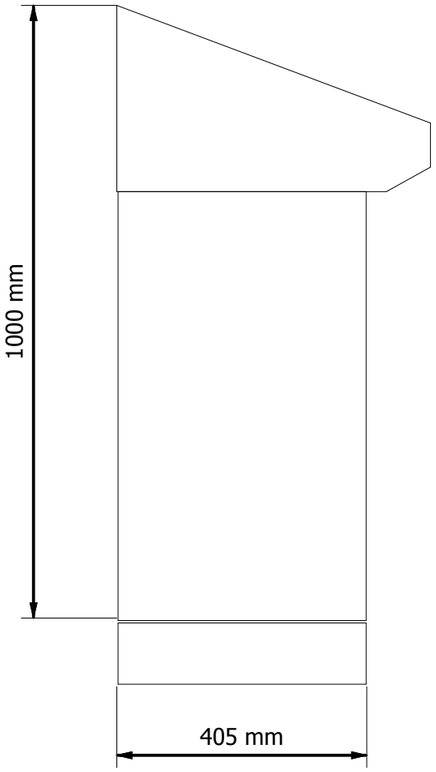
GA-Tech
General Automation and Technology
Via G.Sirtori, 20838 - Renate - MB - Italy
Phone +39 0362 925274

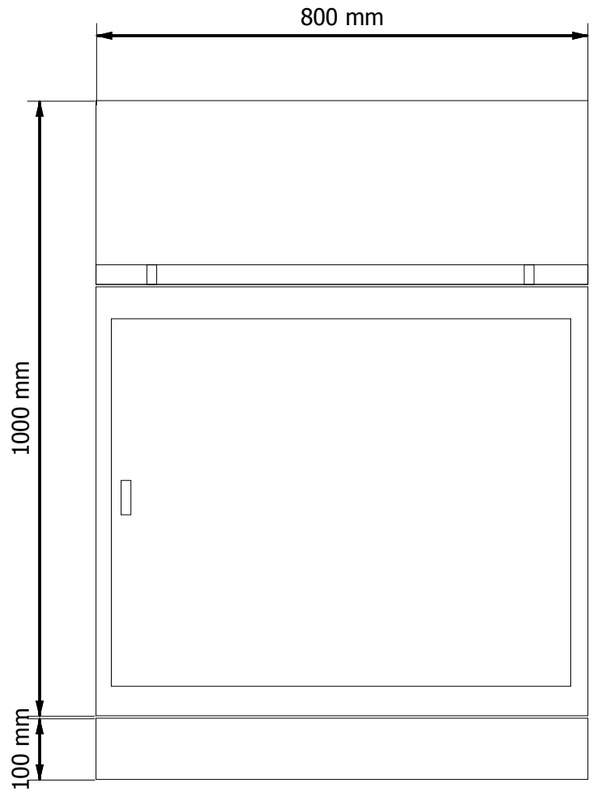
NOVASTILMEC S.p.A.
Coil Processing Equipment

Drawing number	QE0091 - 2018
Project description	Part Leveller - (China)
Commission	B91 Novastilmec
Customer	Novastilmec S.P.A. Via Como 11 - 23846 - Garbagnate Monastero - LC - Italy Phone +39 031 879393

Reference Standards	EN 60204-1	Protection	IP 23
Power Supply	3Phase 400 Vac	Control Voltage	110Vac - 24Vdc
Short Circuits Current	50KA		
Current	400 A		
Date Of Build	Mar. 2018	Created On	R.B.
Date Of Review	Aug. 2018	Review	Rev. 01
Number of pages	152		

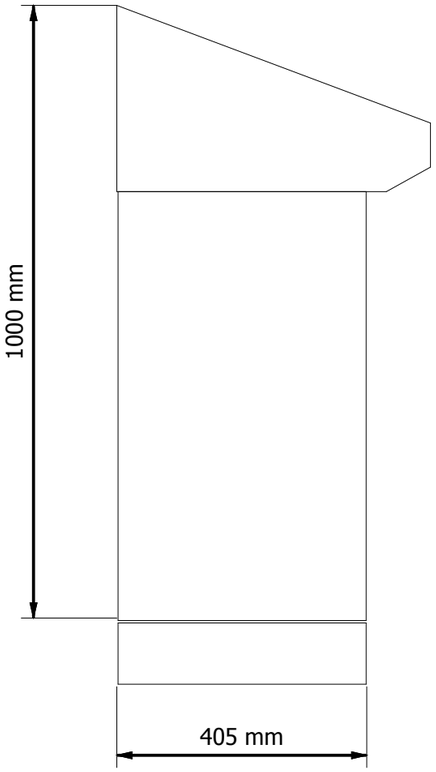
Desk P01

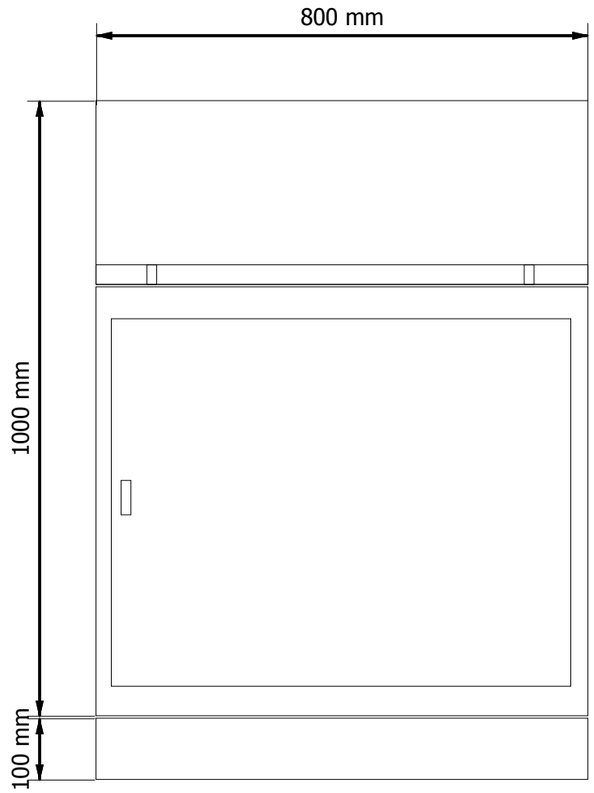




01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Desk P01	Part Leveller - (China)	= Layout Cabinet
				Drawn	R.B.					+
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 20
Rev.	Descript.	Date	Name	Original				Descript.		Follow 30

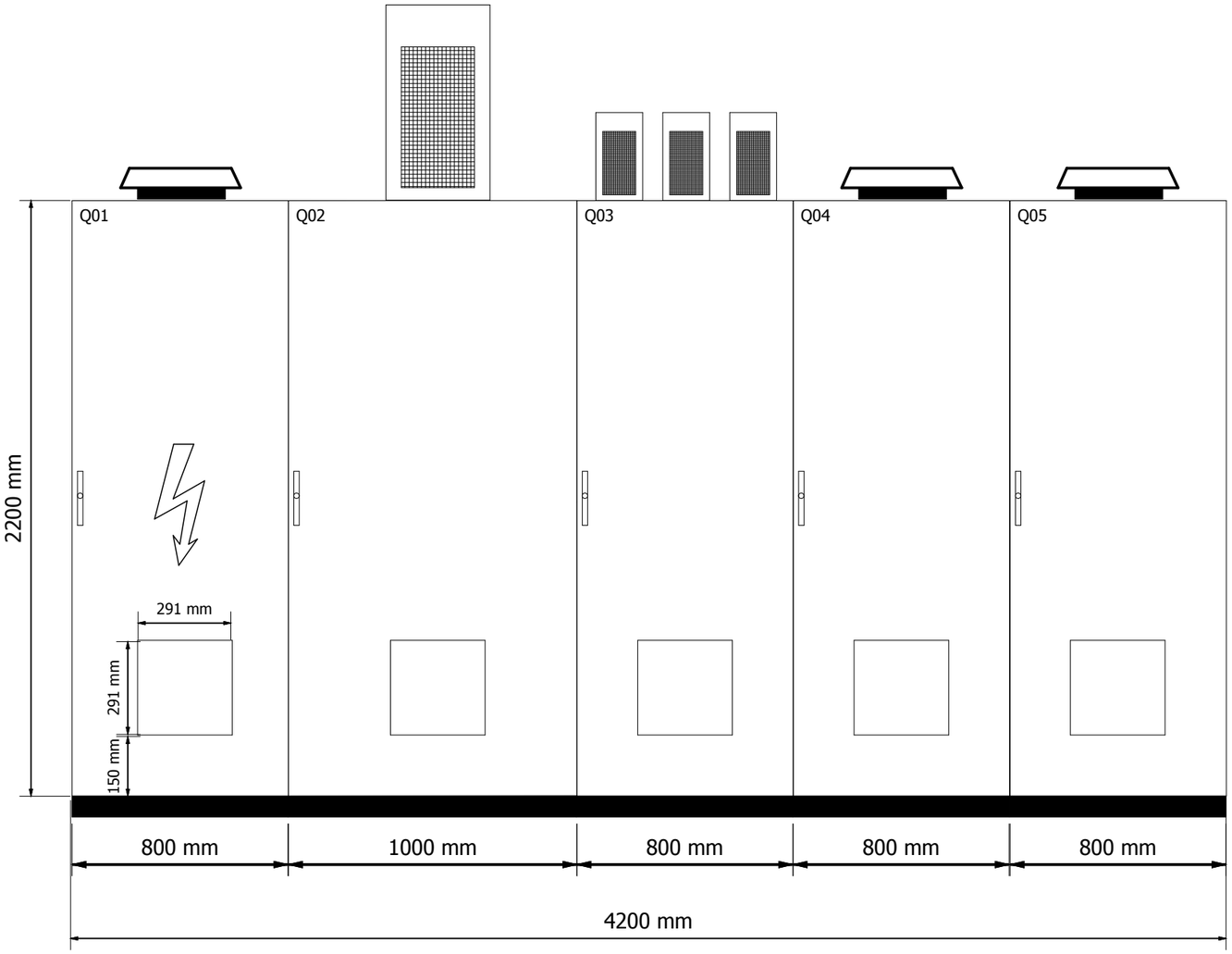
Desk P02



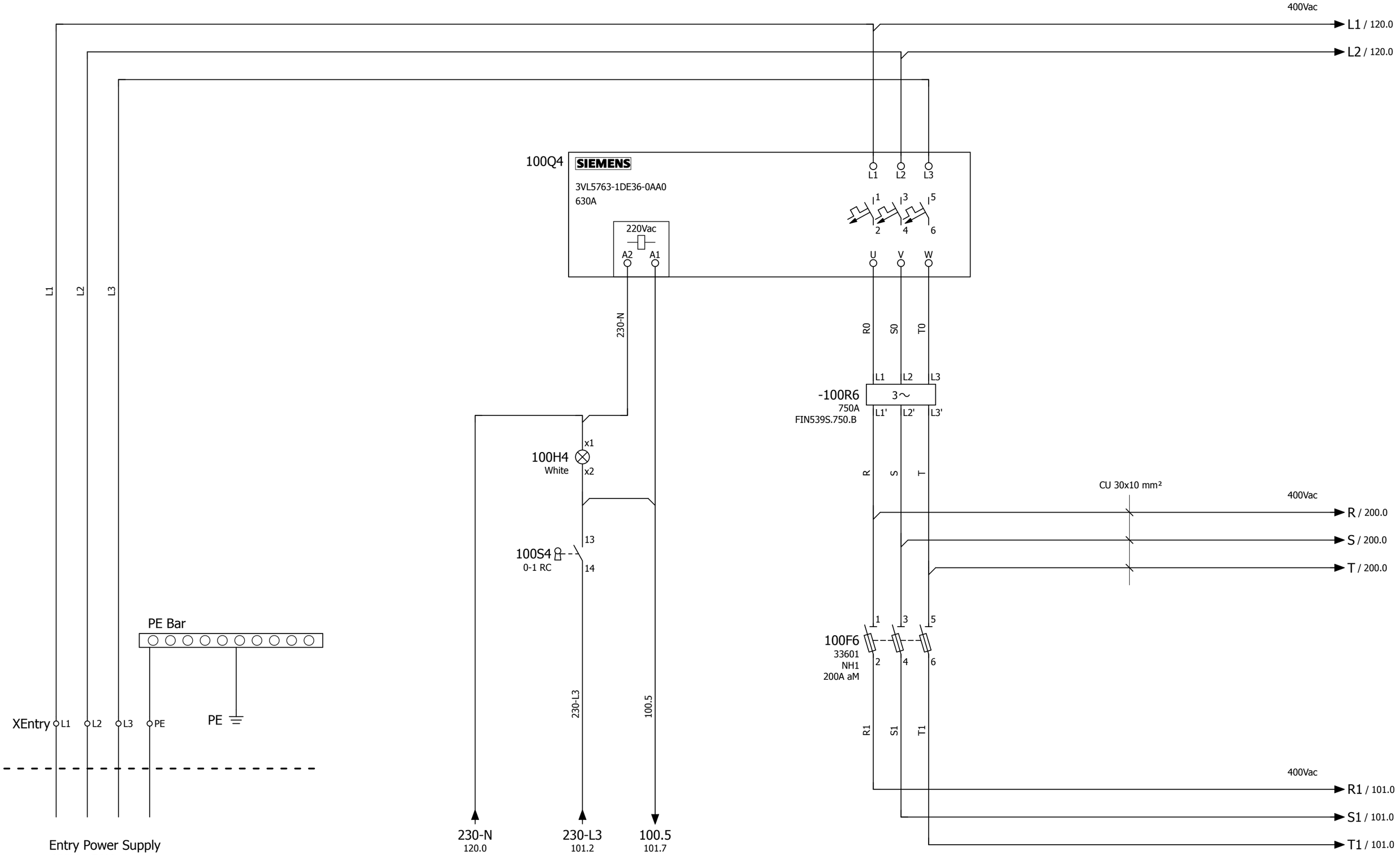


01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Desk P02	Part Leveller - (China)	= Layout Cabinet
				Drawn	R.B.					+
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 30
Rev.	Descript.	Date	Name	Original				Descript.		Follow 60

Cabinet Q01-Q05



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Cabinet Q01-Q05	Part Leveller - (China) = Layout Cabinet +
				Drawn	R.B.				
				Check	Phil				Dwg.Nr. QE0091 - 2018 Page 60
Rev.	Descript.	Date	Name	Original				Descript.	Follow =Cabinet+Q01-Q05/100



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

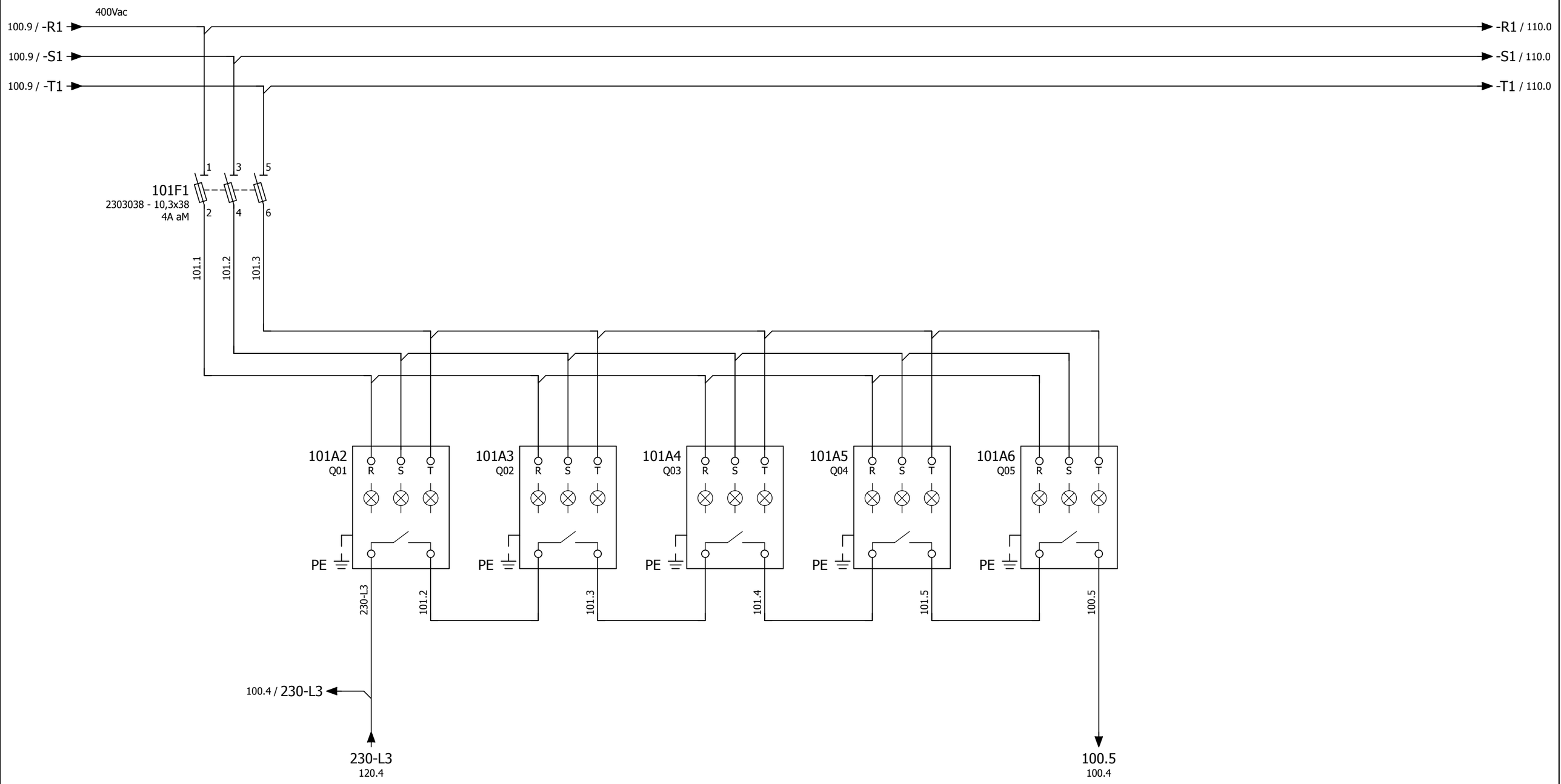
Descript.: Entry Power Supply 400Vac

Part Leveller - (China)

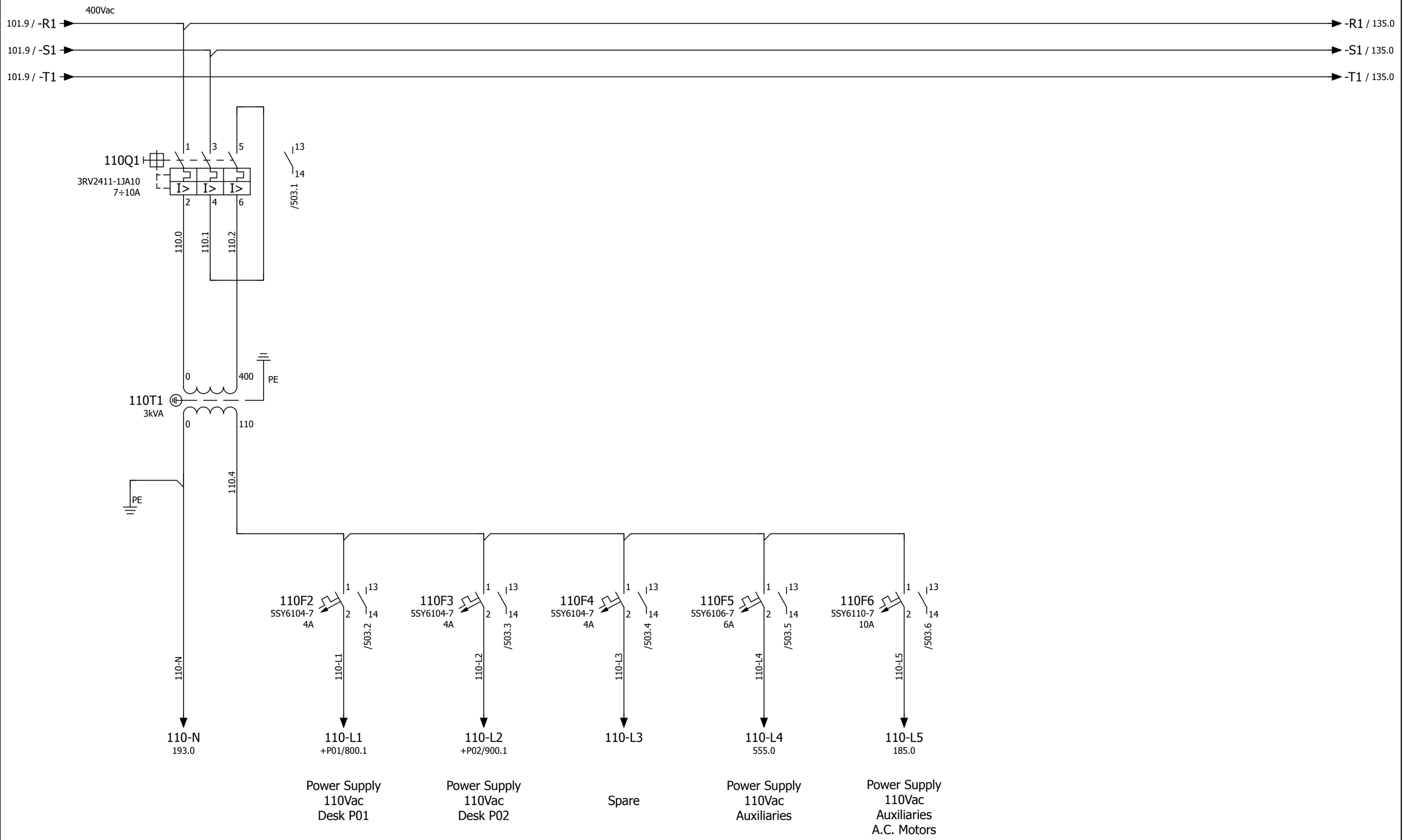
= Cabinet
+ **Q01-Q05**

Dwg.Nr. QE0091 - 2018

Page **100**
Follow 101



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Flashing Lights 400Vac	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **101**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 110



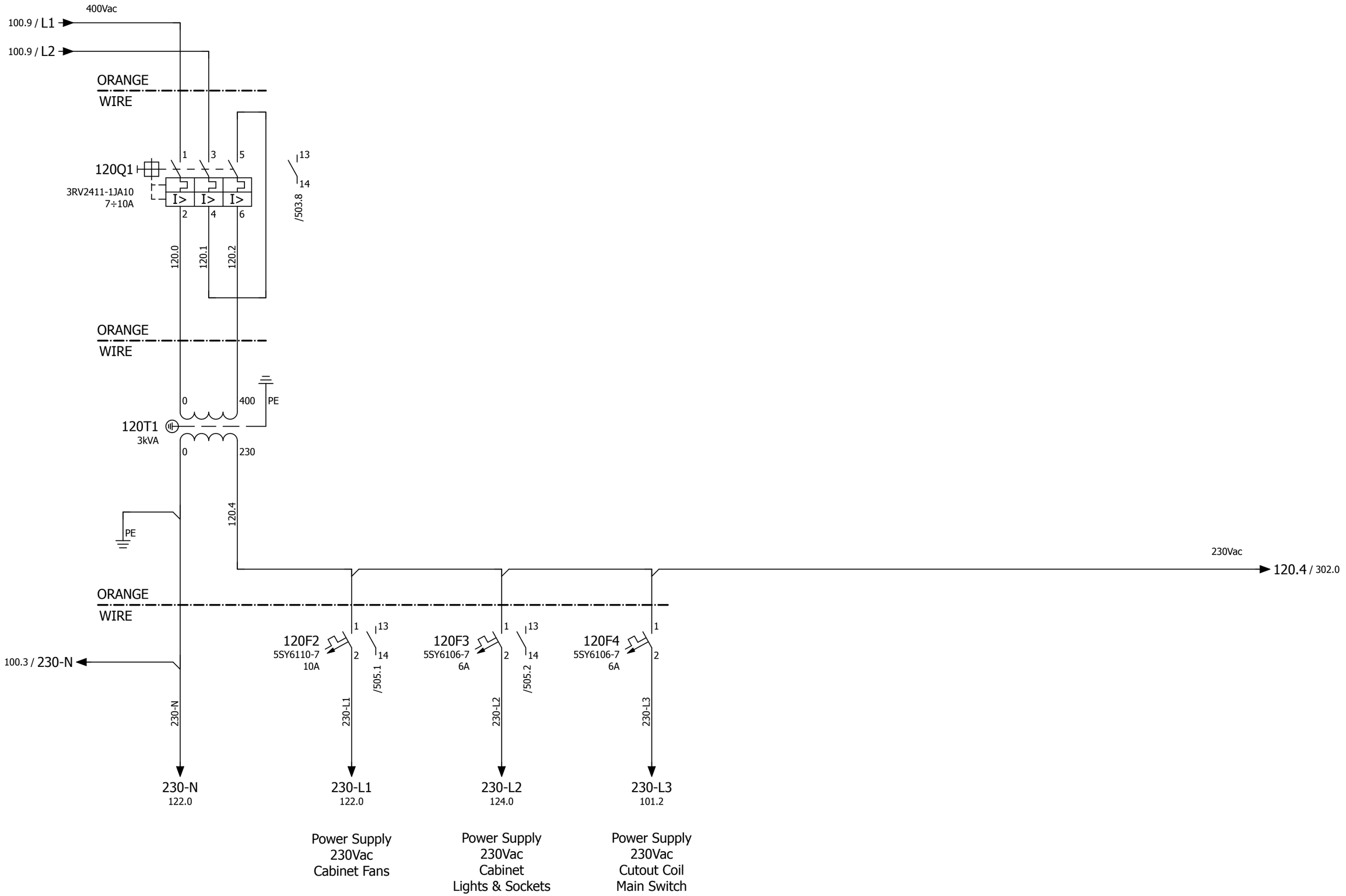
01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Supply 110Vac	Part Leveller - (China)
				Drawn	R.B.				
				Check	Phil				
Rev.	Descript.	Date	Name	Original				Descript.	

= Cabinet
+ **Q01-Q05**

Dwg.Nr. QE0091 - 2018

Page **110**

Follow 120



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Supply 230Vac	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **120**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 122

230Vac

120.2 / 230-L1

120.1 / 230-N

230-N / 124.0

122K1
/122.1

1 3
2 4

122.1 122.2

122M3
230V - 120W
L N
M 1~
PE

Cabinet
Fan
Q01

122M4
230V - 120W
L N
M 1~
PE

Cabinet
Fan
Q04

122M5
230V - 120W
L N
M 1~
PE

Cabinet
Fan
Q05

230-L1

230-N

122B1
On 40°
13
14

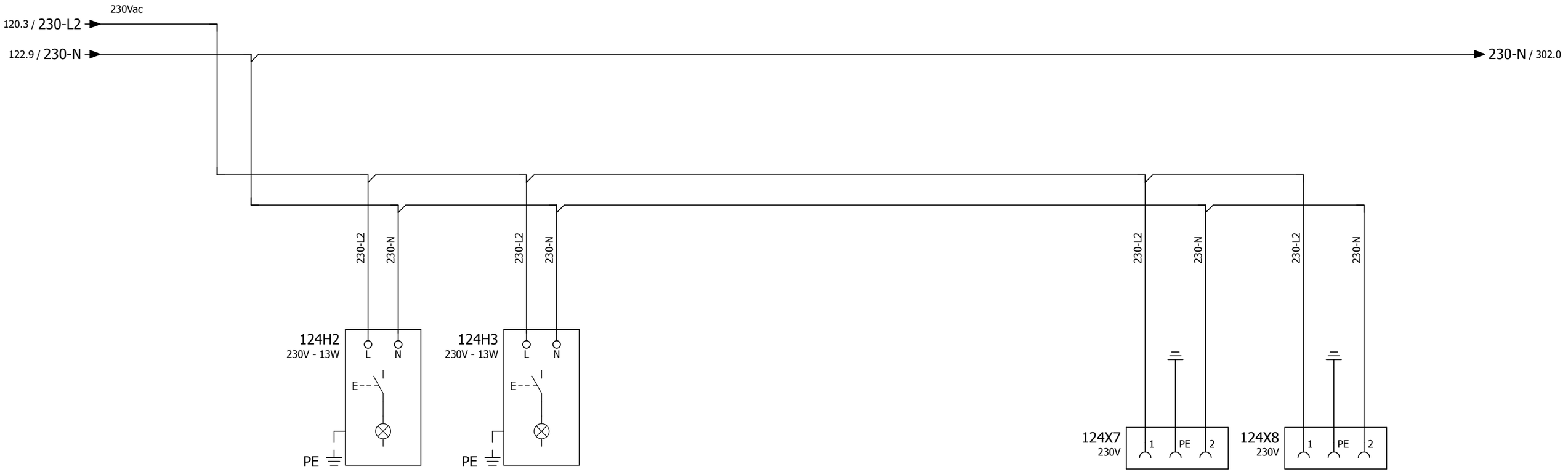
122.0

122K1
A1
A2

Cabinet
Fans
On

SIE.3RT2015-1AP02
1 2 /122.2
3 4 /122.2

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Cabinet Fans 230Vac	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **122**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 124



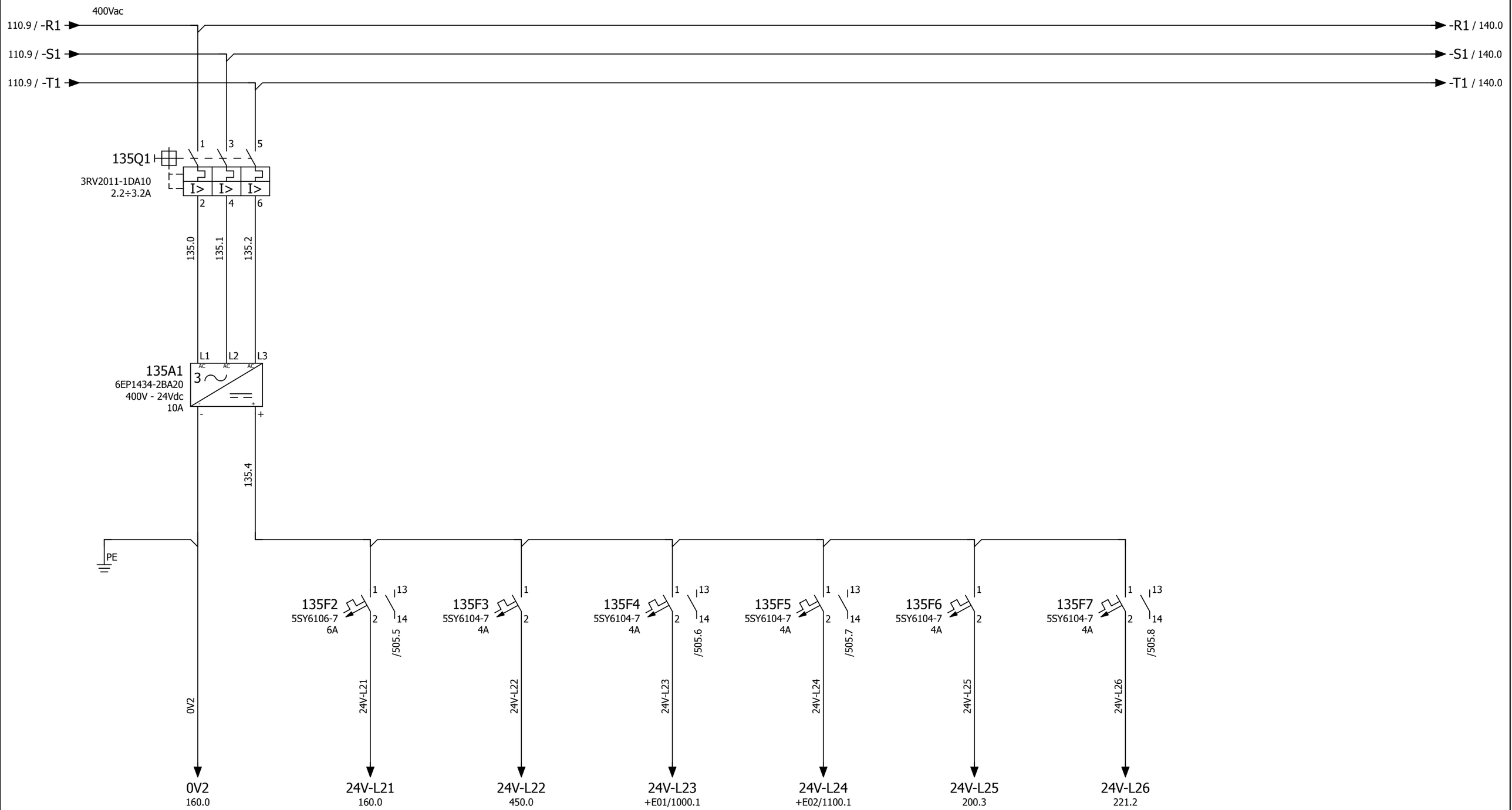
Cabinet Light
Q02-Q03

Cabinet Light
Q04-Q05

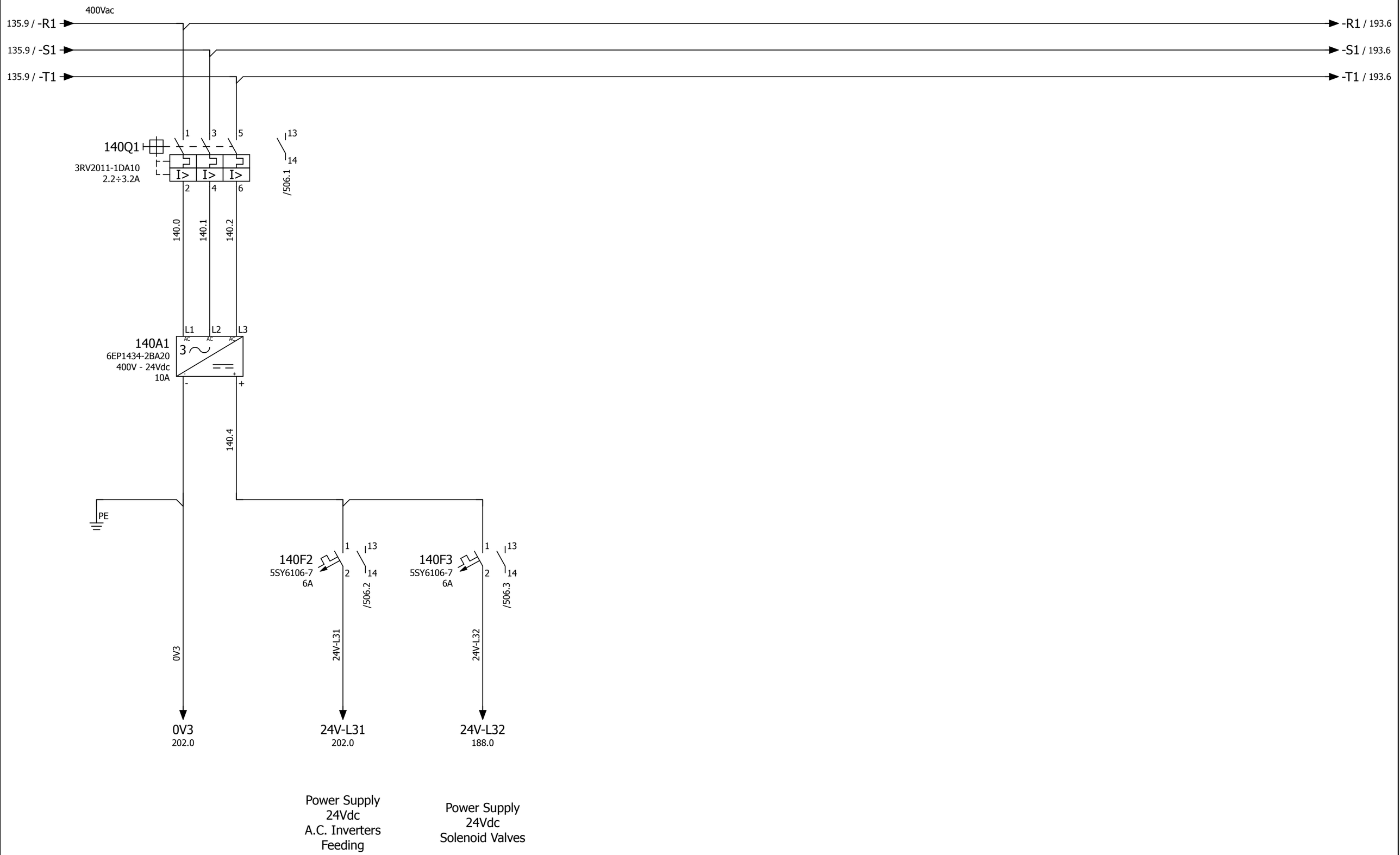
Cabinet
Socket 230Vac
Q05

Cabinet
Socket 230Vac
Q05

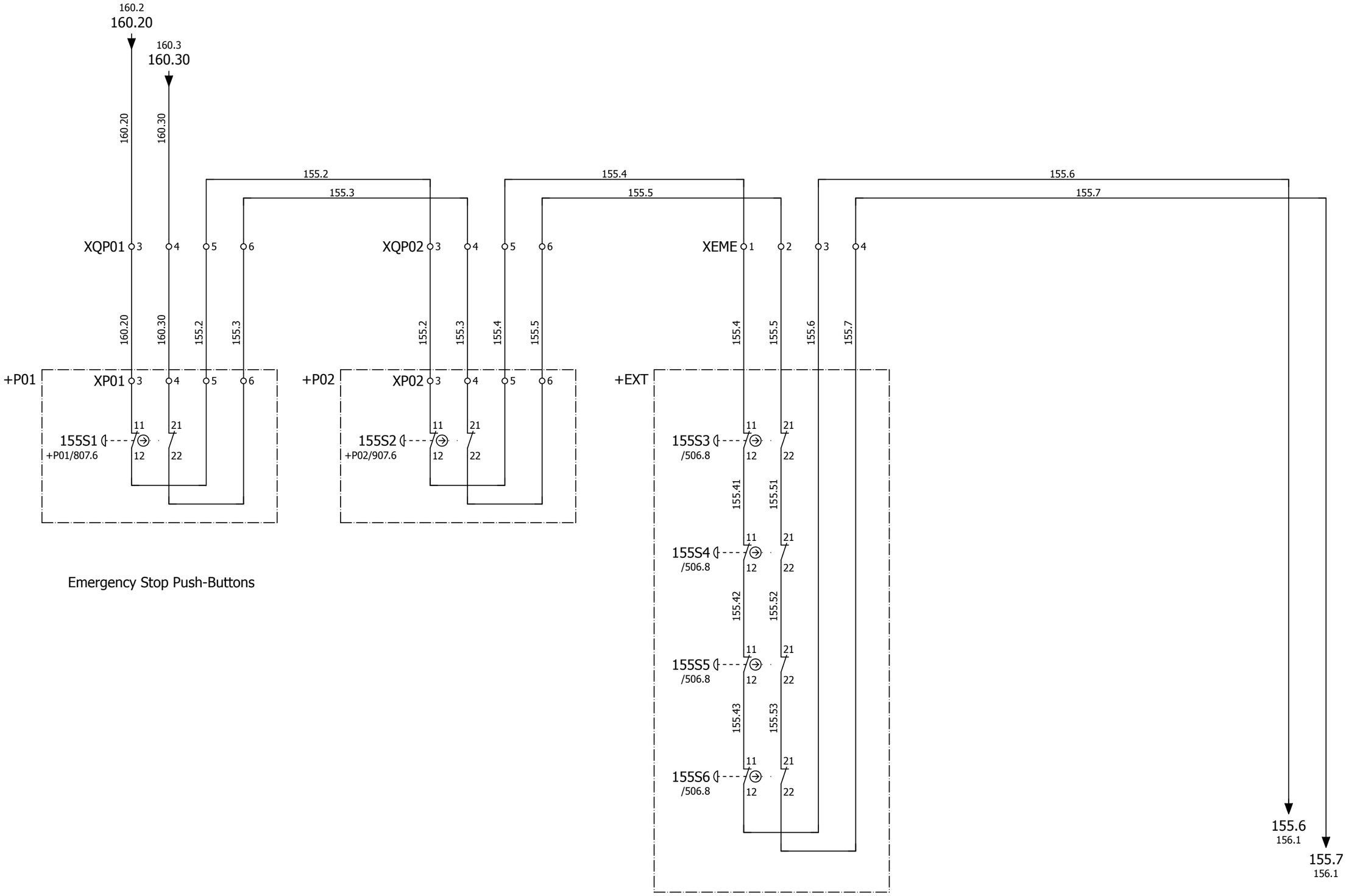
01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Cabinet Lights & Sockets 230Vac	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **124**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 135



