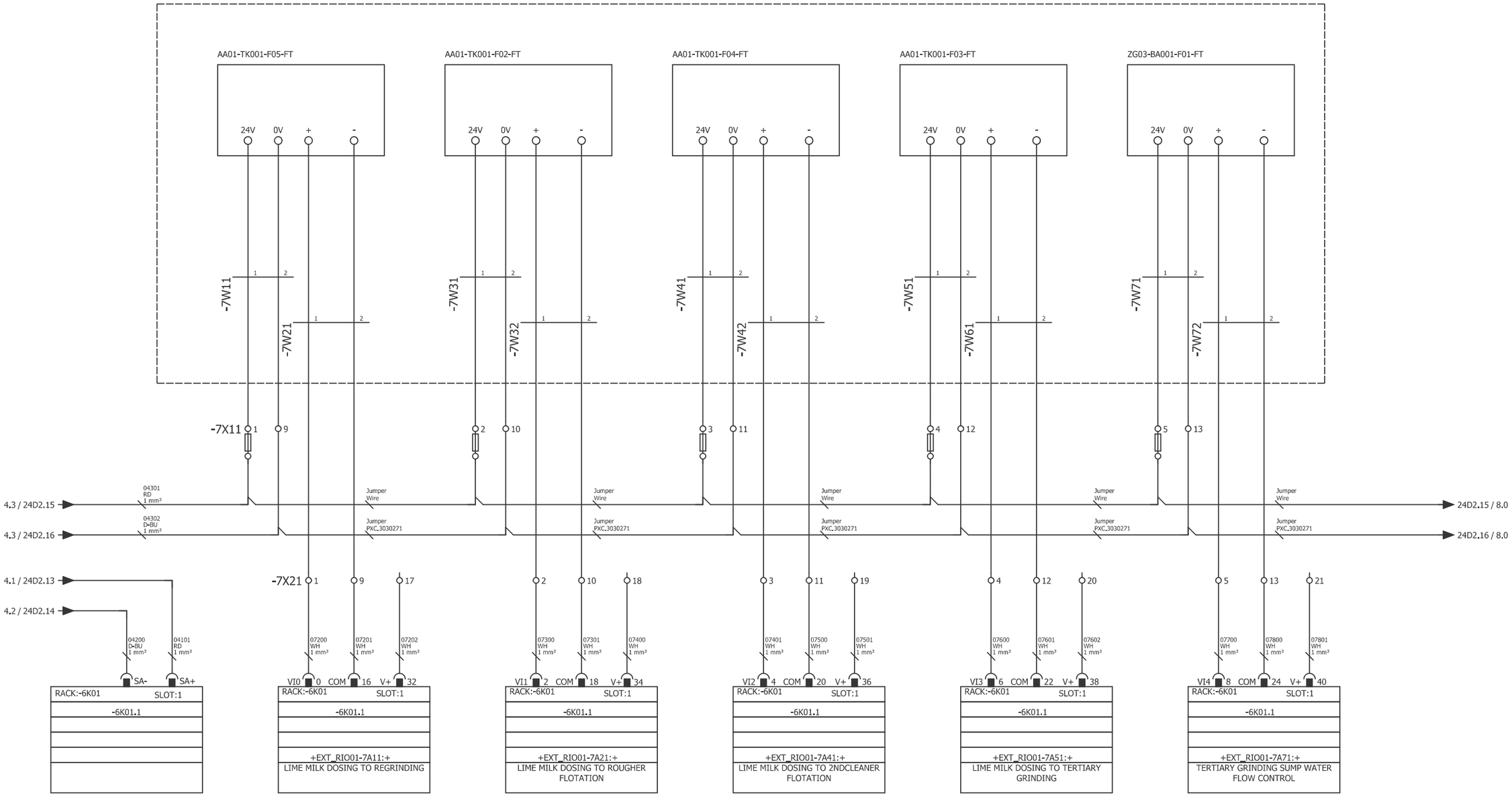
LIME MILK DOSING TO REGRINDING

LIME MILK DOSING TO ROUGHER FLOTATION

LIME MILK DOSING TO 2NDCLEANER FLOTATION

LIME MILK DOSING TO TERTIARY GRINDING

TERTIARY GRINDING SUMP WATER FLOW CONTROL

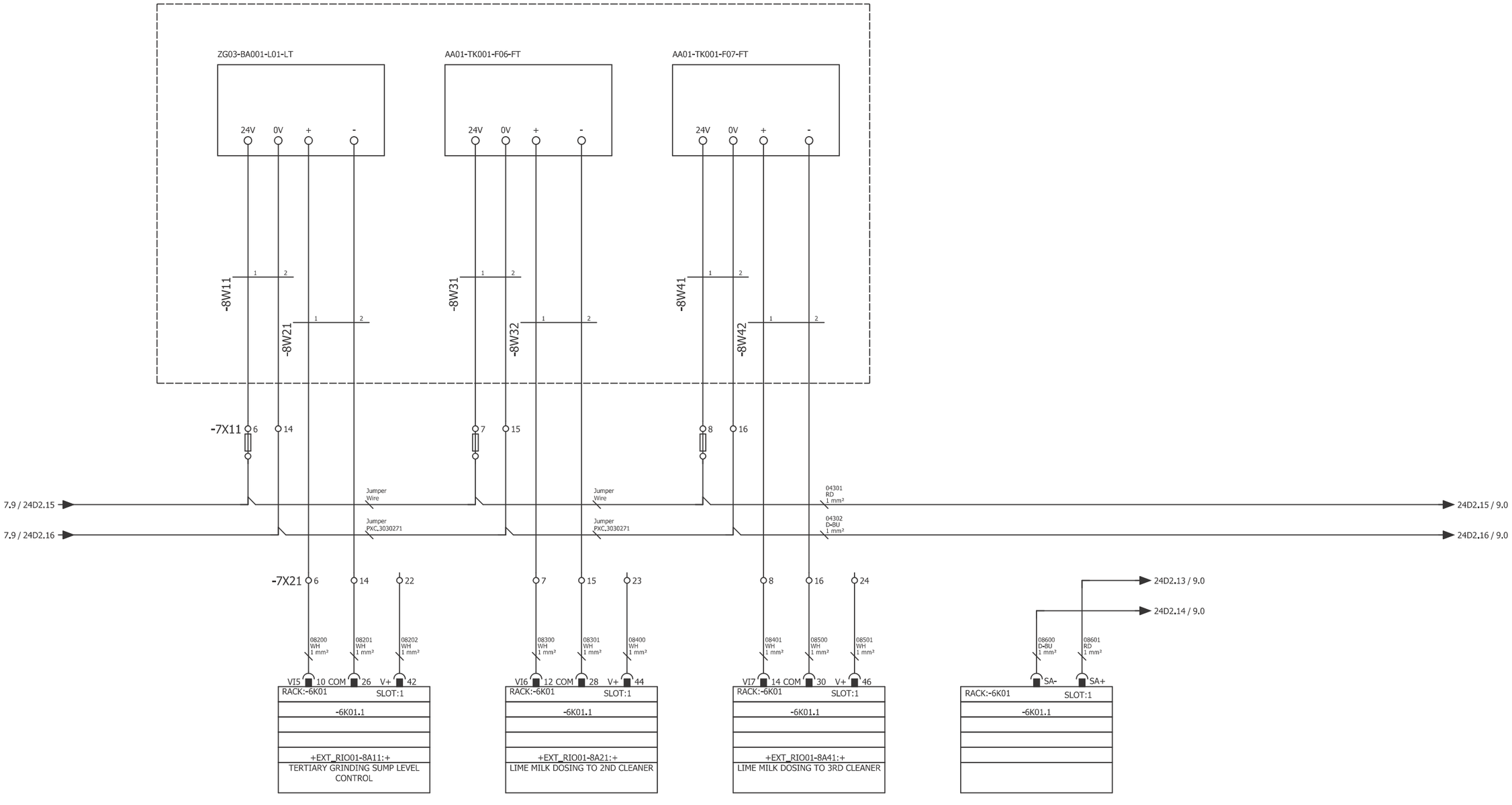


0	1	2	3	4	5	6	7	8	9

TERTIARY GRINDING SUMP LEVEL CONTROL

LIME MILK DOSING TO 2ND CLEANER

LIME MILK DOSING TO 3RD CLEANER



0	1	2	3	4	5	6	7	8	9

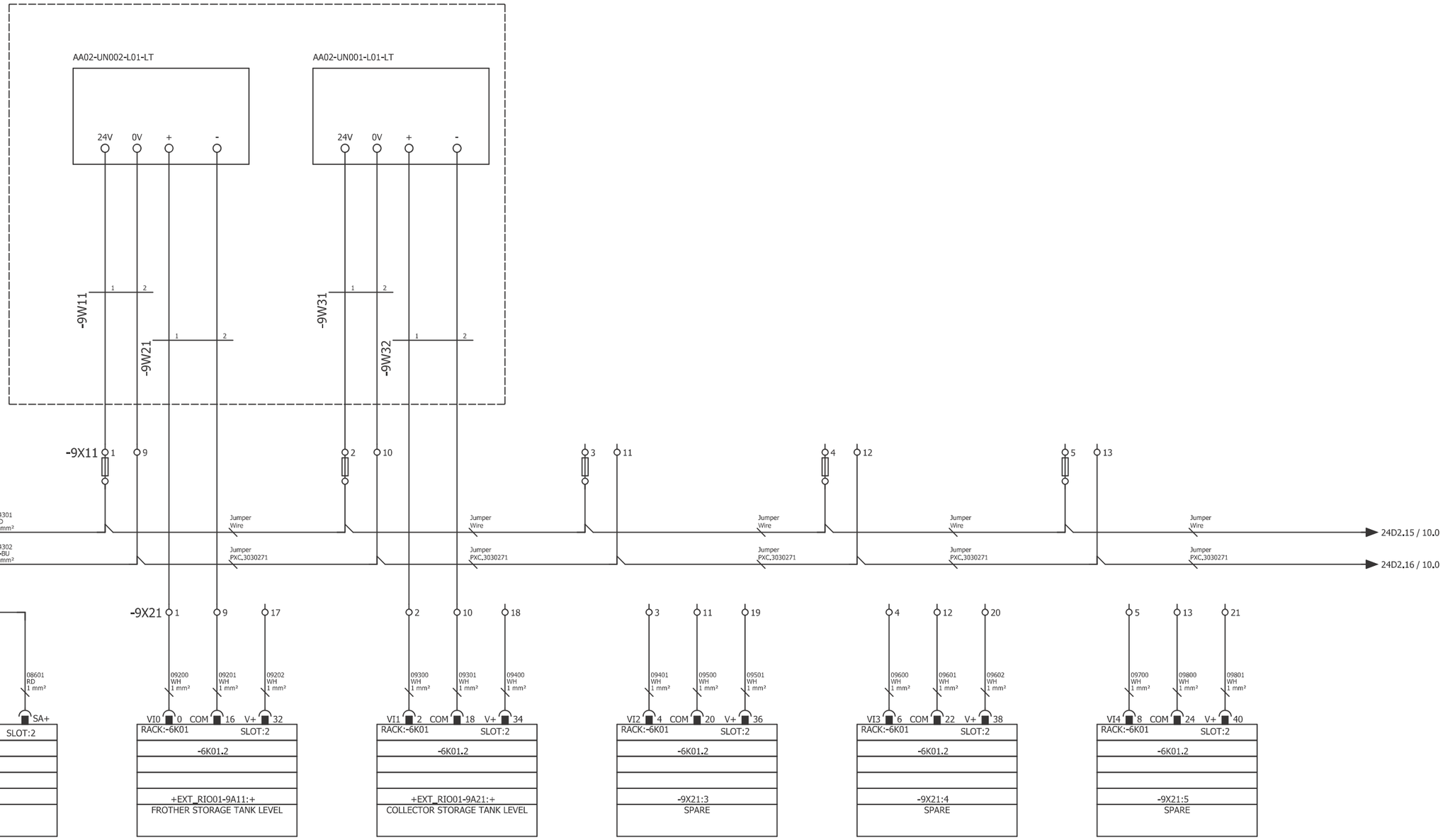
FROTHER STORAGE TANK LEVEL

COLLECTOR STORAGE TANK LEVEL

SPARE

SPARE

SPARE



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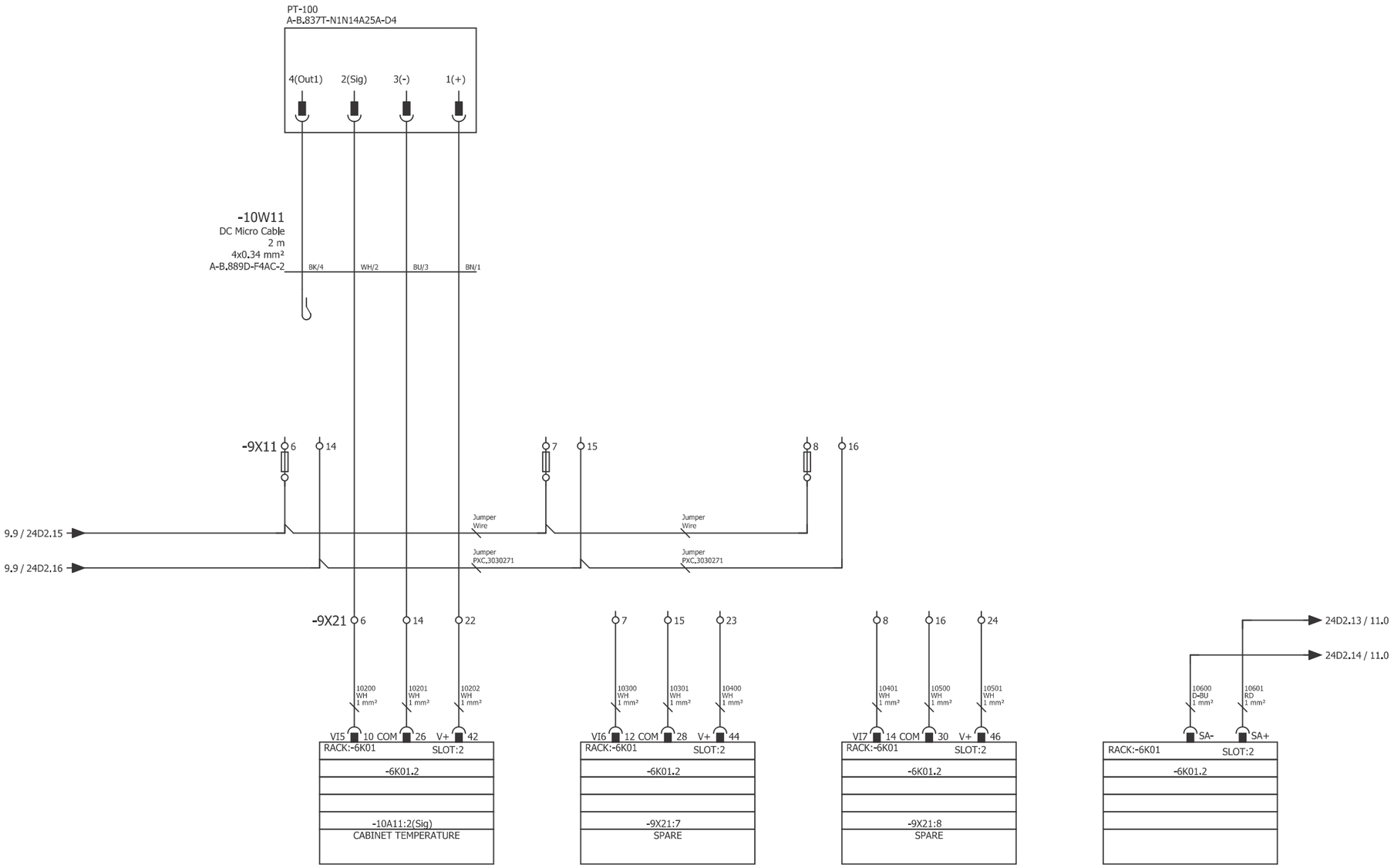
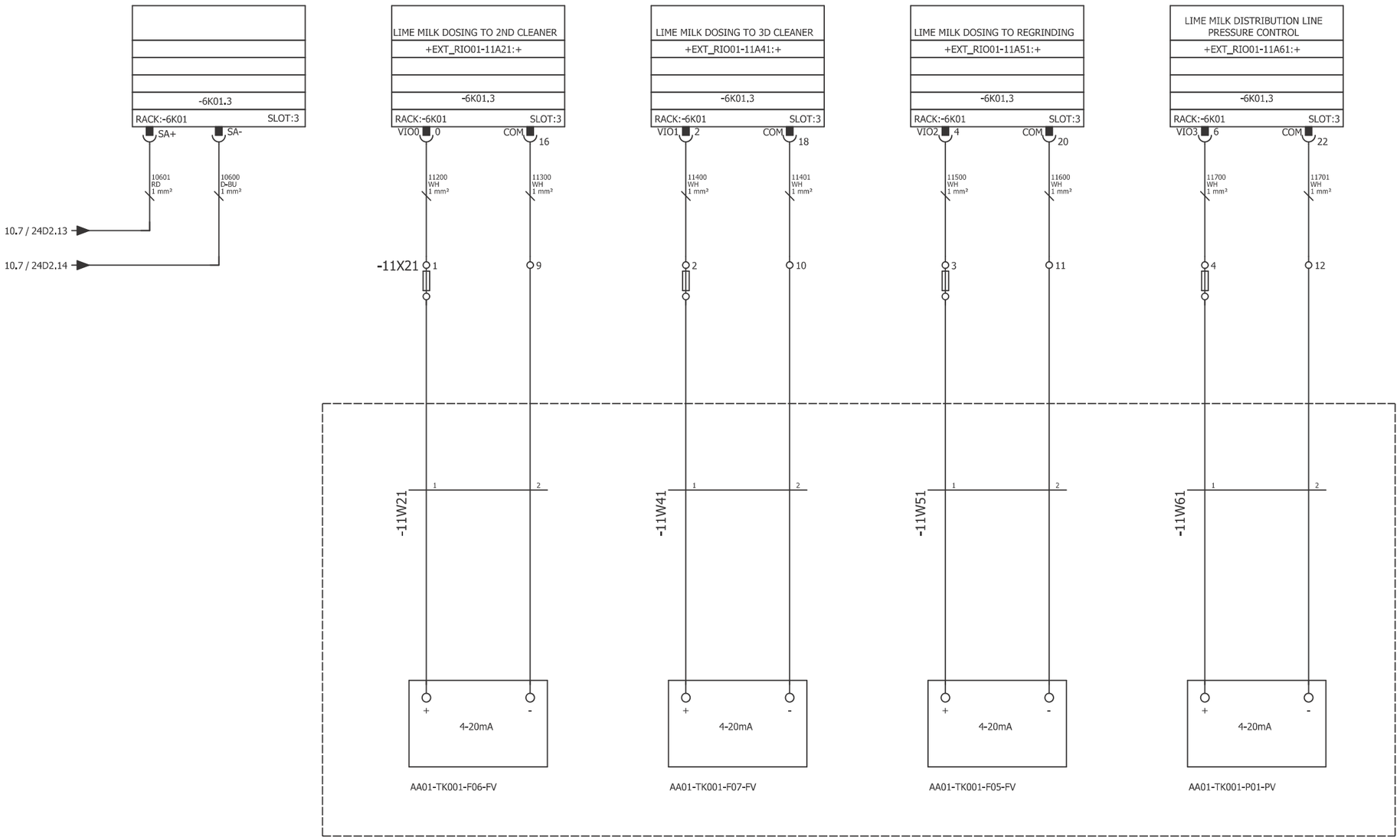
CABINET TEMPERATURE

SPARE

SPARE



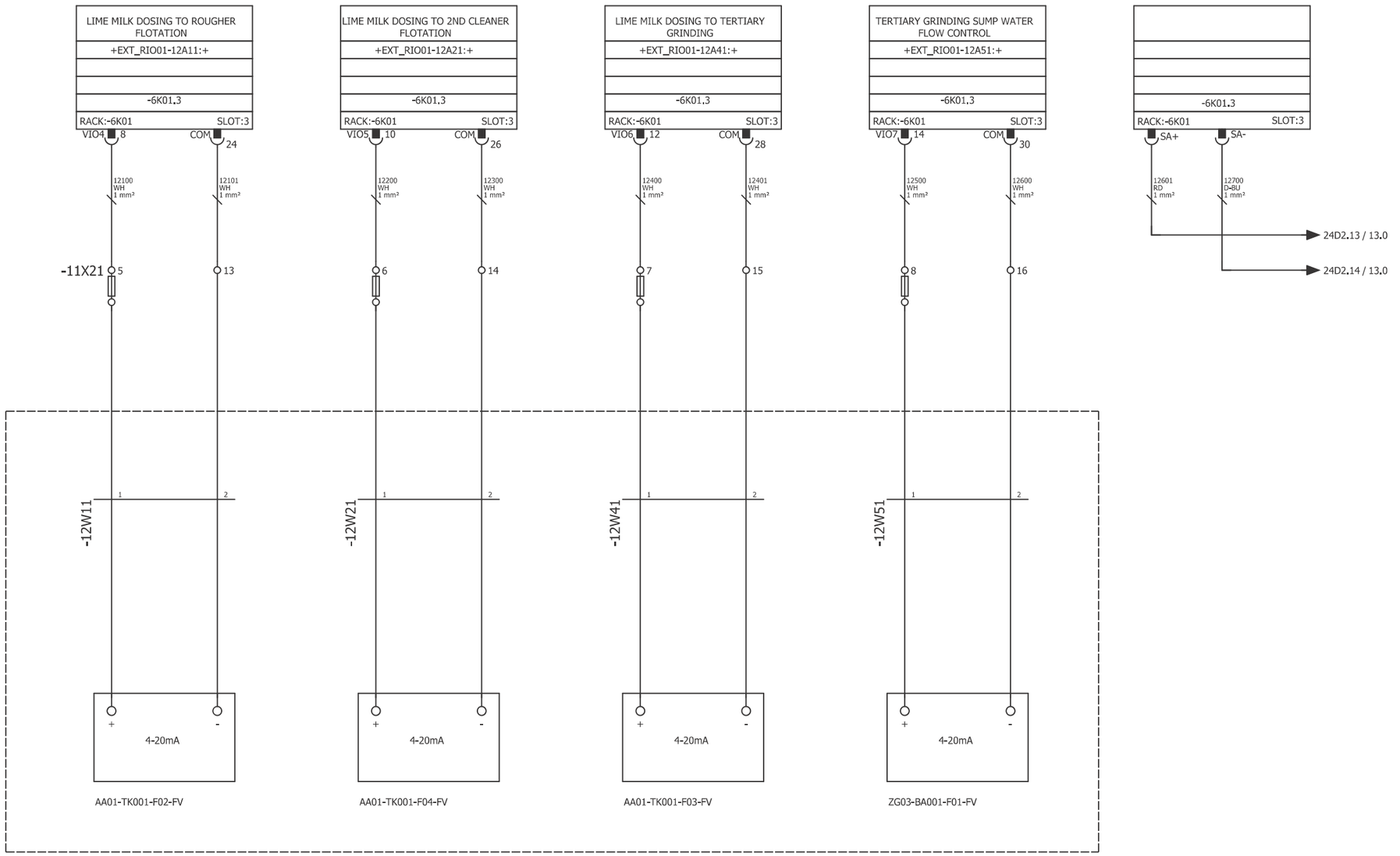


LIME MILK DOSING TO 2ND CLEANER

LIME MILK DOSING TO 3D CLEANER

LIME MILK DOSING TO REGRINDING

LIME MILK DISTRIBUTION LINE PRESSURE CONTROL



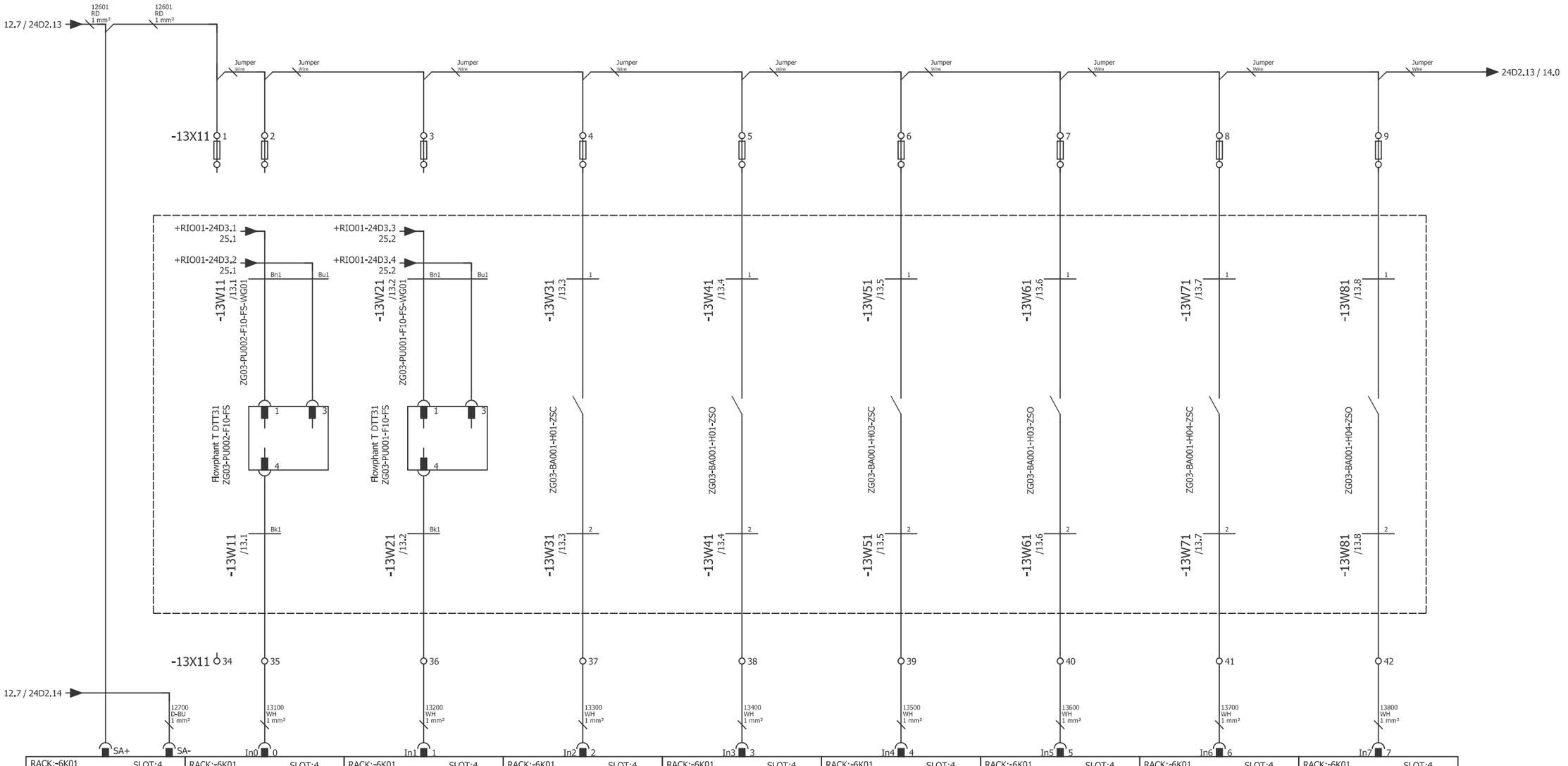
LIME MILK DOSING TO ROUGHER FLOTATION

LIME MILK DOSING TO 2ND CLEANER FLOTATION

LIME MILK DOSING TO TERTIARY GRINDING

TERTIARY GRINDING SUMP WATER FLOW CONTROL

0	1	2	3	4	5	6	7	8	9



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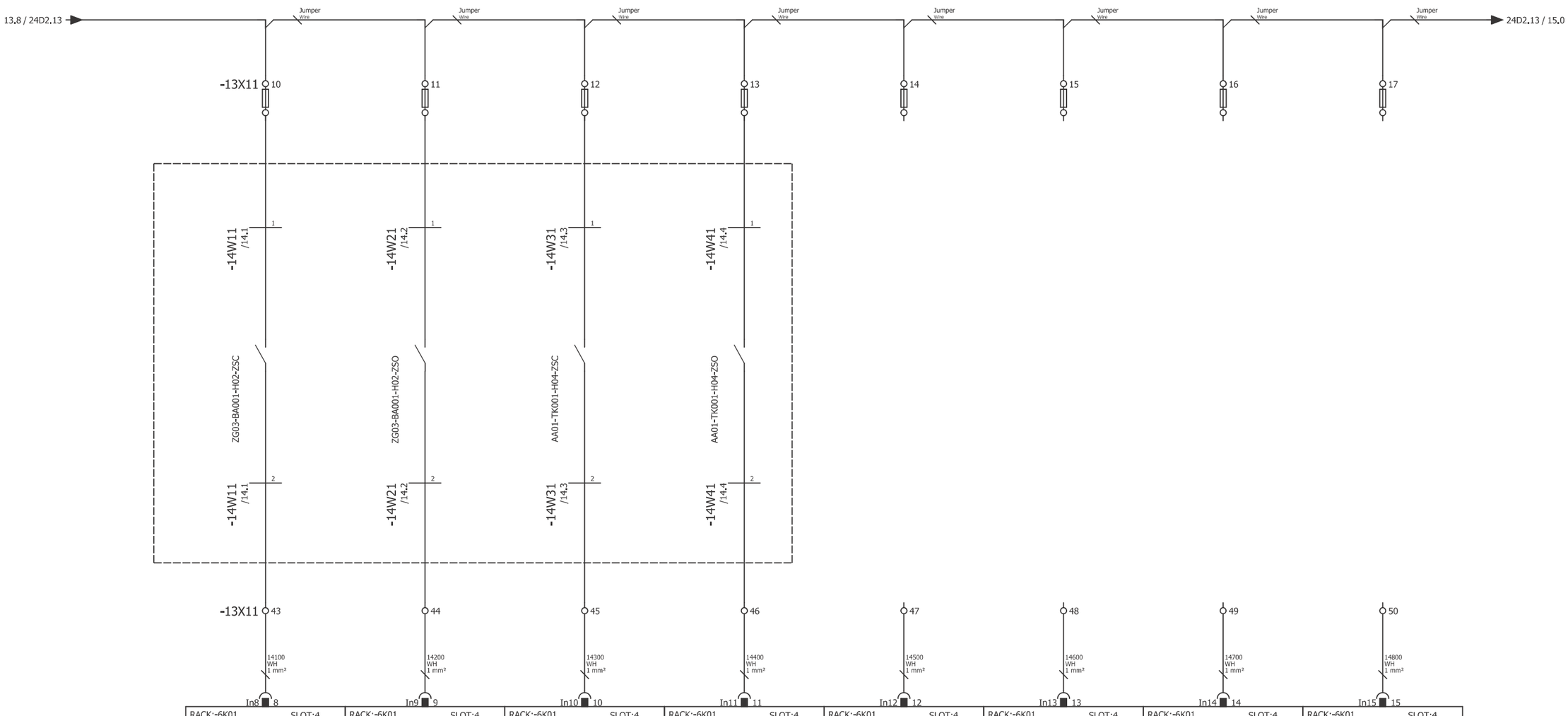
-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4
	+EXT_RIO01-13A1:4	+EXT_RIO01-13A2:4	+EXT_RIO01-K	+EXT_RIO01-K	+EXT_RIO01-K	+EXT_RIO01-K	+EXT_RIO01-K	+EXT_RIO01-K
	TERTIARY GRINDING FEED PUMP 2 SEALING WATER FLOW	TERTIARY GRINDING FEED PUMP 1 SEALING WATER FLOW	TERTIARY HC CLUSTER FEED PUMP 1 SUCTION SHUT-OFF VALVE - CLOSED LIMIT	TERTIARY HC CLUSTER FEED PUMP 1 SUCTION SHUT-OFF VALVE - OPEN LIMIT	TERTIARY HC CLUSTER FEED PUMP 2 SUCTION SHUT-OFF VALVE - CLOSED LIMIT	TERTIARY HC CLUSTER FEED PUMP 2 SUCTION SHUT-OFF VALVE - OPEN LIMIT	TERTIARY HC CLUSTER FEED PUMP 2 PRESSURE SHUT-OFF VALVE - CLOSED LIMIT	TERTIARY HC CLUSTER FEED PUMP 2 PRESSURE SHUT-OFF VALVE - OPEN LIMIT