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Supply 24Vdc Auxiliaries	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **135**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 140

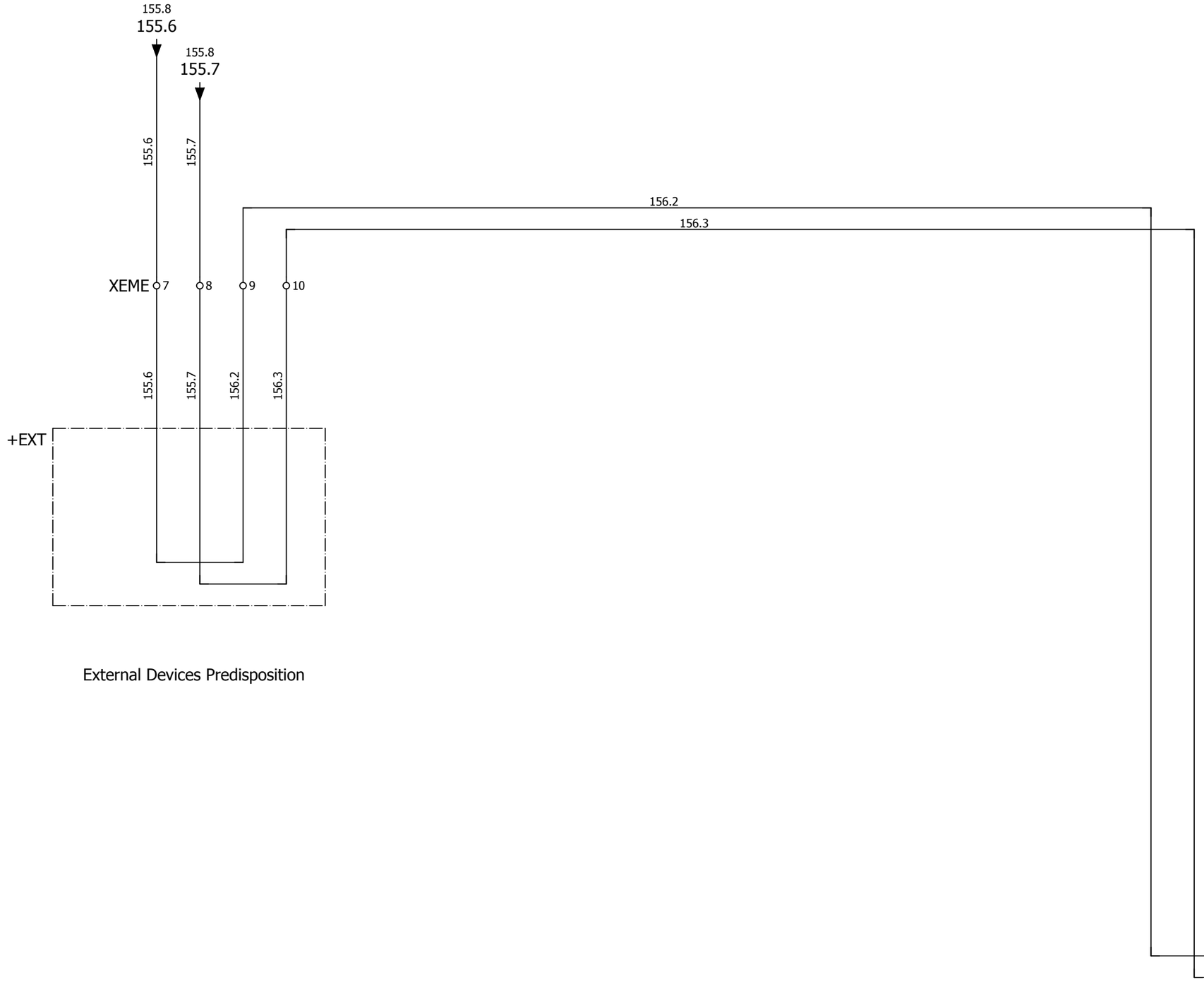


01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Supply 24Vdc Inverters & Solenoid Valves	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **140**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 155



Emergency Stop Push-Buttons

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Emergency Stop Circuit	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 155
Rev.	Descript.	Date	Name	Original				Descript.		Follow 156



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Emergency Stop Circuit	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **156**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 160

135.2 / 24V-L21 → 24Vdc

24V-L21 / 161.0 →

24V-L21

155.1 160.20 — 156.8 160.21

155.1 160.30 — 156.8 160.31

160A0

A1 S11 S12 S21 S22 S31 S32 13 23 33 47 57

PILZ PNOZ XV3

3sec

A2 S13 S14 Y39 Y40 S33 S34 14 24 34 48 58

0V2

160.32

160.5 160.6 160.7 160.8

XQP01 7 8

160.32 160.48

+P01

XP01 7 8

160S2 E
Blue
1 2 x1 x2
+P01/835.5
+P01/808.1

Emergency Stop Restore

193K1 /193.1 — 160.47 — 193K2 /193.2 — 160.48

160K8 /160.8 — 160.45 — 160K7 /160.7 — 160.44 — 161K2 /161.2

160K5 /160.5 — 160.41 — 160K6 /160.6 — 160.42 — 161K1 /161.1 — 160.43

160.46 160.40

160K5 A1 A2 — 160K6 A1 A2 — 160K7 A1 A2 — 160K8 A1 A2

135.1 / 0V2 →

0V2 / 161.0 →

SIE.3RT2017-1BB42
/506.5
/160.4
1 2 /185.1
3 4 /193.1
5 6 /188.1

SIE.3RT2017-1BB42
/506.5
/160.4
1 2 /185.1
3 4 /193.1
5 6 /188.1

SIE.3RT2017-1BB42
/161.1
/203.4
/208.4
/213.4
/217.5
/506.6
/160.4

SIE.3RT2017-1BB42
/161.2
/203.4
/208.4
/213.4
/217.6
/506.6
/160.4

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

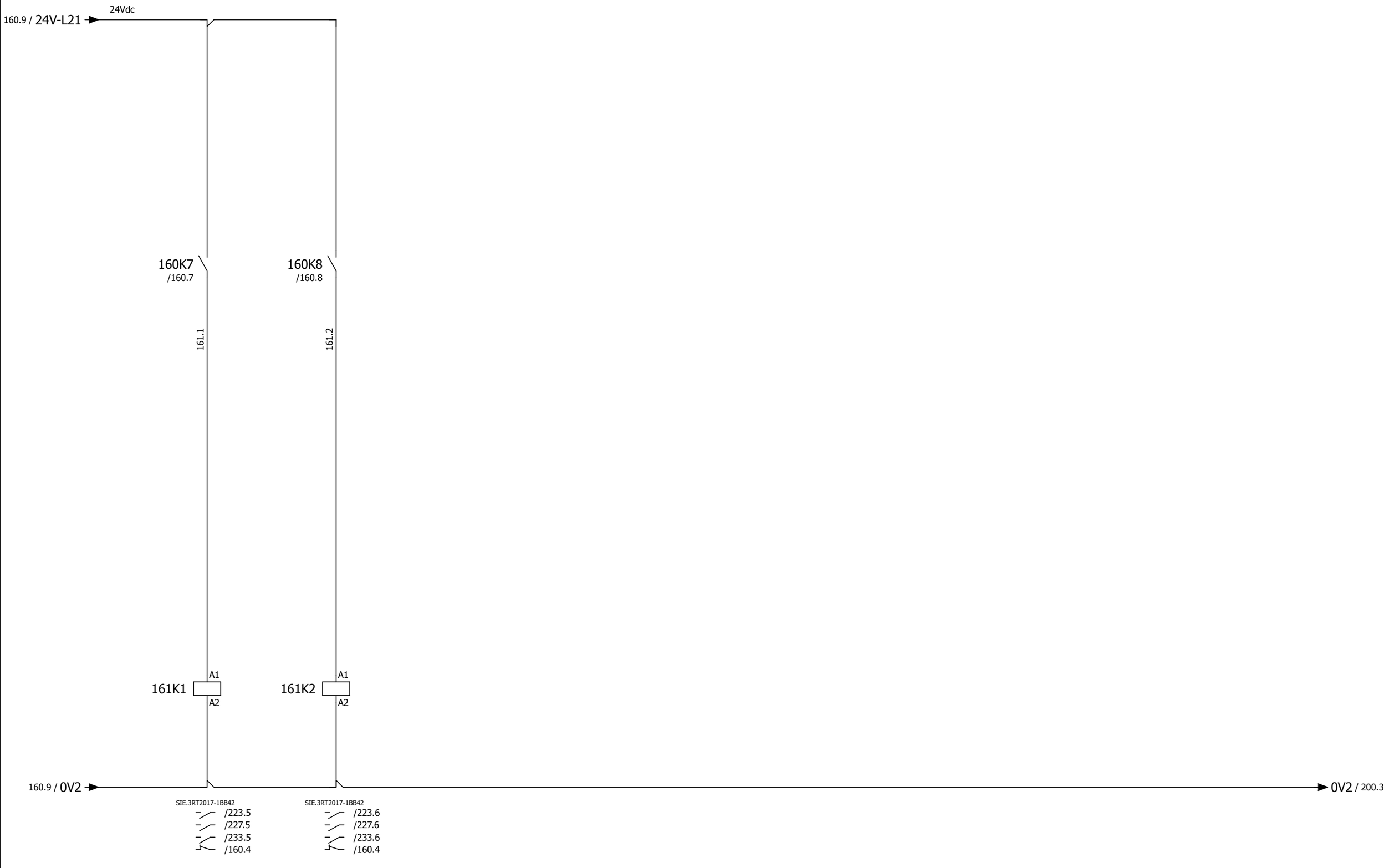
Descript.
Emergency Stop
Safety Module

Part Leveller - (China)

= Cabinet
+ Q01-Q05

Dwg.Nr.
QE0091 - 2018

Page 160
Follow 161



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

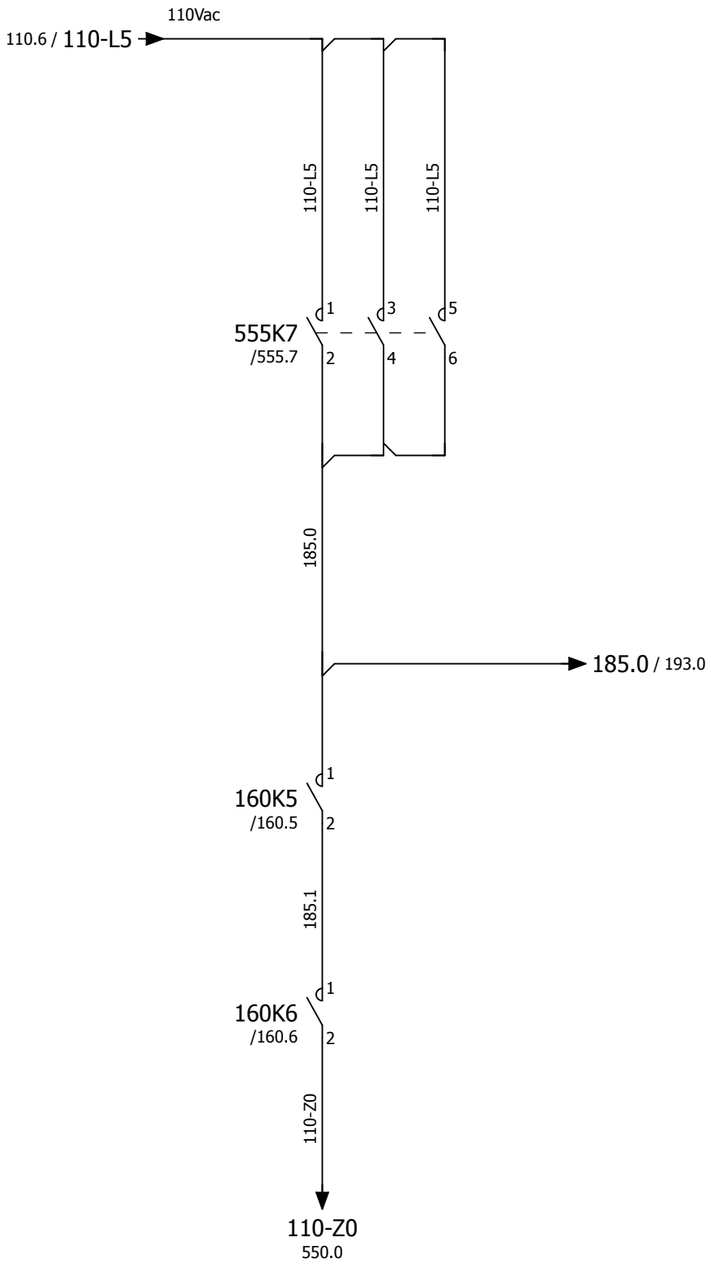
Descript.
Emergency Stop
Safety Module

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

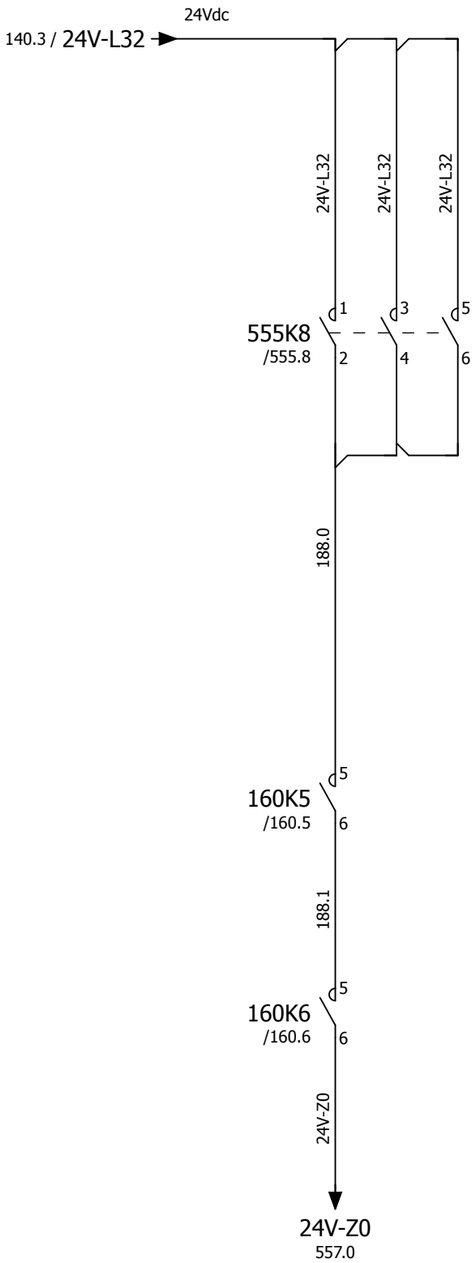
Dwg.Nr.
QE0091 - 2018

Page **161**
Follow 185



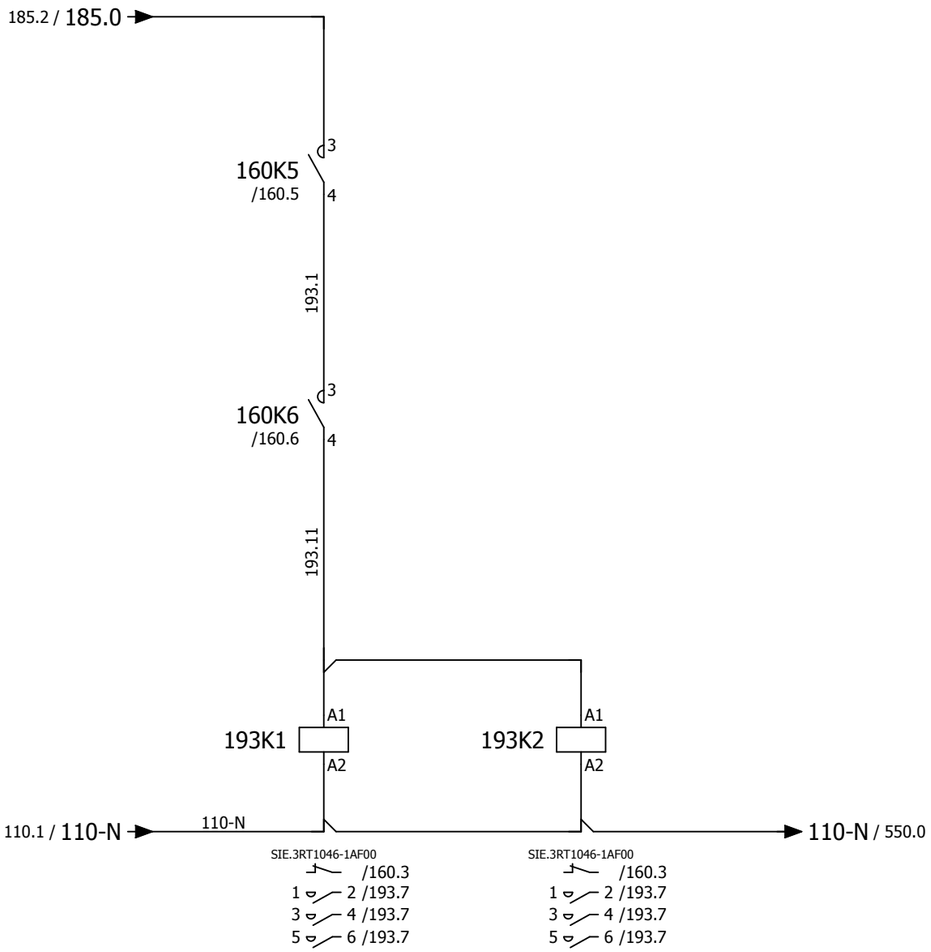
Instantaneous
Emergency
110Vac
A.C. Motors
Auxiliary

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Emergency Stop Circuit 110Vac AC Motor Auxiliary Outputs	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **185**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 188

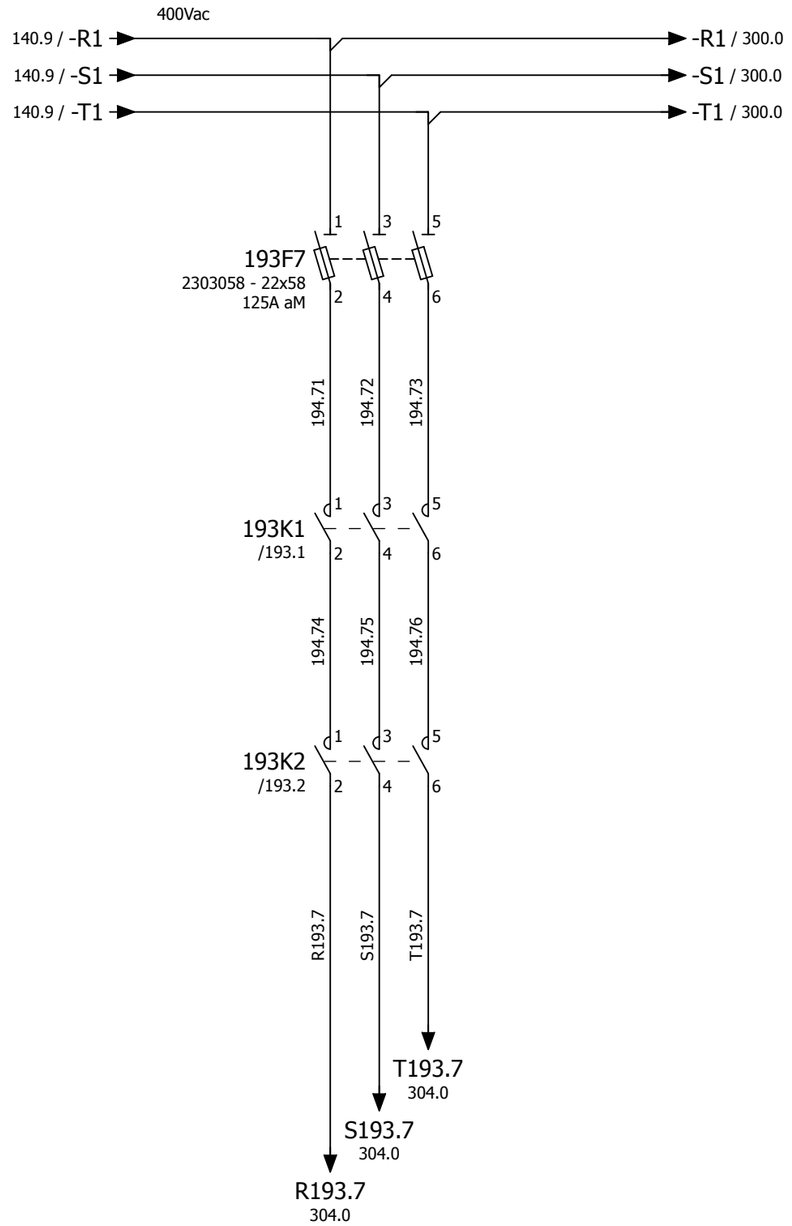


Instantaneous
Emergency
24Vdc
Solenoid Valves

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Emergency Stop Circuit 24Vdc Solenoid Valves Outputs	Part Leveller - (China)	= Cabinet + **Q01-Q05**
				Drawn	R.B.					
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **188**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 193

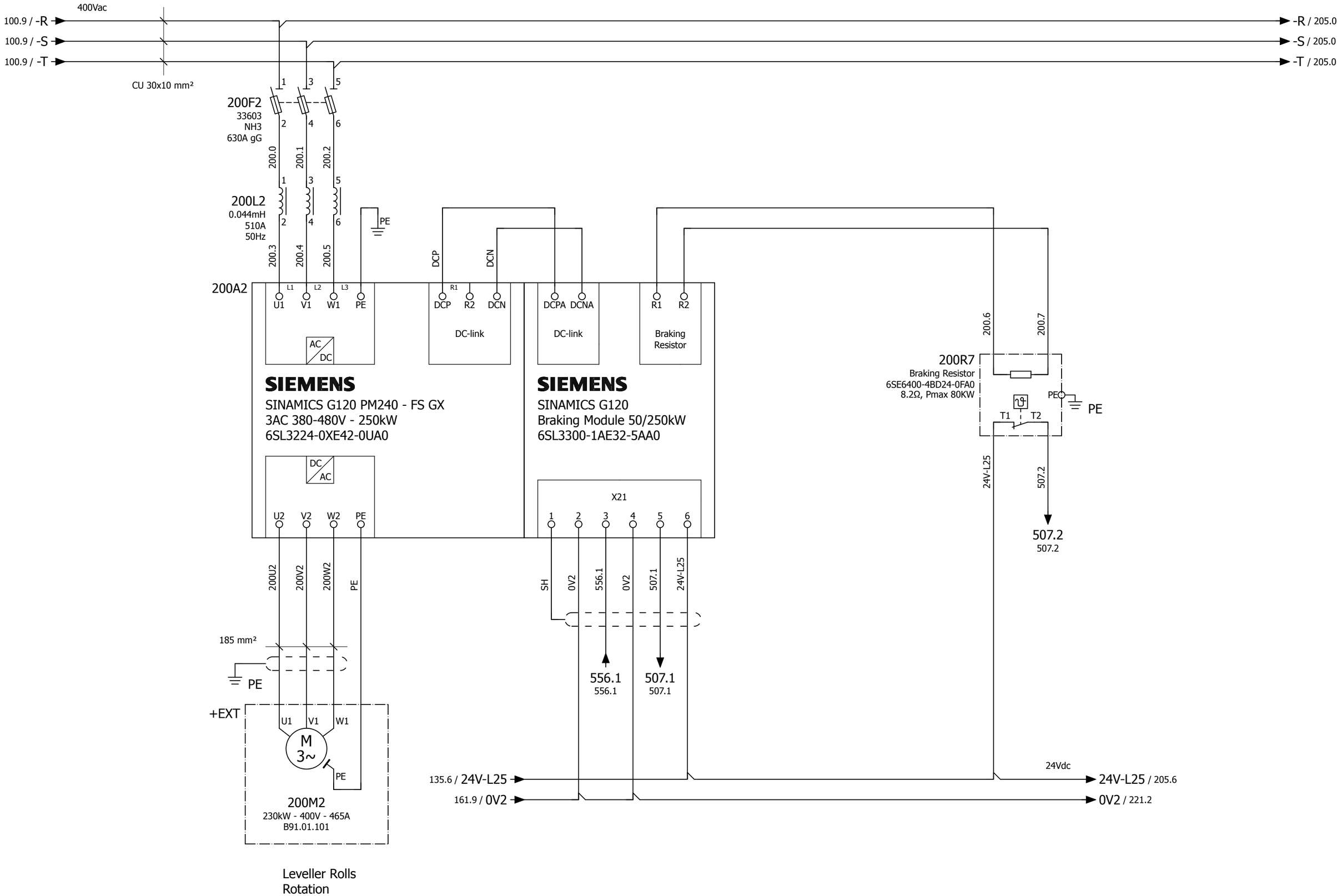


A.C. Motors
400Vac
Instantaneous
Emergency



A.C. Motors
400Vac
Instantaneous
Emergency

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Emergency Stop Circuit A.C. Motors	Part Leveller - (China)	= Cabinet + **Q01-Q05**
				Drawn	R.B.					
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **193**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 200



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Module Leveller Rolls Rotation	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 200
Rev.	Descript.	Date	Name	Original				Descript.		Follow 202

SIEMENS

SINAMICS CU250S-2 PN
6SL3246-0BA22-1FA0

RDY
BF
SAFE
LNK1
LNK2

AI 1
AI 0
I U

CPU

Digital Input/Output
+24V IN 31
0V IN 32
Dx 24 51
Dx 25 52
Dx 26 53
Dx 27 54

+10V 1
0V 2
D A
AI 0+ 3
AI 0- 4
AI 1+ 10
AI 1- 11
GND 13
T1 14
T2 15

D A
AO 0+ 12
AO 1+ 26
GND 27
GND 50

Encoder Input
GND 79
ENC+ 33
AP 70
AN 71
BP 72
BN 73
ZP 74
ZN 75
R1 76
R2 77

24V-L31
0V3

202.4
202.5
XQ2.0 1 2
6FX5002-2AH00
Wh/Rd
Wh/Bk

PE

+EXT

200B4
KTY84
B91.01.103
x1
x2

202-0V
202+V
202-AP
202-AN
202-BP
202-BN
202-ZP
202-ZN
XQ2.0 3 4 5 6 7 8 9 10
Wh/Bl
Wh/Ye
Bk
Br
Rd
Or
Bl
Vl

G
202B7
1024 Pulses
24Vdc
B91.01.102

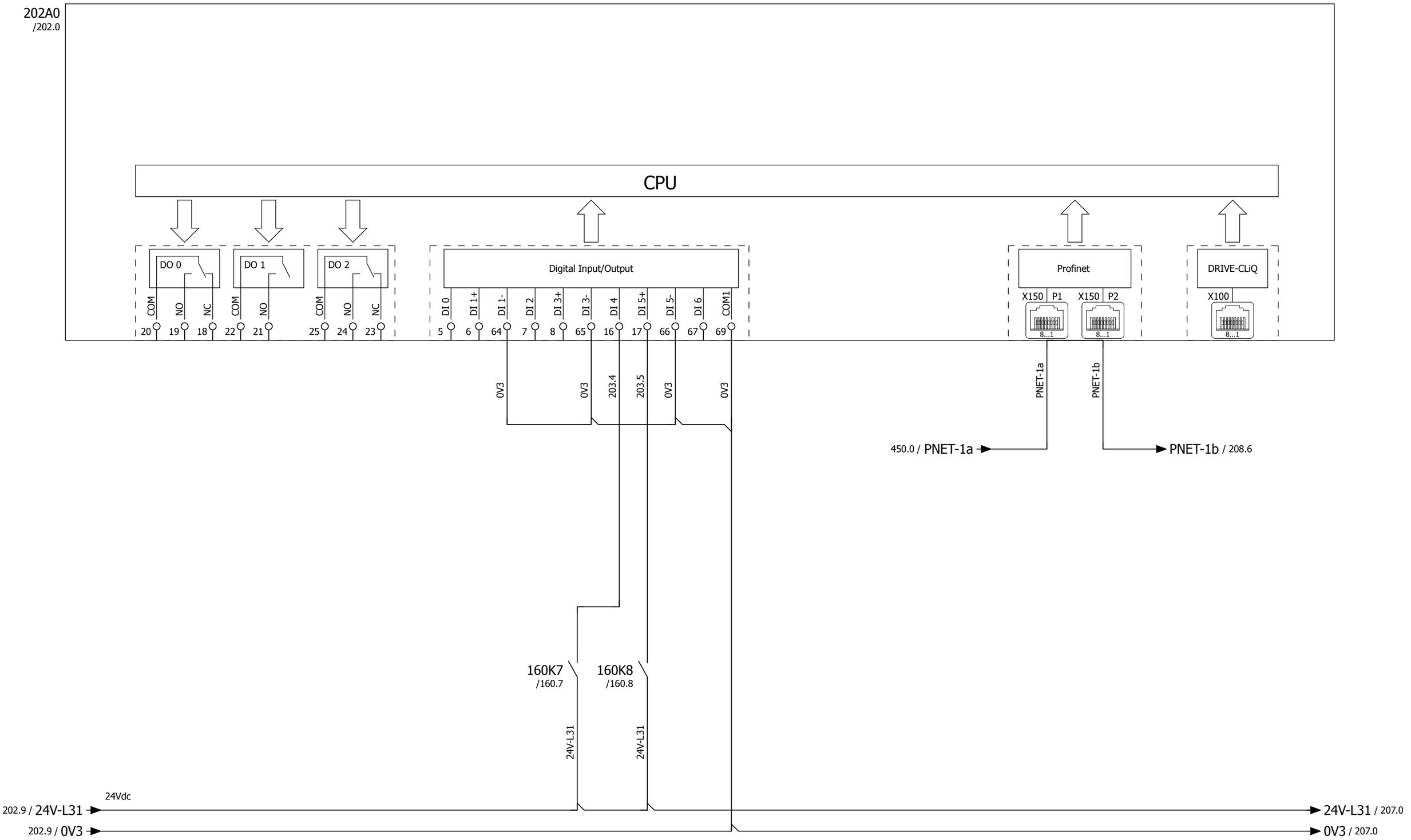
Temperature
Sensor

Leveller Rolls Rotation
Encoder

24Vdc
140.2 / 24V-L31 → 24V-L31 / 203.0
140.1 / 0V3 → 0V3 / 203.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Control Unit Leveller Rolls Rotation	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 202
Rev.	Descript.	Date	Name	Original				Descript.		Follow 203

202A0
/202.0



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

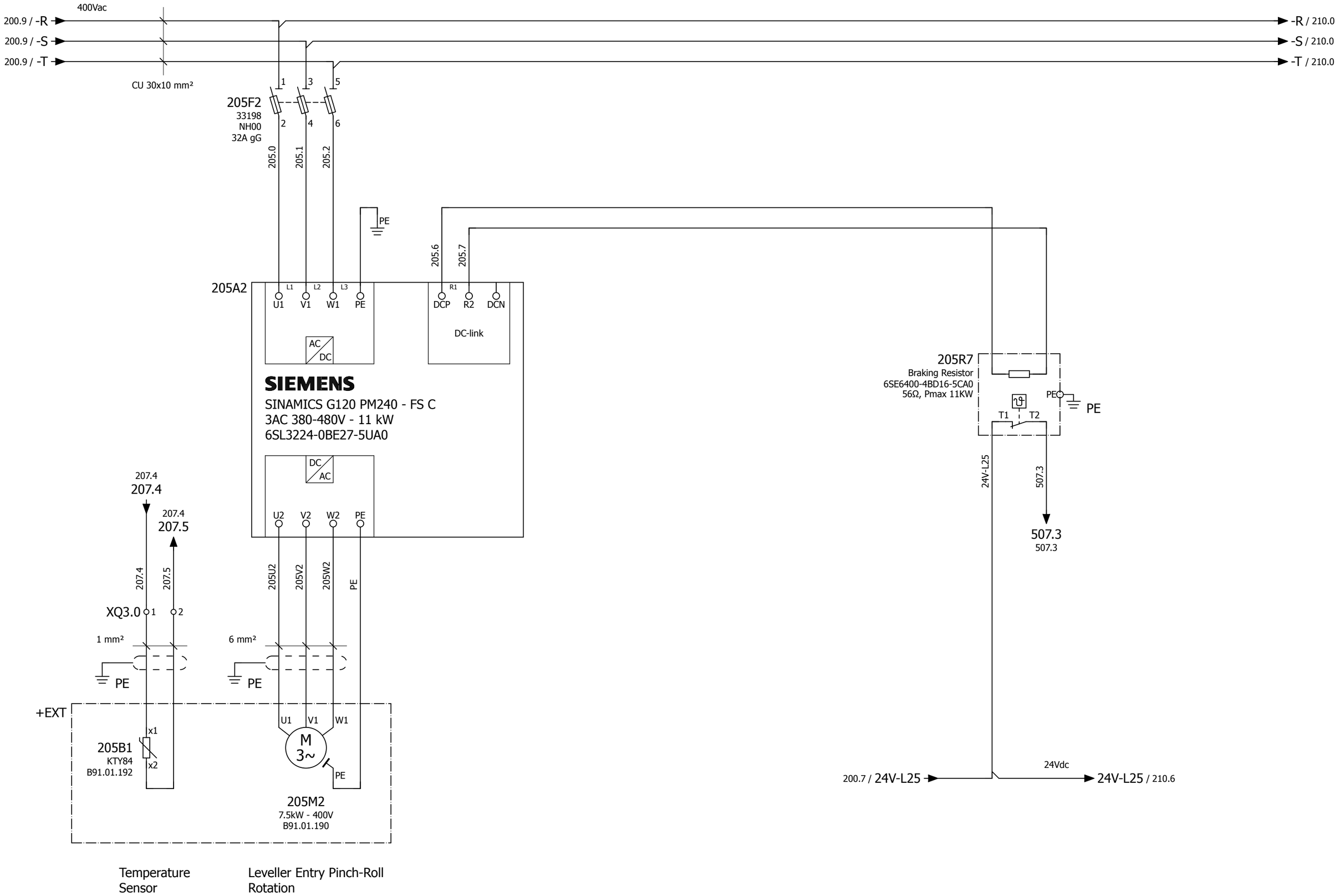
Descript.
Control Unit Leveller
Rolls Rotation

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

Dwg.Nr.
QE0091 - 2018

Page **203**
Follow 205

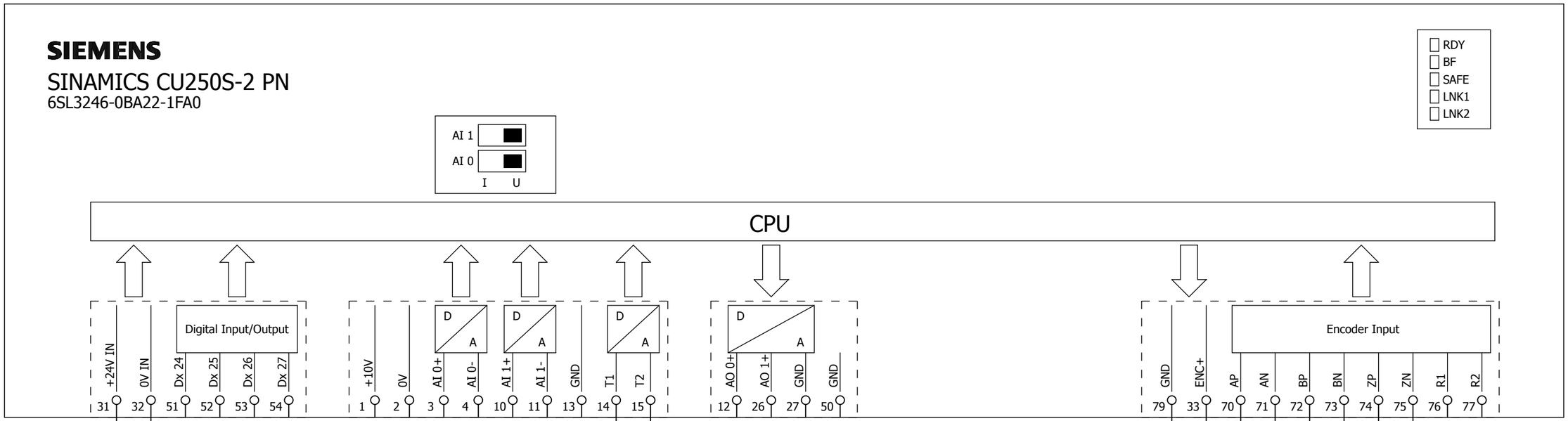


01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Module Leveller Entry Pinch-Roll Rotation	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **205**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 207

207A0
/208.0

SIEMENS

SINAMICS CU250S-2 PN
6SL3246-0BA22-1FA0



Leveller Entry Pinch-Roll
Rotation Encoder

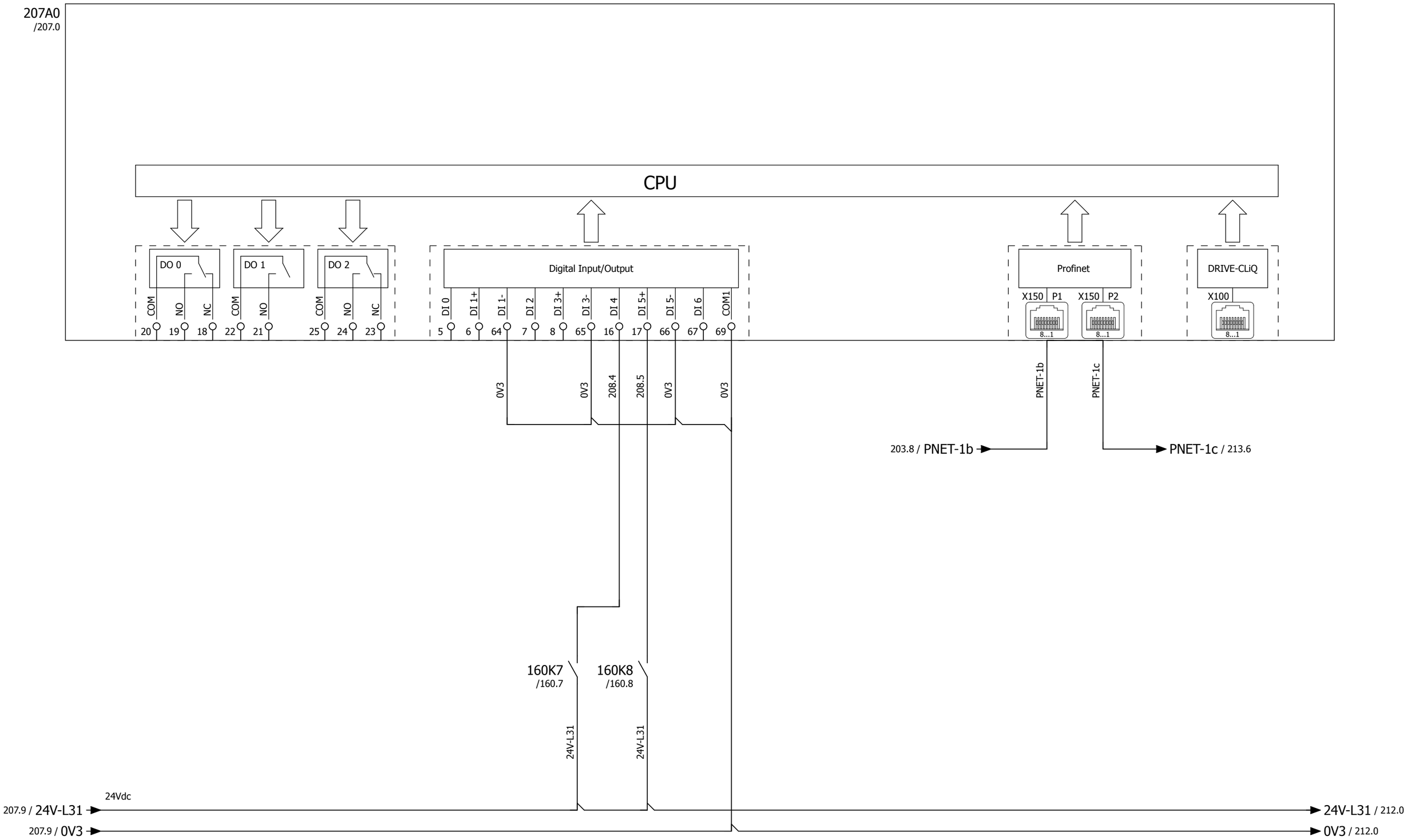
24Vdc

203.9 / 24V-L31 → 24V-L31 / 208.0

203.9 / 0V3 → 0V3 / 208.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Control Unit Leveller Entry Pinch-Roll Rotation	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **207**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 208

207A0
/207.0



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

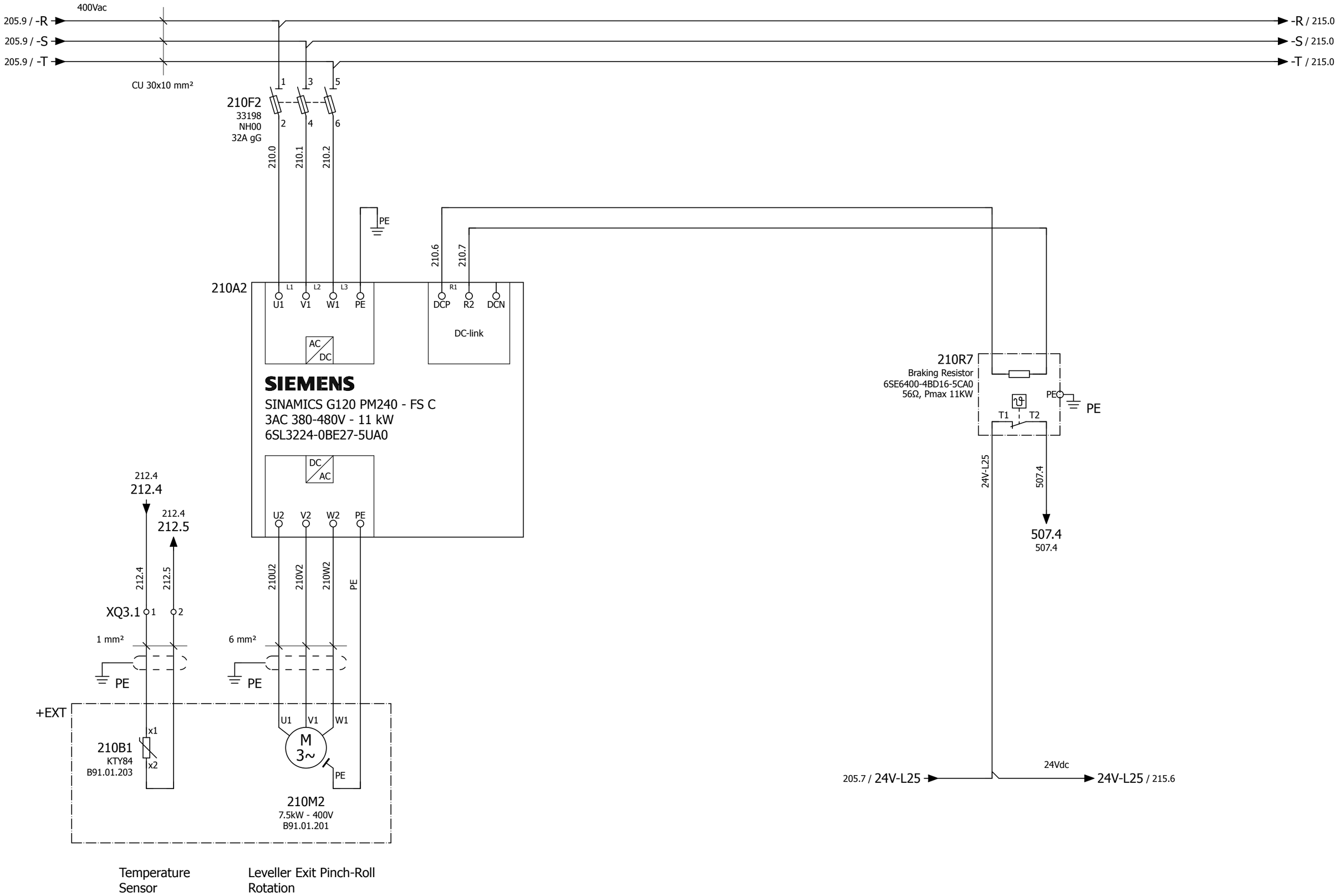
Control Unit Leveller
Entry Pinch-Roll Rotation
Descript.

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

Dwg.Nr.
QE0091 - 2018

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Follow 210



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Module Leveller Exit Pinch-Roll Rotation	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **210**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 212

SIEMENS

SINAMICS CU250S-2 PN
6SL3246-0BA22-1FA0

RDY
BF
SAFE
LNK1
LNK2

AI 1
AI 0
I U

CPU

Digital Input/Output
+24V IN 31
0V IN 32
Dx 24 51
Dx 25 52
Dx 26 53
Dx 27 54

+10V 1
0V 2
AI 0+ 3
AI 0- 4
AI 1+ 10
AI 1- 11
GND 13
T1 14
T2 15

AO 0+ 12
AO 1+ 26
GND 27
GND 50

Encoder Input
GND 79
ENC+ 33
AP 70
AN 71
BP 72
BN 73
ZP 74
ZN 75
R1 76
R2 77

24V-L31
0V3

212.4
212.5

212.5
210.1

212.4
210.1

212-0V
212+V
212-AP
212-AN
212-BP
212-BN
212-ZP
212-ZN

XQ3.1 3 4 5 6 7 8 9 10

Bk Rd Wh Bl Pk Ye Vl Br

PE

+EXT

G
1 2 4 3 5 6 7 8

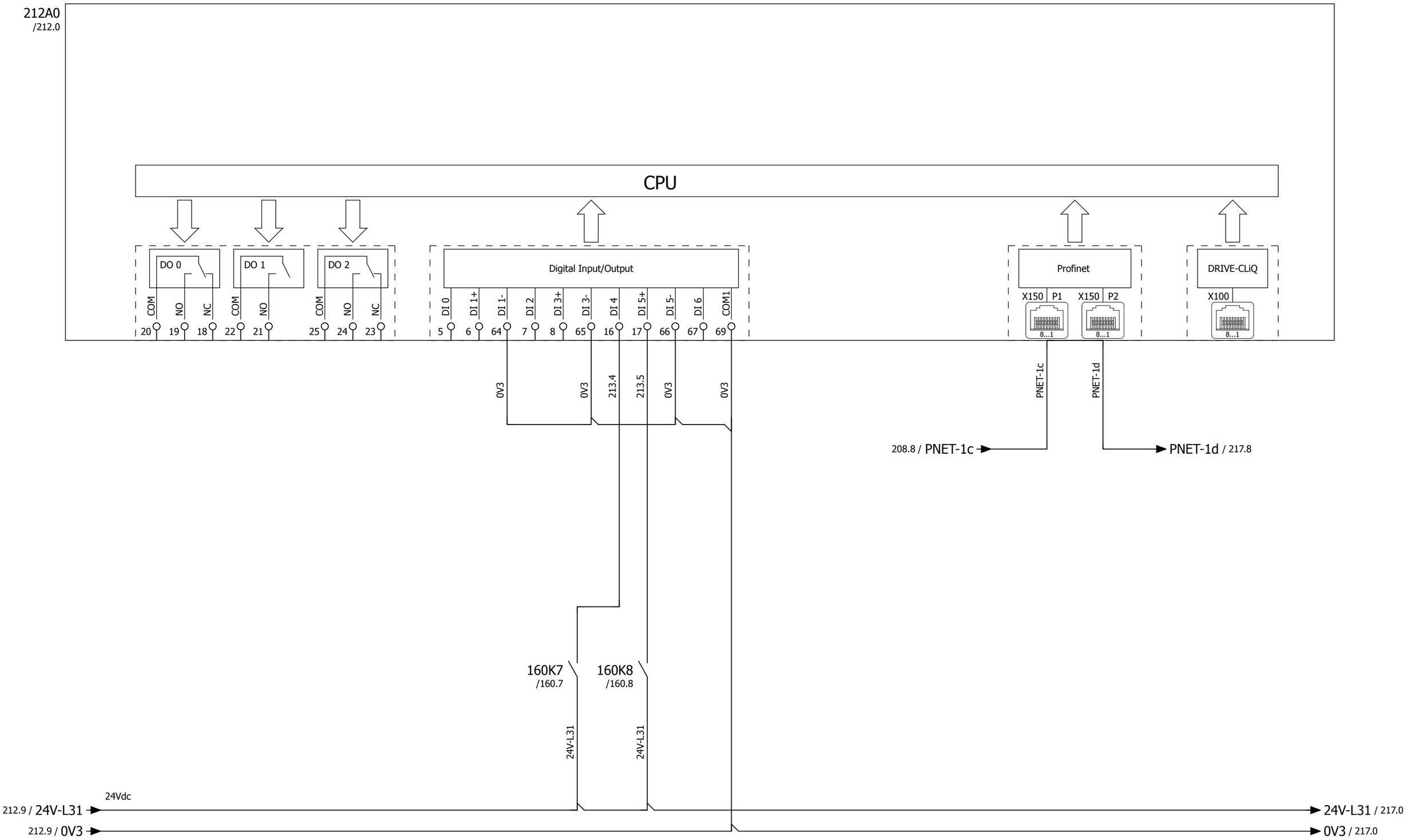
212B7
1024 Pulses
24Vdc
B91.01.202

Leveller Exit Pinch-Roll
Rotation Encoder

24Vdc
208.9 / 24V-L31 → 24V-L31 / 213.0
208.9 / 0V3 → 0V3 / 213.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Control Unit Leveller Exit Pinch-Roll Rotation	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **212**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 213

212A0
/212.0



Rev.	Descript.	Date	Name		
01				Date	08/2018
				Drawn	R.B.
				Check	Phil
				Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

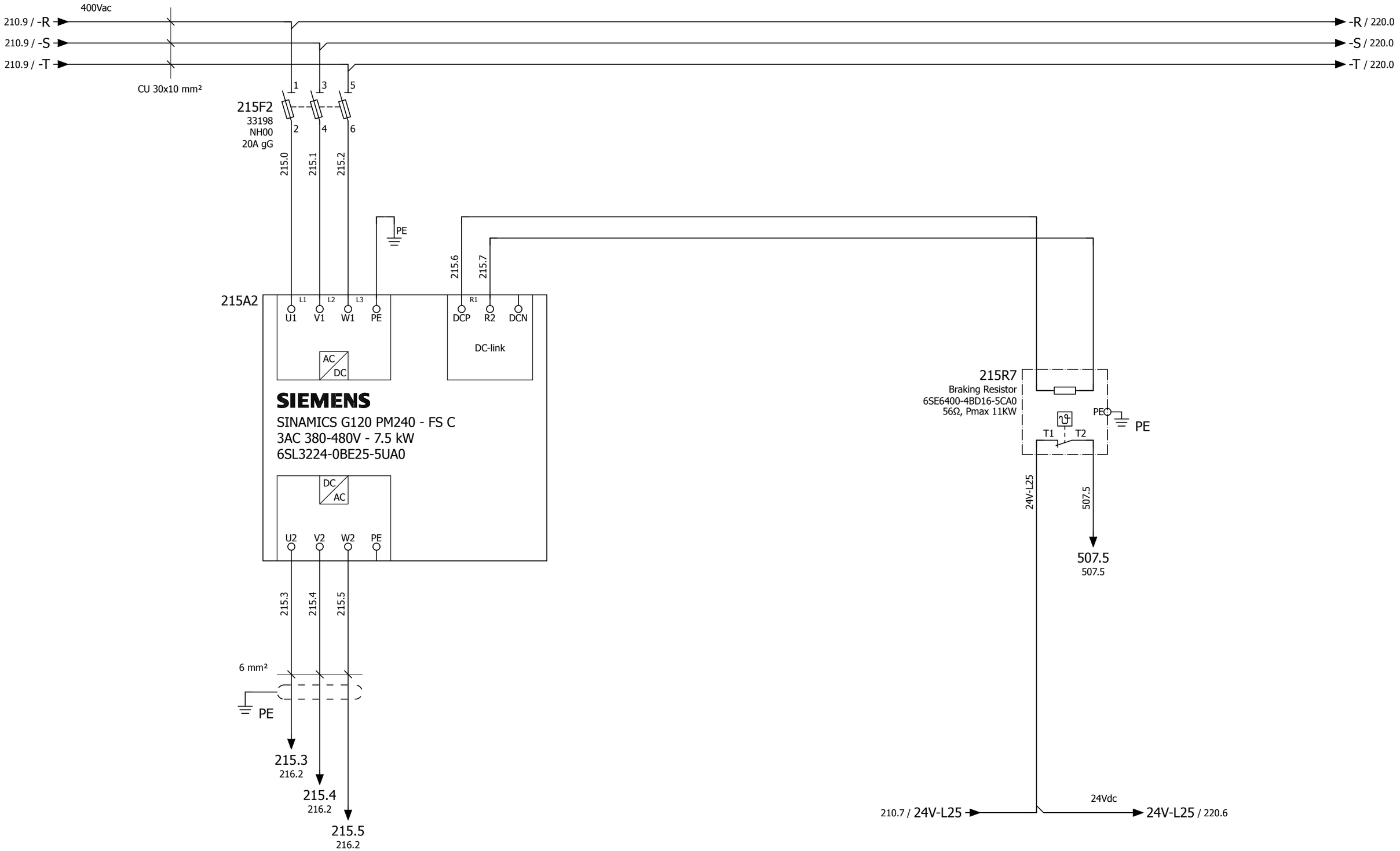
Control Unit Leveller
Exit Pinch-Roll Rotation
Descript.

Part Leveller - (China)

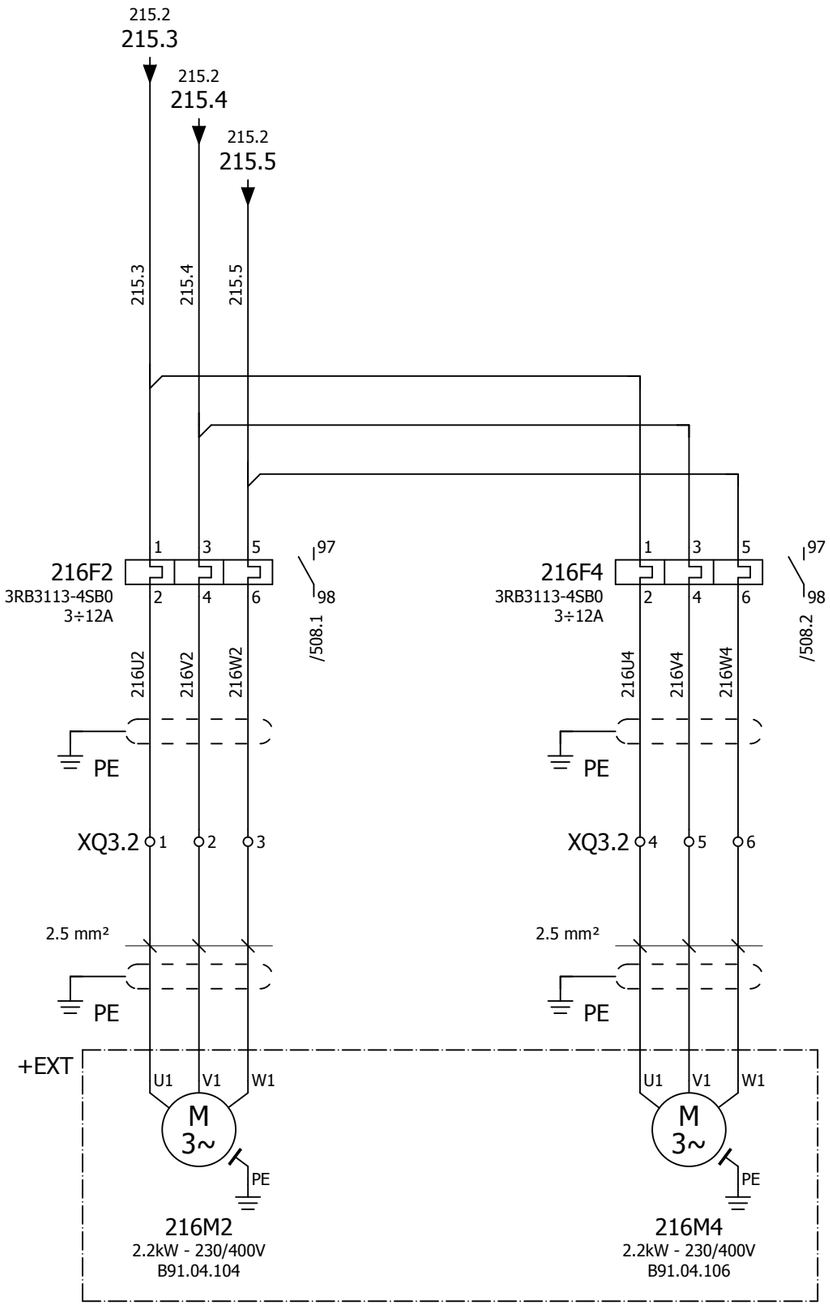
= Cabinet
+ **Q01-Q05**

Dwg.Nr.
QE0091 - 2018

Page **213**
Follow 215



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Module Leveller Cassette Change Carriage Horizontal Mov.	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **215**
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Leveller Cassette Change
Carriage Motor N°1
Horizontal Movement

Leveller Cassette Change
Carriage Motor N°2
Horizontal Movement

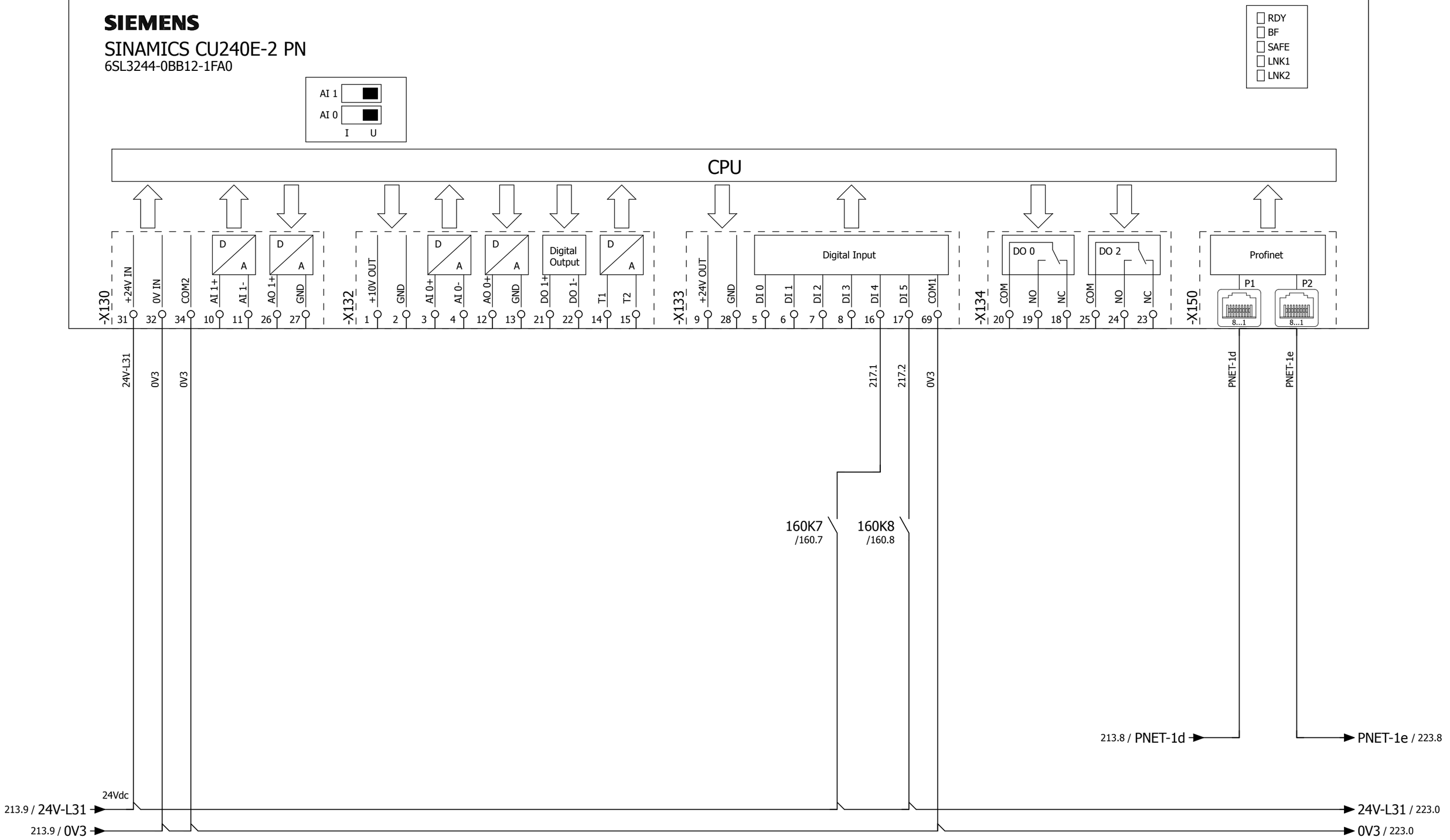
01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Module Leveller Cassette Change Carriage Horizontal Mov.	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **216**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 217

217A0

SIEMENS

SINAMICS CU240E-2 PN

6SL3244-0BB12-1FA0



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Control Unit Leveller Cassette Change Carriage Horizontal Mov.	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **217**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 220

400Vac

215.9 / -R
215.9 / -S
215.9 / -T

CU 30x10 mm²

-R / 225.0
-S / 225.0
-T / 225.0

220F2
33198
NH00
16A gG

220.0 220.1 220.2

PE

220.6 220.7

220A2

L1 L2 L3 R1

U1 V1 W1 PE DCP R2 DCN

AC/DC

DC-link

SIEMENS

SINAMICS G120 PM240 - FS B
3AC 380-480V - 2.2 kW
6SL3224-0BE22-2UA0

DC/AC

U2 V2 W2 PE

220.3 220.4 220.5

1.5 mm²

PE

551K5
/551.5

551K6
/551.6

220U2 220V2 220W2

220U4 220V4 220W4

XQ3.3 1 2 3

XQ3.3 4 5 6

220U2
221.1

220V2
221.1

220W2
221.1

220U4
222.1

220V4
222.1

220W4
222.1

220R7
Braking Resistor
6SE3201-0BE12-0AA0
160Ω, Pmax 4KW

T1 T2

PE

24V-L25

507.6

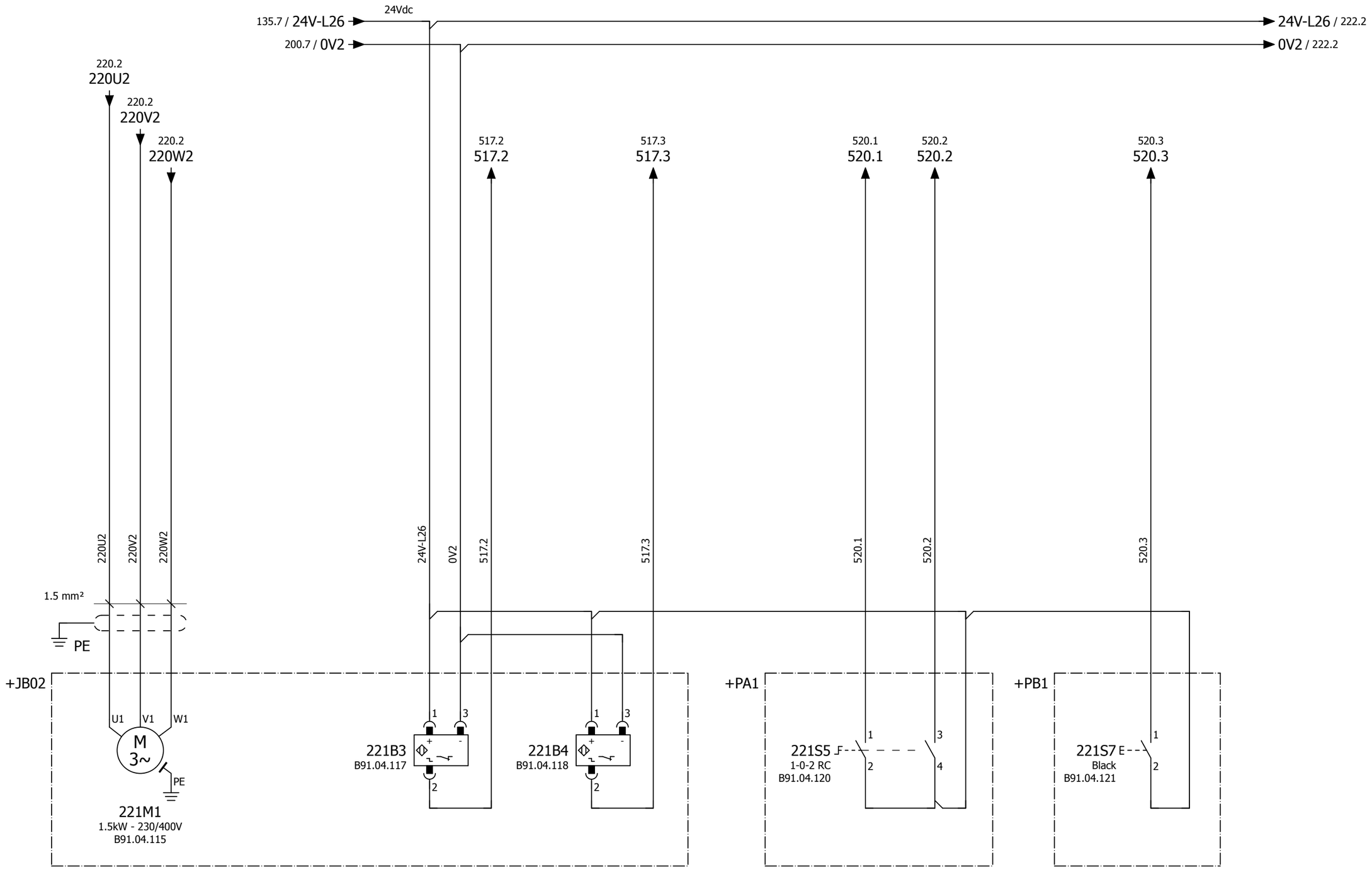
507.6
507.6

24Vdc

215.7 / 24V-L25

24V-L25 / 225.6

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Module Leveller Cassette Change Carriage Stations A-B Mov.	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **220**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 221



Leveller
Cassette Change
Carriage Station A
Movement

Leveller
Cassette Change
Station A
Inserted (In)

Leveller
Cassette Change
Station A
Disconnected (Out)

Leveller
Cassette Change
Carriage Station A
In - Out

Leveller
Cassette Change
Carriage Station A
Movement Enable

Rev.	Descript.	Date	Name
01			

Date	08/2018
Drawn	R.B.
Check	Phil
Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

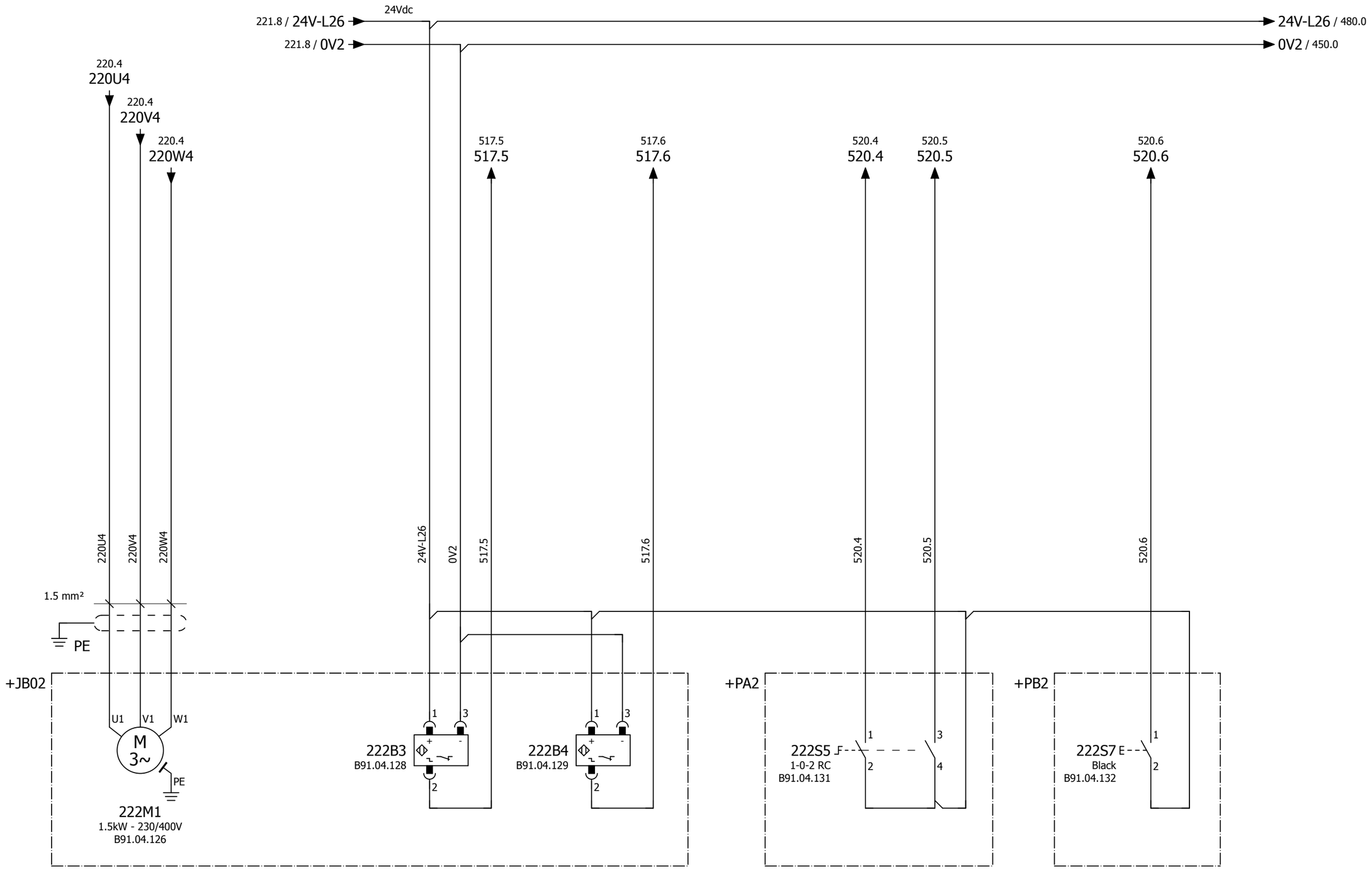
Power Module Leveller
Cassette Change Carriage Station A Mov.
Descript.

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

Dwg.Nr.
QE0091 - 2018

Page **221**
Follow 222

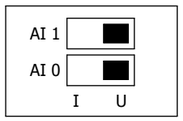


01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Module Leveller Cassette Change Carriage Station B Mov.	Part Leveller - (China)	= Cabinet + **Q01-Q05**
				Drawn	R.B.					
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **222**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 223

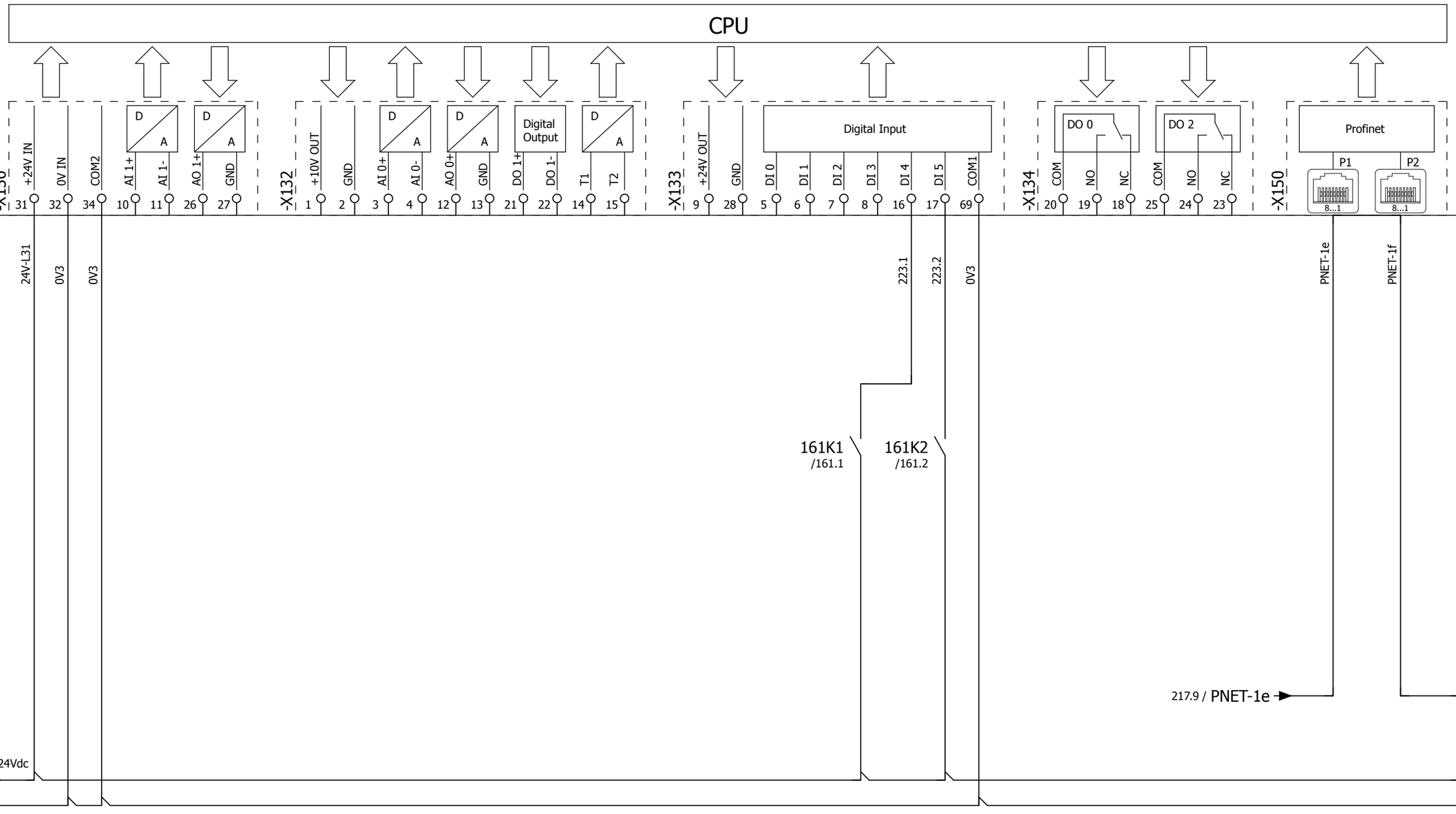
223A0

SIEMENS

SINAMICS CU240E-2 PN
6SL3244-0BB12-1FA0







01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Control Unit Leveller
Cassette Change Carriage Stations A-B Mov.
Descript.