0	1	2	3	4	5	6	7	8	9
	TERTIARY HC CLUSTER FEED PUMP 1 PRESSURE SHUT-OFF VALVE VALVE - CLOSED LIMIT	TERTIARY HC CLUSTER FEED PUMP 1 PRESSURE SHUT-OFF VALVE VALVE - OPEN LIMIT	LIME MILK DISTRIBUTION PUMP 2 PRESSURE SHUT-OFF VALVE - CLOSED LIMIT	LIME MILK DISTRIBUTION PUMP 2 PRESSURE SHUT-OFF VALVE - OPEN LIMIT	SPARE	SPARE	SPARE	SPARE	



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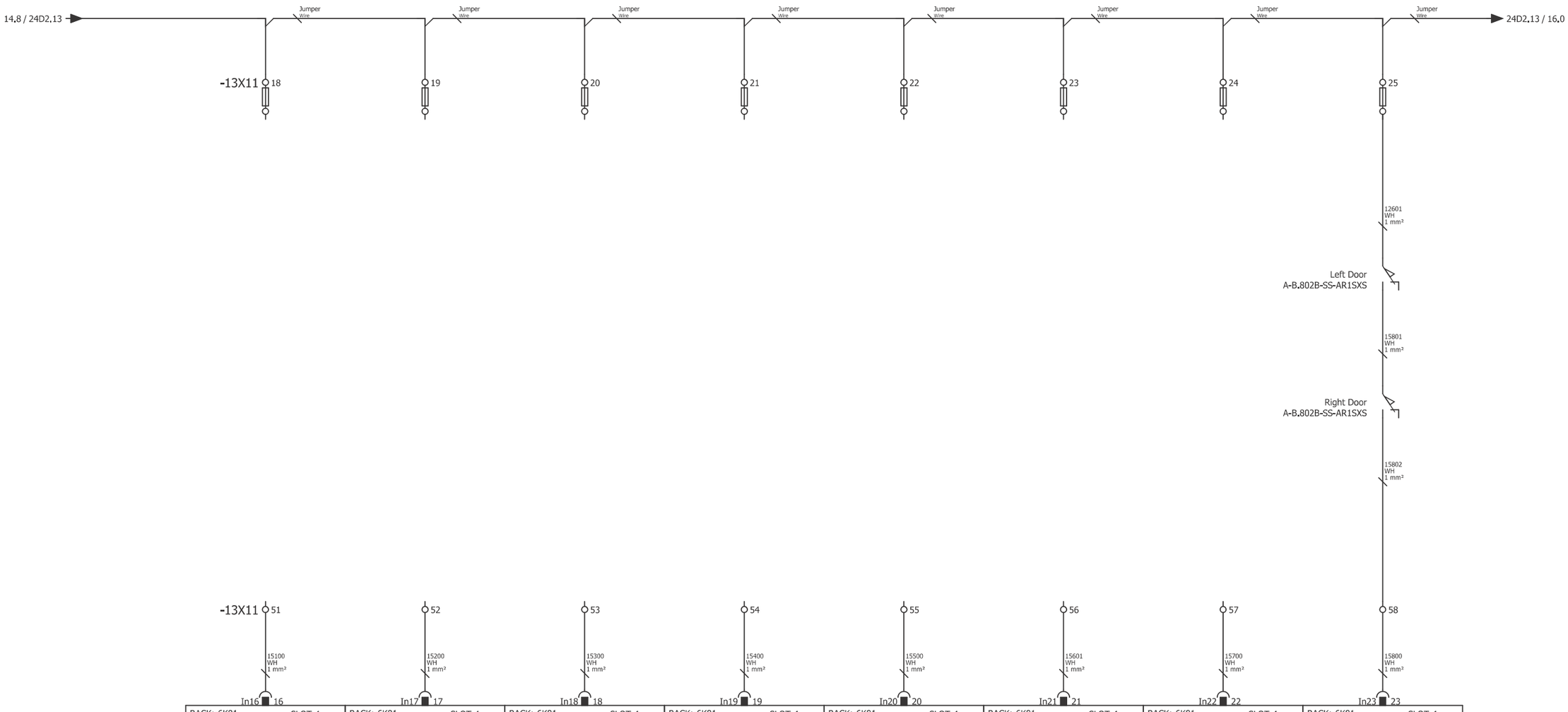
-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4
+EXT_RIO01-K	+EXT_RIO01-K	+EXT_RIO01-K	+EXT_RIO01-K	-13X11:47	-13X11:48	-13X11:49	-13X11:50
TERTIARY HC CLUSTER FEED PUMP 1 PRESSURE SHUT-OFF VALVE VALVE - CLOSED LIMIT	TERTIARY HC CLUSTER FEED PUMP 1 PRESSURE SHUT-OFF VALVE VALVE - OPEN LIMIT	LIME MILK DISTRIBUTION PUMP 2 PRESSURE SHUT-OFF VALVE - CLOSED LIMIT	LIME MILK DISTRIBUTION PUMP 2 PRESSURE SHUT-OFF VALVE - OPEN LIMIT	SPARE	SPARE	SPARE	SPARE

0	1	2	3	4	5	6	7	8	9
	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	CABINET DOOR OPEN	



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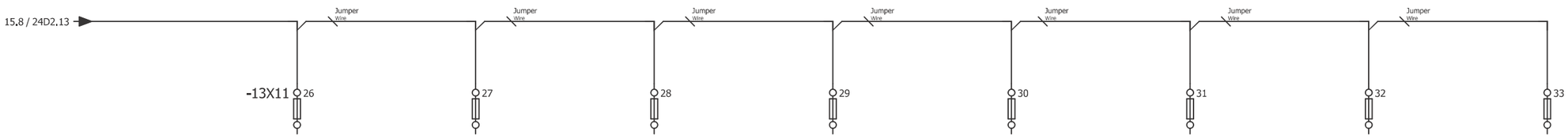
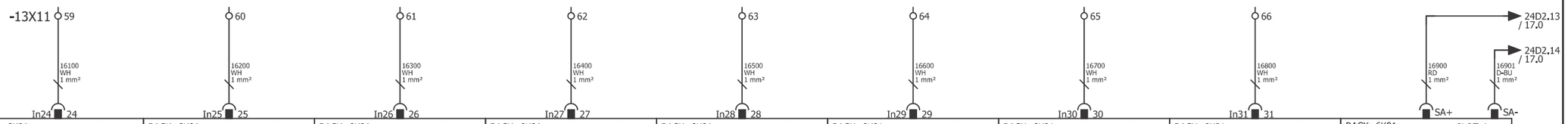
-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4
-13X11:51	-13X11:52	-13X11:53	-13X11:54	-13X11:55	-13X11:56	-13X11:57	-15B82
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	CABINET DOOR OPEN

0	1	2	3	4	5	6	7	8	9
	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	





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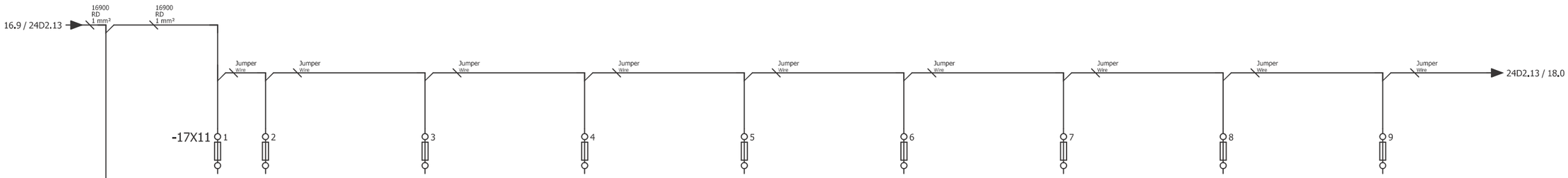
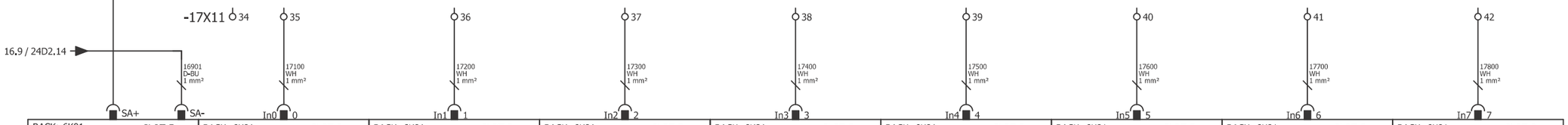
-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4	-6K01.4
-13X11:59	-13X11:60	-13X11:61	-13X11:62	-13X11:63	-13X11:64	-13X11:65	-13X11:66	
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	

0	1	2	3	4	5	6	7	8	9

SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE





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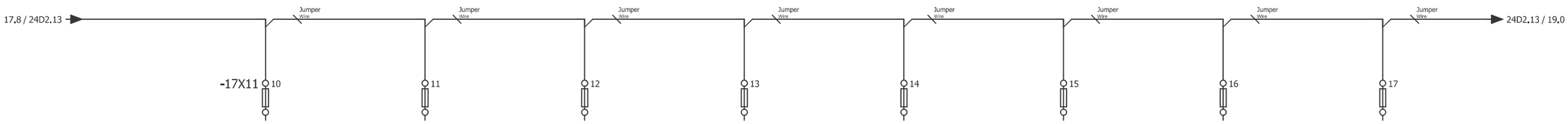
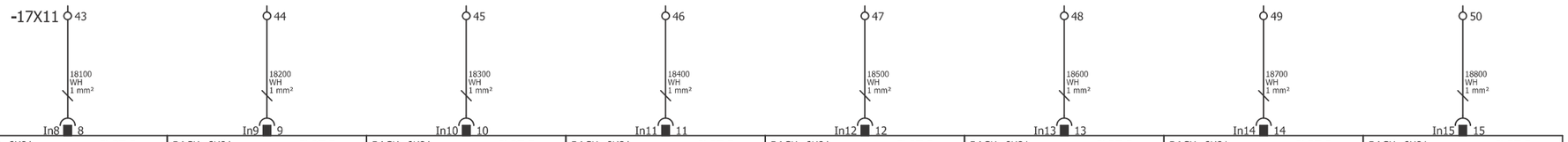
	-17X11:35	-17X11:36	-17X11:37	-17X11:38	-17X11:39	-17X11:40	-17X11:41	-17X11:42
	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

0	1	2	3	4	5	6	7	8	9
	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	





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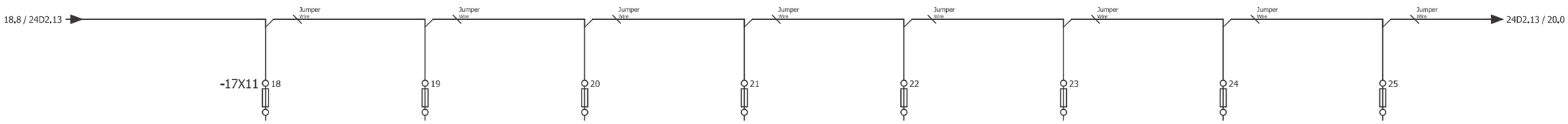
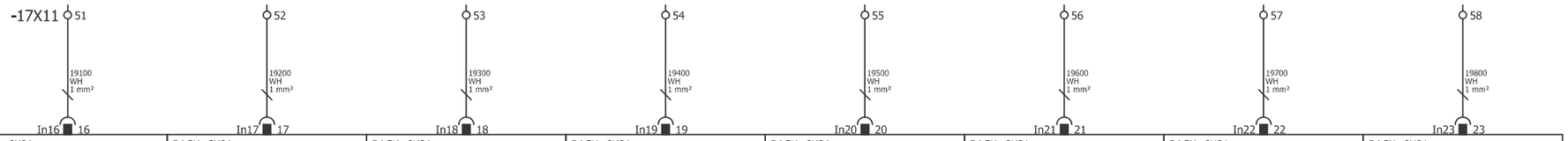
-6K01.5	-6K01.5	-6K01.5	-6K01.5	-6K01.5	-6K01.5	-6K01.5	-6K01.5
-17X11:43	-17X11:44	-17X11:45	-17X11:46	-17X11:47	-17X11:48	-17X11:49	-17X11:50
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

0	1	2	3	4	5	6	7	8	9
	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	





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-17X11:51	-17X11:52	-17X11:53	-17X11:54	-17X11:55	-17X11:56	-17X11:57	-17X11:58
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

0	1	2	3	4	5	6	7	8	9

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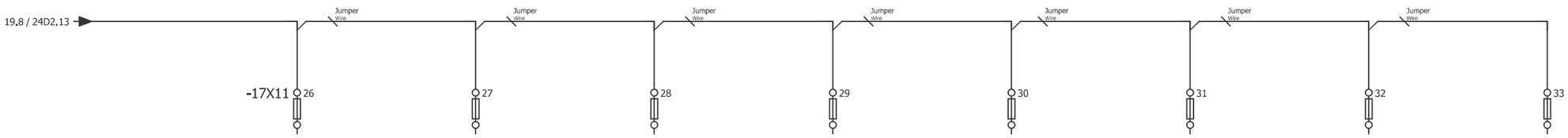