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

Dwg.Nr.
QE0091 - 2018

Page **223**
Follow 225

400Vac

220.9 / -R
220.9 / -S
220.9 / -T

CU 30x10 mm²

225F2
33198
NH00
50A gG

1 3 5
2 4 6

225.0 225.1 225.2

Customer Supply

PE

225.6 225.7

225A2

L1 L2 L3 R1
U1 V1 W1 PE DCP R2 DCN

AC/DC

DC-link

SIEMENS
SINAMICS G120 PM240 - FS D
3AC 380-480V - 18.5 kW
6SL3224-0BE31-5UA0

DC/AC

U2 V2 W2 PE

225.3 225.4 225.5

16 mm²

PE

225.3
226.2

225.4
226.2

225.5
226.2

225R7
Braking Resistor
6SE6400-4BD21-2DA0
27Ω, Pmax 24KW

PE PE

T1 T2

24V-L25

507.7

507.7
507.7

24Vdc

220.7 / 24V-L25

24V-L25 / 230.6

-R / 230.0
-S / 230.0
-T / 230.0

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA Tech SRL General Automation & Technology

Descript.: Power Module Entry Rollways Rotation

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

Dwg.Nr. QE0091 - 2018

Page **225**
Follow 226

Customer Supply

225.2 225.3
225.2 225.4
225.2 225.5

225.3 225.4 225.5

226L2
54A
0,232mH
Fmax=4KHZ

226.0 226.1 226.2

226F2 / 226F3 / 226F5 / 226F7 / 226F9
3RB3113-4SB0
3÷12A

/508.3 /508.4 /508.5 /508.6 /508.7

226U2 226V2 226W2 — 226U3 226V3 226W2 — 226U5 226V5 226W5 — 226U7 226V7 226W7 — 226U9 226V9 226W9

PE

XQ4.0 1 2 3 — XQ4.0 4 5 6 — XQ4.0 7 8 9 — XQ4.0 10 11 12 — XQ4.0 13 14 15

2.5 mm²

+EXT

U1 V1 W1 — M 3~ — PE

226M2
2.2kW - 230/400V
B91.06.101

226M3
2.2kW - 230/400V
B91.06.103

226M5
2.2kW - 230/400V
B91.06.105

226M7
2.2kW - 230/400V
B91.06.107

226M9
2.2kW - 230/400V
B91.06.109

Entry Rollway N°1 Rotation

Entry Rollway N°2 Rotation

Entry Rollway N°3 Rotation

Entry Rollway N°4 Rotation

Entry Rollway N°5 Rotation

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.: Power Module
Entry Rollways Rotation

Part Leveller - (China)

= Cabinet
+ Q01-Q05

Dwg.Nr. QE0091 - 2018

Page 226
Follow 227

Customer Supply

227A0

SIEMENS

SINAMICS CU240E-2 PN

6SL3244-0BB12-1FA0

AI 1 / AI 0 — I U

RDY
BF
SAFE
LNK1
LNK2

CPU

-X130: 31 +24V IN, 32 0V IN, 34 COM2, 10 AI 1+, 11 AI 1-, 26 AO 1+, 27 GND

-X132: 1 +10V OUT, 2 GND, 3 AI 0+, 4 AI 0-, 12 AO 0+, 13 GND, 21 DO 1+, 22 DO 1-, 14 T1, 15 T2

-X133: 9 +24V OUT, 28 GND, 5 DI 0, 6 DI 1, 7 DI 2, 8 DI 3, 16 DI 4, 17 DI 5, 69 COM1

-X134: 20 COM, 19 NO, 18 NC, 25 COM, 24 NO, 23 NC

-X150: P1, P2

24V-L31

0V3

227.1

227.2

0V3

161K1 /161.1

161K2 /161.2

PNET-1f

PNET-1g

223.9 / PNET-1f → PNET-1g / 233.8

24Vdc

223.9 / 24V-L31 → 24V-L31 / 233.0

223.9 / 0V3 → 0V3 / 233.0

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA Tech SRL General Automation & Technology

Descript.: Control Unit Entry Rollways Rotation

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

Dwg.Nr. QE0091 - 2018

Page **227**

Follow 230

400Vac

225.9 / -R

225.9 / -S

225.9 / -T

CU 30x10 mm²

230F2
33198
NH00
50A gG

1 3 5
2 4 6

230.0 230.1 230.2

Customer Supply

PE

230.6 230.7

230A2

L1 L2 L3 PE
U1 V1 W1 PE

R1
DCP R2 DCN

AC / DC

DC-link

SIEMENS

SINAMICS G120 PM240 - FS D
3AC 380-480V - 18.5 kW
6SL3224-0BE31-5UA0

DC / AC

U2 V2 W2 PE

230.3 230.4 230.5

16 mm²

PE

230.3
232.2

230.4
232.2

230.5
232.2

230R7
Braking Resistor
6SE6400-4BD21-2DA0
27Ω, Pmax 24KW

PE

T1 T2

PE

24V-L25

507.8

507.8
507.8

24Vdc

225.7 / 24V-L25

24V-L25 / 500.0

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.
Power Module
Exit Rollways Rotation

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

Dwg.Nr.
QE0091 - 2018

Page **230**
Follow 232

Customer Supply

230.2
230.3
230.2
230.4
230.2
230.5

230.3 230.4 230.5

232L2
54A
0,232mH
Fmax=4KHZ

232.0 232.1 232.2

232F2 3RB3113-4SB0 3÷12A
232F3 3RB3113-4SB0 3÷12A
232F5 3RB3113-4SB0 3÷12A
232F7 3RB3113-4SB0 3÷12A
232F9 3RB3113-4SB0 3÷12A

97 98
/508.8
/510.1
/510.2
/510.3
/510.4

232U2 232V2 232W2
232U3 232V3 232W3
232U5 232V5 232W5
232U7 232V7 232W7
232U9 232V9 232W9

PE

XQ4.1 1 2 3
XQ4.1 4 5 6
XQ4.1 7 8 9
XQ4.1 10 11 12
XQ4.1 13 14 15

2.5 mm²

+EXT

U1 V1 W1
M 3~
PE

232M2
2.2kW - 230/400V
B91.07.101

232M3
2.2kW - 230/400V
B91.07.103

232M5
2.2kW - 230/400V
B91.07.105

232M7
2.2kW - 230/400V
B91.07.107

232M9
2.2kW - 230/400V
B91.07.109

Exit Rollway N°1 Rotation

Exit Rollway N°2 Rotation

Exit Rollway N°3 Rotation

Exit Rollway N°4 Rotation

Exit Rollway N°5 Rotation

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.
Power Module
Exit Rollways Rotation

Part Leveller - (China)

= Cabinet
+ Q01-Q05

Dwg.Nr.
QE0091 - 2018

Page 232
Follow 233

Customer Supply

233A0

SIEMENS

SINAMICS CU240E-2 PN

6SL3244-0BB12-1FA0

AI 1 / AI 0 — I U

RDY
BF
SAFE
LNK1
LNK2

CPU

-X130
31 +24V IN
32 0V IN
34 COM2
10 AI 1+ (D/A)
11 AI 1- (D/A)
26 AO 1+ (D/A)
27 GND (D/A)

-X132
1 +10V OUT
2 GND
3 AI 0+ (D/A)
4 AI 0- (D/A)
12 AO 0+ (D/A)
13 GND (D/A)
21 DO 1+ (Digital Output)
22 DO 1- (Digital Output)
14 T1 (D/A)
15 T2 (D/A)

-X133
9 +24V OUT
28 GND
5 DI 0 (Digital Input)
6 DI 1 (Digital Input)
7 DI 2 (Digital Input)
8 DI 3 (Digital Input)
16 DI 4 (Digital Input)
17 DI 5 (Digital Input)
69 COM1 (Digital Input)

-X134
20 COM — 19 NO — 18 NC (DO 0)
25 COM — 24 NO — 23 NC (DO 2)

-X150
Profinet — P1 (8...1) — P2 (8...1)

24V-L31
0V3
233.1
233.2
0V3
PNET-1g

161K1 /161.1
161K2 /161.2

227.9 / PNET-1g

24Vdc
227.9 / 24V-L31
227.9 / 0V3
0V3 / 557.0

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. — Coil Processing Equipment

GA Tech SRL — General Automation & Technology

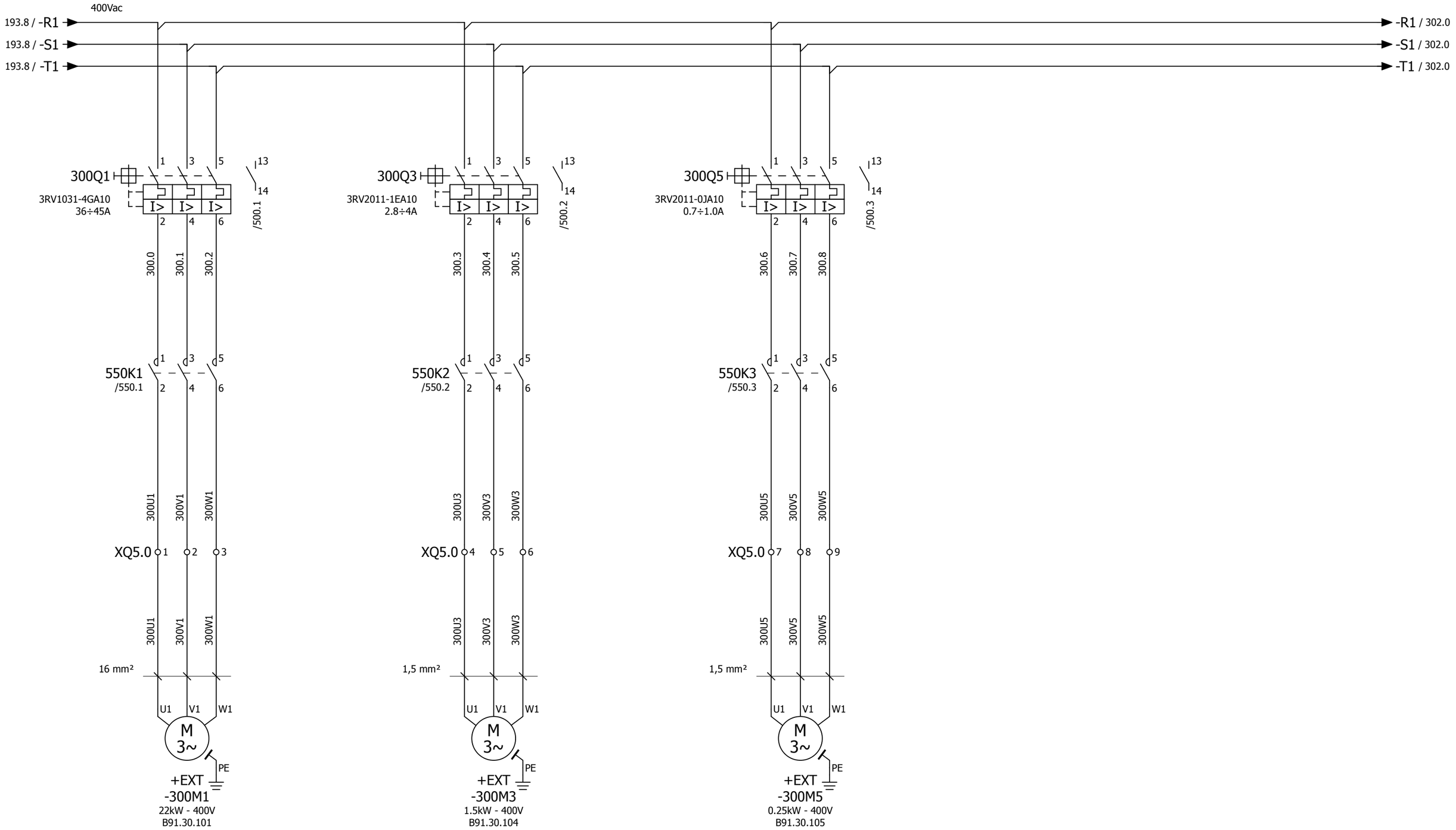
Descript.: Control Unit
Exit Rollways Rotation

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

Dwg.Nr. QE0091 - 2018

Page **233**
Follow 300

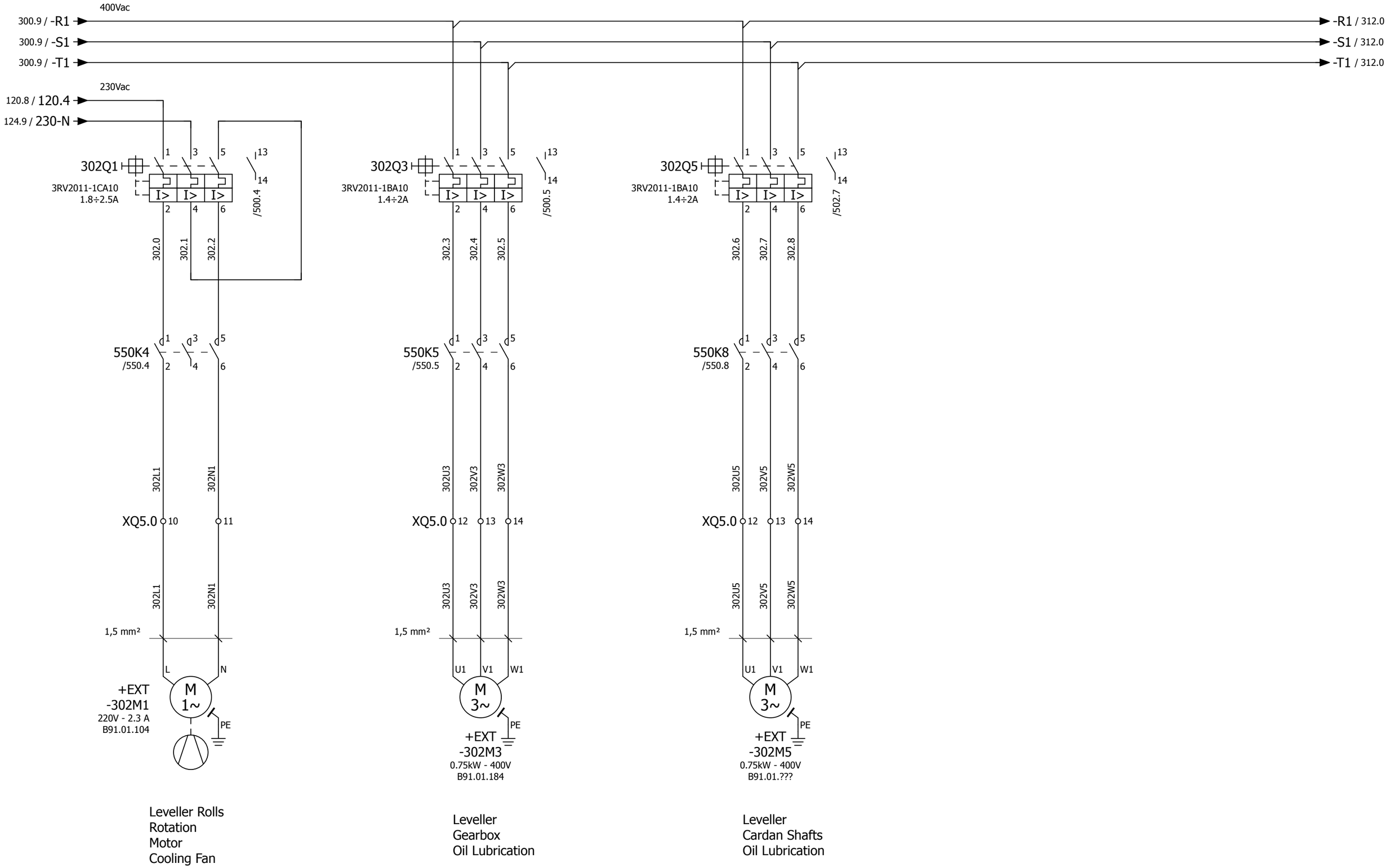


Hydraulic Unit
Pump
Rotation

Hydraulic Unit
Oil Recirculation Pump
Rotation

Hydraulic Unit
Oil Cooling
Rotation

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	A.C. Motors Hydraulic Unit	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **300**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 302



Leveller Rolls
Rotation
Motor
Cooling Fan

Leveller
Gearbox
Oil Lubrication

Leveller
Cardan Shafts
Oil Lubrication

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	A.C. Motors Leveller	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **302**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 304

400Vac

193.7 / R193.7
193.7 / S193.7
193.7 / T193.7

R193.7 / 305.0
S193.7 / 305.0
T193.7 / 305.0

304Q1
3RV2021-4DA10
20÷25A
/500.6

304Q3
3RV2021-4BA10
14÷20A
/500.7

304Q7
3RV2011-0GA10
0.45÷0.63 A
/500.8

304.0 304.1 304.2
304.3 304.4 304.5
304.6
304.7 304.8 304.9

551K7 /551.7
551K8 /551.8
552K2 /552.2
552K3 /552.3
552K1 /552.1
552K4 /552.4

304U1 304V1 304W1
304U3 304V3 304W3
304U7 304V7 304W7

XQ5.0 15 16 17
XQ5.0 18 19 20
XQ5.0 21 22 23

10 mm²
10 mm²
1,5 mm²

M
3~

+EXT
-304M2
11/9.3 kW - 400V
2800/1420rpm
B91.01.114

Leveller
Screw N°1
Vertical Movement
Fast

Leveller
Screw N°1
Vertical Movement
Slow

+EXT
-304Y7
400V
B91.01.115

Leveller
Screw N°1
Vertical Movement
Brake

Motor Side
1 3
2 4
Operator Side

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	A.C. Motors Leveller	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 304
Rev.	Descript.	Date	Name	Original				Descript.		Follow 305

400Vac

304.9 / R193.7
304.9 / S193.7
304.9 / T193.7

R193.7 / 306.0
S193.7 / 306.0
T193.7 / 306.0

305Q1
3RV2021-4DA10
20÷25A
/501.1

305Q3
3RV2021-4BA10
14÷20A
/501.2

305Q7
3RV2011-0GA10
0.45÷0.63 A
/501.3

552K5 /552.5
552K6 /552.6
552K8 /552.8
553K1 /553.1
552K7 /552.7
553K2 /553.2

305.0 305.1 305.2 305.3 305.4 305.5 305.6 305.7 305.8 305.9

XQ5.0 24 25 26
XQ5.0 27 28 29
XQ5.0 30 31 32

305U1 305V1 305W1 305U3 305V3 305W3 305U7 305V7 305W7

10 mm²
10 mm²
1,5 mm²

M 3~

+EXT
-305M2
11/9.3 kW - 400V
2800/1420rpm
B91.01.121

Leveller
Screw N°2
Vertical Movement
Fast

Leveller
Screw N°2
Vertical Movement
Slow

+EXT
-305Y7
400V
B91.01.122

Leveller
Screw N°2
Vertical Movement
Brake

Motor Side

1 3
2 4

Operator Side

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	A.C. Motors Leveller	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 305
Rev.	Descript.	Date	Name	Original				Descript.		Follow 306

400Vac

305.9 / R193.7
305.9 / S193.7
305.9 / T193.7

R193.7 / 307.0
S193.7 / 307.0
T193.7 / 307.0

306Q1
3RV2021-4DA10
20÷25A
/501.4

306Q3
3RV2021-4BA10
14÷20A
/501.5

306Q7
3RV2011-0GA10
0.45÷0.63 A
/501.6

306.0 306.1 306.2
306.3 306.4 306.5
306.6
306.7 306.8 306.9

553K3 /553.3
553K4 /553.4
553K6 /553.6
553K7 /553.7
553K5 /553.5
553K8 /553.8

306U1 306V1 306W1
306U3 306V3 306W3
306U7 306V7 306W7

XQ5.0 33 34 35
XQ5.0 36 37 38
XQ5.0 39 40 41

10 mm²
10 mm²
1,5 mm²

M 3~
W U V V U W

+EXT
-306M2
11/9.3 kW - 400V
2800/1420rpm
B91.01.129

Leveller
Screw N°3
Vertical Movement
Fast

Leveller
Screw N°3
Vertical Movement
Slow

+EXT
-306Y7
400V
B91.01.122

Leveller
Screw N°3
Vertical Movement
Brake

Motor Side
1 3
2 4
Operator Side

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	A.C. Motors Leveller	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 306
Rev.	Descript.	Date	Name	Original				Descript.		Follow 307

400Vac

306.9 / R193.7
306.9 / S193.7
306.9 / T193.7

R193.7 / 310.0
S193.7 / 310.0
T193.7 / 310.0

307Q1
3RV2021-4DA10
20÷25A
/501.7

307Q3
3RV2021-4BA10
14÷20A
/501.8

307Q7
3RV2011-0GA10
0.45÷0.63 A
/502.1

307.0 307.1 307.2
307.3 307.4 307.5
307.6
307.7 307.8 307.9

555K1 /555.1
555K2 /555.2
555K4 /555.4
555K5 /555.5
555K3 /555.3
555K6 /555.6

307U1 307V1 307W1
307U3 307V3 307W3
307U7 307V7 307W7

XQ5.0 42 43 44
XQ5.0 45 46 47
XQ5.0 48 49 50

10 mm²
10 mm²
1,5 mm²

M 3~
U V W

+EXT
-307M2
11/9.3 kW - 400V
2800/1420rpm
B91.01.136

Leveller
Screw N°4
Vertical Movement
Fast

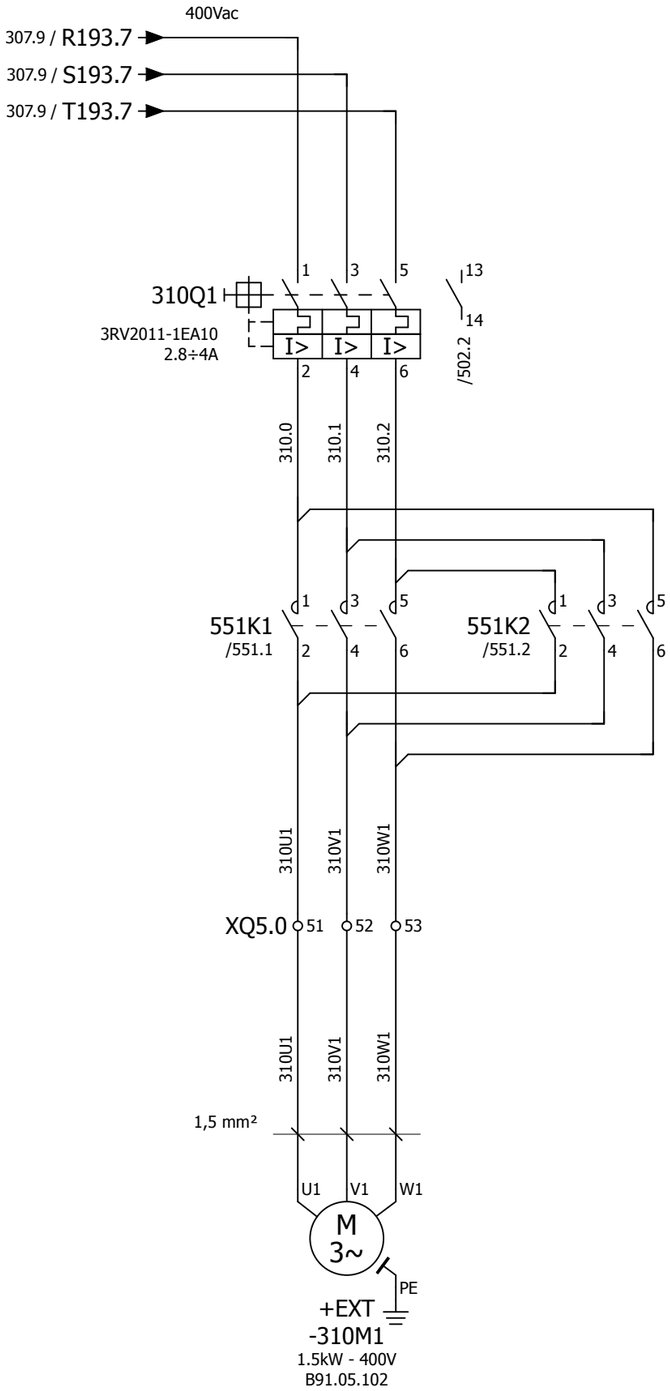
Leveller
Screw N°4
Vertical Movement
Slow

+EXT
-307Y7
400V
B91.01.137

Leveller
Screw N°4
Vertical Movement
Brake

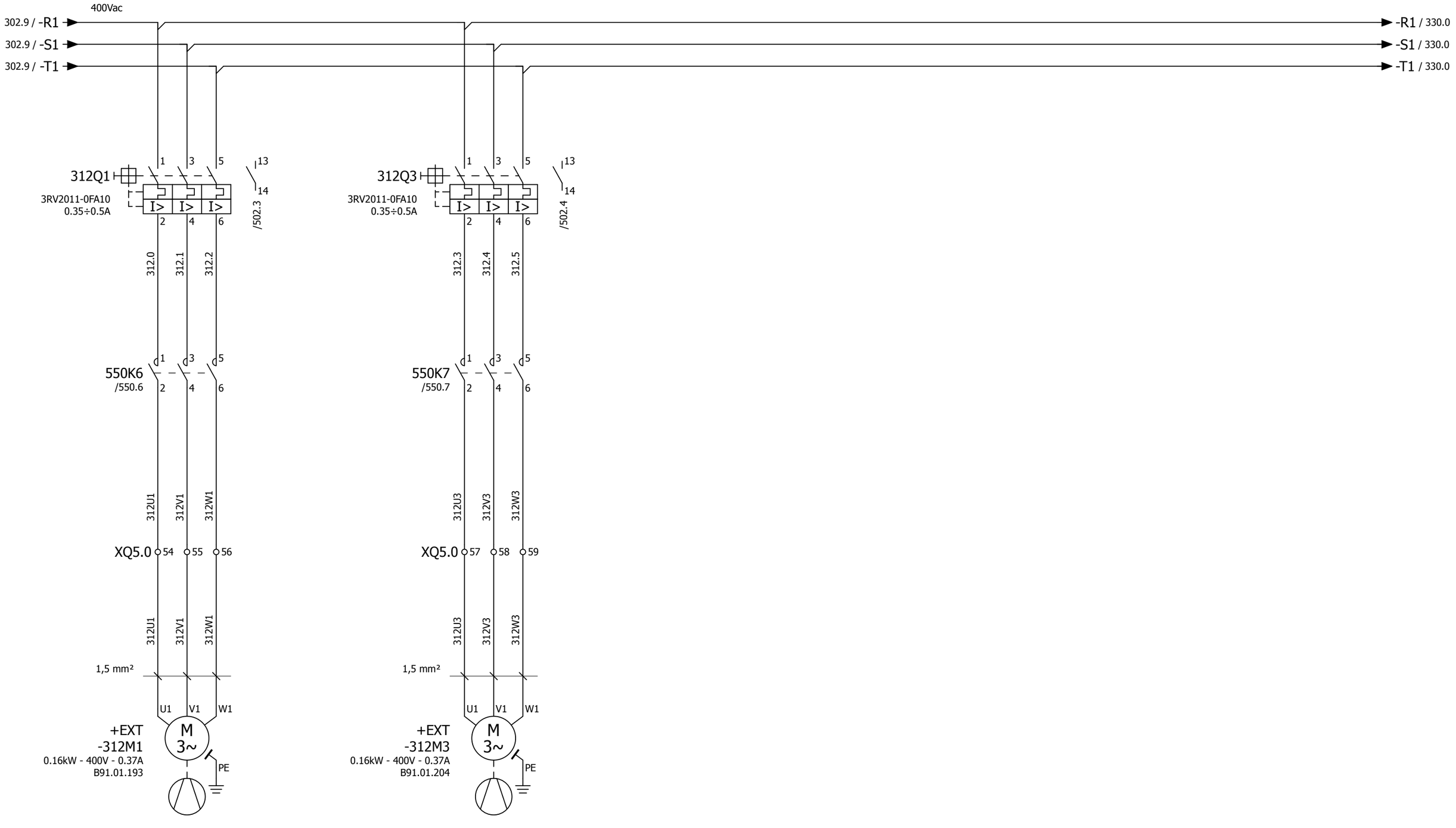
Motor Side
1 3
2 4
Operator Side

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	A.C. Motors Leveller	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 307
Rev.	Descript.	Date	Name	Original				Descript.		Follow 310



Leveller Rolls
Cleaning Device
Horizontal Movement

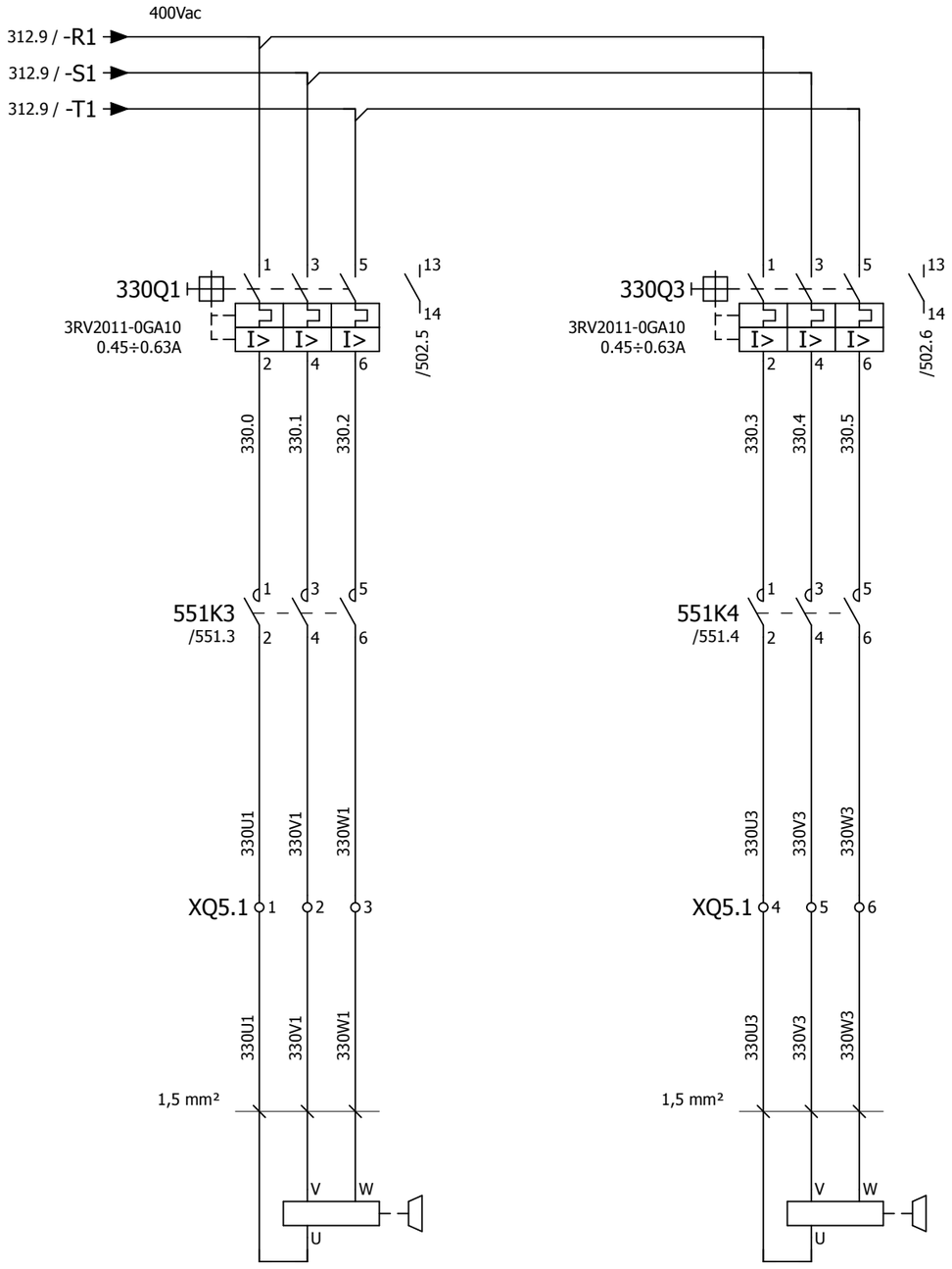
01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	A.C. Motors Leveller	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **310**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 312



Leveller
Entry Pinch Roll
Motor Cooling Fan

Leveller
Exit Pinch Roll
Motor Cooling Fan

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	A.C. Motors Leveller	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 312
Rev.	Descript.	Date	Name	Original				Descript.		Follow 330

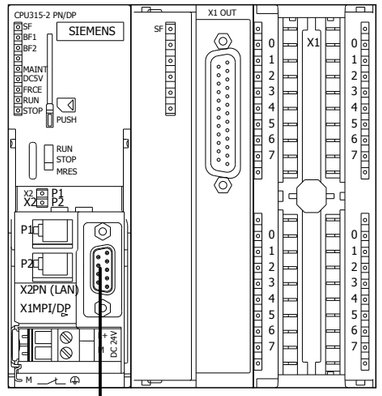


Leveller
Cassette Change
Motor N°1
Horizontal Movement

Leveller
Cassette Change
Motor N°2
Horizontal Movement

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	A.C. Motor Brakes	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **330**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 402

450A1

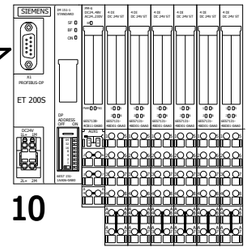


02

PBUS-1

+E01

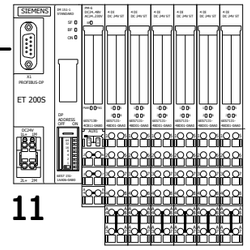
1001A0



10

+E02

1101A0

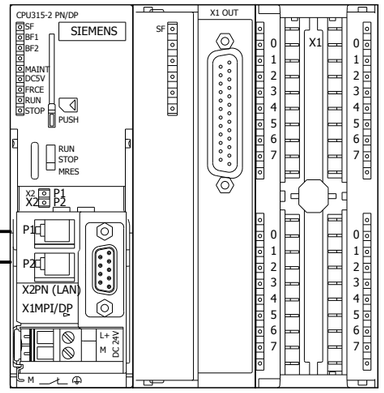


11

PBUS-1a

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Profibus Network	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **402**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 405

450A1



202A0
SIEMENS
CU250S-2 PN
Leveller Rolls Rotation

207A0
SIEMENS
CU250S-2 PN
Leveller Entry Pinch Roll Rotation

212A0
SIEMENS
CU250S-2 PN
Leveller Exit Pinch Roll Rotation

217A0
SIEMENS
CU240E-2 PN
Leveller Cassette Change Carriage Horizontal Mov.

223A0
SIEMENS
CU240E-2 PN
Leveller Cassette Change Carriage Stations A-B Mov.

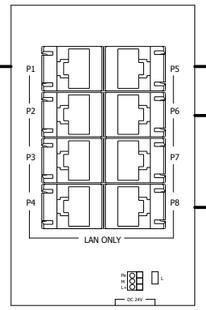
227A0
SIEMENS
CU240E-2 PN
Entry Rollways Rotation

233A0
SIEMENS
CU240E-2 PN
Exit Rollways Rotation

PNET-1a | PNET-1b | PNET-1c | PNET-1d | PNET-1e | PNET-1f | PNET-1g

PNET-1

470A6

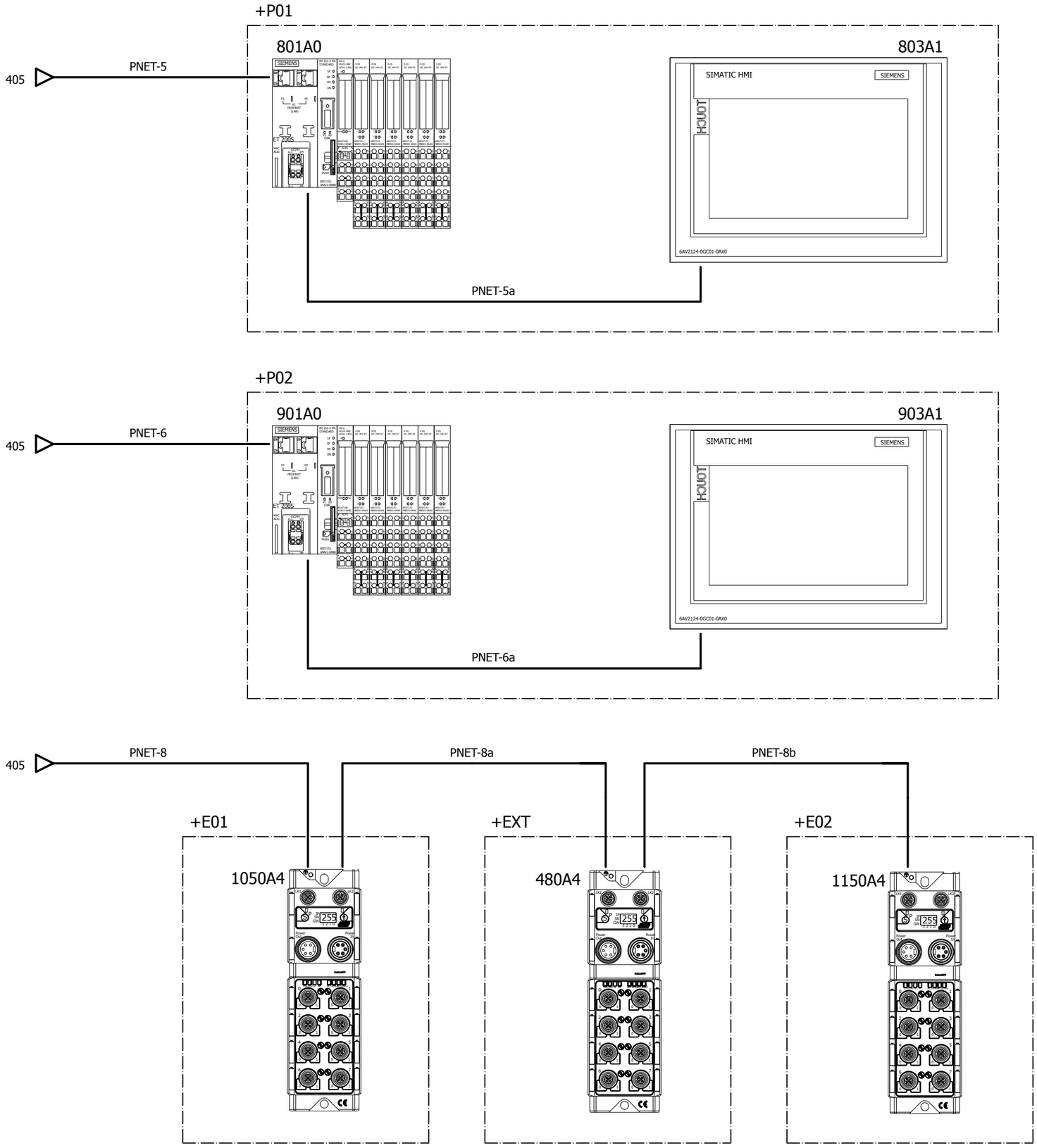


PNET-5 → 406

PNET-6 → 406

PNET-8 → 406

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Profinet Network	Part Leveller - (China) = Cabinet + **Q01-Q05**
				Drawn	R.B.				
				Check	Phil				Dwg.Nr. QE0091 - 2018 Page **405**
Rev.	Descript.	Date	Name	Original				Descript.	Follow 406



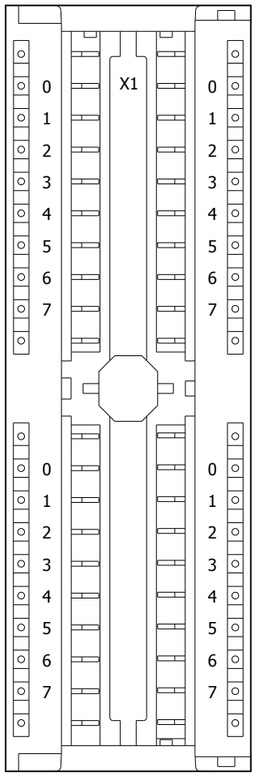
01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Profinet Network	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 406
Rev.	Descript.	Date	Name	Original				Descript.		Follow 450



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	PLC S7-300	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **450**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 451

450A8

6ES7321-1BL00-0AA0



SM321 DI 32XDC24V

/520.0
/521.0
/522.0
/523.0

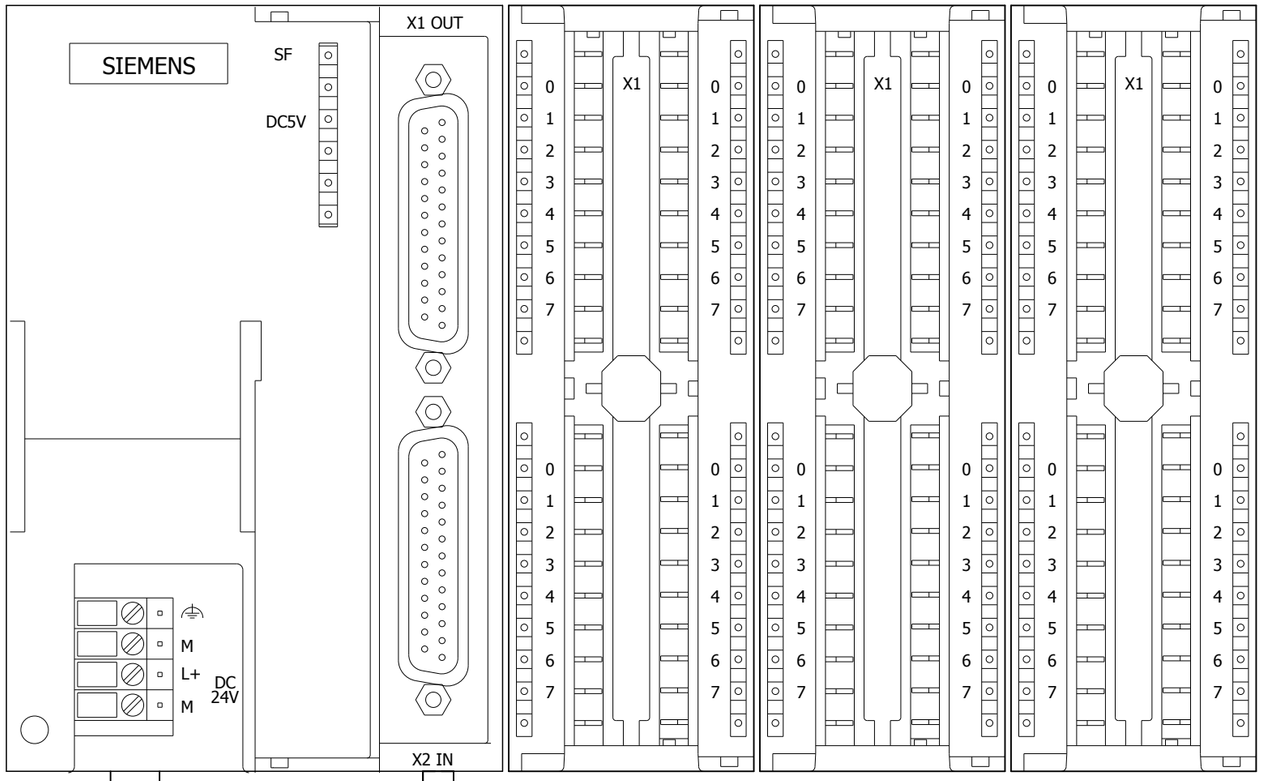
01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	PLC S7-300	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **451**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 452

452A1
6ES7361-3CA01-0AA0

452A2
6ES7322-1BL00-0AA0

452A3
6ES7322-1BL00-0AA0

452A4
6ES7322-1BL00-0AA0



IM 361

SM322 DO 32XDC24V
/550.0
/551.0
/552.0
/553.0

SM322 DO 32XDC24V
/555.0
/556.0
/557.0
/558.0

SM322 DO 32XDC24V
/560.0
/561.0
/562.0
/563.0

24V-L22

0V2

450.3 / IM-360

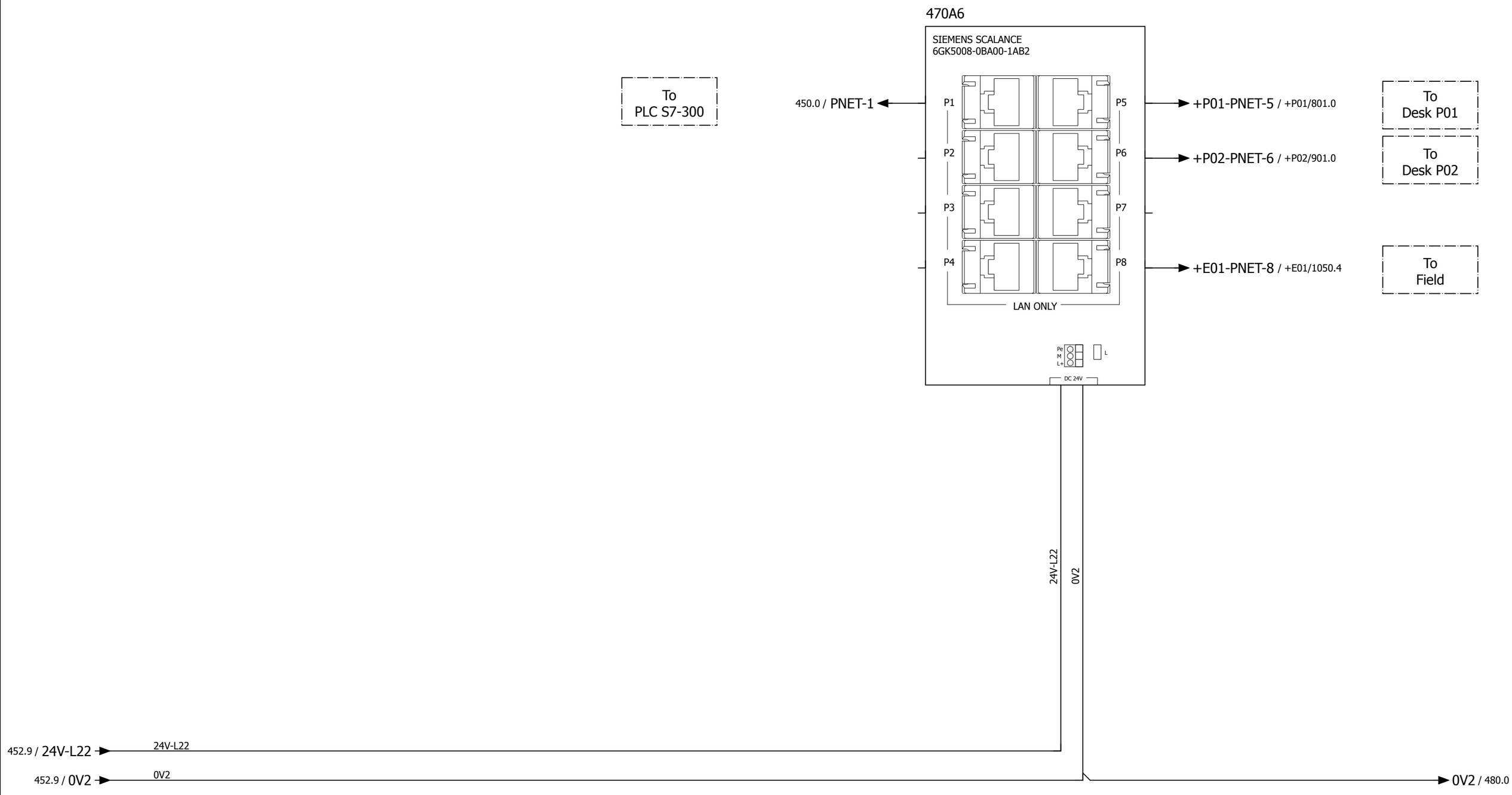
450.9 / 24V-L22

450.9 / 0V2

24V-L22 / 470.0

0V2 / 470.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	PLC S7-300	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **452**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 470



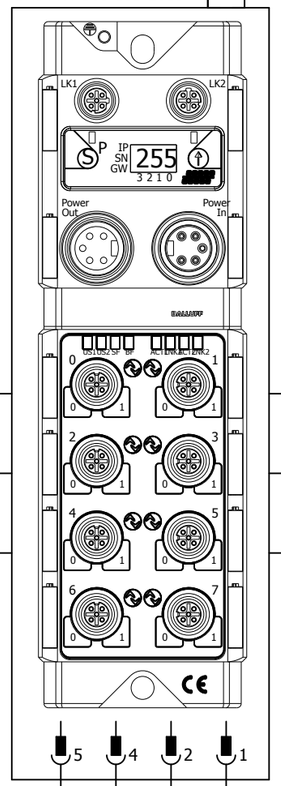
01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	EthernNet Switch	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **470**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 480

+EXT

+E01/1050.6 / PNET-8a → PNET-8a

PNET-8b → +E02-PNET-8b / +E02/1150.4

480A4
BNI PNT-508-105-Z015



480A0
B91.01.119
I/O Link Transducer
Leveller Screw N°1 (L=150mm)

480A2
B91.01.134
I/O Link Transducer
Leveller Screw N°3 (L=150mm)

480A5
B91.01.197
I/O Link Transducer
Leveller Entry P.R. (L=150mm)

480A1
B91.01.126
I/O Link Transducer
Leveller Screw N°2 (L=150mm)

480A3
B91.01.141
I/O Link Transducer
Leveller Screw N°4 (L=150mm)

480A6
B91.01.208
I/O Link Transducer
Leveller Exit P.R. (L=150mm)

24V-L26

0V2

XQ5.3 1 2

24Vdc

222.8 / 24V-L26 → 24V-L26 / 490.0

470.9 / 0V2 → 0V2 / 490.0

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

I/O Link Linear Transducers
Descript.

Part Leveller - (China)

= Cabinet
+ Q01-Q05

Dwg.Nr.
QE0091 - 2018

Page 480
Follow 490

480.9 / 24V-L26 → 24V-L26

480.9 / 0V2 → 0V2

24V-L26 → 24V-L26 / 512.0

0V2 → 0V2 / 500.0

+EXT

XSCH 1 2

Br Wh

490A2
Cassette A
B91.01.213
+Ub GND
PEPPERL+FUCHS
MNI40N 1000 ppr
A B
Gn Gr

490A6
Cassette B
B91.01.215
+Ub GND
PEPPERL+FUCHS
MNI40N 1000 ppr
A B
Gn Gr

490A4
Cassette A
B91.01.213
+Ub GND
PEPPERL+FUCHS
MNI40N 1000 ppr
A B
Gn Gr

490A8
Cassette B
B91.01.216
+Ub GND
PEPPERL+FUCHS
MNI40N 1000 ppr
A B
Gn Gr

PE

490.0 490.1

XSCH 3 4

PE

490.0 490.1

PE

490.2 490.3

XSCH 5 6

PE

490.2 490.3

XSCH 7 8

PE

490.4 490.5

XSCH 9 10

PE

490.6 490.7

450A3
/450.3

21 22 3 7 4 8 5 9 6 10

Leveller Cassette A/B
First Roll
Speed Control

Leveller Cassette A/B
Last Roll
Speed Control

Spare

Spare

PEW270 PEW272 PEW274 PEW276

6ES7350-2AH01-0AE0

01			Date	08/2018	
			Drawn	R.B.	
			Check	Phil	
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA Tech SRL General Automation & Technology

Descript.: Counter Module Field

Part Leveller - (China)

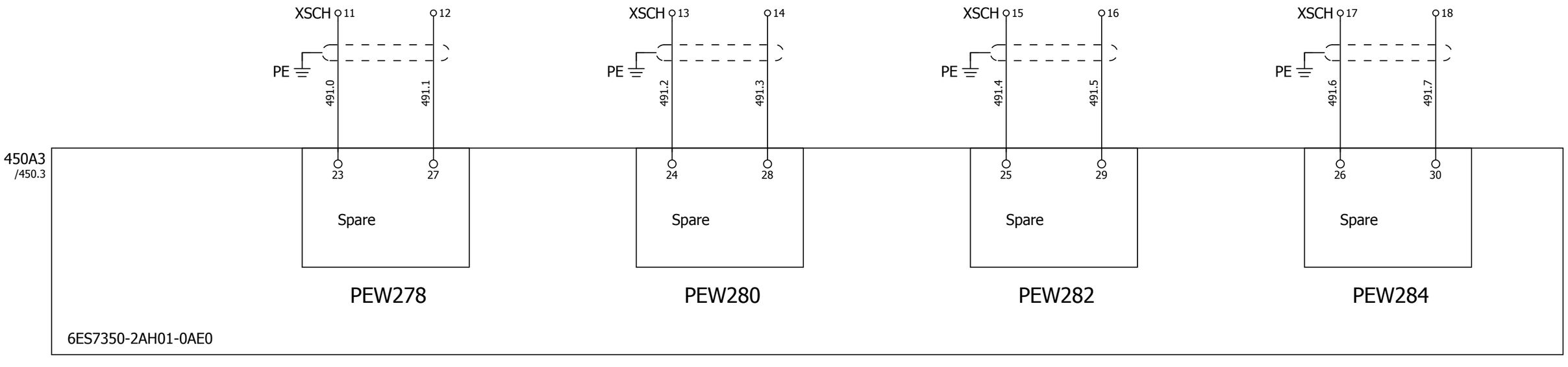
= Cabinet
+ Q01-Q05

Dwg.Nr. QE0091 - 2018

Page 490

Follow 491

0	1	2	3	4	5	6	7	8	9



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.
Counter Module
Field

Part Leveller - (China)

Dwg.Nr.
QE0091 - 2018

= Cabinet
+ **Q01-Q05**

Page **491**
Follow 500

230.7 / 24V-L25 → 24V-L25

490.9 / 0V2 → 0V2

24V-L25 → 24V-L25 / 501.0

0V2 → 0V2 / 501.0

300Q1 13	300Q3 13	300Q5 13	302Q1 13	302Q3 13	304Q1 13	304Q3 13	304Q7 13
/300.1 14	/300.3 14	/300.5 14	/302.1 14	/302.3 14	/304.1 14	/304.3 14	/304.7 14

500.1 500.2 500.3 500.4 500.5 500.6 500.7 500.8

450A4 /450.5

1	2	3	4	5	6	7	8	9	10
	Hydraulic Unit Pump Rotation	Hydraulic Unit Oil Recirculation Pump Rotation	Hydraulic Unit Oil Cooling Rotation	Leveller Rolls Rotation Motor Cooling Fan	Leveller Gearbox Oil Lubrication	Leveller Screw N°1 Vertical Movement Fast	Leveller Screw N°1 Vertical Movement Slow	Leveller Screw N°1 Vertical Movement Brake	
	E0.0	E0.1	E0.2	E0.3	E0.4	E0.5	E0.6	E0.7	

6ES7321-1BL00-0AA0

Rev.	Descript.	Date	Name
01			

Date	08/2018
Drawn	R.B.
Check	Phil
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA Tech SRL General Automation & Technology

Descript.: Digital Inputs Cabinet

Part Leveller - (China)

= Cabinet

+ **Q01-Q05**

Dwg.Nr. QE0091 - 2018

Page **500**

Follow 501

500.9 / 24V-L25 → 24V-L25

500.9 / 0V2 → 0V2

24V-L25 → 24V-L25 / 502.0

0V2 → 0V2 / 502.0

	305Q1	305Q3	305Q7	306Q1	306Q3	306Q7	307Q1	307Q3
13	/305.1	/305.3	/305.7	/306.1	/306.3	/306.7	/307.1	/307.3
14								

	501.1	501.2	501.3	501.4	501.5	501.6	501.7	501.8	0V2
450A4 /450.5	11	12	13	14	15	16	17	18	19	20
		Leveller Screw N°2 Vertical Movement Fast	Leveller Screw N°2 Vertical Movement Slow	Leveller Screw N°2 Vertical Movement Brake	Leveller Screw N°3 Vertical Movement Fast	Leveller Screw N°3 Vertical Movement Slow	Leveller Screw N°3 Vertical Movement Brake	Leveller Screw N°4 Vertical Movement Fast	Leveller Screw N°4 Vertical Movement Slow	
		E1.0	E1.1	E1.2	E1.3	E1.4	E1.5	E1.6	E1.7	

6ES7321-1BL00-0AA0

Rev.	Descript.	Date	Name
01			

Date	08/2018
Drawn	R.B.
Check	Phil
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA Tech SRL General Automation & Technology

Descript.: Digital Inputs Cabinet

Part Leveller - (China)

= Cabinet

+ **Q01-Q05**

Dwg.Nr. QE0091 - 2018

Page **501**

Follow 502

501.9 / 24V-L25 → 24V-L25

501.9 / 0V2 → 0V2

24V-L25 → 24V-L25 / 503.0

0V2 → 0V2 / 503.0

307Q7	310Q1	312Q1	312Q3	330Q1	330Q3	302Q5
/307.7	/310.1	/312.1	/312.3	/330.1	/330.3	/302.5
13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14
502.1	502.2	502.3	502.4	502.5	502.6	502.7	502.8
						Xsc 1	Xsc 2

450A4 /450.5

21	22	23	24	25	26	27	28	29	30
	Leveller Screw N°4 Vertical Movement Brake	Leveller Rolls Cleaning Device Horizontal Movement	Leveller Entry Pinch Roll Motor Cooling Fan	Leveller Exit Pinch Roll Motor Cooling Fan	Leveller Cassette Change Motor N°1 Horizontal Movement	Leveller Cassette Change Motor N°2 Horizontal Movement	Leveller Cardan Shafts Oil Lubrication	Spare	
	E2.0	E2.1	E2.2	E2.3	E2.4	E2.5	E2.6	E2.7	

6ES7321-1BL00-0AA0

Rev.	Descript.	Date	Name
01			

Date	08/2018
Drawn	R.B.
Check	Phil
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA Tech SRL General Automation & Technology

Descript.: Digital Inputs Cabinet

Part Leveller - (China)

= Cabinet

+ Q01-Q05

Dwg.Nr. QE0091 - 2018

Page 502

Follow 503

502.9 / 24V-L25 → 24V-L25

502.9 / 0V2 → 0V2

24V-L25 → 24V-L25 / 505.0

0V2 → 0V2 / 505.0

	110Q1	110F2	110F3	110F4	110F5	110F6	120Q1
13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14
	/110.1	/110.2	/110.3	/110.4	/110.5	/110.6	/120.1

Xsc 3

	503.1	503.2	503.3	503.4	503.5	503.6	503.7	503.8	0V2
450A4 /450.5	31	32	33	34	35	36	37	38	39	40
		Power Supply 110Vac Transformer	Power Supply 110Vac Desk P01	Power Supply 110Vac Desk P02	Spare	Power Supply 110Vac Auxiliaries	Power Supply 110Vac Auxiliaries A.C. Motors	Spare	Power Supply 230Vac Transformer	
		E3.0	E3.1	E3.2	E3.3	E3.4	E3.5	E3.6	E3.7	

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Part Leveller - (China)

= Cabinet

+ **Q01-Q05**

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Page **503**

Follow 505

503.9 / 24V-L25 → 24V-L25

503.9 / 0V2 → 0V2

24V-L25 → 24V-L25 / 506.0

0V2 → 0V2 / 506.0

	120F2	120F3	135F2	135F4	135F5	135F7
	/120.2	/120.3	/135.2	/135.4	/135.5	/135.7
13						
14						

	505.1	505.2	Xsc 4 / 505.3	Xsc 5 / 505.4	505.5	505.6	505.7	505.8
450A5 /450.6								
1								
2	Power Supply 230Vac Cabinet Fans							
3		Power Supply 230Vac Cabinet Lights & Sockets						
4			Spare					
5				Spare				
6					Power Supply 24Vdc Safety Device			
7						Power Supply 24Vdc Entry Rollways E01		
8							Power Supply 24Vdc Exit Rollways E02	
9								Power Supply 24Vdc Input / Output Field
10								
	E4.0	E4.1	E4.2	E4.3	E4.4	E4.5	E4.6	E4.7

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Page **505**

Follow 506

505.9 / 24V-L25 → 24V-L25

505.9 / 0V2 → 0V2

24V-L25 → 24V-L25 / 507.0

0V2 → 0V2 / 507.0

24V-L25 → XEME 5 → +EXT

+EXT: 155S6 /155.5 (11, 12) → 506.83 → 155S5 /155.5 (11, 12) → 506.82 → 155S4 /155.5 (11, 12) → 506.81 → 155S3 /155.5 (11, 12)

140Q1 /140.1 (13, 14) → 506.1

140F2 /140.2 (13, 14) → 506.2

140F3 /140.3 (13, 14) → 506.3

160K5 /160.5 → 506.51 → 160K6 /160.6 → Xsc 6 → 506.4

160K7 /160.7 → 506.61 → 160K8 /160.8 → 506.5

156S8 /156.8 (11, 12) → 506.6

XEME 6 → 506.7

506.8

0V2

450A5 /450.6

11	12	13	14	15	16	17	18	19	20
	Power Supply Main 24Vdc Inverters & Solenoid Valves	Power Supply 24Vdc A.C. Inverters Feeding	Power Supply 24Vdc Solenoid Valves	Spare	Instantaneous Emergency Stop Feedback	Delayed Emergency Stop Feedback	Emergency Push-Button Cabinet	Emergency Push-Buttons Leveller	
	E5.0	E5.1	E5.2	E5.3	E5.4	E5.5	E5.6	E5.7	

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+ **Q01-Q05**

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Follow 507

0	1	2	3	4	5	6	7	8	9

506.9 / 24V-L25 → 24V-L25 → 24V-L25 / 508.0

506.9 / 0V2 → 0V2 → 0V2 / 508.0

200.4 507.1 — 200.7 507.2 — 205.7 507.3 — 210.7 507.4 — 215.7 507.5 — 220.7 507.6 — 225.7 507.7 — 230.7 507.8

450A5 /450.6

21	22	23	24	25	26	27	28	29	30
	Leveller Rolls Rotation Braking Module Fault	Leveller Rolls Rotation Braking Resistor Overtemperature	Leveller Entry P.R. Rotation Braking Resistor Overtemperature	Leveller Exit P.R. Rotation Braking Resistor Overtemperature	Cassette Change Horizontal Movement Braking Resistor Overtemperature	Cassette Change Stations A-B Movement Braking Resistor Overtemperature	Entry Rollways Rotation Braking Resistor Overtemperature	Exit Rollways Rotation Braking Resistor Overtemperature	
	E6.0	E6.1	E6.2	E6.3	E6.4	E6.5	E6.6	E6.7	

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Follow 508

507.9 / 24V-L25 → 24V-L25

507.9 / 0V2 → 0V2

24V-L25 → 24V-L25 / 510.0

0V2 → 0V2 / 510.0

	216F2	216F4	226F2	226F3	226F5	226F7	226F9	232F2
	/216.2	/216.4	/226.2	/226.3	/226.5	/226.7	/226.8	/232.2
97	97	97	97	97	97	97	97	97
98	98	98	98	98	98	98	98	98

508.1 508.2 508.3 508.4 508.5 508.6 508.7 508.8 0V2

450A5 /450.6

31	32	33	34	35	36	37	38	39	40
	Leveller Cassette Change Carriage Motor N°1 Horizontal Movement	Leveller Cassette Change carriage Motor N°2 Horizontal Movement	Entry Rollway N°1 Rotation	Entry Rollway N°2 Rotation	Entry Rollway N°3 Rotation	Entry Rollway N°4 Rotation	Entry Rollway N°5 Rotation	Exit Rollway N°1 Rotation	
	E7.0	E7.1	E7.2	E7.3	E7.4	E7.5	E7.6	E7.7	

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Follow 510

508.9 / 24V-L25 → 24V-L25

508.9 / 0V2 → 0V2

24V-L25 → 24V-L25 / 511.0

0V2 → 0V2 / 511.0

	232F3 /232.3	232F5 /232.5	232F7 /232.7	232F9 /232.8
97	510.1	510.2	510.3	510.4
98				

Xsc 7 — 510.5

Xsc 8 — 510.6

Xsc 9 — 510.7

Xsc 10 — 510.8

450A6 /450.7

1	2	3	4	5	6	7	8	9	10
	Exit Rollway N°2 Rotation	Exit Rollway N°3 Rotation	Exit Rollway N°4 Rotation	Exit Rollway N°5 Rotation	Spare	Spare	Spare	Spare	
	E8.0	E8.1	E8.2	E8.3	E8.4	E8.5	E8.6	E8.7	

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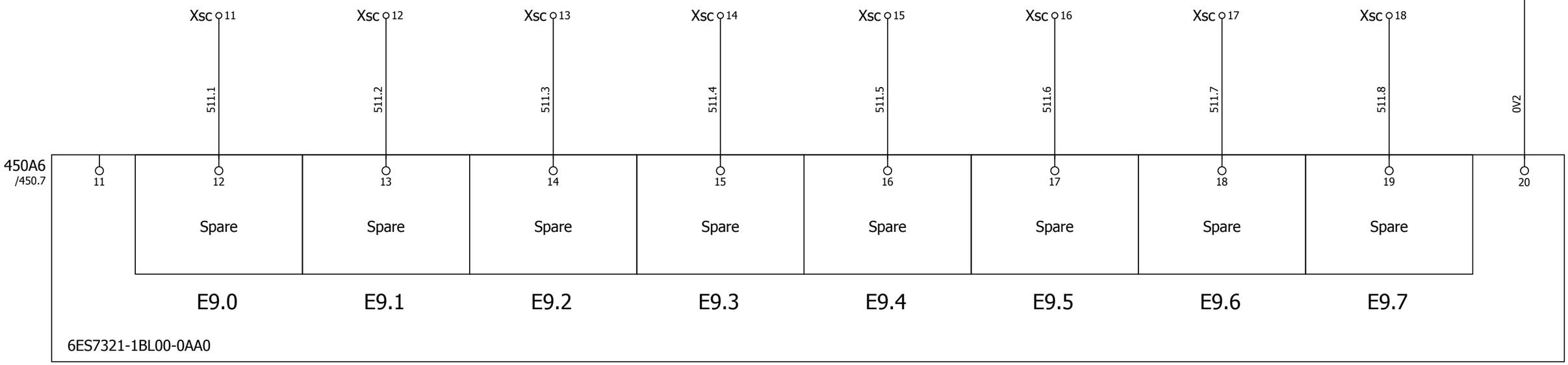
Follow 511

510.9 / 24V-L25 → 24V-L25

510.9 / 0V2 → 0V2

24V-L25 → 24V-L25 / 550.0

0V2 → 0V2 / 512.0



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Follow 512

490.9 / 24V-L26 → 24V-L26

511.9 / 0V2 → 0V2

24V-L26 → 24V-L26 / 513.0

0V2 → 0V2 / 513.0

XQ5.3 1 2

+JB00

	512B1	512B2	512B3S	512B3R	512B4S	512B4R	512B5	512B6	512B7	512B8
	B91.05.104	B91.05.105		B91.01.110		B91.01.111	B91.01.185	B91.01.116	B91.01.117	B91.01.118

XQ5.3 3 4 5 6 7 8 9 10

512.1 512.2 512.3 512.4 512.5 512.6 512.7 512.8

450A6 /450.7

21	22	23	24	25	26	27	28	29	30
	Leveller Rolls Cleaning Device Horizontal Movement Max. Operator Side	Leveller Rolls Cleaning Device Horizontal Movement Max. Motor Side	Leveller Material Detection Entry Side	Leveller Material Detection Exit Side	Leveller Gearbox Oil Lubrication Control	Leveller Screw N°1 Max. Up (Cassette Ø145 & Ø95)	Leveller Screw N°1 Max. Down (Cassette Ø145)	Leveller Screw N°1 Max. Down (Cassette Ø95)	
	E10.0	E10.1	E10.2	E10.3	E10.4	E10.5	E10.6	E10.7	

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+ Q01-Q05

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Page 512

Follow 513

512.9 / 24V-L26 → 24V-L26

512.9 / 0V2 → 0V2

24V-L26 → 24V-L26 / 515.0

0V2 → 0V2 / 515.0

XQ5.3 1 2

+JB00

513B1 B91.01.150 13/14	513B2 B91.01.151 13/14	513B3 B91.01.152 13/14	513B4 B91.01.153 13/14	513B5 B91.01.154 13/14	513B6 B91.01.155 13/14	513B7 B91.01.156 13/14	513B8 B91.01.157 13/14

XQ5.3 11	XQ5.3 12	XQ5.3 13	XQ5.3 14	XQ5.3 15	XQ5.3 16	XQ5.3 17	XQ5.3 18
513.1	513.2	513.3	513.4	513.5	513.6	513.7	513.8

450A6 /450.7

31	32	33	34	35	36	37	38	39	40
	Leveller Upper Table Entry Motor Side Locked	Leveller Upper Table Entry Operator Side Locked	Leveller Upper Table Exit Motor Side Locked	Leveller Upper Table Exit Operator Side Locked	Leveller Upper Table Entry Motor Side Unlocked	Leveller Upper Table Entry Operator Side Unlocked	Leveller Upper Table Exit Motor Side Unocked	Leveller Upper Table Exit Operator Side Unlocked	0V2
	E11.0	E11.1	E11.2	E11.3	E11.4	E11.5	E11.6	E11.7	

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+ **Q01-Q05**

Page **513**

Follow 515

513.9 / 24V-L26 → 24V-L26

513.9 / 0V2 → 0V2

24V-L26 → 24V-L26 / 516.0

0V2 → 0V2 / 516.0

XQ5.3 1 2

+JB00

	515B1	515B2	515B3	515B4	515B5	515B6	515B7	515B8
	13	13	13	13	13	13	13	13
	B91.01.160	B91.01.161	B91.01.162	B91.01.163	B91.01.164	B91.01.165	B91.01.166	B91.01.167
	14	14	14	14	14	14	14	14
XQ5.3	19	20	21	22	23	24	25	26
	515.1	515.2	515.3	515.4	515.5	515.6	515.7	515.8

450A7
/450.8

1	2	3	4	5	6	7	8	9	10
	Leveller Lower Table Entry Motor Side Locked	Leveller Lower Table Entry Operator Side Locked	Leveller Lower Table Exit Motor Side Locked	Leveller Lower Table Exit Operator Side Locked	Leveller Lower Table Entry Motor Side Unlocked	Leveller Lower Table Entry Operator Side Unlocked	Leveller Lower Table Exit Motor Side Unocked	Leveller Lower Table Exit Operator Side Unlocked	
	E12.0	E12.1	E12.2	E12.3	E12.4	E12.5	E12.6	E12.7	

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Page **515**
Follow 516

515.9 / 24V-L26 → 24V-L26

515.9 / 0V2 → 0V2

24V-L26 → 24V-L26 / 517.0

0V2 → 0V2 / 517.0

XQ5.3 1 2

+JB00

	516B3	516B4	516B5	516B6	516B7	516B8
	B91.01.171	B91.01.172	B91.04.103	B91.04.108	B91.04.109	B91.04.110
1	1	1	1	1	1	1
3	3	3	3	3	3	3
+	+	+	+	+	+	+
-	-	-	-	-	-	-
4	4	4	4	2	2	4

	XQ5.3 27	XQ5.3 28	XQ5.3 29	XQ5.3 30	XQ5.3 31	XQ5.3 32	XQ5.3 33	XQ5.3 34	
	516.1	516.2	516.3	516.4	516.5	516.6	516.7	516.8	0V2
450A7 /450.8	11	12	13	14	15	16	17	18	19	20
		Spare	Spare	Leveller Cassette Ø95 Detection	Leveller Cassette Ø145 Detection	Leveller Cassette Change Carriage Overtaking Detection	Leveller Cassette Change In Position A	Leveller Cassette Change In Position B	Leveller Cassette Change Slowdown	
		E13.0	E13.1	E13.2	E13.3	E13.4	E13.5	E13.6	E13.7	

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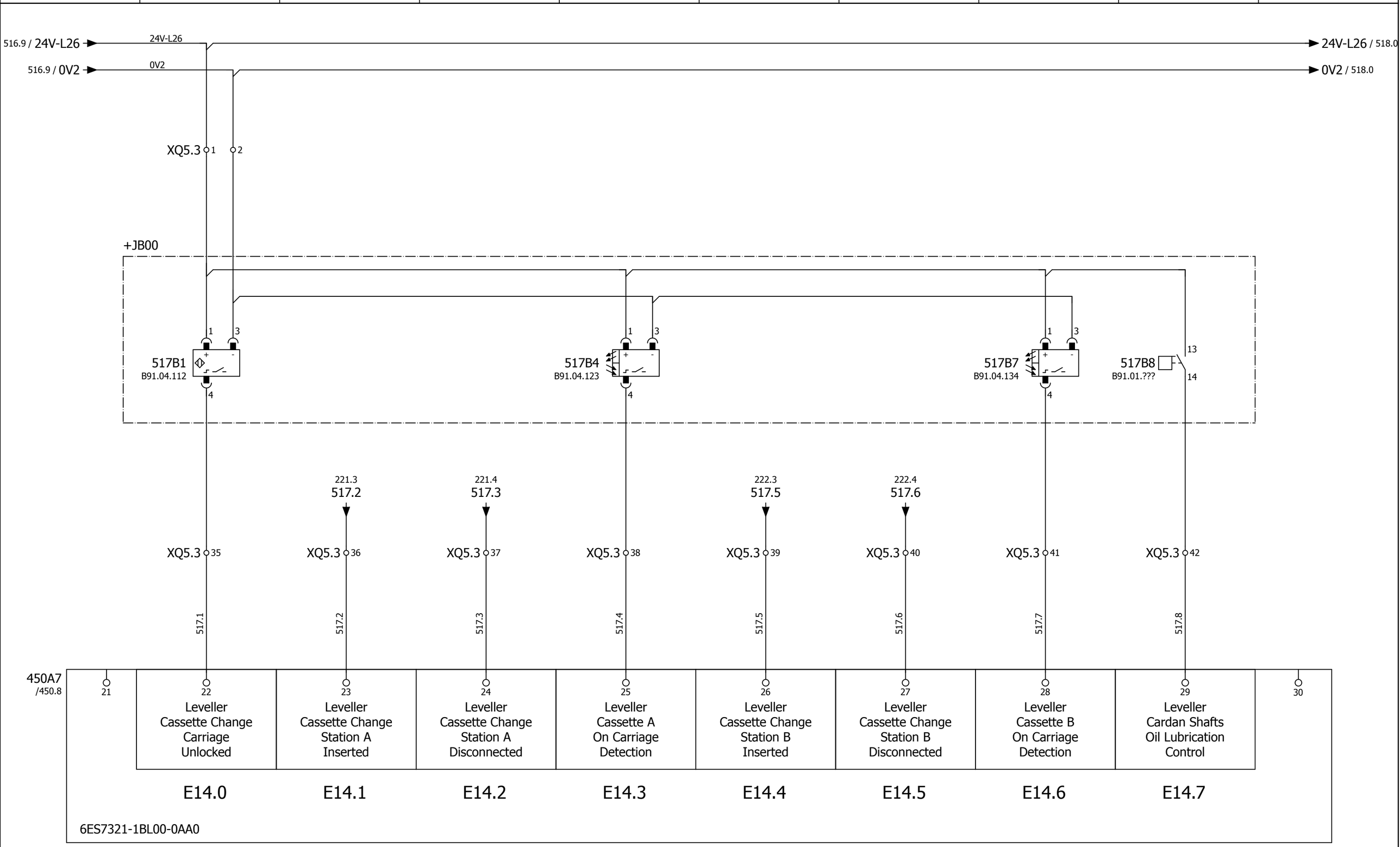
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+ Q01-Q05

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= Cabinet
+ **Q01-Q05**
Page **517**
Follow 518

517.9 / 24V-L26 → 24V-L26

517.9 / 0V2 → 0V2

24V-L26 / 520.0

0V2 / 520.0

XQ5.3 1 2

XQ5.3 1 2

+JB00

518B1 B91.01.175

518B2 B91.01.176

518B3 B91.01.177

518B4 B91.01.178

518B5 B91.01.179

518B7 B91.??.???