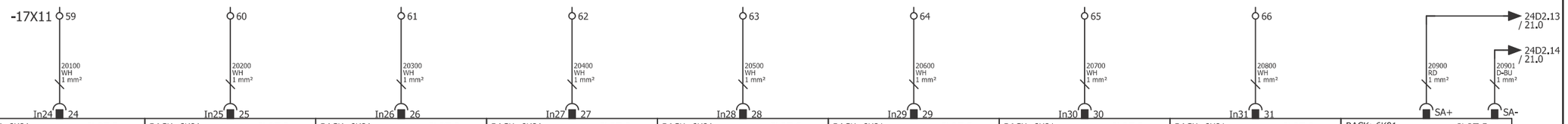

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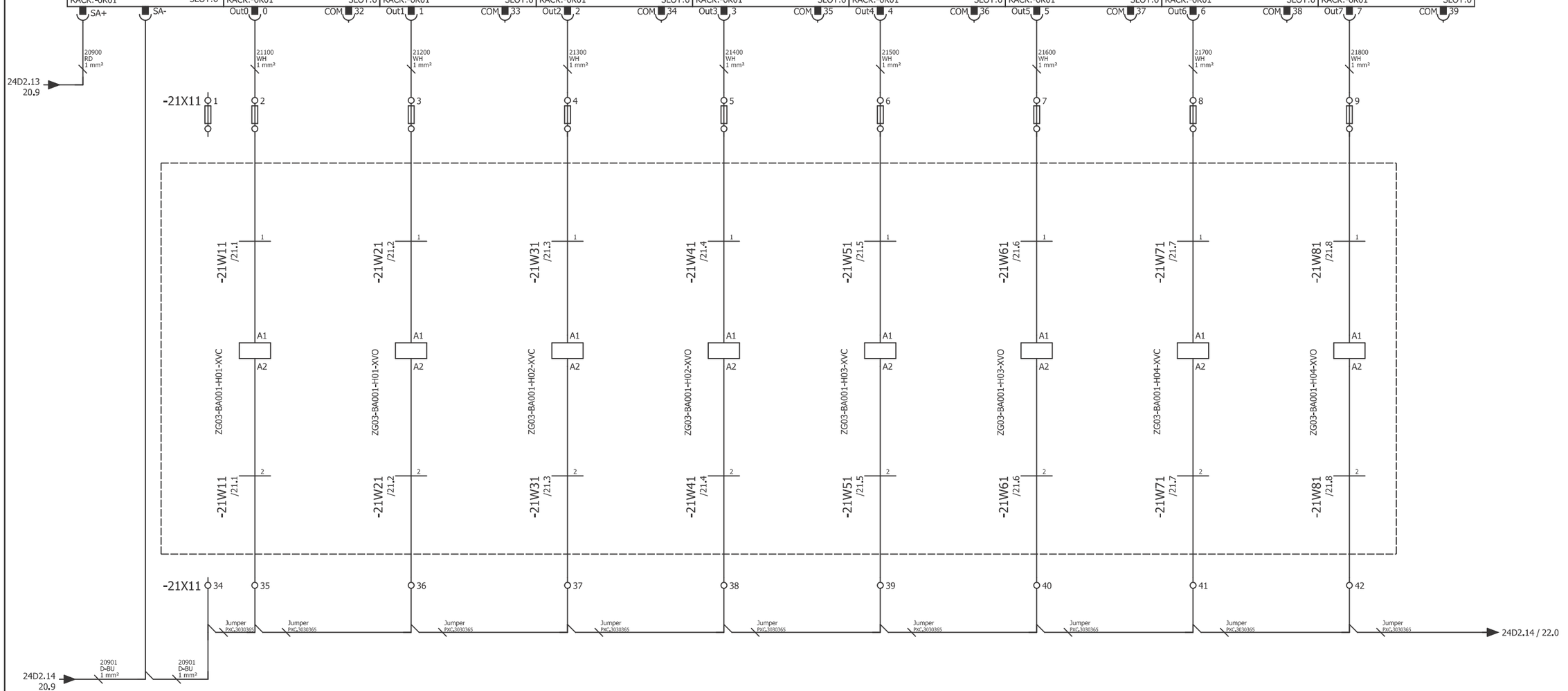
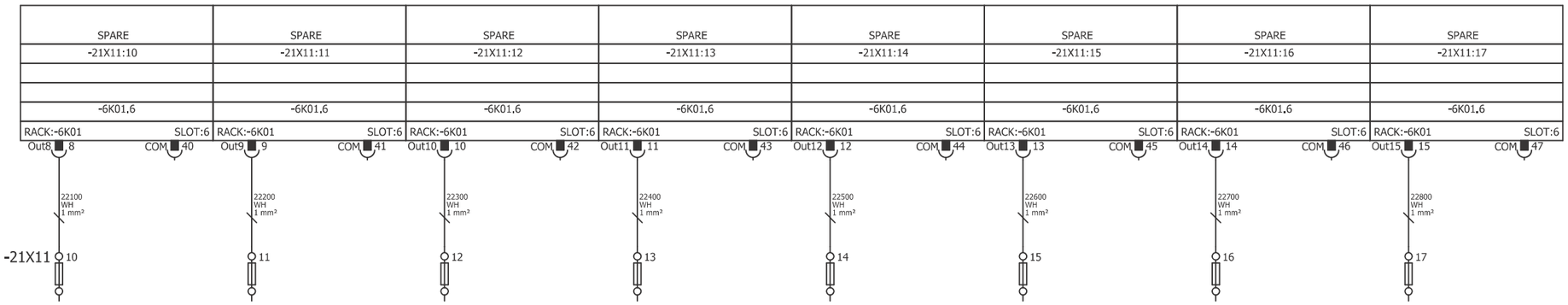
-17X11:59	-17X11:60	-17X11:61	-17X11:62	-17X11:63	-17X11:64	-17X11:65	-17X11:66	
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	

	TERTIARY HC CLUSTER FEED PUMP 1 SUCTION SHUT-OFF VALVE - OPEN SIGNAL	TERTIARY HC CLUSTER FEED PUMP 1 SUCTION SHUT-OFF VALVE - CLOSE SIGNAL	TERTIARY HC CLUSTER FEED PUMP 2 SUCTION SHUT-OFF VALVE - CLOSE SIGNAL	TERTIARY HC CLUSTER FEED PUMP 2 SUCTION SHUT-OFF VALVE - OPEN SIGNAL	TERTIARY HC CLUSTER FEED PUMP 1 PRESSURE SHUT-OFF VALVE - CLOSE SIGNAL	TERTIARY HC CLUSTER FEED PUMP 1 PRESSURE SHUT-OFF VALVE - OPEN SIGNAL	TERTIARY HC CLUSTER FEED PUMP 2 PRESSURE SHUT-OFF VALVE - CLOSE SIGNAL	TERTIARY HC CLUSTER FEED PUMP 2 PRESSURE SHUT-OFF VALVE - OPEN SIGNAL
	+EXT_RIO01-21Q11:A1	+EXT_RIO01-21Q21:A1	+EXT_RIO01-21Q31:A1	+EXT_RIO01-21Q41:A1	+EXT_RIO01-21Q51:A1	+EXT_RIO01-21Q61:A1	+EXT_RIO01-21Q71:A1	+EXT_RIO01-21Q81:A1
-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6
RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6



TERTIARY HC CLUSTER FEED PUMP 1 SUCTION SHUT-OFF VALVE - OPEN SIGNAL	TERTIARY HC CLUSTER FEED PUMP 1 SUCTION SHUT-OFF VALVE - CLOSE SIGNAL	TERTIARY HC CLUSTER FEED PUMP 2 SUCTION SHUT-OFF VALVE - CLOSE SIGNAL	TERTIARY HC CLUSTER FEED PUMP 2 SUCTION SHUT-OFF VALVE - OPEN SIGNAL	TERTIARY HC CLUSTER FEED PUMP 1 PRESSURE SHUT-OFF VALVE - CLOSE SIGNAL	TERTIARY HC CLUSTER FEED PUMP 1 PRESSURE SHUT-OFF VALVE - OPEN SIGNAL	TERTIARY HC CLUSTER FEED PUMP 2 PRESSURE SHUT-OFF VALVE - CLOSE SIGNAL	TERTIARY HC CLUSTER FEED PUMP 2 PRESSURE SHUT-OFF VALVE - OPEN SIGNAL

0	1	2	3	4	5	6	7	8	9



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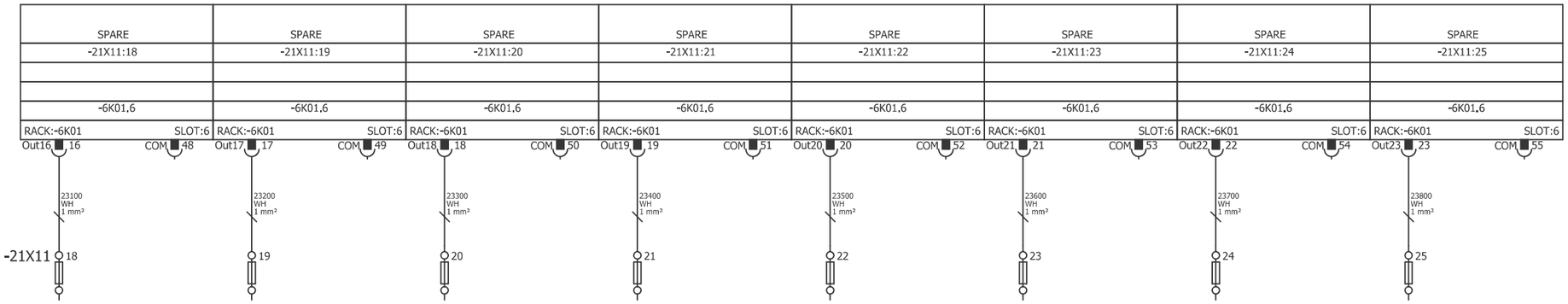

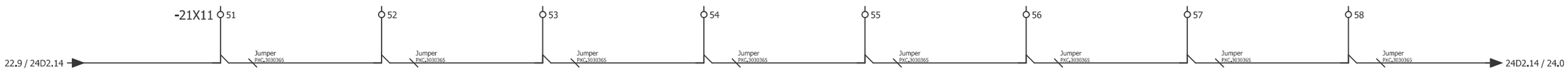

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0	1	2	3	4	5	6	7	8	9

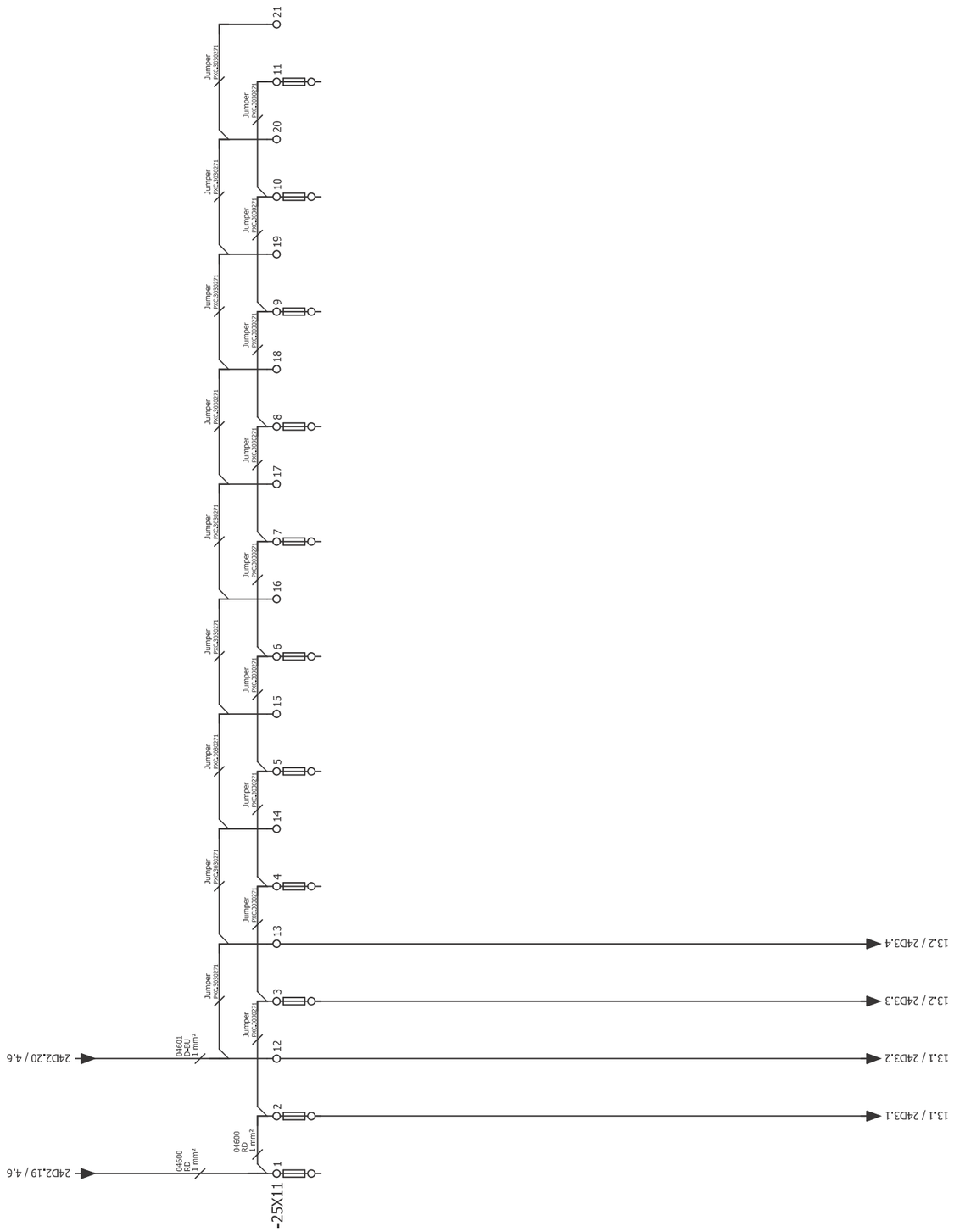
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE		
-21X11:26	-21X11:27	-21X11:28	-21X11:29	-21X11:30	-21X11:31	-21X11:32	-21X11:33		
-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6	-6K01.6	
RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	RACK:-6K01 SLOT:6	
Out24 24 COM 56	Out25 25 COM 57	Out26 26 COM 58	Out27 27 COM 59	Out28 28 COM 60	Out29 29 COM 61	Out30 30 COM 62	Out31 31 COM 63	SA+ SA-	

24100 WH 1 mm² — -21X11 26
24200 WH 1 mm² — 27
24300 WH 1 mm² — 28
24400 WH 1 mm² — 29
24500 WH 1 mm² — 30
24600 WH 1 mm² — 31
24700 WH 1 mm² — 32
24800 WH 1 mm² — 33

23.9 / 24D2.14 →

-21X11 59 — Jumper PXC.3030365 — 60 — Jumper PXC.3030365 — 61 — Jumper PXC.3030365 — 62 — Jumper PXC.3030365 — 63 — Jumper PXC.3030365 — 64 — Jumper PXC.3030365 — 65 — Jumper PXC.3030365 — 66

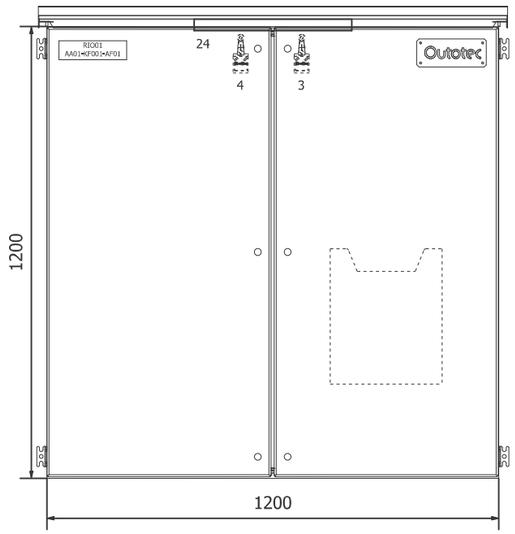
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE


-25X11
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
Jumper
PVC-2030221
04600
RD
1 mm²
04601
D-BU
1 mm²
24D2.19 / 4.6
24D2.20 / 4.6
13.1 / 24D3.1
13.1 / 24D3.2
13.2 / 24D3.3
13.2 / 24D3.4

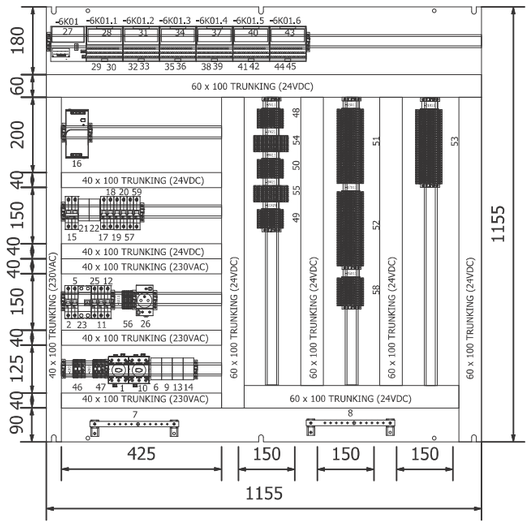
0	1	2	3	4	5	6	7	8	9

Roof view

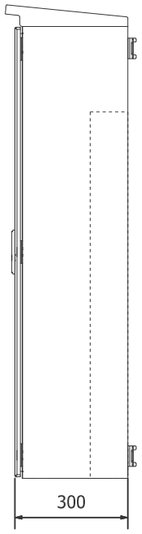
Front view



Internal view



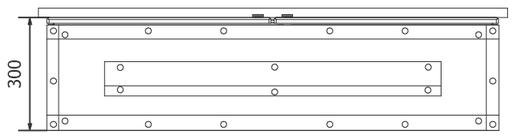
Right side view



STA.SES001

PXC.1201442

Bottom view



Enclosure legend: -MP

Item	Device tag	Part number
1	-1Q01	A-B.194E-A40-1753-6N
2	-1Q02	A-B.1492-SPM1C040
3	-15B82	A-B.802B-SS-AR1SXS
4	-15B81	A-B.802B-SS-AR1SXS
5	-1Q21	A-B.1492-SPM1C040
6	-1X02	PXC.3273646
7	-01XPE21	
8	-01XIE71	
9	-1X03	PXC.3273638
10	-2Q01	A-B.194E-A40-1753-6N
11	-2Q02	A-B.1492-SPM1C040
12	-2Q21	A-B.1492-SPM1C040
13	-2X02	PXC.3273646
14	-2X03	PXC.3273638
15	-3Q01	A-B.1492-SPM2B100
16	-3T01	A-B.1606-XLE240E
17	-4Q01	A-B.1492-SPM1B040
18	-4Q11	A-B.1492-SPM1B040
19	-4Q31	A-B.1492-SPM1B040
20	-4Q41	A-B.1492-SPM1B040
21	-4X01	PXC.3273640
22	-4X02	PXC.3273638
23	-5F11	HAG.CD266J
24	-5E61	A-B.855L-NX2
25	-5Q11	A-B.1492-SPM1C060
26	-5XS31	PXC.0804038
27	-6K01	A-B.5094-AENTR
28	-6K01.1	A-B.5094-IF8
29	-6K01.1	A-B.5094-RTB3S
30	-6K01.1	A-B.5094-MB
31	-6K01.2	A-B.5094-IF8
32	-6K01.2	A-B.5094-RTB3S
33	-6K01.2	A-B.5094-MB
34	-6K01.3	A-B.5094-OF8
35	-6K01.3	A-B.5094-RTB3S
36	-6K01.3	A-B.5094-MB
37	-6K01.4	A-B.5094-IB32
38	-6K01.4	A-B.5094-RTB32VS
39	-6K01.4	A-B.5094-MB
40	-6K01.5	A-B.5094-IB32
41	-6K01.5	A-B.5094-RTB32VS
42	-6K01.5	A-B.5094-MB
43	-6K01.6	A-B.5094-OB32
44	-6K01.6	A-B.5094-RTB32CS
45	-6K01.6	A-B.5094-MB
46	-1X01	
47	-2X01	
48	-7X11	
49	-11X21	
50	-9X11	
51	-13X11	
52	-17X11	
53	-21X11	
54	-7X21	
55	-9X21	
56	-5X11	
57	-4Q51	A-B.1492-SPM1B020
58	-25X11	
59	-4Q61	A-B.1492-SPM1B040

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Scope of Supply	Part number
+RIO04-9A71	1	Solid-State Temperature Sensor, Standard, Non-Display	837T-N1N14A25A-D4	Allen-Bradley		A-B.837T-N1N14A25A-D4
+RIO04-17B11	1	Compact Limit Switch	802B-SS-AR1SXS	Allen-Bradley		A-B.802B-SS-AR1SXS
+RIO04-17B12	1	Compact Limit Switch	802B-SS-AR1SXS	Allen-Bradley		A-B.802B-SS-AR1SXS
+RIO04-5E61	1	855L Panel Light Bar	855L-NX2	Allen-Bradley		A-B.855L-NX2
+RIO04-Enclosure	1	Custome Panel (1200H x 1200W x 300D) mm	SES001	Staro		STA.SES001
+RIO04-Enclosure_Acc	10	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-5F11	1	Residual Current Device, 2 poles, trip current-30mA, Op. current-25A	CD266J	Hager		HAG.CD266J
+RIO04-6K01	1	5094 Ethernet Adapter 8 Modules RJ45	5094-AENTR	Allen-Bradley		A-B.5094-AENTR
+RIO04-6K01.1	1	5094 Analog 8 Input	5094-IF8	Allen-Bradley		A-B.5094-IF8
+RIO04-6K01.1	1	5094 RTB Spring	5094-RTB3S	Allen-Bradley		A-B.5094-RTB3S
+RIO04-6K01.1	1	5094 Mounting Base	5094-MB	Allen-Bradley		A-B.5094-MB
+RIO04-6K01.2	1	5094 Analog 8 Input	5094-IF8	Allen-Bradley		A-B.5094-IF8
+RIO04-6K01.2	1	5094 RTB Spring	5094-RTB3S	Allen-Bradley		A-B.5094-RTB3S
+RIO04-6K01.2	1	5094 Mounting Base	5094-MB	Allen-Bradley		A-B.5094-MB
+RIO04-6K01.3	1	5094 Analog 8 Output	5094-OF8	Allen-Bradley		A-B.5094-OF8
+RIO04-6K01.3	1	5094 RTB Spring	5094-RTB3S	Allen-Bradley		A-B.5094-RTB3S
+RIO04-6K01.3	1	5094 Mounting Base	5094-MB	Allen-Bradley		A-B.5094-MB
+RIO04-6K01.4	1	5094 Digital 32 Input	5094-IB32	Allen-Bradley		A-B.5094-IB32
+RIO04-6K01.4	1	5094 RTB Spring	5094-RTB32VS	Allen-Bradley		A-B.5094-RTB32VS
+RIO04-6K01.4	1	5094 Mounting Base	5094-MB	Allen-Bradley		A-B.5094-MB
+RIO04-6K01.5	1	5094 Digital 32 Input	5094-IB32	Allen-Bradley		A-B.5094-IB32
+RIO04-6K01.5	1	5094 RTB Spring	5094-RTB32VS	Allen-Bradley		A-B.5094-RTB32VS
+RIO04-6K01.5	1	5094 Mounting Base	5094-MB	Allen-Bradley		A-B.5094-MB
+RIO04-6K01.6	1	5094 Digital 32 Output	5094-OB32	Allen-Bradley		A-B.5094-OB32
+RIO04-6K01.6	1	5094 RTB Spring	5094-RTB32CS	Allen-Bradley		A-B.5094-RTB32CS
+RIO04-6K01.6	1	5094 Mounting Base	5094-MB	Allen-Bradley		A-B.5094-MB
+RIO04-6K01.7	1	5094 Digital 32 Output	5094-OB32	Allen-Bradley		A-B.5094-OB32
+RIO04-6K01.7	1	5094 RTB Spring	5094-RTB32CS	Allen-Bradley		A-B.5094-RTB32CS
+RIO04-6K01.7	1	5094 Mounting Base	5094-MB	Allen-Bradley		A-B.5094-MB
+RIO04-1Q01	1	IEC Load Switch, Open, Base/DIN Rail Mounting, 3 Poles, 40A, OFF-ON 90°	194E-A40-1753-6N	Allen-Bradley		A-B.194E-A40-1753-6N
+RIO04-1Q01	1	194L Accessories, Control Knob, Red, w/Locking Facility	194L-G2864R	Allen-Bradley		A-B.194L-G2864R
+RIO04-1Q01	1	Terminal Cover, 40-63A, 3 Pole	194E-40-C3	Allen-Bradley		A-B.194E-40-C3
+RIO04-1Q02	1	Supplementary Protectors, SP, Trip Curve C, 4A, No Neutral, 230V AC	1492-SPM1C040	Allen-Bradley		A-B.1492-SPM1C040
+RIO04-1Q21	1	Supplementary Protectors, SP, Trip Curve C, 4A, No Neutral, 230V AC	1492-SPM1C040	Allen-Bradley		A-B.1492-SPM1C040
+RIO04-2Q01	1	IEC Load Switch, Open, Base/DIN Rail Mounting, 3 Poles, 40A, OFF-ON 90°	194E-A40-1753-6N	Allen-Bradley		A-B.194E-A40-1753-6N
+RIO04-2Q01	1	194L Accessories, Control Knob, Red, w/Locking Facility	194L-G2864R	Allen-Bradley		A-B.194L-G2864R
+RIO04-2Q01	1	Terminal Cover, 40-63A, 3 Pole	194E-40-C3	Allen-Bradley		A-B.194E-40-C3
+RIO04-2Q02	1	Supplementary Protectors, SP, Trip Curve C, 4A, No Neutral, 230V AC	1492-SPM1C040	Allen-Bradley		A-B.1492-SPM1C040
+RIO04-2Q21	1	Supplementary Protectors, SP, Trip Curve C, 4A, No Neutral, 230V AC	1492-SPM1C040	Allen-Bradley		A-B.1492-SPM1C040
+RIO04-3Q01	1	Supplementary Protectors, DP, Trip Curve B, 10A, No Neutral, 230V AC	1492-SPM2B100	Allen-Bradley		A-B.1492-SPM2B100
+RIO04-4Q01	1	Miniature Circuit Breaker	1492-SPM1B040	Allen-Bradley		A-B.1492-SPM1B040
+RIO04-4Q11	1	Miniature Circuit Breaker	1492-SPM1B040	Allen-Bradley		A-B.1492-SPM1B040
+RIO04-4Q31	1	Miniature Circuit Breaker	1492-SPM1B040	Allen-Bradley		A-B.1492-SPM1B040
+RIO04-4Q41	1	Miniature Circuit Breaker	1492-SPM1B040	Allen-Bradley		A-B.1492-SPM1B040
+RIO04-4Q51	1	Miniature Circuit Breaker	1492-SPM1B020	Allen-Bradley		A-B.1492-SPM1B020
+RIO04-5Q11	1	Supplementary Protectors, SP, Trip Curve C, 6A, No Neutral, 230V AC	1492-SPM1C060	Allen-Bradley		A-B.1492-SPM1C060
+RIO04-3T01	1	Switched Mode Power Supply, 120/240V AC Input Voltage, 24-28V DC, 240 W	1606-XLE240E	Allen-Bradley		A-B.1606-XLE240E
+RIO04-9W71	1	Cordset: DC Micro (M12) / PVC Cable / 0.34mm²	889D-F4AC-2	Allen-Bradley		A-B.889D-F4AC-2
+RIO04-1X01	2	Feed-through terminal block	UT 10	Phoenix Contact		PXC.3044160
+RIO04-1X01	1	End cover	D-UT 2,5/10	Phoenix Contact		PXC.3047028
+RIO04-1X01	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-1X01	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-1X01	1	Ground modular terminal block	UT 10-PE	Phoenix Contact		PXC.3044173
+RIO04-1X02	1	Distribution block	PTFIX 10/18X4-NS35 BN	Phoenix Contact		PXC.3273646
+RIO04-1X03	1	Distribution block	PTFIX 10/18X4-NS35 BU	Phoenix Contact		PXC.3273638
+RIO04-2X01	2	Feed-through terminal block	UT 10	Phoenix Contact		PXC.3044160