518B8 B91.??.???

XQ5.3 43 — 518.1

XQ5.3 44 — 518.2

XQ5.3 45 — 518.3

XQ5.3 46 — 518.4

XQ5.3 47 — 518.5

XQ5.3 48 — 518.6

XQ5.3 49 — 518.7

XQ5.3 50 — 518.8

0V2

450A7 /450.8

31	32	33	34	35	36	37	38	39	40
	Leveller Grease Distribution Level Control	Leveller Upper Table Operator Side Grease Distribution	Leveller Lower Table Operator Side Grease Distribution	Leveller Upper Table Motor Side Grease Distribution	Leveller Lower Table Motor Side Grease Distribution	Spare	Leveller Cassette Change In Position A Slowdown	Leveller Cassette Change In Position B Slowdown	
	E15.0	E15.1	E15.2	E15.3	E15.4	E15.5	E15.6	E15.7	

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Follow 520

0	1	2	3	4	5	6	7	8	9

518.9 / 24V-L26 → 24V-L26 → 24V-L26 / 521.0

518.9 / 0V2 → 0V2 → 0V2 / 521.0

221.5	221.6	221.7	222.5	222.6	222.7
520.1	520.2	520.3	520.4	520.5	520.6
XQ5.3 51	XQ5.3 52	XQ5.3 53	XQ5.3 54	XQ5.3 55	XQ5.3 56
520.1	520.2	520.3	520.4	520.5	520.6

XQ5.3 57 — 520.7

XQ5.3 58 — 520.8

450A8
/451.1

1	2	3	4	5	6	7	8	9	10
	Leveller Cassette Change Carriage Station A In	Leveller Cassette Change Carriage Station A Out	Leveller Cassette Change Carriage Station A Movement Enable	Leveller Cassette Change Carriage Station B In	Leveller Cassette Change Carriage Station B Out	Leveller Cassette Change Carriage Station B Movement Enable	Spare	Spare	
	E16.0	E16.1	E16.2	E16.3	E16.4	E16.5	E16.6	E16.7	

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+ **Q01-Q05**

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Follow 521

520.9 / 24V-L26 → 24V-L26

520.9 / 0V2 → 0V2

24V-L26 → 24V-L26 / 522.0

0V2 → 0V2 / 522.0

XQ5.3 1

+JB100

521B1 B91.30.112 — 11 / 12

521B2 B91.30.111 — 11 / 12

521B3 P B91.30.108 — 13 / 14

521B4 B91.30.113 — 13 / 14

XQ5.3 59 — 521.1

XQ5.3 60 — 521.2

XQ5.3 61 — 521.3

XQ5.3 62 — 521.4

XQ5.3 63 — 521.5

XQ5.3 64 — 521.6

XQ5.3 65 — 521.7

XQ5.3 66 — 521.8

0V2

450A8 /451.1

11	12	13	14	15	16	17	18	19	20
	Hydraulic Unit Temperature Control For Oil Cooling	Hydraulic Unit Temperature Control For Fan Insertion	Hydraulic Unit Oil Filter Pressure Control	Hydraulic Unit Min. Oil Level Control	Spare	Spare	Spare	Spare	
	E17.0	E17.1	E17.2	E17.3	E17.4	E17.5	E17.6	E17.7	

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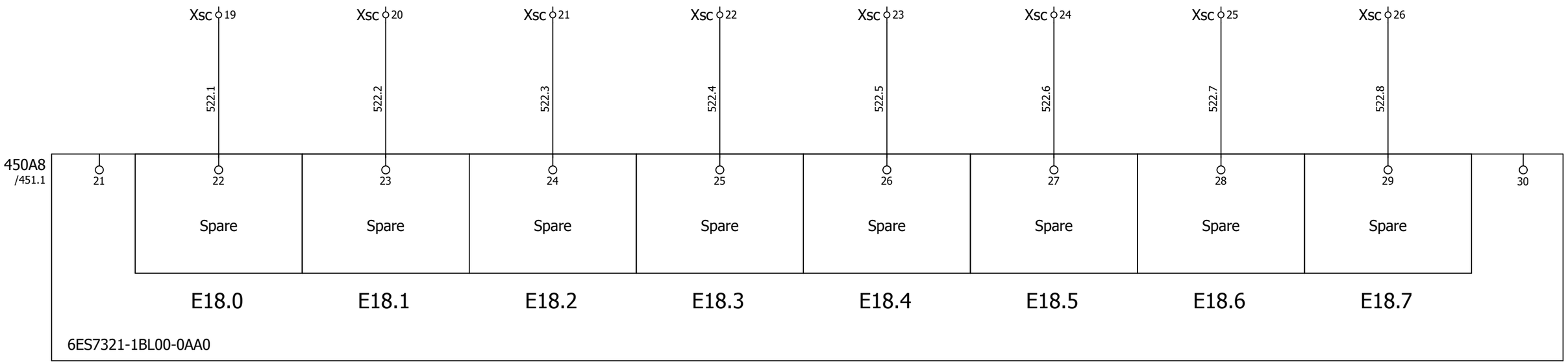
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Follow 522

0	1	2	3	4	5	6	7	8	9

521.9 / 24V-L26 → 24V-L26 → 24V-L26 / 523.0

521.9 / 0V2 → 0V2 → 0V2 / 523.0



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Follow 523

0	1	2	3	4	5	6	7	8	9

522.9 / 24V-L26 → 24V-L26

522.9 / 0V2 → 0V2

24V-L26 → 24V-L26 / 557.0

0V2 → 0V2 / 550.0

	Xsc		523.x		450A8 /451.1		
	27		523.1		31	32	Spare
	28		523.2			33	Spare
	29		523.3			34	Spare
	30		523.4			35	Spare
	31		523.5			36	Spare
	32		523.6			37	Spare
	33		523.7			38	Spare
	34		523.8			39	Spare
			0V2			40	
							E19.0 E19.1 E19.2 E19.3 E19.4 E19.5 E19.6 E19.7

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Follow 550

452A2
/452.2

6ES7322-1BL00-0AA0

A0.0	A0.1	A0.2	A0.3	A0.4	A0.5	A0.6	A0.7
Hydraulic Unit Pump Rotation	Hydraulic Unit Oil Recirculation Pump Rotation	Hydraulic Unit Oil Cooling Rotation	Leveller Rolls Rotation Motor Cooling Fan	Leveller Gearbox Oil Lubrication	Leveller Entry Pinch Roll Motor Cooling Fan	Leveller Exit Pinch Roll Motor Cooling Fan	Leveller Cardan Shafts Oil Lubrication

511.9
24V-L25

523.9
0V2

24V-L25
551.0

0V2
551.0

1 10 2 3 4 5 6 7 8 9

24V-L25
0V2

550.11 550.21 550.31 550.41 550.51 550.61 550.71 550.81

550K11 550K21 550K31 550K41 550K51 550K61 550K71 550K81

A2 A1

12 11 14

110-Z0 550.1 550.2 550.3 550.4 550.5 550.6 550.7 550.8

185.1 / 110-Z0 → 110-Z0 / 551.0

Xsc 35

550K1 550K2 550K3 550K4 550K5 550K6 550K7 550K8

A1
A2

193.3 / 110-N → 110-N / 551.0

SIE.3RT1036-1AF00	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02
1 2 /300.1	1 2 /300.3	1 2 /300.5	1 2 /302.1	1 2 /302.3	1 2 /312.1	1 2 /312.3	1 2 /302.5
3 4 /300.1	3 4 /300.3	3 4 /300.5	3 4 /302.1	3 4 /302.3	3 4 /312.1	3 4 /312.3	3 4 /302.5
5 6 /300.1	5 6 /300.3	5 6 /300.5	5 6 /302.1	5 6 /302.3	5 6 /312.1	5 6 /312.3	5 6 /302.5

Rev.	Descript.	Date	Name
01			

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Drawn	R.B.
Check	Phil
Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.: Digital Outputs Cabinet

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

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452A2
/452.2

6ES7322-1BL00-0AA0

A1.0	A1.1	A1.2	A1.3	A1.4	A1.5	A1.6	A1.7
Leveller Rolls Cleaning Device Horizontal Movement Motor Side	Leveller Rolls Cleaning Device Horizontal Movement Operator Side	Leveller Cassette Change Motor N°1 Horizontal Movement	Leveller Cassette Change Motor N°2 Horizontal Movement	Leveller Cassette Change Carriage Station A Movement	Leveller Cassette Change Carriage Station B Movement	Leveller Screw N°1 Vertical Movement Fast Up	Leveller Screw N°1 Vertical Movement Fast Down

550.0
24V-L25

550.0
0V2

24V-L25
552.0

0V2
552.0

11 20 12 13 14 15 16 17 18 19

24V-L25
0V2

551.11 551.21 551.31 551.41 551.51 551.61 551.71 551.81

551K11 551K21 551K31 551K41 551K51 551K61 551K71 551K81

A2 A1

12 11 14

110-Z0 551.1 110-Z0 551.2 110-Z0 551.3 110-Z0 551.4 110-Z0 551.5 110-Z0 551.6 110-Z0 551.7 110-Z0 551.8

550.9 / 110-Z0 → 110-Z0 / 552.0

551K2 /551.2 551K1 /551.1 551K6 /551.6 551K5 /551.5 551K8 /551.8 551K7 /551.7

21 22

551.12 551.22 551.52 551.62 551.72 551.82

A1 551K1 A2 A1 551K2 A2 A1 551K3 A2 A1 551K4 A2 A1 551K5 A2 A1 551K6 A2 A1 551K7 A2 A1 551K8 A2

550.9 / 110-N → 110-N / 552.0

SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2015-1AF02	SIE.3RT2026-1AF00	SIE.3RT2026-1AF00
1 2 /310.1	1 2 /310.2	1 2 /330.1	1 2 /330.3	1 2 /220.2	1 2 /220.4	1 2 /304.1	1 2 /304.2
3 4 /310.1	3 4 /310.2	3 4 /330.1	3 4 /330.3	3 4 /220.2	3 4 /220.4	3 4 /304.1	3 4 /304.2
5 6 /310.1	5 6 /310.2	5 6 /330.1	5 6 /330.3	5 6 /220.2	5 6 /220.4	5 6 /304.1	5 6 /304.2
21 22 /551.2	21 22 /551.1			21 22 /551.6	21 22 /551.5	21 22 /551.8	21 22 /551.7

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Outputs Cabinet	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 551
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452A2
/452.2

6ES7322-1BL00-0AA0

A2.0	A2.1	A2.2	A2.3	A2.4	A2.5	A2.6	A2.7
Leveller Screw N°1 Vertical Movement Fast	Leveller Screw N°1 Vertical Movement Slow Up	Leveller Screw N°1 Vertical Movement Slow Down	Leveller Screw N°1 Vertical Movement Brake	Leveller Screw N°2 Vertical Movement Fast Up	Leveller Screw N°2 Vertical Movement Fast Down	Leveller Screw N°2 Vertical Movement Fast	Leveller Screw N°2 Vertical Movement Slow Up
22	23	24	25	26	27	28	29

551.0
24V-L25
21 30

551.0
0V2

24V-L25
553.0

0V2
553.0

552.11 552.21 552.31 552.41 552.51 552.61 552.71 552.81

552K11 552K21 552K31 552K41 552K51 552K61 552K71 552K81
A2 A1
12 11 14

110-Z0 552.1 552.2 552.3 552.4 552.5 552.6 552.7 552.8

551.9 / 110-Z0 → 110-Z0 / 553.0

552K3 /552.3 — 21 22 — 552.22 — A1 552K1 A2
552K2 /552.2 — 21 22 — 552.32 — A1 552K2 A2
552K6 /552.6 — 21 22 — 552.52 — A1 552K3 A2
552K5 /552.5 — 21 22 — 552.62 — A1 552K4 A2
553K1 /553.1 — 21 22 — 552.82 — A1 552K5 A2
A1 552K6 A2
A1 552K7 A2
A1 552K8 A2

551.9 / 110-N → 110-N / 553.0

SIE.3RT2026-1AF00	SIE.3RT2026-1AF00	SIE.3RT2026-1AF00	SIE.3RT2015-1AF02	SIE.3RT2026-1AF00	SIE.3RT2026-1AF00	SIE.3RT2026-1AF00	SIE.3RT2026-1AF00
1 2 /304.5	1 2 /304.3	1 2 /304.4	1 2 /304.7	1 2 /305.1	1 2 /305.2	1 2 /305.5	1 2 /305.3
3 4 /304.5	3 4 /304.3	3 4 /304.4	3 4 /304.7	3 4 /305.1	3 4 /305.2	3 4 /305.5	3 4 /305.3
5 6 /304.5	5 6 /304.3	5 6 /304.4	5 6 /304.7	5 6 /305.1	5 6 /305.2	5 6 /305.5	5 6 /305.3
	21 22 /552.3	21 22 /552.2		21 22 /552.6	21 22 /552.5		21 22 /553.1

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NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Digital Outputs
Cabinet
Descript.

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

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452A2
/452.2

6ES7322-1BL00-0AA0

A3.0	A3.1	A3.2	A3.3	A3.4	A3.5	A3.6	A3.7
Leveller Screw N°2 Vertical Movement Slow Down	Leveller Screw N°2 Vertical Movement Brake	Leveller Screw N°3 Vertical Movement Fast Up	Leveller Screw N°3 Vertical Movement Fast Down	Leveller Screw N°3 Vertical Movement Fast	Leveller Screw N°3 Vertical Movement Slow Up	Leveller Screw N°3 Vertical Movement Slow Down	Leveller Screw N°3 Vertical Movement Brake
32	33	34	35	36	37	38	39

552.0
24V-L25
31 40

552.0
0V2

24V-L25
555.0

0V2
555.0

553.11 553.21 553.31 553.41 553.51 553.61 553.71 553.81

553K11 553K21 553K31 553K41 553K51 553K61 553K71 553K81
A2 A1
12 11 14

110-Z0 553.1 553.2 553.3 553.4 553.5 553.6 553.7 553.8

552.9 / 110-Z0 → 110-Z0 / 555.0

552K8 /552.8 — 553.12 — 553K1
553K4 /553.4 — 553.32 — 553K2
553K3 /553.3 — 553.42 — 553K3
553K7 /553.7 — 553.62 — 553K4
553K6 /553.6 — 553.72 — 553K5
553K6
553K7
553K8
21 22 A1 A2

552.9 / 110-N → 110-N / 555.0

SIE.3RT2026-1AF00	SIE.3RT2015-1AF02	SIE.3RT2026-1AF00	SIE.3RT2026-1AF00	SIE.3RT2026-1AF00	SIE.3RT2026-1AF00	SIE.3RT2026-1AF00	SIE.3RT2015-1AF02
1 2 /305.4	1 2 /305.7	1 2 /306.1	1 2 /306.2	1 2 /306.5	1 2 /306.3	1 2 /306.4	1 2 /306.7
3 4 /305.4	3 4 /305.7	3 4 /306.1	3 4 /306.2	3 4 /306.5	3 4 /306.3	3 4 /306.4	3 4 /306.7
5 6 /305.4	5 6 /305.7	5 6 /306.1	5 6 /306.2	5 6 /306.5	5 6 /306.3	5 6 /306.4	5 6 /306.7
21 22 /552.8		21 22 /553.4	21 22 /553.3		21 22 /553.7	21 22 /553.6	

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				Check	Phil		
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NOVASTILMEC S.p.A. Coil Processing Equipment

GA Tech SRL General Automation & Technology

Digital Outputs Cabinet

Descript.

Part Leveller - (China)

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= Cabinet
+ **Q01-Q05**

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452A3
/452.3

6ES7322-1BL00-0AA0

A4.0	A4.1	A4.2	A4.3	A4.4	A4.5	A4.6	A4.7
Leveller Screw N°4 Vertical Movement Fast Up	Leveller Screw N°4 Vertical Movement Fast Down	Leveller Screw N°4 Vertical Movement Fast	Leveller Screw N°4 Vertical Movement Slow Up	Leveller Screw N°4 Vertical Movement Slow Down	Leveller Screw N°4 Vertical Movement Brake	110Vac Auxiliaries Insertion	24Vdc Solenoid Valves Insertion
1 10	2	3	4	5	6	7	8	9

553.0
24V-L25

553.0
0V2

24V-L25
556.0

0V2
556.0

24V-L25
0V2

555.11 555.21 555.31 555.41 555.51 555.61 555.71 555.81

555K11 555K21 555K31 555K41 555K51 555K61 555K71 555K81

A2 A1

12 11 14

110-Z0 555.1 | 110-Z0 555.2 | 110-Z0 555.3 | 110-Z0 555.4 | 110-Z0 555.5 | 110-Z0 555.6 | 110-L4 555.7 | 110-L4 555.8

553.9 / 110-Z0 → 110-Z0 / 556.0

110.5 / 110-L4 → 110-L4 / 556.0

555K2 /555.2 — 555.12 — 555K1

555K1 /555.1 — 555.12 — 555K2

555K5 /555.5 — 555.42 — 555K3

555K4 /555.4 — 555.52 — 555K4

555K5 — 555K6 — 555K7 — 555K8

21 22 A1 A2

553.9 / 110-N → 110-N / +P01/800.1

SIE.3RT2026-1AF00
1 2 /307.1
3 4 /307.1
5 6 /307.1
21 22 /555.2

SIE.3RT2026-1AF00
1 2 /307.2
3 4 /307.2
5 6 /307.2
21 22 /555.1

SIE.3RT2026-1AF00
1 2 /307.5
3 4 /307.5
5 6 /307.5

SIE.3RT2026-1AF00
1 2 /307.3
3 4 /307.3
5 6 /307.3
21 22 /555.5

SIE.3RT2026-1AF00
1 2 /307.4
3 4 /307.4
5 6 /307.4
21 22 /555.4

SIE.3RT2015-1AF02
1 2 /307.7
3 4 /307.7
5 6 /307.7

SIE.3RT2017-1AF02
1 2 /185.1
3 4 /185.1
5 6 /185.1

SIE.3RT2018-1AF02
1 2 /188.1
3 4 /188.1
5 6 /188.1

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NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.: Digital Outputs Cabinet

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

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452A3
/452.3

6ES7322-1BL00-0AA0

A5.0	A5.1	A5.2	A5.3	A5.4	A5.5	A5.6	A5.7
Leveller Rolls Rotation Braking Module Inhibit	Spare	Spare	Spare	Spare	Spare	Spare	Spare

555.0
24V-L25

555.0
0V2

0V2
557.0

24V-L25

0V2

11 20 12 13 14 15 16 17 18 19

556.11 556.21 556.31 556.41 556.51 556.61 556.71 556.81

556K11 556K21 556K31 556K41 556K51 556K61 556K71 556K81

A2 A1

12 11 14

24V-L25 556.1

110-Z0 556.2 110-Z0 556.3 110-Z0 556.4 110-Z0 556.5 110-Z0 556.6 110-Z0 556.7 110-Z0 556.8

555.9 / 110-Z0

556.1
200.4

Xsc 36 Xsc 37 Xsc 38 Xsc 39 Xsc 40 Xsc 41 Xsc 42

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NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.: Digital Outputs Cabinet

Part Leveller - (China)

= Cabinet
+ **Q01-Q05**

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452A3
/452.3

6ES7322-1BL00-0AA0

A6.0	A6.1	A6.2	A6.3	A6.4	A6.5	A6.6	A6.7
Leveller Upper Table Vertical Movement Lock	Leveller Upper Table Vertical Movement Unlock	Leveller Lower Table Vertical Movement Lock	Leveller Lower Table Vertical Movement Unlock	Leveller Grease Distribution Pump	Spare	Leveller Entry Pinch Roll Up	Leveller Entry Pinch Roll Down

523.9
24V-L26

556.0
0V2

24V-L26
558.0

0V2
558.0

21 30 22 23 24 25 26 27 28 29

24V-L26
0V2

557.11 557.21 557.31 557.41 557.51 557.61 557.71 557.81

557K11 557K21 557K31 557K41 557K51 557K61 557K71 557K81

A2 A1

12 11 14

24V-Z0

557.1 557.2 557.3 557.4 557.5 557.6 557.7 557.8

188.1 / 24V-Z0

24V-Z0 / 558.0

XQ5.4 2 3 4 5 6 7 8 9

+JB00

557Y1	557Y2	557Y3	557Y4	557Y5	557Y7	557Y8
B91.01.149	B91.01.149	B91.01.159	B91.01.159	B91.01.174	B91.01.196	B91.01.196

A1 A2

0V3

XQ5.4 1

233.9 / 0V3

0V3

0V3 / 558.0

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452A3
/452.3

6ES7322-1BL00-0AA0

A7.0	A7.1	A7.2	A7.3	A7.4	A7.5	A7.6	A7.7
Leveller Exit Pinch Roll Up	Leveller Exit Pinch Roll Down	Leveller Cassette Change Carriage Lock	Leveller Cassette Change Carriage Unlock	Spare	Spare	Spare	Spare

557.0
24V-L26

557.0
0V2

24V-L26
560.0

0V2
560.0

31 40 32 33 34 35 36 37 38 39

24V-L26
0V2

558.11 558.21 558.31 558.41 558.51 558.61 558.71 558.81

558K11	558K21	558K31	558K41	558K51	558K61	558K71	558K81

A2 A1

12 11 14

24V-Z0 558.1 | 24V-Z0 558.2 | 24V-Z0 558.3 | 24V-Z0 558.4 | 24V-Z0 558.5 | 24V-Z0 558.6 | 24V-Z0 558.7 | 24V-Z0 558.8

557.9 / 24V-Z0 → 24V-Z0 / 560.0

XQ5.4 10 XQ5.4 11 XQ5.4 12 XQ5.4 13 XQ5.4 14 XQ5.4 15 XQ5.4 16 XQ5.4 17

+JB00

558Y1	558Y2	558Y3	558Y4
B91.01.207	B91.01.207	B91.04.111	B91.04.111

A1 A2

0V3

XQ5.4 1

557.9 / 0V3 → 0V3 / 560.0

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452A4
/452.4

6ES7322-1BL00-0AA0

A8.0	A8.1	A8.2	A8.3	A8.4	A8.5	A8.6	A8.7
Hydraulic Unit Oil Pressure By-Pass	Spare	Spare	Spare	Spare	Spare	Spare	Spare

558.0
24V-L26

558.0
0V2

24V-L26
561.0

0V2
561.0

1	10	2	3	4	5	6	7	8	9

24V-L26
0V2

560.11 560.21 560.31 560.41 560.51 560.61 560.71 560.81

560K11 560K21 560K31 560K41 560K51 560K61 560K71 560K81

A2 A1

12 11 14

24V-Z0

560.1 560.2 560.3 560.4 560.5 560.6 560.7 560.8

558.9 / 24V-Z0 → 24V-Z0 / +E01/1000.1

XQ5.4 18 19 20 21 22 23 24 25

+JB100

560Y1
B91.30.108
A1
A2

0V3

XQ5.4 1

558.9 / 0V3 → 0V3 / +E01/1000.1

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				Drawn	R.B.					+ Q01-Q05
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452A4
/452.4

6ES7322-1BL00-0AA0

A9.0	A9.1	A9.2	A9.3	A9.4	A9.5	A9.6	A9.7
Machine Status Acoustic Indicator Entry Side	Machine Status Red Light Indicator Entry Side	Machine Status Yellow Light Indicator Entry Side	Machine Status Green Light Indicator Entry Side	Spare	Machine Status Red Light Indicator Exit Side	Machine Status Yellow Light Indicator Exit Side	Machine Status Green Light Indicator Exit Side

560.0
24V-L26

560.0
0V2

24V-L26
0V2

24V-L26
562.0

0V2
562.0

11 20 12 13 14 15 16 17 18 19

561.11 561.21 561.31 561.41 561.51 561.61 561.71 561.81

561K11 561K21 561K31 561K41 561K51 561K61 561K71 561K81

A2 A1

12 11 14

24V-L26 561.1 24V-L26 561.2 24V-L26 561.3 24V-L26 561.4 24V-L26 561.5 24V-L26 561.6 24V-L26 561.7 24V-L26 561.8

XQ5.2 2 XQ5.2 3 XQ5.2 4 XQ5.2 5 XQ5.2 6 XQ5.2 7 XQ5.2 8 XQ5.2 9

+EXT

-561H1
B91.00.107

Red Yellow Green

+EXT

-561H6
B91.00.108

Red Yellow Green

0V2

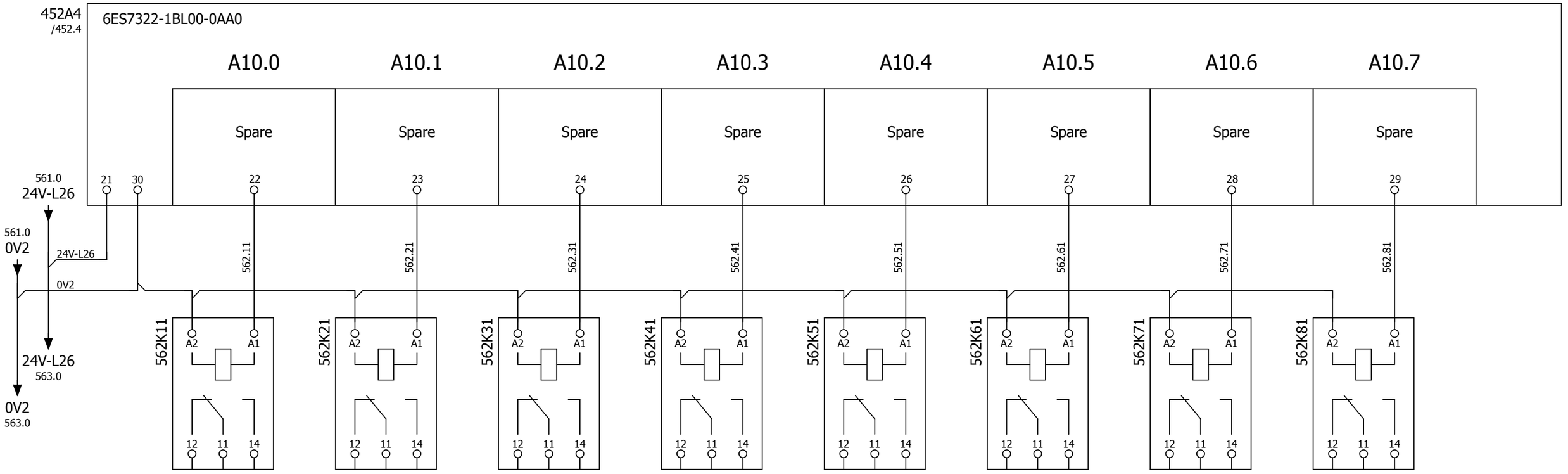
XQ5.2 1

0V2

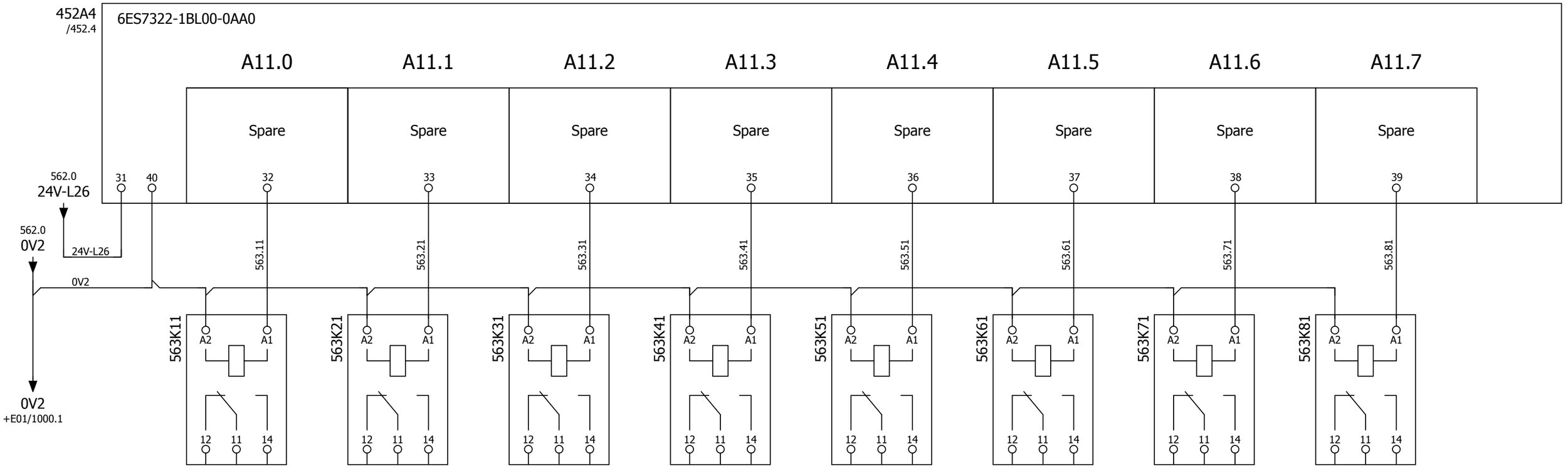
XQ5.2 1

0V2

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Outputs Field	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ Q01-Q05
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page 561
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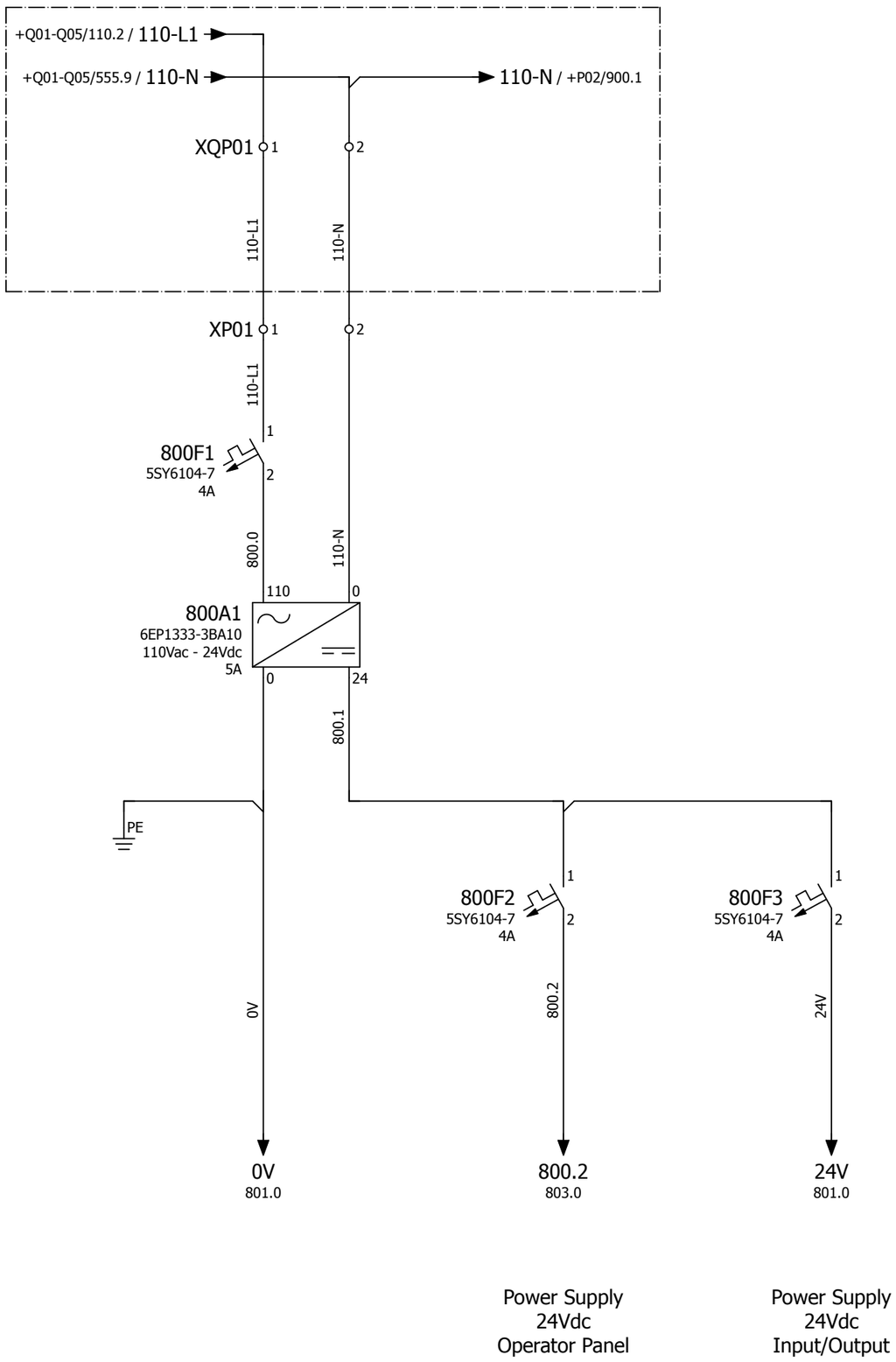


01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Outputs Field	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **Q01-Q05**
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				Drawn	R.B.				
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+Q01-Q05



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				Drawn	R.B.					+ **P01**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **800**
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+Q01-Q05/470.7 / PNET-5 → PNET-5

PNET-5a → PNET-5a / 803.1

801A0	801A1	801A2 /805.0	801A3 /806.0	801A4 /807.0	801A5 /808.0	801A6 /835.0
SIEMENS ET 200S MAC ADD. DC24V 1L+ 1M 2L+ 2M P1 P2 X1 PROFINET (LAN)	PM-E DC24..48V AC24..230V SF PWR FSG 6ES7138-4CA01-0AA0 AUX1	8 DI DC 24V ST 1 2 3 4 5 6 7 8 6ES7131-4BF00-0AA0	8 DI DC 24V ST 1 2 3 4 5 6 7 8 6ES7131-4BF00-0AA0	8 DI DC 24V ST 1 2 3 4 5 6 7 8 6ES7131-4BF00-0AA0	8 DI DC 24V ST 1 2 3 4 5 6 7 8 6ES7131-4BF00-0AA0	8 DO DC24V 0,5A ST 1 2 3 4 5 6 7 8 6ES7132-4BF00-0AA0
	IM 151-3 PN STANDARD SF BF MT ON P1 P2 LINK PUSH 6ES7151-3AA23-0AB0					

2 3

24V 0V 24V 0V

800.3 / 24V → 24V / 805.0

800.1 / 0V → 0V / 803.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	PLC ET200S Desk P01
				Drawn	R.B.			Descript.
				Check	Phil			
Rev.	Descript.	Date	Name	Original				

Part Leveller - (China)	= Cabinet	
	+ **P01**	
Dwg.Nr. QE0091 - 2018	Page	**801**
	Follow	803

801.2 / PNET-5a → PNET-5a

803A1

SIEMENS

SIMATIC HMI

TOUCH

6AV2124-0MC01-0AX0
Simatic HMI TP 1200 Comfort

800.2

0V

24Vdc

800.2 / 800.2 →

801.9 / 0V →

→ 0V / 835.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Operator Panel Desk P01	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P01**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **803**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 805

801.9 / 24V → 24V / 806.0

24V

805S1 E
White
1 2

805S2 F
1 - 0 - 2 RC
Long Handle
1 2 3 4

805S4 F
1 - 0 - 2 RC
Short Handle
1 2 3 4

805S6 E
White
1 2
x1 x2
/835.1

805S7 F
1 - 0 - 2 RC
Long Handle
1 2 3 4

24V

805.1 805.2 805.3 805.4 805.5 805.6 805.7 805.8

801A2
/801.3

1	5	2	6	3	7	4	8
Entry Rollways Sheets Centering	Entry Rollways Rolls Rotation Backward	Entry Rollways Rolls Rotation Forward	Leveller Entry Pinch Roll Up	Leveller Entry Pinch Roll Down	Entry Rollways + Leveller Rolls Rotation Coupling On/Off	Leveller Rolls Rotation Backward	Leveller Rolls Rotation Forward
E120.0	E120.1	E120.2	E120.3	E120.4	E120.5	E120.6	E120.7

6ES7131-4BF00-0BA0

Rev.	Descript.	Date	Name
01			

Date	08/2018
Drawn	R.B.
Check	Phil
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA Tech SRL General Automation & Technology

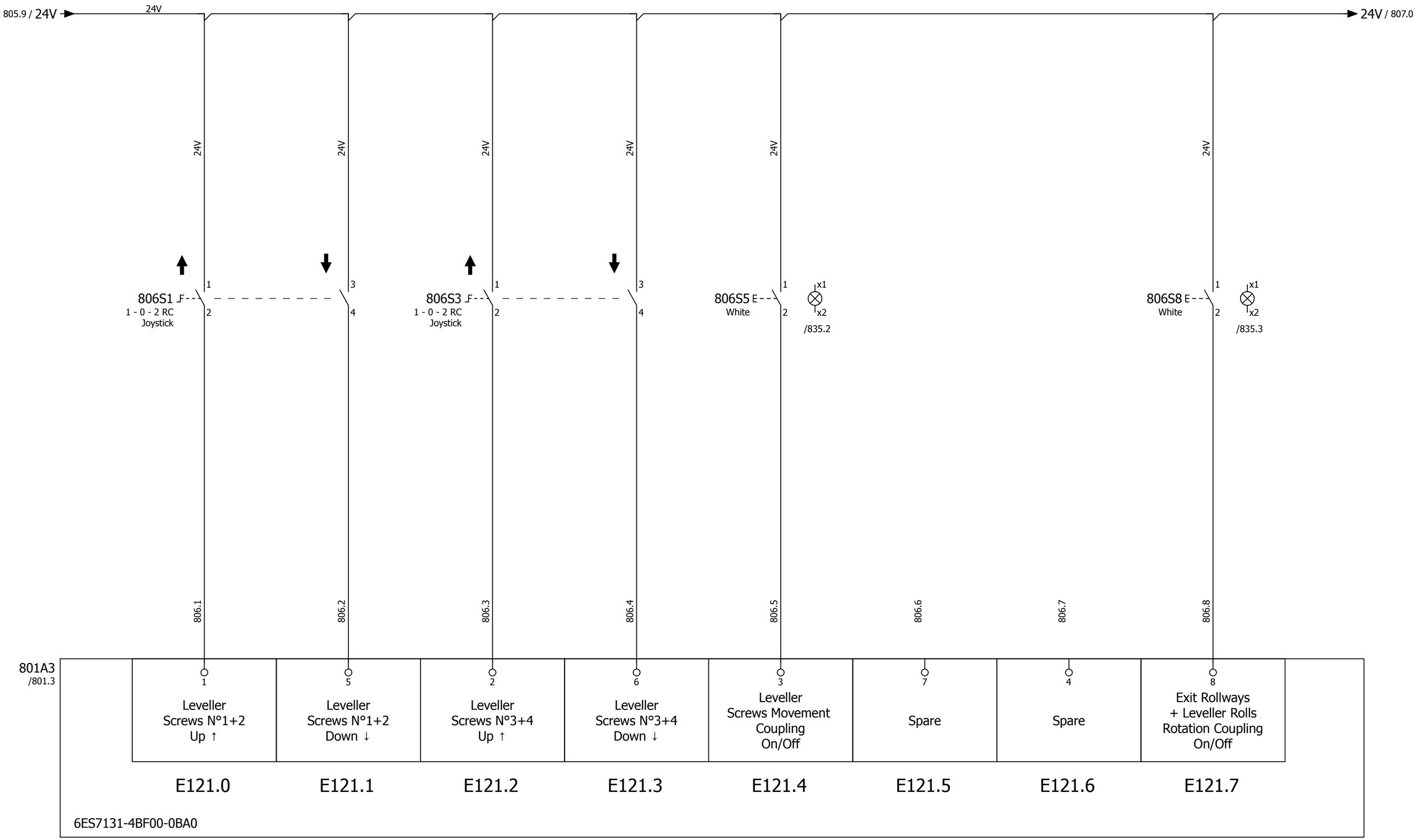
Descript.: Digital Input Desk P01

Part Leveller - (China)