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Scope of Supply	Part number
+RIO04-2X01	1	End cover	D-UT 2,5/10	Phoenix Contact		PXC.3047028
+RIO04-2X01	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-2X01	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-2X01	1	Ground modular terminal block	UT 10-PE	Phoenix Contact		PXC.3044173
+RIO04-2X02	1	Distribution block	PTFIX 10/18X4-NS35 BN	Phoenix Contact		PXC.3273646
+RIO04-2X03	1	Distribution block	PTFIX 10/18X4-NS35 BU	Phoenix Contact		PXC.3273638
+RIO04-4X01	1	Distribution block	PTFIX 10/18X4-NS35 RD	Phoenix Contact		PXC.3273640
+RIO04-4X02	1	Distribution block	PTFIX 10/18X4-NS35 BU	Phoenix Contact		PXC.3273638
+RIO04-5X11	4	Feed-through terminal block	UT 2,5	Phoenix Contact		PXC.3044076
+RIO04-5X11	1	End cover	D-UT 2,5/10	Phoenix Contact		PXC.3047028
+RIO04-5X11	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-5X11	1	Plug-in bridge	FBS 3-5	Phoenix Contact		PXC.3030174
+RIO04-5X11	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-5X11	1	Ground modular terminal block	UT 2,5-PE	Phoenix Contact		PXC.3044092
+RIO04-7X11	8	Disconnect terminal block	UTTB 4-TG	Phoenix Contact		PXC.3044720
+RIO04-7X11	8	Fuse plug	P-FU 5X20 LED 24	Phoenix Contact		PXC.3036819
+RIO04-7X11	1	End cover	D-UTTB 2,5/4	Phoenix Contact		PXC.3047293
+RIO04-7X11	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-7X11	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-7X11	1	Plug-in bridge	FBS 10-6	Phoenix Contact		PXC.3030271
+RIO04-7X21	8	Multi-level terminal block	UT 2,5-3L	Phoenix Contact		PXC.3214259
+RIO04-7X21	1	End cover	D-UT 2,5-3L	Phoenix Contact		PXC.3214314
+RIO04-7X21	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-7X21	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-9X11	8	Disconnect terminal block	UTTB 4-TG	Phoenix Contact		PXC.3044720
+RIO04-9X11	8	Fuse plug	P-FU 5X20 LED 24	Phoenix Contact		PXC.3036819
+RIO04-9X11	1	End cover	D-UTTB 2,5/4	Phoenix Contact		PXC.3047293
+RIO04-9X11	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-9X11	1	End cover	D-UTTB 2,5/4	Phoenix Contact		PXC.3047293
+RIO04-9X11	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-9X11	1	Plug-in bridge	FBS 10-6	Phoenix Contact		PXC.3030271
+RIO04-9X21	8	Multi-level terminal block	UT 2,5-3L	Phoenix Contact		PXC.3214259
+RIO04-9X21	1	End cover	D-UT 2,5-3L	Phoenix Contact		PXC.3214314
+RIO04-9X21	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-9X21	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-11X21	8	Disconnect terminal block	UTTB 4-TG	Phoenix Contact		PXC.3044720
+RIO04-11X21	8	Fuse plug	P-FU 5X20 LED 24	Phoenix Contact		PXC.3036819
+RIO04-11X21	1	End cover	D-UTTB 2,5/4	Phoenix Contact		PXC.3047293
+RIO04-11X21	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-11X21	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-13X11	33	Disconnect terminal block	UTTB 4-TG	Phoenix Contact		PXC.3044720
+RIO04-13X11	33	Fuse plug	P-FU 5X20 LED 24	Phoenix Contact		PXC.3036819
+RIO04-13X11	1	End cover	D-UTTB 2,5/4	Phoenix Contact		PXC.3047293
+RIO04-13X11	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-13X11	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-17X11	33	Disconnect terminal block	UTTB 4-TG	Phoenix Contact		PXC.3044720
+RIO04-17X11	33	Fuse plug	P-FU 5X20 LED 24	Phoenix Contact		PXC.3036819
+RIO04-17X11	1	End cover	D-UTTB 2,5/4	Phoenix Contact		PXC.3047293
+RIO04-17X11	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-21X11	33	Disconnect terminal block	UTTB 4-TG	Phoenix Contact		PXC.3044720
+RIO04-21X11	33	Fuse plug	P-FU 5X20 LED 24	Phoenix Contact		PXC.3036819
+RIO04-21X11	1	End cover	D-UTTB 2,5/4	Phoenix Contact		PXC.3047293
+RIO04-21X11	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-21X11	2	Plug-in bridge	FBS 20-6	Phoenix Contact		PXC.3030365
+RIO04-21X11	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-25X11	33	Disconnect terminal block	UTTB 4-TG	Phoenix Contact		PXC.3044720
+RIO04-25X11	33	Fuse plug	P-FU 5X20 LED 24	Phoenix Contact		PXC.3036819
+RIO04-25X11	1	End cover	D-UTTB 2,5/4	Phoenix Contact		PXC.3047293

Parts list

Device tag	Quantity	Designation	Type number	Manufacturer	Scope of Supply	Part number
+RIO04-25X11	1	End clamp	E/UK	Phoenix Contact		PXC.1201442
+RIO04-25X11	2	Plug-in bridge	FBS 20-6	Phoenix Contact		PXC.3030365
+RIO04-25X11	1	Group marker label for terminal marking	UBE/D+ES/KMK3	Phoenix Contact		PXC.1004076
+RIO04-5XS31	1	Socket	EO-CF/PT	Phoenix Contact		PXC.0804038

Summarized parts list

MFG	Catalog	QTY	Tags	Description
A-B	837T-N1N14A25A-D4	1	10A11	Solid-State Temperature Sensor, Standard, Non-Display
A-B	802B-SS-AR1SXS	2	15B81;15B82	Compact Limit Switch
A-B	855L-NX2	1	5E61	855L Panel Light Bar
STA	SES001	1	Enclosure	Custome Panel (1200H x 1200W x 300D) mm
PXC	E/UK	22	1X01;2X01;5X11;7X11;7X21;9X21;11X21 13X11;17X11;21X11;25X11;Enclosure_Acc	End clamp
HAG	CD266J	1	5F11	Residual Current Device, 2 poles, trip current-30mA, Op. current-25A
A-B	5094-AENTR	1	6K01	5094 Ethernet Adapter 8 Modules RJ45
A-B	5094-IF8	2	6K01.1;6K01.2	5094 Analog 8 Input
A-B	5094-RTB3S	3	6K01.1...6K01.3	5094 RTB Spring
A-B	5094-MB	6	6K01.1...6K01.6	5094 Mounting Base
A-B	5094-OF8	1	6K01.3	5094 Analog 8 Output
A-B	5094-IB32	2	6K01.4;6K01.5	5094 Digital 32 Input
A-B	5094-RTB32VS	2	6K01.4;6K01.5	5094 RTB Spring
A-B	5094-OB32	1	6K01.6	5094 Digital 32 Output
A-B	5094-RTB32CS	1	6K01.6	5094 RTB Spring
A-B	194E-A40-1753-6N	2	1Q01;2Q01	IEC Load Switch, Open, Base/DIN Rail Mounting, 3 Poles, 40A, OFF-ON 90°
A-B	194L-G2864R	2	1Q01;2Q01	194L Accessories, Control Knob, Red, w/Locking Facility
A-B	194E-40-C3	2	1Q01;2Q01	Terminal Cover, 40-63A, 3 Pole
A-B	1492-SPM1C040	4	1Q02;1Q21;2Q02;2Q21	Supplementary Protectors, SP, Trip Curve C, 4A, No Neutral, 230V AC
A-B	1492-SPM2B100	1	3Q01	Supplementary Protectors, DP, Trip Curve B, 10A, No Neutral, 230V AC
A-B	1492-SPM1B040	5	4Q01;4Q11;4Q31;4Q41;4Q61	Miniature Circuit Breaker
A-B	1492-SPM1B020	1	4Q51	Miniature Circuit Breaker
A-B	1492-SPM1C060	1	5Q11	Supplementary Protectors, SP, Trip Curve C, 6A, No Neutral, 230V AC
A-B	1606-XLE240E	1	3T01	Switched Mode Power Supply, 120/240V AC Input Voltage, 24-28V DC, 240 W
A-B	889D-F4AC-2	1	10W11	Cordset: DC Micro (M12) / PVC Cable / 0.34mm²
PXC	UT 10	4	1X01;2X01	Feed-through terminal block
PXC	D-UT 2,5/10	3	1X01;2X01;5X11	End cover
PXC	UBE/D+ES/KMK3	12	1X01;2X01;5X11;7X11;7X21;9X11;9X21 11X21;13X11;17X11;21X11;25X11	Group marker label for terminal marking
PXC	UT 10-PE	2	1X01;2X01	Ground modular terminal block
PXC	PTFIX 10/18X4-NS35 BN	2	1X02;2X02	Distribution block
PXC	PTFIX 10/18X4-NS35 BU	3	1X03;2X03;4X02	Distribution block
PXC	PTFIX 10/18X4-NS35 RD	1	4X01	Distribution block
PXC	UT 2,5	4	5X11	Feed-through terminal block
PXC	FBS 3-5	1	5X11	Plug-in bridge
PXC	UT 2,5-PE	1	5X11	Ground modular terminal block
PXC	UTTB 4-TG	134	7X11;9X11;11X21;13X11;17X11;21X11 25X11	Disconnect terminal block
PXC	P-FU 5X20 LED 24	134	7X11;9X11;11X21;13X11;17X11;21X11 25X11	Fuse plug
PXC	D-UTTB 2,5/4	7	7X11;9X11;11X21;13X11;17X11;21X11 25X11	End cover
PXC	FBS 10-6	3	7X11;9X11;25X11	Plug-in bridge
PXC	UT 2,5-3L	16	7X21;9X21	Multi-level terminal block
PXC	D-UT 2,5-3L	2	7X21;9X21	End cover
PXC	FBS 20-6	2	21X11	Plug-in bridge
PXC	EO-CF/PT	1	5XS31	Socket

Terminal-strip overview

Terminal strip	Terminal strip definition text	Terminals					Graphical page of terminal diagrams
		first	last	Total PE	Total N	Total number	
-1X01	Non-UPS Incoming Terminal	1	PE	1	0	3	==EIA++RIO+RIO01&EMA02/1
-2X01	UPS Incoming Terminal	1	PE	1	0	3	==EIA++RIO+RIO01&EMA02/2
-5X11	Internal Terminal For Light & Socket	1	4	1	0	5	==EIA++RIO+RIO01&EMA02/3
-7X11	Supply TB for AI	1	16	0	0	16	==EIA++RIO+RIO01&EMA02/4
-7X21	TB for AI	1	21	0	0	24	==EIA++RIO+RIO01&EMA02/5
-9X11	Supply TB for AI	1	16	0	0	16	==EIA++RIO+RIO01&EMA02/6
-9X21	TB for AI	1	21	0	0	24	==EIA++RIO+RIO01&EMA02/7
-11X21	TB for AO	1	16	0	0	16	==EIA++RIO+RIO01&EMA02/8
-13X11	TB for DI	1	66	0	0	66	==EIA++RIO+RIO01&EMA02/9
-17X11	=	1	66	0	0	66	==EIA++RIO+RIO01&EMA02/10
-21X11	TB for DO	1	66	0	0	66	==EIA++RIO+RIO01&EMA02/11
-25X11	24VDC Supply For Instruments	1	11	0	0	21	==EIA++RIO+RIO01&EMA02/12

Terminal diagram

Strip

==EIA=++RIO+RIO01#-1X01

Non-UPS Incoming Terminal

Function text	Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	Terminal Type	Page / column
To 24VDC Power supply				1	'	-1Q01	1		UT 10	&EFS01/1.0
=				2	'	-1Q01	5		UT 10	&EFS01/1.1
To Utility Circuit				PE	'	-01XPE21	PE		UT 10-PE	&EFS01/1.1

Terminal diagram

Strip

==EIA=+RIO+RIO01#-2X01

UPS Incoming Terminal

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Terminal Type	Page / column
Spare					1	-	-2Q01	1			UT 10	&EFS01/2.0
=					2	-	-2Q01	5			UT 10	&EFS01/2.1
=					PE	-	-01XPE21	PE			UT 10-PE	&EFS01/2.1

Terminal diagram

Strip

==EIA=+RIO+RIO01#-5X11

Internal Terminal For Light & Socket

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Terminal Type	Page / column
Supply to Cabinet Lights					1		-5Q11	2			UT 2,5	&EFS01/5.1
Cabinet Socket			-5XS31	L	2						UT 2,5	&EFS01/5.3
Supply to Cabinet Lights					3		-5F11	4			UT 2,5	&EFS01/5.1
=					PE						UT 2,5-PE	&EFS01/5.1
Cabinet Socket			-5XS31	N	4						UT 2,5	&EFS01/5.3

Terminal diagram

Strip
==EIA=++RIO+RIO01#-7X11
Supply TB for AI

Function text	Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-7W11	+EXT_RIO01-7W31	+EXT_RIO01-7W41	+EXT_RIO01-7W51	Terminal Type	Page / column
		-4Q31	2	1		+EXT_RIO01-7A11	24V		1				UTTB 4-TG	&EFS01/7.1
				2		+EXT_RIO01-7A21	24V			1			UTTB 4-TG	&EFS01/7.3
				3		+EXT_RIO01-7A41	24V				1		UTTB 4-TG	&EFS01/7.4
				4		+EXT_RIO01-7A51	24V					1	UTTB 4-TG	&EFS01/7.6

Terminal diagram

Function text									Cable name	Strip ==EIA=++RIO+RIO01#-7X11 Supply TB for AI						Cable name	+EXT_RIO01-7W71	+EXT_RIO01-8W11	+EXT_RIO01-8W31	+EXT_RIO01-8W41		
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					Terminal Type	Page / column
												5		+EXT_RIO01-7A71	24V		1				UTTB 4-TG	&EFS01/7.7
												6		+EXT_RIO01-8A11	24V			1			UTTB 4-TG	&EFS01/8.1
												7		+EXT_RIO01-8A21	24V				1		UTTB 4-TG	&EFS01/8.3
										-9X11	1:3	8		+EXT_RIO01-8A41	24V					1	UTTB 4-TG	&EFS01/8.4

0	1	2	3	4	5	6	7	8	9

Terminal diagram

Strip

==EIA=++RIO+RIO01#-7X11

Supply TB for AI

Function text								Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-7W11	+EXT_RIO01-7W31	+EXT_RIO01-7W41	+EXT_RIO01-7W51	Terminal Type	Page / column
									-4X02		9		+EXT_RIO01-7A11	0V		2					&EFS01/7.1
											10		+EXT_RIO01-7A21	0V			2				&EFS01/7.3
											11		+EXT_RIO01-7A41	0V				2			&EFS01/7.4
											12		+EXT_RIO01-7A51	0V					2		&EFS01/7.6

Terminal diagram

Strip

==EIA=++RIO+RIO01#-7X11

Supply TB for AI

Function text	Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-7W71	+EXT_RIO01-8W11	+EXT_RIO01-8W31	+EXT_RIO01-8W41	Terminal Type	Page / column
				13		+EXT_RIO01-7A71	0V		2					&EFS01/7.7
				14		+EXT_RIO01-8A11	0V			2				&EFS01/8.1
				15		+EXT_RIO01-8A21	0V				2			&EFS01/8.3
		-9X11	9:4	16		+EXT_RIO01-8A41	0V					2		&EFS01/8.4

Terminal diagram

Function text									Cable name	Strip ==EIA=++RIO+RIO01#-7X21 TB for AI						Cable name	+EXT_RIO01-7W21	+EXT_RIO01-8W21	+EXT_RIO01-7W32	+EXT_RIO01-8W32		
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					Terminal Type	Page / column
										-6K01.1	0	1		+EXT_RIO01-7A11	+		1				UT 2,5-3L	&EFS01/7.2
										-6K01.1	16	9		+EXT_RIO01-7A11	-		2					&EFS01/7.2
										-6K01.1	32	17										&EFS01/7.2
										-6K01.1	10	6		+EXT_RIO01-8A11	+			1			UT 2,5-3L	&EFS01/8.2
										-6K01.1	26	14		+EXT_RIO01-8A11	-			2				&EFS01/8.2
										-6K01.1	42	22										&EFS01/8.2
										-6K01.1	2	2		+EXT_RIO01-7A21	+				1		UT 2,5-3L	&EFS01/7.3
										-6K01.1	18	10		+EXT_RIO01-7A21	-				2			&EFS01/7.3
										-6K01.1	34	18										&EFS01/7.4
										-6K01.1	12	7		+EXT_RIO01-8A21	+					1	UT 2,5-3L	&EFS01/8.3
										-6K01.1	28	15		+EXT_RIO01-8A21	-					2		&EFS01/8.3
										-6K01.1	44	23										&EFS01/8.4

Terminal diagram

Strip

==EIA=++RIO+RIO01#-7X21

TB for AI

Function text	Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-7W42	+EXT_RIO01-8W42	+EXT_RIO01-7W61	+EXT_RIO01-7W72	Terminal Type	Page / column
		-6K01.1	4	3		+EXT_RIO01-7A41	+		1				UT 2,5-3L	&EFS01/7.4
		-6K01.1	20	11		+EXT_RIO01-7A41	-		2					&EFS01/7.5
		-6K01.1	36	19										&EFS01/7.5
		-6K01.1	14	8		+EXT_RIO01-8A41	+			1			UT 2,5-3L	&EFS01/8.4
		-6K01.1	30	16		+EXT_RIO01-8A41	-			2				&EFS01/8.5
		-6K01.1	46	24										&EFS01/8.5
		-6K01.1	6	4		+EXT_RIO01-7A51	+				1		UT 2,5-3L	&EFS01/7.6
		-6K01.1	22	12		+EXT_RIO01-7A51	-				2			&EFS01/7.6
		-6K01.1	38	20										&EFS01/7.6
		-6K01.1	8	5		+EXT_RIO01-7A71	+					1	UT 2,5-3L	&EFS01/7.7
		-6K01.1	24	13		+EXT_RIO01-7A71	-					2		&EFS01/7.8
		-6K01.1	40	21										&EFS01/7.8

0	1	2	3	4	5	6	7	8	9

Terminal diagram

Strip

==EIA=++RIO+RIO01#-9X11

Supply TB for AI

Function text	Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-9W11	+EXT_RIO01-9W31	+EXT_RIO01-9W41	+EXT_RIO01-9W51	Terminal Type	Page / column
		-7X11	8:3	1		+EXT_RIO01-9A11	24V		1				UTTB 4-TG	&EFS01/9.1
				2		+EXT_RIO01-9A21	24V			1			UTTB 4-TG	&EFS01/9.3
				3		+EXT_RIO01-9A41	24V				1		UTTB 4-TG	&EFS01/9.4
				4		+EXT_RIO01-9A51	24V					1	UTTB 4-TG	&EFS01/9.6

Terminal diagram

Function text									Cable name	Strip ==EIA=++RIO+RIO01#-9X11 Supply TB for AI						Cable name	+EXT_RIO01-9W71	+EXT_RIO01-9W11	+EXT_RIO01-9W31	+EXT_RIO01-9W41		
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					Terminal Type	Page / column
												5		+EXT_RIO01-9A71	24V		1				UTTB 4-TG	&EFS01/9.7
												6									UTTB 4-TG	&EFS01/10.1
												7									UTTB 4-TG	&EFS01/10.3
												8									UTTB 4-TG	&EFS01/10.4
										-7X11	16:4	9		+EXT_RIO01-9A11	0V			2				&EFS01/9.1
												10		+EXT_RIO01-9A21	0V				2			&EFS01/9.3
												11		+EXT_RIO01-9A41	0V					2		&EFS01/9.4

0	1	2	3	4	5	6	7	8	9

Terminal diagram

Strip

==EIA=++RIO+RIO01#-9X11

Supply TB for AI

Function text								Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-9W51	+EXT_RIO01-9W71			Terminal Type	Page / column
											12		+EXT_RIO01-9A51	0V		2					&EFS01/9.6
											13		+EXT_RIO01-9A71	0V			2				&EFS01/9.7
											14										&EFS01/10.1
											15										&EFS01/10.3
											16										&EFS01/10.4

Terminal diagram

Function text									Cable name / Cable type	Strip ==EIA=++RIO+RIO01#-9X21 TB for AI Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-9W21	-10W11 DC Micro Cable	+EXT_RIO01-9W32	+EXT_RIO01-9W42	Terminal Type	Page / column
										-6K01.2	0	1		+EXT_RIO01-9A11	+		1				UT 2,5-3L	&EFS01/9.2
										-6K01.2	16	9		+EXT_RIO01-9A11	-		2					&EFS01/9.2
										-6K01.2	32	17										&EFS01/9.2
										-6K01.2	10	6		-10A11	2(Sig)			WH/2			UT 2,5-3L	&EFS01/10.2
										-6K01.2	26	14		-10A11	3(-)			BU/3				&EFS01/10.2
										-6K01.2	42	22		-10A11	1(+)			BN/1				&EFS01/10.2
										-6K01.2	2	2		+EXT_RIO01-9A21	+				1		UT 2,5-3L	&EFS01/9.3
										-6K01.2	18	10		+EXT_RIO01-9A21	-				2			&EFS01/9.3
										-6K01.2	34	18										&EFS01/9.4
										-6K01.2	12	7									UT 2,5-3L	&EFS01/10.3
										-6K01.2	28	15										&EFS01/10.3
										-6K01.2	44	23										&EFS01/10.4
										-6K01.2	4	3		+EXT_RIO01-9A41	+					1	UT 2,5-3L	&EFS01/9.4
										-6K01.2	20	11		+EXT_RIO01-9A41	-					2		&EFS01/9.5
										-6K01.2	36	19										&EFS01/9.5
										-6K01.2	14	8									UT 2,5-3L	&EFS01/10.4
										-6K01.2	30	16										&EFS01/10.5
										-6K01.2	46	24										&EFS01/10.5

Terminal diagram

Strip

==EIA=++RIO+RIO01#-9X21

TB for AI

Function text								Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-9W61	+EXT_RIO01-9W72			Terminal Type	Page / column
									-6K01.2	6	4		+EXT_RIO01-9A51	+		1				UT 2,5-3L	&EFS01/9.6
									-6K01.2	22	12		+EXT_RIO01-9A51	-		2					&EFS01/9.6
									-6K01.2	38	20										&EFS01/9.6
									-6K01.2	8	5		+EXT_RIO01-9A71	+			1			UT 2,5-3L	&EFS01/9.7
									-6K01.2	24	13		+EXT_RIO01-9A71	-			2				&EFS01/9.8
									-6K01.2	40	21										&EFS01/9.8

Terminal diagram

Function text	+EXT_RIO01-12W51	+EXT_RIO01-12W41	+EXT_RIO01-12W21	+EXT_RIO01-12W11	+EXT_RIO01-11W61	+EXT_RIO01-11W51	+EXT_RIO01-11W41	+EXT_RIO01-11W21	Cable name	Strip ==EIA=++RIO+RIO01#-11X21 TB for AO						Cable name						
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					Terminal Type	Page / column
								1		+EXT_RIO01-11A21	+	1	,	-6K01.3	0						UTTB 4-TG	&EFS01/11.2
							1			+EXT_RIO01-11A41	+	2	,	-6K01.3	2						UTTB 4-TG	&EFS01/11.4
						1				+EXT_RIO01-11A51	+	3	,	-6K01.3	4						UTTB 4-TG	&EFS01/11.5
					1					+EXT_RIO01-11A61	+	4	,	-6K01.3	6						UTTB 4-TG	&EFS01/11.7
				1						+EXT_RIO01-12A11	+	5	,	-6K01.3	8						UTTB 4-TG	&EFS01/12.1
			1							+EXT_RIO01-12A21	+	6	,	-6K01.3	10						UTTB 4-TG	&EFS01/12.2
		1								+EXT_RIO01-12A41	+	7	,	-6K01.3	12						UTTB 4-TG	&EFS01/12.4
	1									+EXT_RIO01-12A51	+	8	,	-6K01.3	14						UTTB 4-TG	&EFS01/12.5
								2		+EXT_RIO01-11A21	-	9	,	-6K01.3	16							&EFS01/11.3
							2			+EXT_RIO01-11A41	-	10	,	-6K01.3	18							&EFS01/11.4
						2				+EXT_RIO01-11A51	-	11	,	-6K01.3	20							&EFS01/11.6
					2					+EXT_RIO01-11A61	-	12	,	-6K01.3	22							&EFS01/11.7
				2						+EXT_RIO01-12A11	-	13	,	-6K01.3	24							&EFS01/12.1
			2							+EXT_RIO01-12A21	-	14	,	-6K01.3	26							&EFS01/12.3
		2								+EXT_RIO01-12A41	-	15	,	-6K01.3	28							&EFS01/12.4
	2									+EXT_RIO01-12A51	-	16	,	-6K01.3	30							&EFS01/12.6

Terminal diagram

Function text					+EXT_RIO01-15W21	+EXT_RIO01-14W21	+EXT_RIO01-15W11	+EXT_RIO01-14W11	Cable name	Strip ==EIA=++RIO+RIO01#-13X11 TB for DI: Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name	+EXT_RIO01-13W11	+EXT_RIO01-14W11	+EXT_RIO01-15W11	+EXT_RIO01-13W21	Terminal Type	Page / column
									Cable type							Cable type	ZF01-PU006-F10-FS-WG01			ZF01-PU005-F10-FS-WG01		
								1		+EXT_RIO01-K		10										&EFS01/14.1
							1			+EXT_RIO01-K		18										&EFS01/15.1
												26									UTTB 4-TG	&EFS01/16.1
										-6K01.4	0	35		+EXT_RIO01-13A1	4		Bk1					&EFS01/13.1
										-6K01.4	8	43		+EXT_RIO01-K				2				&EFS01/14.1
										-6K01.4	16	51		+EXT_RIO01-K					2			&EFS01/15.1
										-6K01.4	24	59										&EFS01/16.1
												3									UTTB 4-TG	&EFS01/13.2
						1				+EXT_RIO01-K		11									UTTB 4-TG	&EFS01/14.2
					1					+EXT_RIO01-K		19									UTTB 4-TG	&EFS01/15.2
												27									UTTB 4-TG	&EFS01/16.2
										-6K01.4	1	36		+EXT_RIO01-13A2	4					Bk1		&EFS01/13.2

Terminal diagram

Function text						+EXT_RIO01-15W31	+EXT_RIO01-14W31	+EXT_RIO01-13W31	Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-14W21	+EXT_RIO01-15W21	+EXT_RIO01-13W31	+EXT_RIO01-14W31	Terminal Type	Page / column
										Strip ==EIA=++RIO+RIO01#-13X11 TB for DI												
										-6K01.4	9	44		+EXT_RIO01-K			2					&EFS01/14.2
										-6K01.4	17	52		+EXT_RIO01-K				2				&EFS01/15.2
										-6K01.4	25	60										&EFS01/16.2
								1		+EXT_RIO01-K		4									UTTB 4-TG	&EFS01/13.3
							1			+EXT_RIO01-K		12									UTTB 4-TG	&EFS01/14.3
						1				+EXT_RIO01-K		20									UTTB 4-TG	&EFS01/15.3
												28									UTTB 4-TG	&EFS01/16.3
										-6K01.4	2	37		+EXT_RIO01-K					2			&EFS01/13.3
										-6K01.4	10	45		+EXT_RIO01-K						2		&EFS01/14.3

Terminal diagram

Function text			+EXT_RIO01-15W51	+EXT_RIO01-14W51	+EXT_RIO01-13W51	+EXT_RIO01-15W41	+EXT_RIO01-14W41	+EXT_RIO01-13W41	Cable name	Strip ==EIA=++RIO+RIO01#-13X11 TB for DI						Cable name	+EXT_RIO01-15W31	+EXT_RIO01-13W41	+EXT_RIO01-14W41	+EXT_RIO01-15W41		
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					Terminal Type	Page / column
										-6K01.4	18	53		+EXT_RIO01-K			2					&EFS01/15.3
										-6K01.4	26	61										&EFS01/16.3
								1		+EXT_RIO01-K		5									UTTB 4-TG	&EFS01/13.4
							1			+EXT_RIO01-K		13									UTTB 4-TG	&EFS01/14.4
						1				+EXT_RIO01-K		21									UTTB 4-TG	&EFS01/15.4
												29									UTTB 4-TG	&EFS01/16.4
										-6K01.4	3	38		+EXT_RIO01-K				2				&EFS01/13.4
										-6K01.4	11	46		+EXT_RIO01-K					2			&EFS01/14.4
										-6K01.4	19	54		+EXT_RIO01-K						2		&EFS01/15.4
										-6K01.4	27	62										&EFS01/16.4
					1					+EXT_RIO01-K		6									UTTB 4-TG	&EFS01/13.5
				1						+EXT_RIO01-K		14									UTTB 4-TG	&EFS01/14.5
			1							+EXT_RIO01-K		22									UTTB 4-TG	&EFS01/15.5
												30									UTTB 4-TG	&EFS01/16.5
			1							+EXT_RIO01-K		22									UTTB 4-TG	&EFS01/15.5
												30									UTTB 4-TG	&EFS01/16.5

0	1	2	3	4	5	6	7	8	9

Terminal diagram

Function text						+EXT_RIO01-15W61	+EXT_RIO01-14W61	+EXT_RIO01-13W61	Cable name / Cable type	Strip ==EIA=++RIO+RIO01#-13X11 TB for DI Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-13W51	+EXT_RIO01-14W51	+EXT_RIO01-15W51	+EXT_RIO01-13W61	Terminal Type	Page / column
										-6K01.4	4	39		+EXT_RIO01-K			2					&EFS01/13.5
										-6K01.4	12	47		+EXT_RIO01-K				2				&EFS01/14.5
										-6K01.4	20	55		+EXT_RIO01-K					2			&EFS01/15.5
										-6K01.4	28	63										&EFS01/16.5
								1		+EXT_RIO01-K		7									UTTB 4-TG	&EFS01/13.6
							1			+EXT_RIO01-K		15									UTTB 4-TG	&EFS01/14.6
						1				+EXT_RIO01-K		23									UTTB 4-TG	&EFS01/15.6
												31									UTTB 4-TG	&EFS01/16.6
										-6K01.4	5	40		+EXT_RIO01-K						2		&EFS01/13.6

0	1	2	3	4	5	6	7	8	9

Terminal diagram

Strip

==EIA=++RIO+RIO01#-13X11

TB for DI

Function text						+EXT_RIO01-15W71	+EXT_RIO01-14W71	+EXT_RIO01-13W71	Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-14W61	+EXT_RIO01-15W61	+EXT_RIO01-13W71	+EXT_RIO01-14W71	Terminal Type	Page / column
										-6K01.4	13	48		+EXT_RIO01-K			2					&EFS01/14.6
										-6K01.4	21	56		+EXT_RIO01-K				2				&EFS01/15.6
										-6K01.4	29	64										&EFS01/16.6
								1		+EXT_RIO01-K		8									UTTB 4-TG	&EFS01/13.7
							1			+EXT_RIO01-K		16									UTTB 4-TG	&EFS01/14.7
						1				+EXT_RIO01-K		24									UTTB 4-TG	&EFS01/15.7
												32									UTTB 4-TG	&EFS01/16.7
										-6K01.4	6	41		+EXT_RIO01-K					2			&EFS01/13.7
										-6K01.4	14	49		+EXT_RIO01-K						2		&EFS01/14.7