= Cabinet
+ **P01**

Dwg.Nr. QE0091 - 2018

Page **805**
Follow 806



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Input Desk P01	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P01**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **806**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 807

806.9 / 24V

24V

807S1 F
1 - 0 - 2 RC
Short Handle
1 2 3 4

807S3 E
White
1 2

807S4 F
1 - 0 - 2 RC
Long Handle
1 2 3 4

155S1
+Q01-Q05/155.1
5 6

807S7
0 - 1 ST
1 2

807S8 E
White
1 2 x1 x2
/835.4

24V / 808.0

807.1 807.2 807.3 807.4 807.5 807.6 807.7 807.8

801A4
/801.3

1	5	2	6	3	7	4	8
Leveller Exit Pinch Roll Up	Leveller Exit Pinch Roll Down	Exit Rollways Sheets Centering	Exit Rollways Rolls Rotation Backward	Exit Rollways Rolls Rotation Forward	Emergency Push-Button Desk P01	Auxiliary Equipment Enable	Controls Start
E122.0	E122.1	E122.2	E122.3	E122.4	E122.5	E122.6	E122.7

6ES7131-4BF00-0BA0

Rev.	Descript.	Date	Name
01			

Date	08/2018
Drawn	R.B.
Check	Phil
Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.: Digital Input Desk P01

Part Leveller - (China)

= Cabinet
+ **P01**

Dwg.Nr. QE0091 - 2018

Page **807**
Follow 808

807.9 / 24V

24V

24V

3

160S2
+Q01-Q05/160.2

4

808.1 | 808.2 | 808.3 | 808.4 | 808.5 | 808.6 | 808.7 | 808.8

801A5
/801.4

1	5	2	6	3	7	4	8
Emergency Stop Restore	Spare	Spare	Spare	Spare	Spare	Spare	Spare
E123.0	E123.1	E123.2	E123.3	E123.4	E123.5	E123.6	E123.7

6ES7131-4BF00-0BA0

Rev.	Descript.	Date	Name			
01				Date	08/2018	
				Drawn	R.B.	
				Check	Phil	
				Original		

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.: Digital Input Desk P01

Part Leveller - (China)

= Cabinet
+ **P01**

Dwg.Nr. QE0091 - 2018

Page **808**
Follow 835

801A6
/801.4

6ES7132-4BF00-0AA0

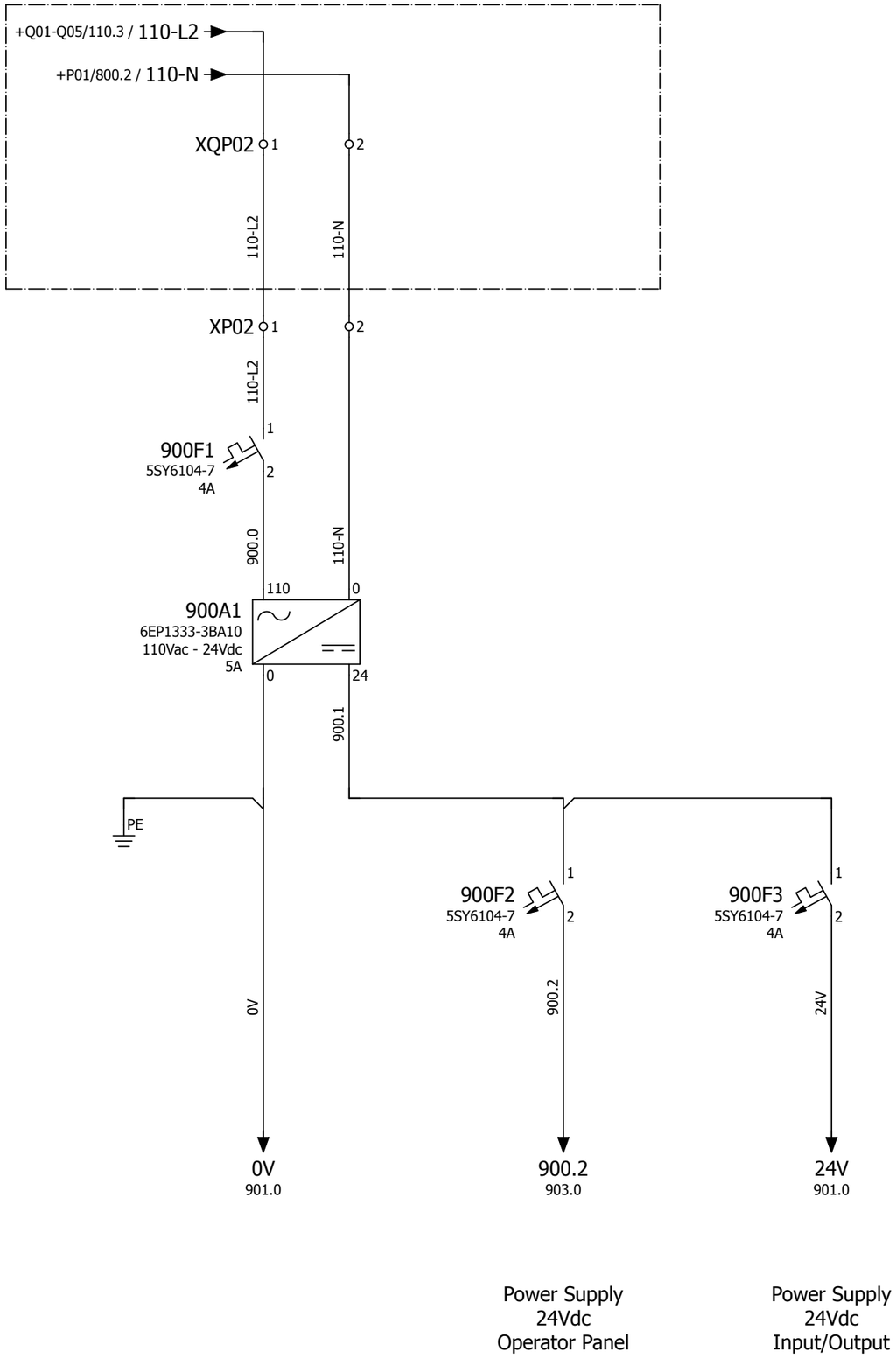
A120.0	A120.1	A120.2	A120.3	A120.4	A120.5	A120.6	A120.7
Entry Rollways + Leveller Rolls Rotation Coupling On/Off	Leveller Screws Movement Coupling On/Off	Exit Rollways + Leveller Rolls Rotation Coupling On/Off	Controls Start	Emergency Stop Restore	Spare	Spare	Spare
1	5	2	6	3	7	4	8
835.1	835.2	835.3	835.4	835.5	835.6	835.7	835.8

805S6	806S5	806S8	807S8	160S2
/805.6	/806.5	/806.8	/807.8	+Q01-Q05/160.2
White	White	White	White	Blue
x1	x1	x1	x1	x1
x2	x2	x2	x2	x2
0V	0V	0V	0V	0V

803.9 / 0V

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Output Desk P01	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P01**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **835**
Rev.	Descript.	Date	Name	Original				Descript.		Follow +P02/900

+Q01-Q05



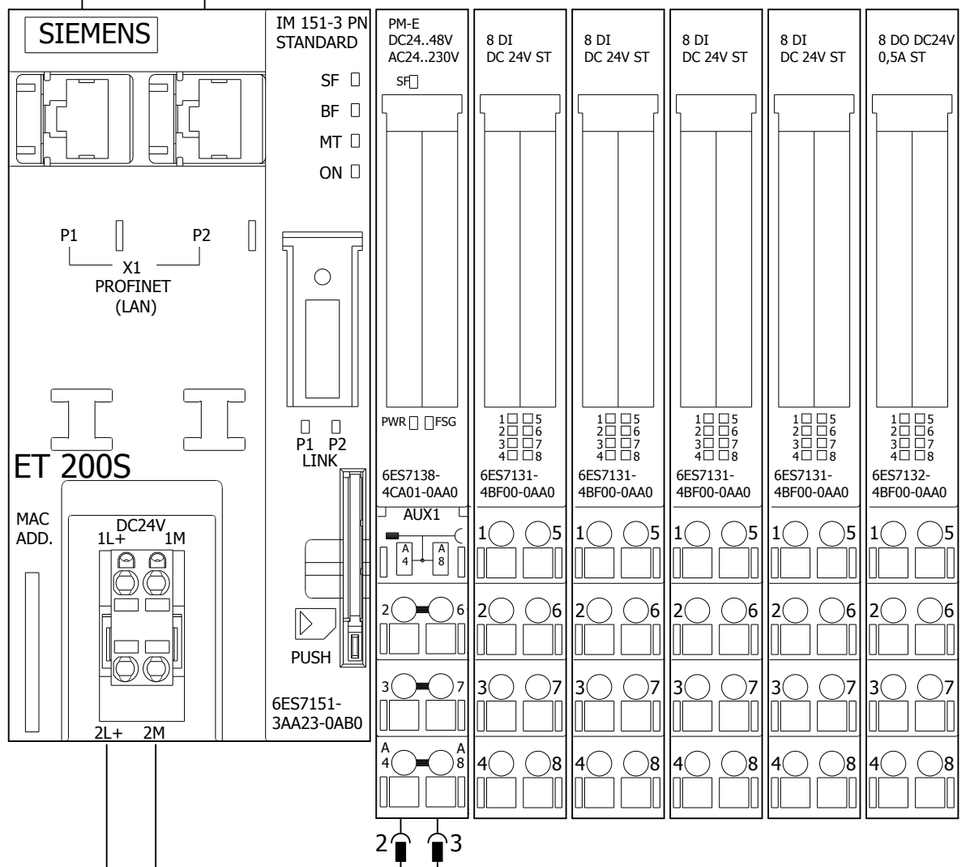
Power Supply
24Vdc
Operator Panel

Power Supply
24Vdc
Input/Output

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Supply Desk P02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **900**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 901

+Q01-Q05/470.7 / PNET-6 → PNET-6

PNET-6a → PNET-6a / 903.1



900.3 / 24V

900.1 / 0V

24V / 905.0

0V / 903.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	PLC ET200S Desk P02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **901**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 903

901.2 / PNET-6a → PNET-6a

903A1

SIEMENS

SIMATIC HMI

TOUCH

6AV2124-0MC01-0AX0
Simatic HMI TP 1200 Comfort

900.2

0V

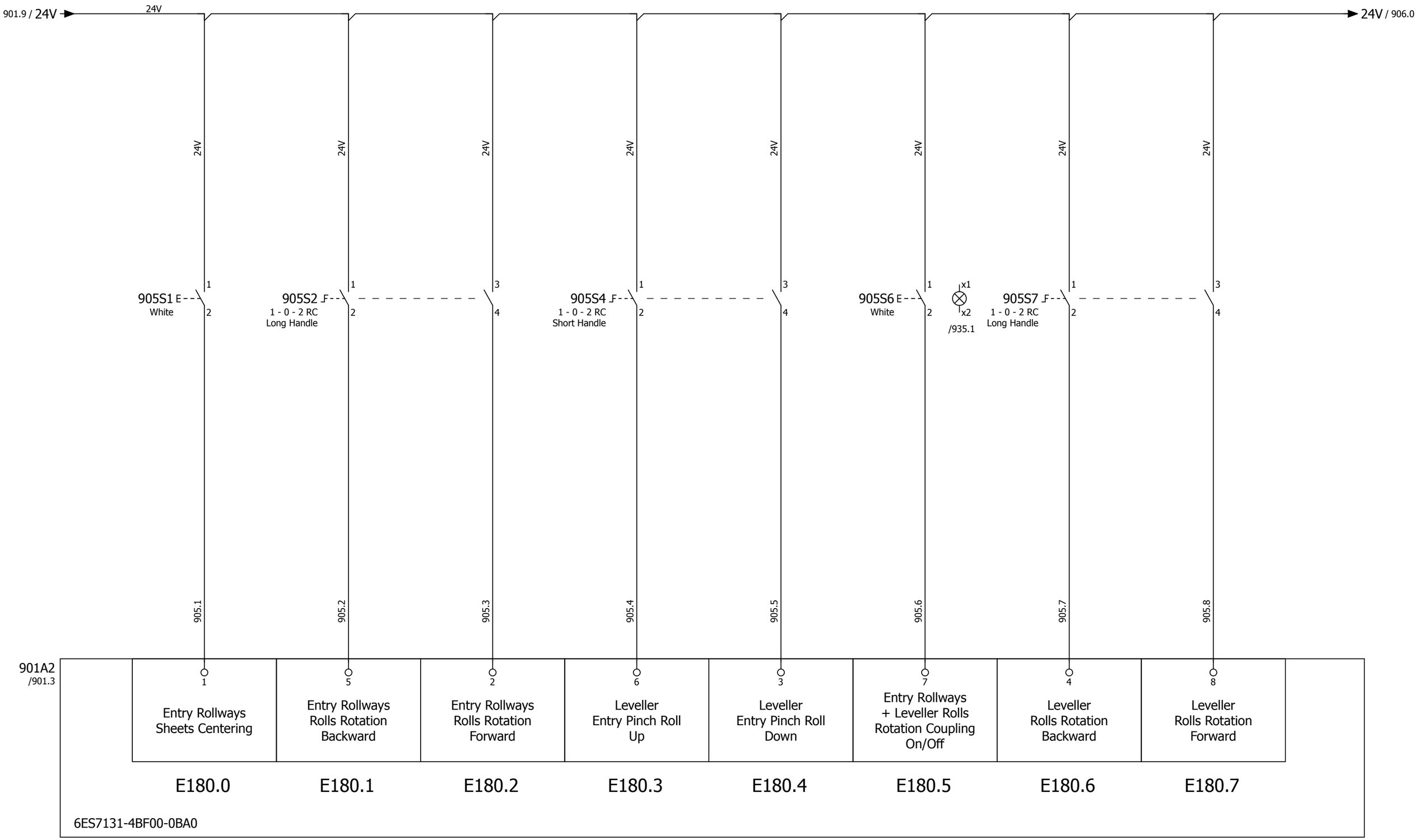
24Vdc

900.2 / 900.2 →

901.9 / 0V →

→ 0V / 935.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Operator Panel Desk P02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **903**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 905



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Input Desk P02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **905**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 906

905.9 / 24V

24V

24V

24V

24V

24V

24V

24V

24V / 907.0

906S1
1 - 0 - 2 RC
Joystick

906S3
1 - 0 - 2 RC
Joystick

906S5
White
x1
x2
/935.2

906S8
White
x1
x2
/935.3

906.1

906.2

906.3

906.4

906.5

906.6

906.7

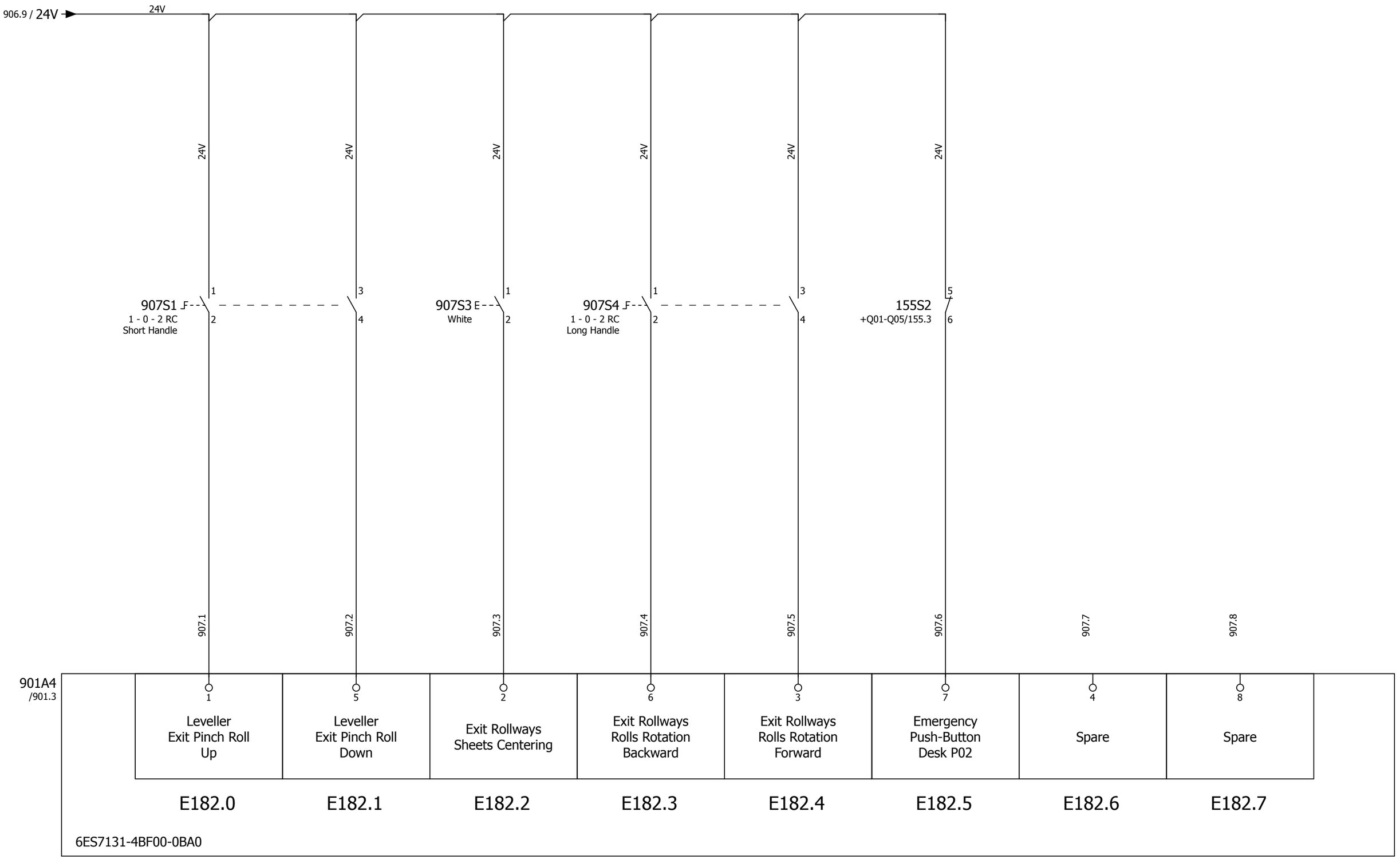
906.8

901A3
/901.3

1	5	2	6	3	7	4	8
Leveller Screws N°1+2 Up ↑	Leveller Screws N°1+2 Down ↓	Leveller Screws N°3+4 Up ↑	Leveller Screws N°3+4 Down ↓	Leveller Screws Movement Coupling On/Off	Spare	Spare	Exit Rollways + Leveller Rolls Rotation Coupling On/Off
E181.0	E181.1	E181.2	E181.3	E181.4	E181.5	E181.6	E181.7

6ES7131-4BF00-0BA0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Input Desk P02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **906**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 907



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.: Digital Input Desk P02

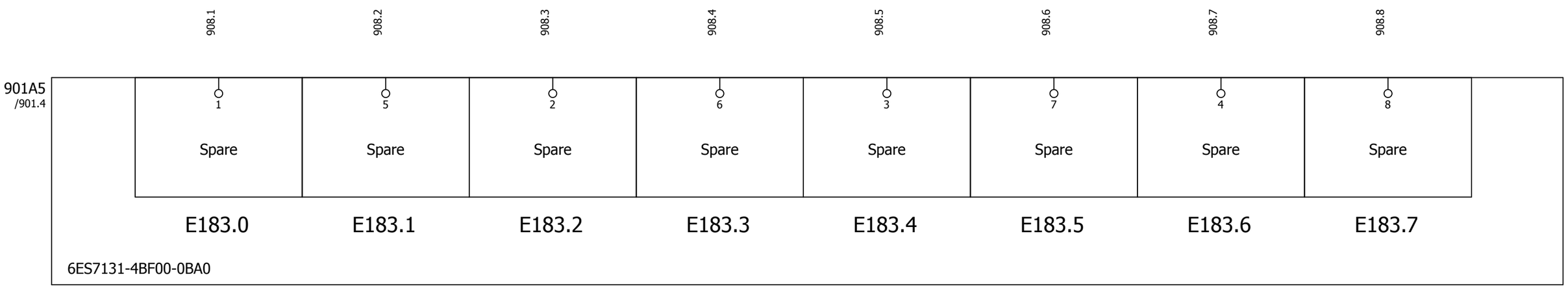
Part Leveller - (China)

= Cabinet
+ **P02**

Dwg.Nr. QE0091 - 2018

Page **907**
Follow 908

0	1	2	3	4	5	6	7	8	9



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Input Desk P02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **908**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 935

901A6
/901.4

6ES7132-4BF00-0AA0

A180.0	A180.1	A180.2	A180.3	A180.4	A180.5	A180.6	A180.7
Entry Rollways + Leveller Rolls Rotation Coupling On/Off	Leveller Screws Movement Coupling On/Off	Exit Rollways + Leveller Rolls Rotation Coupling On/Off	Spare	Spare	Spare	Spare	Spare
1	5	2	6	3	7	4	8
935.1	935.2	935.3	935.4	935.5	935.6	935.7	935.8

905S6 /905.6 White x1 x2

906S5 /906.5 White x1 x2

906S8 /906.8 White x1 x2

0V

0V

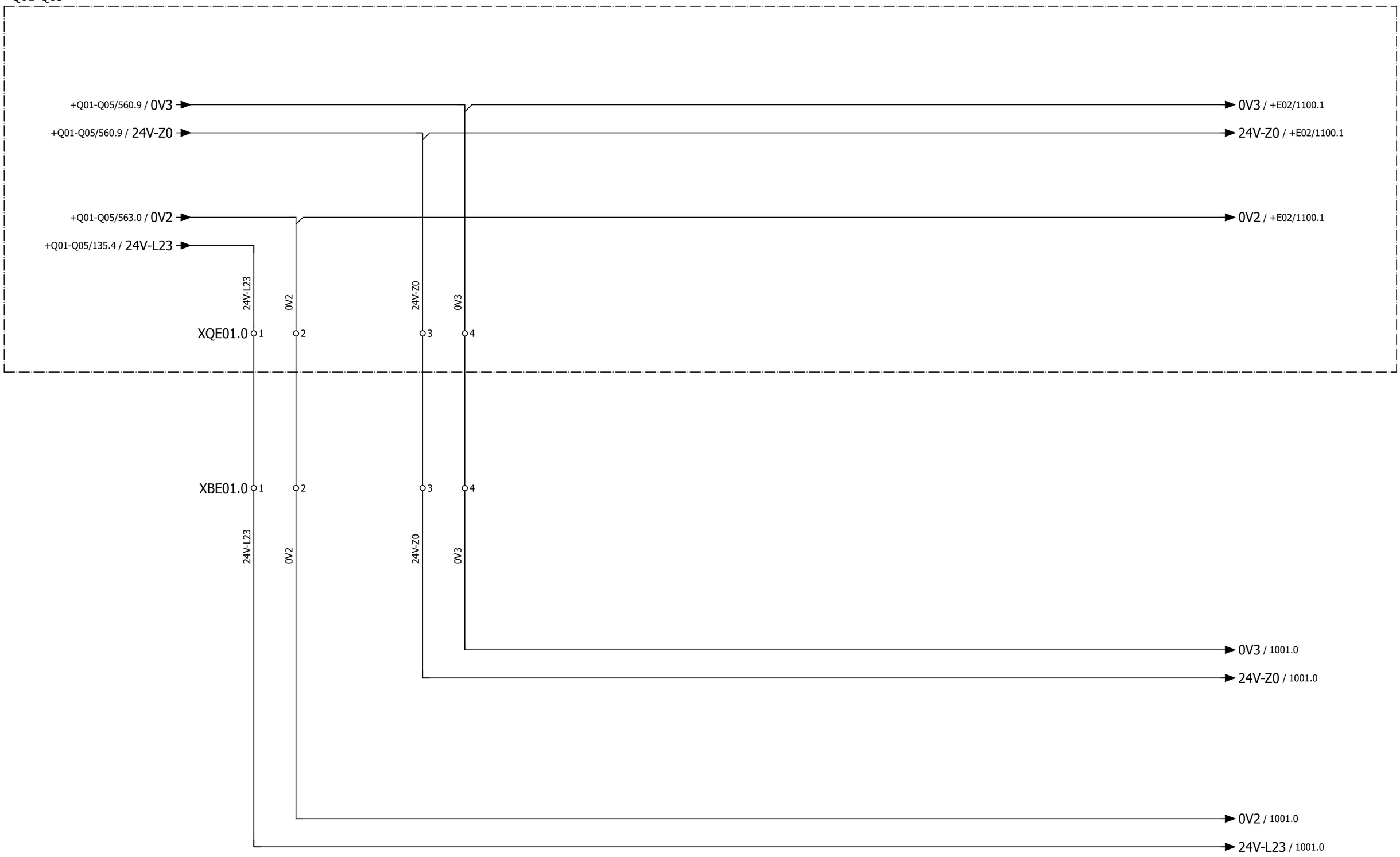
0V

903.9 / 0V

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Output Desk P02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **P02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **935**
Rev.	Descript.	Date	Name	Original				Descript.		Follow +E01/1000

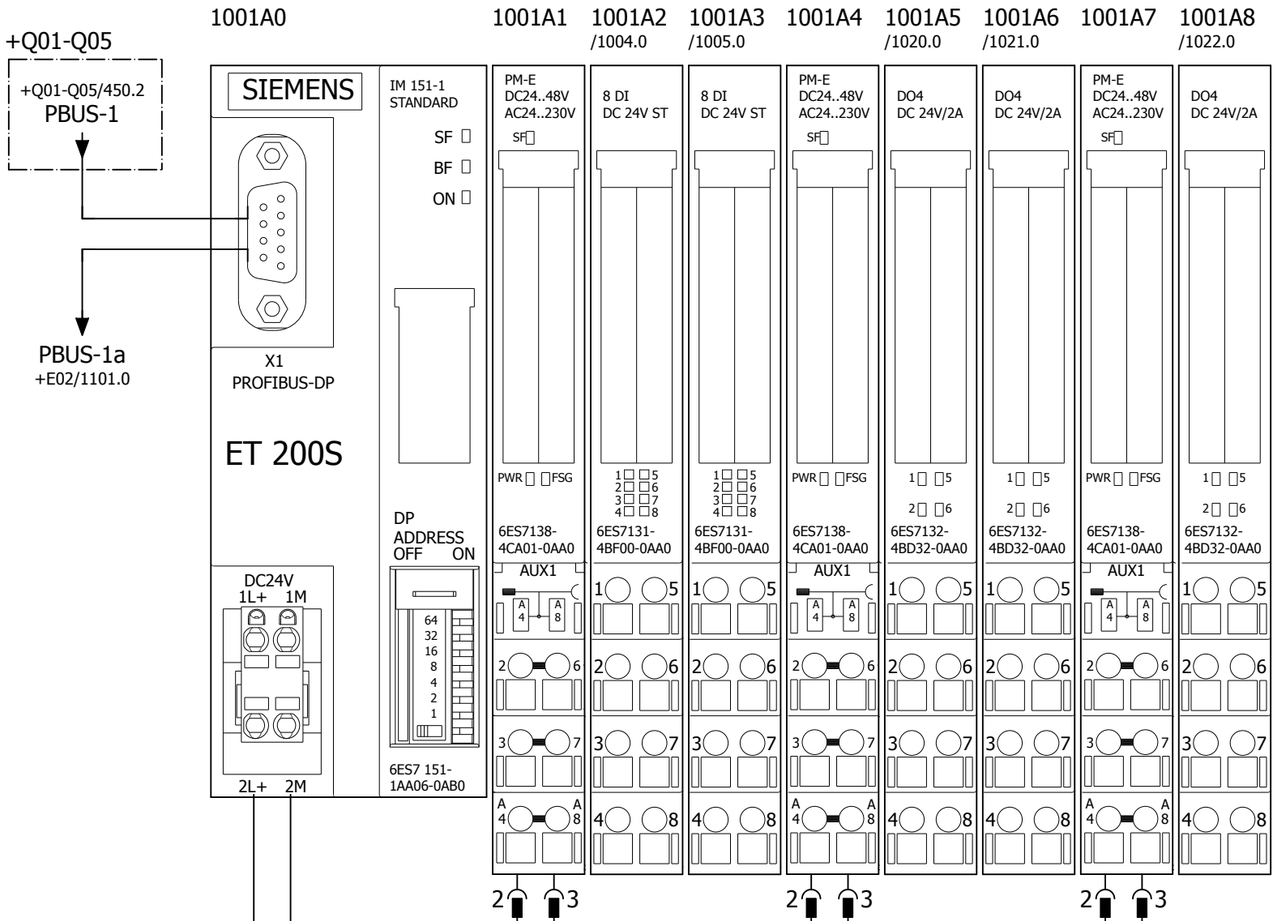
0	1	2	3	4	5	6	7	8	9

+Q01-Q05



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Supply Entry Rollerways Box E01	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **E01**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **1000**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 1001

0	1	2	3	4	5	6	7	8	9



Rev.	Descript.	Date	Name		
01				Date	08/2018
				Drawn	R.B.
				Check	Phil
				Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

PLC ET200S
Entry Rollerways Box E01
Descript.

Part Leveller - (China)

= Cabinet
+ **E01**

Dwg.Nr.
QE0091 - 2018

Page **1001**
Follow 1004

1001.9 / 24V-L23 → 24V-L23

1001.9 / 0V2 → 0V2

24V-L23 / 1050.0

0V2 / 1050.0

XBE01.1 1 2 — 24V-L23 / 0V2

Customer Supply

+EXT

1004B1	B91.06.116	1 3 / 4
1004B2	B91.06.121	1 3 / 4
1004B3	B91.06.126	1 3 / 4
1004B4	B91.06.131	1 3 / 4
1004B5	B91.06.136	1 3 / 4
1004B6	B91.06.139	1 2 / 3

XBE01.1 3 4 5 6 7 8 9 10 — 1004.1 1004.2 1004.3 1004.4 1004.5 1004.6 1004.7 1004.8

1001A2
/1001.2

	1	5	2	6	3	7	4	8
	Entry Rollerways Centering Rolls N°1 Max. Opened	Entry Rollerways Centering Rolls N°2 Max. Opened	Entry Rollerways Centering Rolls N°3 Max. Opened	Entry Rollerways Centering Rolls N°4 Max. Opened	Entry Rollerways Centering Rolls N°5 Max. Opened	Entry Rollerways Sheet Overrun	Spare	Spare
	E220.0	E220.1	E220.2	E220.3	E220.4	E220.5	E220.6	E220.7

6ES7131-4BF00-0AA0

01			Date	08/2018	
			Drawn	R.B.	
			Check	Phil	
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA Tech SRL General Automation & Technology

Descript.: Digital Inputs
Entry Rollerways Box E01

Part Leveller - (China)

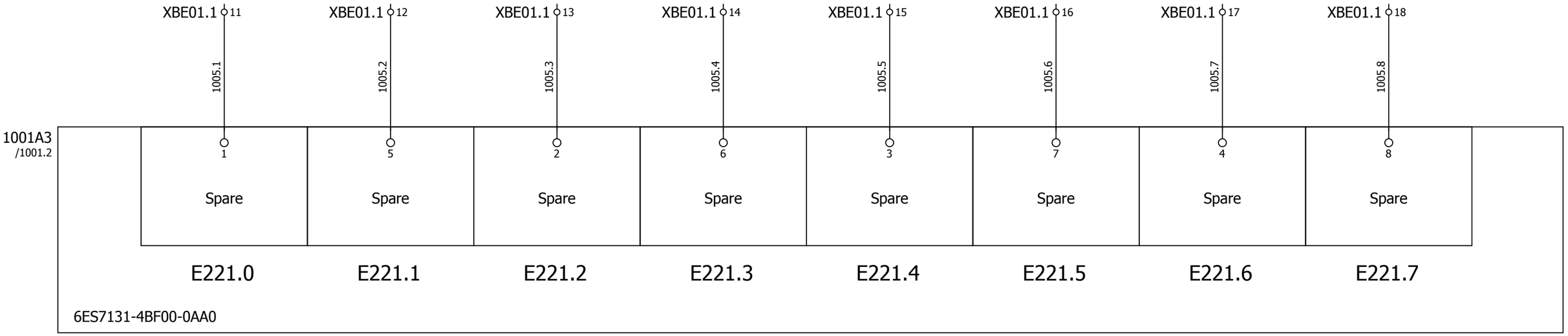
= Cabinet
+ **E01**

Dwg.Nr. QE0091 - 2018

Page **1004**

Follow 1005

0	1	2	3	4	5	6	7	8	9



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.
Digital Inputs
Entry Rollerways Box E01

Part Leveller - (China)

= Cabinet
+ **E01**

Dwg.Nr.
QE0091 - 2018

Page **1005**
Follow 1020

1001A5
/1001.3

6ES7132-4BD32-0AA0

A220.0	A220.1	A220.2	A220.3
Entry Rollerways Centering Rolls N°1 Open	Entry Rollerways Centering Rolls N°1 Close	Entry Rollerways Centering Rolls N°2 Open	Entry Rollerways Centering Rolls N°2 Close
1	5	2	6
1020.1	1020.3	1020.6	1020.8
XBE01.2 2	XBE01.2 3	XBE01.2 4	XBE01.2 5
1020.1	1020.3	1020.6	1020.8

Customer Supply

+EXT

1020Y1	1020Y3	1020Y6	1020Y8
B91.06.114	B91.06.114	B91.06.119	B91.06.119
A1 / A2	A1 / A2	A1 / A2	A1 / A2

0V3	0V3	0V3	0V3
XBE01.2 1	XBE01.2 1	XBE01.2 1	XBE01.2 1

1001.9 / 0V3 → 0V3

0V3 → 0V3 / 1021.0

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Descript.
Digital Outputs
Entry Rollerways Box E01

Part Leveller - (China)

= Cabinet
+ **E01**

Dwg.Nr.
QE0091 - 2018

Page **1020**
Follow 1021

1001A6
/1001.4

6ES7132-4BD32-0AA0

A220.4	A220.5	A220.6	A220.7
Entry Rollerways Centering Rolls N°3 Open	Entry Rollerways Centering Rolls N°3 Close	Entry Rollerways Centering Rolls N°4 Open	Entry Rollerways Centering Rolls N°4 Close
1	5	2	6
1021.1	1021.3	1021.6	1021.8
XBE01.2 6	XBE01.2 7	XBE01.2 8	XBE01.2 9
1021.1	1021.3	1021.6	1021.8

Customer Supply

+EXT

1021Y1	1021Y3	1021Y6	1021Y8
B91.06.124	B91.06.124	B91.06.129	B91.06.129
A1 / A2	A1 / A2	A1 / A2	A1 / A2

0V3	0V3	0V3	0V3
XBE01.2 1	XBE01.2 1	XBE01.2 1	XBE01.2 1

1020.9 / 0V3 → 0V3

0V3 → 0V3 / 1022.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Outputs Entry Rollerways Box E01	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **E01**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **1021**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 1022

1001A8
/1001.4

6ES7132-4BD32-0AA0

A221.0	A221.1	A221.2	A221.3
Entry Rollerways Centering Rolls N°5 Open	Entry Rollerways Centering Rolls N°5 Close	Spare	Spare
1	5	2	6
1022.1	1022.3	1022.6	1022.8
XBE01.2 10	XBE01.2 11	XBE01.2 12	XBE01.2 13
1022.1	1022.3		

Customer Supply

+EXT

1022Y1
B91.06.134
A1
A2

1022Y3
B91.06.134
A1
A2

0V3 — XBE01.2 1

0V3 — XBE01.2 1

1021.9 / 0V3 → 0V3

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Outputs Entry Rollerways Box E01	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **E01**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **1022**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 1050

+Q01-Q05/470.7 / PNET-8 → PNET-8

PNET-8a → +EXT-PNET-8a / +Q01-Q05/480.3

Customer Supply

+EXT

Entry Rollerways
Centering Rolls N°5
Position Control

1050B5
B91.06.135

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

Entry Rollerways
Centering Rolls N°3
Position Control

1050B2
B91.06.125

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

Entry Rollerways
Centering Rolls N°1
Position Control

1050B0
B91.06.115

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

1050A4
BNI PNT-508-105-Z015

LK1 LK2
IP
SN
GW
255
3 2 1 0
Power Out
Power In
US1 US2 SF BF AL1 LNK1 LNK2
0 1 2 3 4 5 6 7
5 4 2 1

24V-L23
0V2

XBE01.3 1 2

24Vdc
1004.9 / 24V-L23
1004.9 / 0V2

Customer Supply

+EXT

Entry Rollerways
Centering Rolls N°2
Position Control

1050B1
B91.06.120

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

Entry Rollerways
Centering Rolls N°4
Position Control

1050B3
B91.06.130

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

I/O Link Sensors
Entry Rollerways Box E01
Descript.