Terminal diagram

Function text							+EXT_RIO01-14W81	+EXT_RIO01-13W81	Cable name	Strip ==EIA=++RIO+RIO01#-13X11 TB for DI						Cable name	+EXT_RIO01-15W71	+EXT_RIO01-13W81	+EXT_RIO01-14W81			
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					Terminal Type	Page / column
										-6K01.4	22	57		+EXT_RIO01-K			2					&EFS01/15.7
										-6K01.4	30	65										&EFS01/16.7
								1		+EXT_RIO01-K		9	-								UTTB 4-TG	&EFS01/13.8
							1			+EXT_RIO01-K		17	-								UTTB 4-TG	&EFS01/14.8
										-15B81		25	-								UTTB 4-TG	&EFS01/15.8
												33	-								UTTB 4-TG	&EFS01/16.8
										-6K01.4	7	42	-	+EXT_RIO01-K				2				&EFS01/13.8
										-6K01.4	15	50	-	+EXT_RIO01-K					2			&EFS01/14.8
										-6K01.4	23	58	-	-15B82								&EFS01/15.8
										-6K01.4	31	66	-									&EFS01/16.8

Terminal diagram

Strip

==EIA=++RIO+RIO01#-17X11

TB for DI

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Terminal Type	Page / column
					1		-6K01.5	SA+			UTTB 4-TG	&EFS01/17.1
					34							&EFS01/17.1
					2						UTTB 4-TG	&EFS01/17.1
					10						UTTB 4-TG	&EFS01/18.1
					18						UTTB 4-TG	&EFS01/19.1
					26						UTTB 4-TG	&EFS01/20.1
			-6K01.5	0	35							&EFS01/17.1
			-6K01.5	8	43							&EFS01/18.1
			-6K01.5	16	51							&EFS01/19.1
			-6K01.5	24	59							&EFS01/20.1
					3						UTTB 4-TG	&EFS01/17.2
					11						UTTB 4-TG	&EFS01/18.2
					19						UTTB 4-TG	&EFS01/19.2
					27						UTTB 4-TG	&EFS01/20.2
			-6K01.5	1	36							&EFS01/17.2
			-6K01.5	9	44							&EFS01/18.2
			-6K01.5	17	52							&EFS01/19.2
			-6K01.5	25	60							&EFS01/20.2
					4						UTTB 4-TG	&EFS01/17.3
					12						UTTB 4-TG	&EFS01/18.3
					20						UTTB 4-TG	&EFS01/19.3
					28						UTTB 4-TG	&EFS01/20.3
			-6K01.5	2	37							&EFS01/17.3
			-6K01.5	10	45							&EFS01/18.3
			-6K01.5	18	53							&EFS01/19.3
			-6K01.5	26	61							&EFS01/20.3
					5						UTTB 4-TG	&EFS01/17.4
					13						UTTB 4-TG	&EFS01/18.4
					21						UTTB 4-TG	&EFS01/19.4
					29						UTTB 4-TG	&EFS01/20.4
			-6K01.5	3	38							&EFS01/17.4
			-6K01.5	11	46							&EFS01/18.4
			-6K01.5	19	54							&EFS01/19.4
			-6K01.5	27	62							&EFS01/20.4
					6						UTTB 4-TG	&EFS01/17.5

Terminal diagram

Strip

==EIA=++RIO+RIO01#-17X11

TB for DI

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type	Cable name	Terminal Type	Page / column
					14						UTTB 4-TG	&EFS01/18.5
					22						UTTB 4-TG	&EFS01/19.5
					30						UTTB 4-TG	&EFS01/20.5
			-6K01.5	4	39							&EFS01/17.5
			-6K01.5	12	47							&EFS01/18.5
			-6K01.5	20	55							&EFS01/19.5
			-6K01.5	28	63							&EFS01/20.5
					7						UTTB 4-TG	&EFS01/17.6
					15						UTTB 4-TG	&EFS01/18.6
					23						UTTB 4-TG	&EFS01/19.6
					31						UTTB 4-TG	&EFS01/20.6
			-6K01.5	5	40							&EFS01/17.6
			-6K01.5	13	48							&EFS01/18.6
			-6K01.5	21	56							&EFS01/19.6
			-6K01.5	29	64							&EFS01/20.6
					8						UTTB 4-TG	&EFS01/17.7
					16						UTTB 4-TG	&EFS01/18.7
					24						UTTB 4-TG	&EFS01/19.7
					32						UTTB 4-TG	&EFS01/20.7
			-6K01.5	6	41							&EFS01/17.7
			-6K01.5	14	49							&EFS01/18.7
			-6K01.5	22	57							&EFS01/19.7
			-6K01.5	30	65							&EFS01/20.7
					9						UTTB 4-TG	&EFS01/17.8
					17						UTTB 4-TG	&EFS01/18.8
					25						UTTB 4-TG	&EFS01/19.8
					33						UTTB 4-TG	&EFS01/20.8
			-6K01.5	7	42							&EFS01/17.8
			-6K01.5	15	50							&EFS01/18.8
			-6K01.5	23	58							&EFS01/19.8
			-6K01.5	31	66							&EFS01/20.8

Terminal diagram

Function text			+EXT_RIO01-22W31	+EXT_RIO01-21W31	+EXT_RIO01-22W21	+EXT_RIO01-21W21	+EXT_RIO01-22W11	+EXT_RIO01-21W11	Cable name	Strip ==EIA=++RIO+RIO01#-21X11 TB for DO						Cable name	+EXT_RIO01-21W11	+EXT_RIO01-22W11	+EXT_RIO01-21W21	+EXT_RIO01-22W21		
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					Terminal Type	Page / column
												1									UTTB 4-TG	&EFS01/21.1
										-6K01.6	SA-	34										&EFS01/21.1
								1		+EXT_RIO01-21Q11	A1	2		-6K01.6	0						UTTB 4-TG	&EFS01/21.1
							1			+EXT_RIO01-22Q11	A1	10		-6K01.6	8						UTTB 4-TG	&EFS01/22.1
												18		-6K01.6	16						UTTB 4-TG	&EFS01/23.1
												26		-6K01.6	24						UTTB 4-TG	&EFS01/24.1
												35		+EXT_RIO01-21Q11	A2		2					&EFS01/21.1
												43		+EXT_RIO01-22Q11	A2			2				&EFS01/22.1
												51										&EFS01/23.1
												59										&EFS01/24.1
						1				+EXT_RIO01-21Q21	A1	3		-6K01.6	1						UTTB 4-TG	&EFS01/21.2
					1					+EXT_RIO01-22Q21	A1	11		-6K01.6	9						UTTB 4-TG	&EFS01/22.2
												19		-6K01.6	17						UTTB 4-TG	&EFS01/23.2
												27		-6K01.6	25						UTTB 4-TG	&EFS01/24.2
												36		+EXT_RIO01-21Q21	A2				2			&EFS01/21.2
												44		+EXT_RIO01-22Q21	A2					2		&EFS01/22.2
												52										&EFS01/23.2
												60										&EFS01/24.2
					1					+EXT_RIO01-21Q31	A1	4		-6K01.6	2						UTTB 4-TG	&EFS01/21.3
				1						+EXT_RIO01-22Q31	A1	12		-6K01.6	10						UTTB 4-TG	&EFS01/22.3
												20		-6K01.6	18						UTTB 4-TG	&EFS01/23.3
												28		-6K01.6	26						UTTB 4-TG	&EFS01/24.3

Terminal diagram

Function text					+EXT_RIO01-22W51	+EXT_RIO01-21W51	+EXT_RIO01-22W41	+EXT_RIO01-21W41	Cable name	Strip ==EIA=++RIO+RIO01#-21X11 TB for DO						Cable name	+EXT_RIO01-21W31	+EXT_RIO01-22W31	+EXT_RIO01-21W41	+EXT_RIO01-22W41		
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					Terminal Type	Page / column
												37		+EXT_RIO01-21Q31	A2		2					&EFS01/21.3
												45		+EXT_RIO01-22Q31	A2			2				&EFS01/22.3
												53										&EFS01/23.3
												61										&EFS01/24.3
								1		+EXT_RIO01-21Q41	A1	5		-6K01.6	3						UTTB 4-TG	&EFS01/21.4
							1			+EXT_RIO01-22Q41	A1	13		-6K01.6	11						UTTB 4-TG	&EFS01/22.4
												21		-6K01.6	19						UTTB 4-TG	&EFS01/23.4
												29		-6K01.6	27						UTTB 4-TG	&EFS01/24.4
												38		+EXT_RIO01-21Q41	A2				2			&EFS01/21.4
												46		+EXT_RIO01-22Q41	A2					2		&EFS01/22.4
												54										&EFS01/23.4
												62										&EFS01/24.4
						1				+EXT_RIO01-21Q51	A1	6		-6K01.6	4						UTTB 4-TG	&EFS01/21.5
					1					+EXT_RIO01-22Q51	A1	14		-6K01.6	12						UTTB 4-TG	&EFS01/22.5
						1				+EXT_RIO01-21Q51	A1	6		-6K01.6	4						UTTB 4-TG	&EFS01/21.5
					1					+EXT_RIO01-22Q51	A1	14		-6K01.6	12						UTTB 4-TG	&EFS01/22.5
												22		-6K01.6	20						UTTB 4-TG	&EFS01/23.5
												30		-6K01.6	28						UTTB 4-TG	&EFS01/24.5

Terminal diagram

Function text					+EXT_RIO01-22W71	+EXT_RIO01-21W71	+EXT_RIO01-22W61	+EXT_RIO01-21W61	Cable name	Strip ==EIA=++RIO+RIO01#-21X11 TB for DO						Cable name	+EXT_RIO01-21W51	+EXT_RIO01-22W51	+EXT_RIO01-21W61	+EXT_RIO01-22W61		
									Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable type					Terminal Type	Page / column
												39		+EXT_RIO01-21Q51	A2		2					&EFS01/21.5
												47		+EXT_RIO01-22Q51	A2			2				&EFS01/22.5
												55										&EFS01/23.5
												63										&EFS01/24.5
								1		+EXT_RIO01-21Q61	A1	7		-6K01.6	5						UTTB 4-TG	&EFS01/21.6
							1			+EXT_RIO01-22Q61	A1	15		-6K01.6	13						UTTB 4-TG	&EFS01/22.6
												23		-6K01.6	21						UTTB 4-TG	&EFS01/23.6
												31		-6K01.6	29						UTTB 4-TG	&EFS01/24.6
												40		+EXT_RIO01-21Q61	A2				2			&EFS01/21.6
												48		+EXT_RIO01-22Q61	A2					2		&EFS01/22.6
												56										&EFS01/23.6
												64										&EFS01/24.6
						1				+EXT_RIO01-21Q71	A1	8		-6K01.6	6						UTTB 4-TG	&EFS01/21.7
					1					+EXT_RIO01-22Q71	A1	16		-6K01.6	14						UTTB 4-TG	&EFS01/22.7
						1				+EXT_RIO01-21Q71	A1	8		-6K01.6	6						UTTB 4-TG	&EFS01/21.7
					1					+EXT_RIO01-22Q71	A1	16		-6K01.6	14						UTTB 4-TG	&EFS01/22.7
												24		-6K01.6	22						UTTB 4-TG	&EFS01/23.7
												32		-6K01.6	30						UTTB 4-TG	&EFS01/24.7

Terminal diagram

Strip ==EIA=++RIO+RIO01#-21X11 TB for DO

Function text							+EXT_RIO01-22W81	+EXT_RIO01-21W81	Cable name / Cable type	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name / Cable type	+EXT_RIO01-21W71	+EXT_RIO01-22W71	+EXT_RIO01-21W81	+EXT_RIO01-22W81	Terminal Type	Page / column
												41		+EXT_RIO01-21Q71	A2		2					&EFS01/21.7
												49		+EXT_RIO01-22Q71	A2			2				&EFS01/22.7
												57										&EFS01/23.7
												65										&EFS01/24.7
								1		+EXT_RIO01-21Q81	A1	9		-6K01.6	7						UTTB 4-TG	&EFS01/21.8
							1			+EXT_RIO01-22Q81	A1	17		-6K01.6	15						UTTB 4-TG	&EFS01/22.8
												25		-6K01.6	23						UTTB 4-TG	&EFS01/23.8
												33		-6K01.6	31						UTTB 4-TG	&EFS01/24.8
												42		+EXT_RIO01-21Q81	A2				2			&EFS01/21.8
												50		+EXT_RIO01-22Q81	A2					2		&EFS01/22.8
												58										&EFS01/23.8
												66										&EFS01/24.8

Terminal diagram

Strip

==EIA=++RIO+RIO01#-25X11

24VDC Supply For Instruments

Function text	+EXT_RIO01-13W21	+EXT_RIO01-13W11	Cable name	Target designation	Connection point	Terminal	Jumper	Target designation	Connection point	Cable name	Terminal Type	Page / column
	ZF01-PU005-F10-FS-WG01	ZF01-PU006-F10-FS-WG01	Cable type							Cable type		
						1		-4Q61	2		UTTB 4-TG	&EFS01/25.1
		Bu1		+EXT_RIO01-13A1	3	12		-4X02				&EFS01/25.1
	Bu1			+EXT_RIO01-13A2	3	13						&EFS01/25.2
						14						&EFS01/25.3
						15						&EFS01/25.3
						16						&EFS01/25.4
						17						&EFS01/25.4
						18						&EFS01/25.5
						19						&EFS01/25.5
						20						&EFS01/25.6
						21						&EFS01/25.7
		Bn1		+EXT_RIO01-13A1	1	2					UTTB 4-TG	&EFS01/25.1
	Bn1			+EXT_RIO01-13A2	1	3					UTTB 4-TG	&EFS01/25.2
						4					UTTB 4-TG	&EFS01/25.2
						5					UTTB 4-TG	&EFS01/25.3
						6					UTTB 4-TG	&EFS01/25.3
						7					UTTB 4-TG	&EFS01/25.4
						8					UTTB 4-TG	&EFS01/25.5
						9					UTTB 4-TG	&EFS01/25.5
						10					UTTB 4-TG	&EFS01/25.6
						11					UTTB 4-TG	&EFS01/25.6

Cable overview

Cable name	Source (from)	Target (to)	Cable type	Noise Level Definition	all conductors	Conductors used	Cross-section [mm²]	Length [m]	Function text	Graphical page of cable diagram
-9W61	-9A41	-9X21	A-B.889D-F4AC-2		4	4	0.34	2		==EIA++RIO+RIO01&EMB02/1

Cable diagram

Cable name	Noise Level Definition	Cable type	No. of conductors		Cross-section	Cable length		Function text
==EIA=++RIO+RIO01#-9W61		DC Micro Cable	4		0.34	2		
Function text	X-Ref	Target designation from	Connection point	Conductor	Target designation to	Connection point	X-Ref	Function text
	&EFS01/9.6	-9A41	1(+)	BN/1	-9X21	20:1	&EFS01/9.6	
	&EFS01/9.6	-9A41	2(Sig)	WH/2	-9X21	4:3	&EFS01/9.6	
	&EFS01/9.6	-9A41	3(-)	BU/3	-9X21	12:2	&EFS01/9.6	
	&EFS01/9.6	-9A41	4(Out1)	BK/4			&EFS01/9.6	