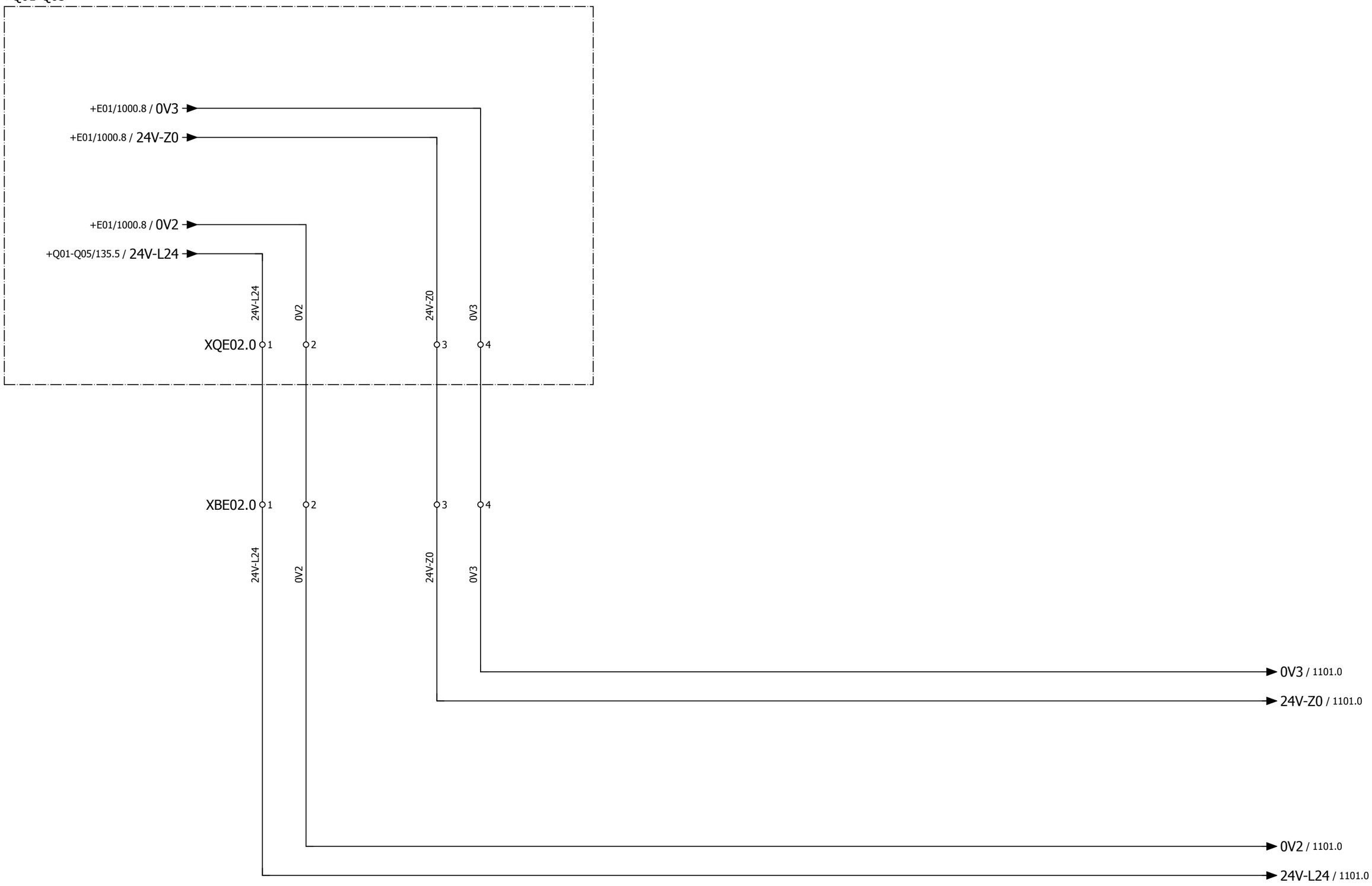
Part Leveller - (China)

= Cabinet
+ **E01**

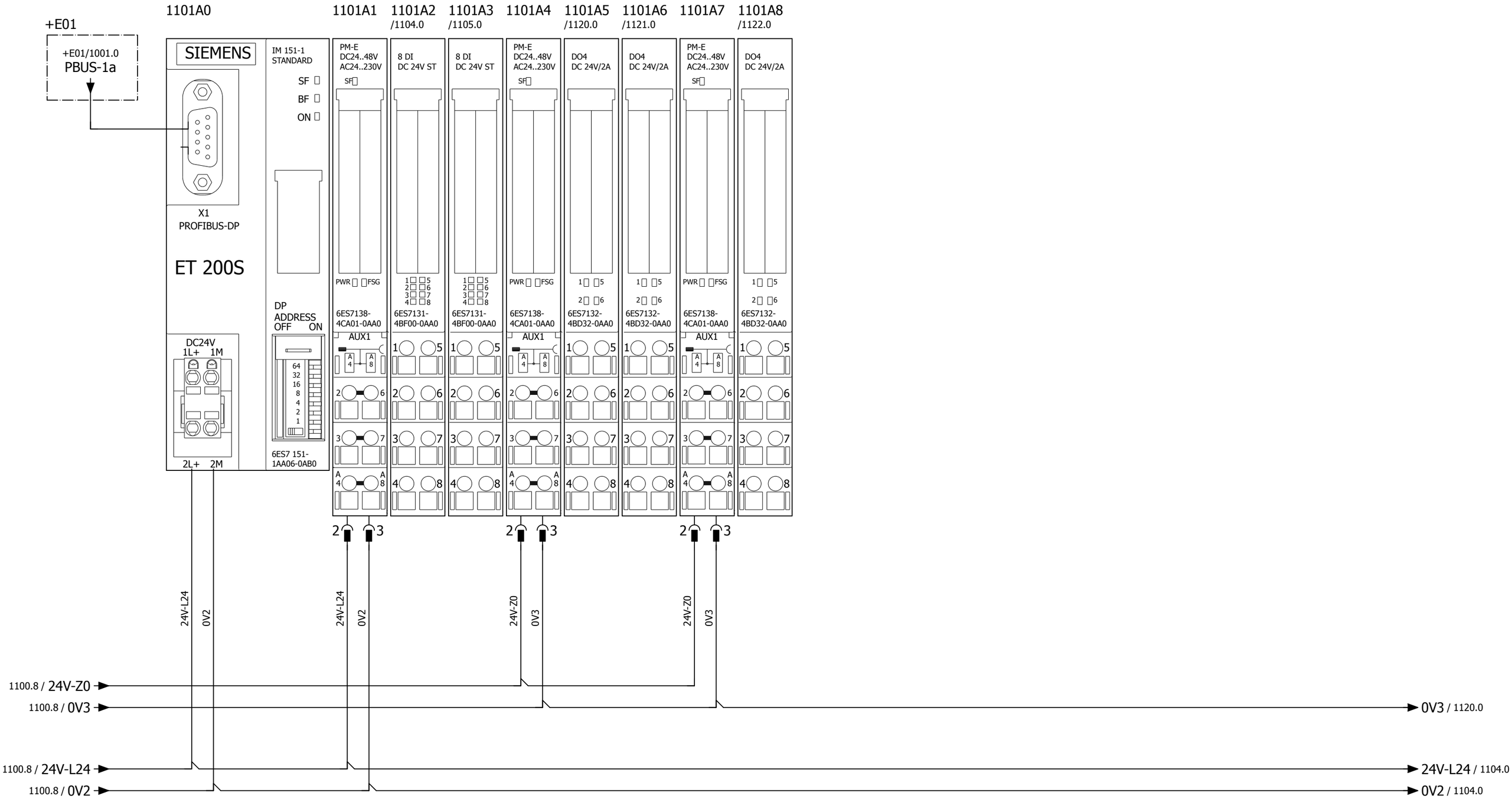
Dwg.Nr.
QE0091 - 2018

Page **1050**
Follow +E02/1100

+Q01-Q05



01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Power Supply Exit Rollerways Box E02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **E02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **1100**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 1101



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

PLC ET200S
Exit Rollerways Box E02
Descript.

Part Leveller - (China)

= Cabinet
+ **E02**

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Follow 1104

1101.9 / 24V-L24 → 24V-L24

1101.9 / 0V2 → 0V2

24V-L24 / 1150.0

0V2 / 1150.0

XBE02.1 1 2 — 24V-L24 / 0V2

Customer Supply

+EXT

1104B1	B91.07.117	1 3 / 4
1104B2	B91.07.122	1 3 / 4
1104B3	B91.07.127	1 3 / 4
1104B4	B91.07.132	1 3 / 4
1104B5	B91.07.137	1 3 / 4
1104B6	B91.07.139	1 2 / 3

XBE02.1 3 4 5 6 7 8 9 10 — 1104.1 1104.2 1104.3 1104.4 1104.5 1104.6 1104.7 1104.8

1101A2 /1101.2

1	5	2	6	3	7	4	8
Exit Rollerways Centering Rolls N°1 Max. Opened	Exit Rollerways Centering Rolls N°2 Max. Opened	Exit Rollerways Centering Rolls N°3 Max. Opened	Exit Rollerways Centering Rolls N°4 Max. Opened	Exit Rollerways Centering Rolls N°5 Max. Opened	Exit Rollerways Sheet Overrun	Spare	Spare
E250.0	E250.1	E250.2	E250.3	E250.4	E250.5	E250.6	E250.7

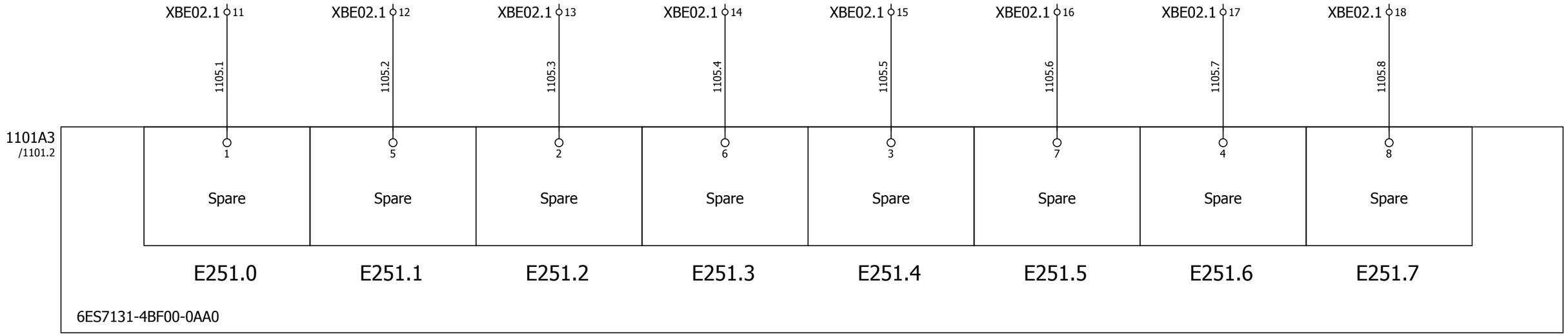
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01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Inputs Exit Rollerways Box E02	Part Leveller - (China)
				Drawn	R.B.				= Cabinet
				Check	Phil				+ **E02**
Rev.	Descript.	Date	Name	Original			Descript.		Dwg.Nr. QE0091 - 2018

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Follow 1105

0	1	2	3	4	5	6	7	8	9



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Digital Inputs
Exit Rollerways Box E02
Descript.

Part Leveller - (China)

= Cabinet
+ **E02**

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QE0091 - 2018

Page **1105**
Follow 1120

1101A5
/1101.3

6ES7132-4BD32-0AA0

A250.0	A250.1	A250.2	A250.3
Exit Rollerways Centering Rolls N°1 Open	Exit Rollerways Centering Rolls N°1 Close	Exit Rollerways Centering Rolls N°2 Open	Exit Rollerways Centering Rolls N°2 Close
1	5	2	6
1120.1	1120.3	1120.6	1120.8
XBE02.2 2	XBE02.2 3	XBE02.2 4	XBE02.2 5
1120.1	1120.3	1120.6	1120.8

Customer Supply

+EXT

1120Y1	1120Y3	1120Y6	1120Y8
B91.07.114	B91.07.114	B91.07.119	B91.07.119
A1 / A2	A1 / A2	A1 / A2	A1 / A2

0V3	0V3	0V3	0V3
XBE02.2 1	XBE02.2 1	XBE02.2 1	XBE02.2 1

1101.9 / 0V3 → 0V3

0V3 → 0V3 / 1121.0

01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Digital Outputs
Exit Rollerways Box E02
Descript.

Part Leveller - (China)

= Cabinet
+ **E02**

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Follow 1121

1101A6
/1101.4

6ES7132-4BD32-0AA0

A250.4	A250.5	A250.6	A250.7
Exit Rollerways Centering Rolls N°3 Open	Exit Rollerways Centering Rolls N°3 Close	Exit Rollerways Centering Rolls N°4 Open	Exit Rollerways Centering Rolls N°4 Close
1	5	2	6
1121.1	1121.3	1121.6	1121.8
XBE02.2 6	XBE02.2 7	XBE02.2 8	XBE02.2 9
1121.1	1121.3	1121.6	1121.8

Customer Supply

+EXT

1121Y1	1121Y3	1121Y6	1121Y8
B91.07.124	B91.07.124	B91.07.129	B91.07.129
A1 / A2	A1 / A2	A1 / A2	A1 / A2

0V3	0V3	0V3	0V3
XBE02.2 1	XBE02.2 1	XBE02.2 1	XBE02.2 1

1120.9 / 0V3 → 0V3

0V3 → 0V3 / 1122.0

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Outputs Exit Rollerways Box E02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **E02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **1121**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 1122

1101A8
/1101.4

6ES7132-4BD32-0AA0

A251.0	A251.1	A251.2	A251.3
Exit Rollerways Centering Rolls N°5 Open	Exit Rollerways Centering Rolls N°5 Close	Spare	Spare
1	5	2	6
1122.1	1122.3	1122.6	1122.8
XBE02.2 10	XBE02.2 11	XBE02.2 12	XBE02.2 13
1122.1	1122.3		

Customer Supply

+EXT

1122Y1
B91.07.134
A1
A2

1122Y3
B91.07.134
A1
A2

0V3

XBE02.2 1

XBE02.2 1

0V3

1121.9 / 0V3 → 0V3

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	Digital Outputs Exit Rollerways Box E02	Part Leveller - (China)	= Cabinet
				Drawn	R.B.					+ **E02**
				Check	Phil				Dwg.Nr. QE0091 - 2018	Page **1122**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 1150

+Q01-Q05/480.7 / PNET-8b → PNET-8b

Customer Supply

+EXT

Exit Rollerways
Centering Rolls N°5
Position Control

1150B5
B91.07.135

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

Exit Rollerways
Centering Rolls N°3
Position Control

1150B2
B91.07.125

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

Exit Rollerways
Centering Rolls N°1
Position Control

1150B0
B91.07.115

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

1150A4
BNI PNT-508-105-Z015

LK1 LK2
IP
SN
GW
255
3 2 1 0
Power Out
Power In
US1 US2 SF BF AL1 LNK1 LNK2
0 1 2 3 4 5 6 7
CE
5 4 2 1

Customer Supply

+EXT

Exit Rollerways
Centering Rolls N°2
Position Control

1150B1
B91.07.120

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

Exit Rollerways
Centering Rolls N°4
Position Control

1150B3
B91.07.130

SICK
DL35-B15552
Distance Laser Sensor
I/O Link

+ OUT COM
1 2 3 4 5

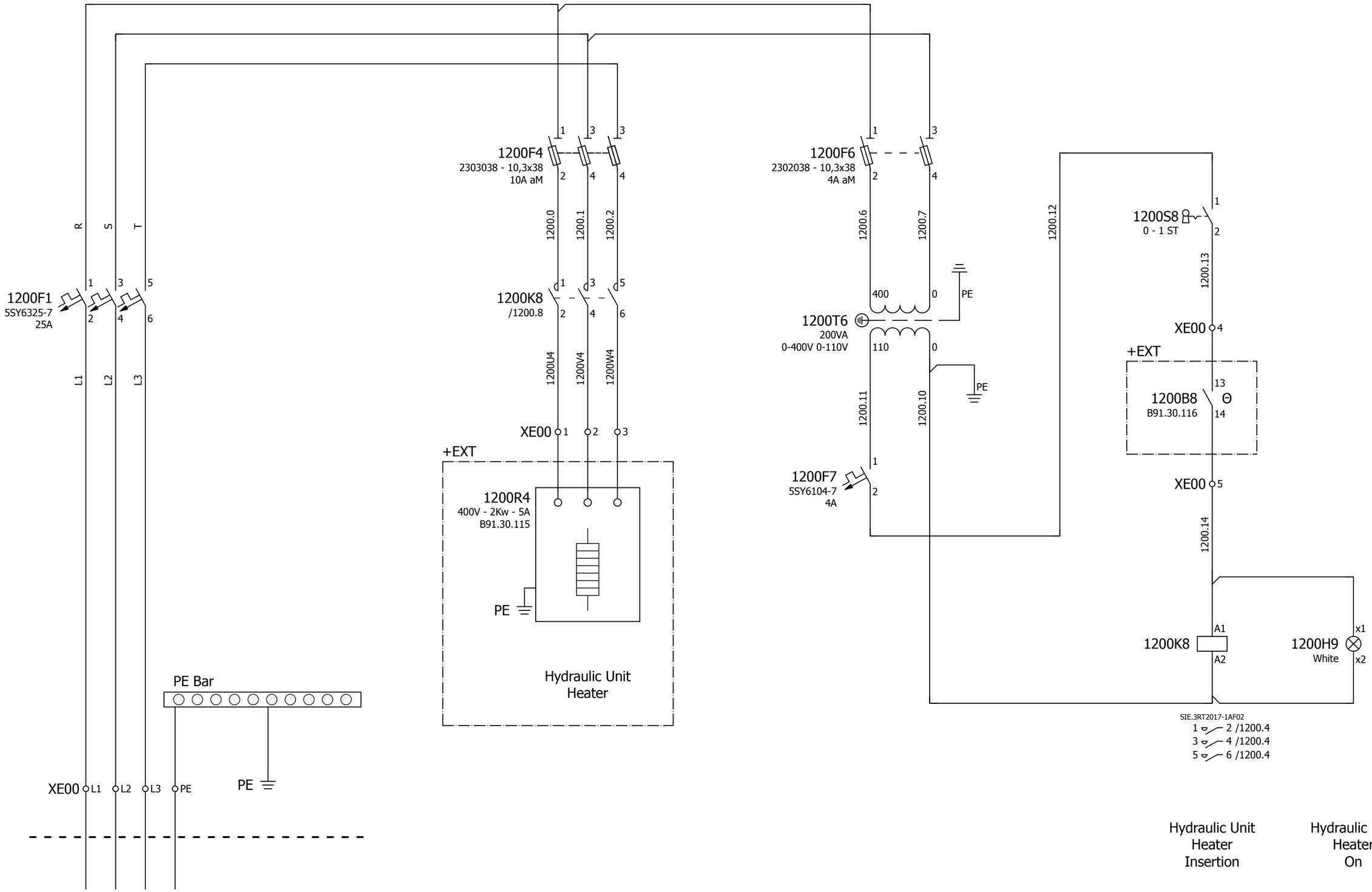
24V-L24
0V2

XBE02.3 1 2

24Vdc
1104.9 / 24V-L24 →
1104.9 / 0V2 →

01				Date	08/2018	NOVASTILMEC S.p.A. Coil Processing Equipment	GA Tech SRL General Automation & Technology	I/O Link Sensors Exit Rollerways Box E02
				Drawn	R.B.			
				Check	Phil			
Rev.	Descript.	Date	Name	Original				Descript.

Part Leveller - (China)	= Cabinet + **E02**	
Dwg.Nr. QE0091 - 2018	Page	**1150**
	Follow	+E00/1200



01				Date	08/2018
				Drawn	R.B.
				Check	Phil
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA Tech SRL
General Automation & Technology

Power Supply Heater Hydraulic Unit

Descript.

Part Leveller - (China)

= Cabinet
+ **E00**

Dwg.Nr.
QE0091 - 2018

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Follow =Part List+/1

Parts list

F01_004_GATECH

Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-122M3	1	Cabinet Air Filter 325x325mm	ALFA ELECTRIC	AE.ALFA3000BPB
=Cabinet+Q01-Q05-122M4	1	Cabinet Air Filter 325x325mm	ALFA ELECTRIC	AE.ALFA3000BPB
=Cabinet+Q01-Q05-122M5	1	Cabinet Air Filter 325x325mm	ALFA ELECTRIC	AE.ALFA3000BPB
=Cabinet+Q01-Q05-122M3	1	Cabinet Fan Top Mounting 120W - 230Vac - 700 m3/h	ALFA ELECTRIC	AE.ALFATORR1000B
=Cabinet+Q01-Q05-122M4	1	Cabinet Fan Top Mounting 120W - 230Vac - 700 m3/h	ALFA ELECTRIC	AE.ALFATORR1000B
=Cabinet+Q01-Q05-122M5	1	Cabinet Fan Top Mounting 120W - 230Vac - 700 m3/h	ALFA ELECTRIC	AE.ALFATORR1000B
=Cabinet+Q01-Q05-122B1	1	Thermostat 0-60° - NO Contact	ALFA ELECTRIC	AE.THV02
=Cabinet+Q01-Q05-100R6	1	Three Phase Filter 750A TA=50°C	FINMOTOR	FIN539S.750.B
=Cabinet+Q01-Q05-205F2	1	Base For Fuse - LTS00-CAV NH00 - 3P - Max 160A	ITALWEBER	ITW.33198
=Cabinet+Q01-Q05-210F2	1	Base For Fuse - LTS00-CAV NH00 - 3P - Max 160A	ITALWEBER	ITW.33198
=Cabinet+Q01-Q05-215F2	1	Base For Fuse - LTS00-CAV NH00 - 3P - Max 160A	ITALWEBER	ITW.33198
=Cabinet+Q01-Q05-220F2	1	Base For Fuse - LTS00-CAV NH00 - 3P - Max 160A	ITALWEBER	ITW.33198
=Cabinet+Q01-Q05-225F2	1	Base For Fuse - LTS00-CAV NH00 - 3P - Max 160A	ITALWEBER	ITW.33198
=Cabinet+Q01-Q05-230F2	1	Base For Fuse - LTS00-CAV NH00 - 3P - Max 160A	ITALWEBER	ITW.33198
=Cabinet+Q01-Q05-100F6	1	Base For Fuse - LTS1-CAV NH1 - 250A	ITALWEBER	ITW.33601
=Cabinet+Q01-Q05-200F2	1	Base For Fuse - LTS3-CAV NH3 - 630A	ITALWEBER	ITW.33603
=Cabinet+Q01-Q05-220F2	3	Quick Fuses NH00 16A - 690V - gG Type	ITALWEBER	ITW.1600516
=Cabinet+Q01-Q05-225F2	3	Quick Fuses NH00 16A - 690V - gG Type	ITALWEBER	ITW.1600516
=Cabinet+Q01-Q05-230F2	3	Quick Fuses NH00 16A - 690V - gG Type	ITALWEBER	ITW.1600516

Parts list

F01_004_GATECH

Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-215F2	3	Quick Fuses NH00 20A - 690V - gG Type	ITALWEBER	ITW.1600520
=Cabinet+Q01-Q05-205F2	3	Quick Fuses NH00 32A - 690V - gG Type	ITALWEBER	ITW.1600532
=Cabinet+Q01-Q05-210F2	3	Quick Fuses NH00 32A - 690V - gG Type	ITALWEBER	ITW.1600532
=Cabinet+Q01-Q05-100F6	3	Fuses NH1 200A - 690V - aM Type	ITALWEBER	ITW.1612200
=Cabinet+Q01-Q05-200F2	3	Quick Fuses NH3 630A - 690V - gG Type	ITALWEBER	ITW.1630630
=Cabinet+E00-1200F6	1	Modular Fuseholders 2P 14x51 Max 50A - 690V	ITALWEBER	ITW.2302051
=Cabinet+Q01-Q05-101F1	1	Modular Fuseholders 3P 10,3x38 Max 32A - 690V	ITALWEBER	ITW.2303038
=Cabinet+E00-1200F4	1	Modular Fuseholders 3P 14x51 Max 50A - 690V	ITALWEBER	ITW.2303051
=Cabinet+Q01-Q05-193F7	1	Modular Fuseholders 3P 22x58 Max 125A - 690V	ITALWEBER	ITW.2303058
=Cabinet+Q01-Q05-101A2	1	Flashing Signalling With Interlock Limit Switch 400V - 50Hz - Interlock 1NO	NEW ELFIN	NEF.050ASLFI10
=Cabinet+Q01-Q05-101A3	1	Flashing Signalling With Interlock Limit Switch 400V - 50Hz - Interlock 1NO	NEW ELFIN	NEF.050ASLFI10
=Cabinet+Q01-Q05-101A4	1	Flashing Signalling With Interlock Limit Switch 400V - 50Hz - Interlock 1NO	NEW ELFIN	NEF.050ASLFI10
=Cabinet+Q01-Q05-101A5	1	Flashing Signalling With Interlock Limit Switch 400V - 50Hz - Interlock 1NO	NEW ELFIN	NEF.050ASLFI10
=Cabinet+Q01-Q05-101A6	1	Flashing Signalling With Interlock Limit Switch 400V - 50Hz - Interlock 1NO	NEW ELFIN	NEF.050ASLFI10
=Cabinet+Q01-Q05-124H2	1	Electronic Neon Lamp 13W - 240Vac	NEW ELFIN	NEF.050PE13C
=Cabinet+Q01-Q05-124H3	1	Electronic Neon Lamp 13W - 240Vac	NEW ELFIN	NEF.050PE13C
=Cabinet+Q01-Q05-160A0	1	PNOZ Multi Modular Safety Relay XV3 - 774 540	PILZ	PIZ.774540
=Cabinet+Q01-Q05-551K1	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S00	SIEMENS	SIE.3RA2913-2AA1
=Cabinet+Q01-Q05-551K5	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S00	SIEMENS	SIE.3RA2913-2AA1

Parts list

F01_004_GATECH

Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-551K7	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S0	SIEMENS	SIE.3RA2923-2AA1
=Cabinet+Q01-Q05-552K2	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S0	SIEMENS	SIE.3RA2923-2AA1
=Cabinet+Q01-Q05-552K5	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S0	SIEMENS	SIE.3RA2923-2AA1
=Cabinet+Q01-Q05-552K8	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S0	SIEMENS	SIE.3RA2923-2AA1
=Cabinet+Q01-Q05-553K3	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S0	SIEMENS	SIE.3RA2923-2AA1
=Cabinet+Q01-Q05-553K6	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S0	SIEMENS	SIE.3RA2923-2AA1
=Cabinet+Q01-Q05-555K1	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S0	SIEMENS	SIE.3RA2923-2AA1
=Cabinet+Q01-Q05-555K4	1	WIRING KIT, SCREW ELECTRICAL AND MECHANICAL INCL. MECH. INTERLOCK, FOR REVERS. STARTERS, SIZE S0	SIEMENS	SIE.3RA2923-2AA1
=Cabinet+Q01-Q05-216F2	1	Electronic Overload Relay Protection 3÷12A cl.5/10/20/30	SIEMENS	SIE.3RB3113-4SB0
=Cabinet+Q01-Q05-216F4	1	Electronic Overload Relay Protection 3÷12A cl.5/10/20/30	SIEMENS	SIE.3RB3113-4SB0
=Cabinet+Q01-Q05-160K5	1	AUXILIARY SWITCH BLOCK 3NO+1NC	SIEMENS	SIE.3RH2911-1HA31
=Cabinet+Q01-Q05-160K6	1	AUXILIARY SWITCH BLOCK 3NO+1NC	SIEMENS	SIE.3RH2911-1HA31
=Cabinet+Q01-Q05-160K7	1	AUXILIARY SWITCH BLOCK 3NO+1NC	SIEMENS	SIE.3RH2911-1HA31
=Cabinet+Q01-Q05-160K8	1	AUXILIARY SWITCH BLOCK 3NO+1NC	SIEMENS	SIE.3RH2911-1HA31
=Cabinet+Q01-Q05-161K1	1	AUXILIARY SWITCH BLOCK 3NO+1NC	SIEMENS	SIE.3RH2911-1HA31
=Cabinet+Q01-Q05-161K2	1	AUXILIARY SWITCH BLOCK 3NO+1NC	SIEMENS	SIE.3RH2911-1HA31
=Cabinet+Q01-Q05-550K1	1	Three Poles Contactor 110Vac - 22Kw 400V - 50A Ac3 60A Ac1	SIEMENS	SIE.3RT1036-1AF00
=Cabinet+Q01-Q05-193K1	1	THREE POLES CONTACTOR 110Vac - 45 kW - 95A Ac3 120A Ac1	SIEMENS	SIE.3RT1046-1AF00
=Cabinet+Q01-Q05-193K2	1	THREE POLES CONTACTOR 110Vac - 45 kW - 95A Ac3 120A Ac1	SIEMENS	SIE.3RT1046-1AF00

Parts list

F01_004_GATECH

Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-550K2	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-550K3	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-550K4	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-550K5	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-550K6	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-550K7	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-551K1	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-551K2	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-551K3	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-551K4	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-551K5	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-551K6	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-552K4	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-553K2	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-553K8	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-555K6	1	Three Poles Contactor 110Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AF02
=Cabinet+Q01-Q05-122K1	1	Three Poles Contactor 230Vac 50Hz - 3Kw 400V - 7A Ac3 18A Ac1	SIEMENS	SIE.3RT2015-1AP02
=Cabinet+Q01-Q05-555K7	1	Three Poles Contactor 110Vac 50Hz - 5.5Kw 400V - 12A Ac3 22A Ac1	SIEMENS	SIE.3RT2017-1AF02
=Cabinet+E00-1200K8	1	Three Poles Contactor 110Vac 50Hz - 5.5Kw 400V - 12A Ac3 22A Ac1	SIEMENS	SIE.3RT2017-1AF02

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-160K5	1	Three Poles Contactor 24Vdc - 5.5Kw 400V - 12A Ac3 22A Ac1	SIEMENS	SIE.3RT2017-1BB42
=Cabinet+Q01-Q05-160K6	1	Three Poles Contactor 24Vdc - 5.5Kw 400V - 12A Ac3 22A Ac1	SIEMENS	SIE.3RT2017-1BB42
=Cabinet+Q01-Q05-160K7	1	Three Poles Contactor 24Vdc - 5.5Kw 400V - 12A Ac3 22A Ac1	SIEMENS	SIE.3RT2017-1BB42
=Cabinet+Q01-Q05-160K8	1	Three Poles Contactor 24Vdc - 5.5Kw 400V - 12A Ac3 22A Ac1	SIEMENS	SIE.3RT2017-1BB42
=Cabinet+Q01-Q05-161K1	1	Three Poles Contactor 24Vdc - 5.5Kw 400V - 12A Ac3 22A Ac1	SIEMENS	SIE.3RT2017-1BB42
=Cabinet+Q01-Q05-161K2	1	Three Poles Contactor 24Vdc - 5.5Kw 400V - 12A Ac3 22A Ac1	SIEMENS	SIE.3RT2017-1BB42
=Cabinet+Q01-Q05-555K8	1	Three Poles Contactor 110Vac 50Hz - 7.5Kw 400V - 16A Ac3 22A Ac1	SIEMENS	SIE.3RT2018-1AF02
=Cabinet+Q01-Q05-551K7	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-551K8	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-552K1	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-552K2	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-552K3	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-552K5	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-552K6	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-552K7	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-552K8	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-553K1	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-553K3	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-553K4	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-553K5	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-553K6	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-553K7	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-555K1	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-555K2	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-555K3	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-555K4	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-555K5	1	Three Poles Contactor 110Vac - 11Kw 400V - 25A Ac3 40A Ac1	SIEMENS	SIE.3RT2026-1AF00
=Cabinet+Q01-Q05-216F2	1	Overload Relay Support Separated Mounting, Size 00	SIEMENS	SIE.3RU2916-3AA01
=Cabinet+Q01-Q05-216F4	1	Overload Relay Support Separated Mounting, Size 00	SIEMENS	SIE.3RU2916-3AA01
=Cabinet+Q01-Q05-300Q1	1	Motor Starter Protector 36÷45A	SIEMENS	SIE.3RV1031-4GA10
=Cabinet+Q01-Q05-300Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV1901-1E
=Cabinet+Q01-Q05-312Q1	1	Motor Starter Protector 0.35÷0.5A	SIEMENS	SIE.3RV2011-0FA10
=Cabinet+Q01-Q05-312Q3	1	Motor Starter Protector 0.35÷0.5A	SIEMENS	SIE.3RV2011-0FA10
=Cabinet+Q01-Q05-304Q7	1	Motor Starter Protector 0.45÷0.63A	SIEMENS	SIE.3RV2011-0GA10
=Cabinet+Q01-Q05-305Q7	1	Motor Starter Protector 0.45÷0.63A	SIEMENS	SIE.3RV2011-0GA10
=Cabinet+Q01-Q05-306Q7	1	Motor Starter Protector 0.45÷0.63A	SIEMENS	SIE.3RV2011-0GA10
=Cabinet+Q01-Q05-307Q7	1	Motor Starter Protector 0.45÷0.63A	SIEMENS	SIE.3RV2011-0GA10
=Cabinet+Q01-Q05-330Q1	1	Motor Starter Protector 0.45÷0.63A	SIEMENS	SIE.3RV2011-0GA10

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-330Q3	1	Motor Starter Protector 0.45÷0.63A	SIEMENS	SIE.3RV2011-0GA10
=Cabinet+Q01-Q05-300Q5	1	Motor Starter Protector 0.7÷1.0A	SIEMENS	SIE.3RV2011-0JA10
=Cabinet+Q01-Q05-302Q3	1	Motor Starter Protector 1.4÷2A	SIEMENS	SIE.3RV2011-1BA10
=Cabinet+Q01-Q05-302Q1	1	Motor Starter Protector 1.8÷2.5A	SIEMENS	SIE.3RV2011-1CA10
=Cabinet+Q01-Q05-135Q1	1	Motor Starter Protector 2.2÷3.2A	SIEMENS	SIE.3RV2011-1DA10
=Cabinet+Q01-Q05-140Q1	1	Motor Starter Protector 2.2÷3.2A	SIEMENS	SIE.3RV2011-1DA10
=Cabinet+Q01-Q05-300Q3	1	Motor Starter Protector 2.8÷4A	SIEMENS	SIE.3RV2011-1EA10
=Cabinet+Q01-Q05-310Q1	1	Motor Starter Protector 2.8÷4A	SIEMENS	SIE.3RV2011-1EA10
=Cabinet+Q01-Q05-304Q3	1	Motor Starter Protector 14÷20A	SIEMENS	SIE.3RV2021-4BA10
=Cabinet+Q01-Q05-305Q3	1	Motor Starter Protector 14÷20A	SIEMENS	SIE.3RV2021-4BA10
=Cabinet+Q01-Q05-306Q3	1	Motor Starter Protector 14÷20A	SIEMENS	SIE.3RV2021-4BA10
=Cabinet+Q01-Q05-307Q3	1	Motor Starter Protector 14÷20A	SIEMENS	SIE.3RV2021-4BA10
=Cabinet+Q01-Q05-304Q1	1	Motor Starter Protector 20÷25A	SIEMENS	SIE.3RV2021-4DA10
=Cabinet+Q01-Q05-305Q1	1	Motor Starter Protector 20÷25A	SIEMENS	SIE.3RV2021-4DA10
=Cabinet+Q01-Q05-306Q1	1	Motor Starter Protector 20÷25A	SIEMENS	SIE.3RV2021-4DA10
=Cabinet+Q01-Q05-307Q1	1	Motor Starter Protector 20÷25A	SIEMENS	SIE.3RV2021-4DA10
=Cabinet+Q01-Q05-110Q1	1	Transformer Protector 7÷10A	SIEMENS	SIE.3RV2411-1JA10
=Cabinet+Q01-Q05-120Q1	1	Transformer Protector 7÷10A	SIEMENS	SIE.3RV2411-1JA10
=Cabinet+Q01-Q05-140Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-300Q3	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-300Q5	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-302Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-302Q3	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-304Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-304Q3	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-304Q7	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-305Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-305Q3	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-305Q7	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-306Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-306Q3	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-306Q7	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-307Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-307Q3	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-307Q7	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-310Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-312Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-312Q3	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-330Q1	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-330Q3	1	Auxilary Contacts 1 No + 1Nc	SIEMENS	SIE.3RV2901-1E
=Cabinet+Q01-Q05-100Q4	1	CIRCUIT-BREAKER VL 630N STANDARD ICU=55KA / 415 V AC 3 POLE	SIEMENS	SIE.3VL5763-1DE36-0AA0
=Cabinet+Q01-Q05-100Q4	1	DOOR-COUPLING OPERATOR (3VL5)	SIEMENS	SIE.3VL9600-3HF05
=Cabinet+Q01-Q05-100Q4	1	TERMINAL COVER EXTENDED 3 POLE (3VL5...3VL6) 1 PIECE = 2 COVERS	SIEMENS	SIE.3VL9600-8CA30
=Cabinet+Q01-Q05-100Q4	1	UNDERVOLTAGE RELEASE 220 - 250 V AC (3VL5...3VL8)	SIEMENS	SIE.3VL9800-1UH00
=Cabinet+Q01-Q05-110F2	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-110F3	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-110F4	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-110F5	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-110F6	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-120F2	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-120F3	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-120F4	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-135F2	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-135F4	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-135F5	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-135F6	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-135F7	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-140F2	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-140F3	1	Auxiliary Contacts 1 N.o. + 1 N.c.	SIEMENS	SIE.5ST3010
=Cabinet+Q01-Q05-110F2	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+Q01-Q05-110F3	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+Q01-Q05-110F4	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+Q01-Q05-135F3	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+Q01-Q05-135F4	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+Q01-Q05-135F5	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+Q01-Q05-135F6	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+Q01-Q05-135F7	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+P01-800F1	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+P01-800F2	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+P01-800F3	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+P02-900F1	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+P02-900F2	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+P02-900F3	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+E00-1200F7	1	Circuit Breaker 1P 4A 1P C	SIEMENS	SIE.5SY6104-7
=Cabinet+Q01-Q05-110F5	1	Circuit Breaker 1P 6A 1P C	SIEMENS	SIE.5SY6106-7
=Cabinet+Q01-Q05-120F3	1	Circuit Breaker 1P 6A 1P C	SIEMENS	SIE.5SY6106-7

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-120F4	1	Circuit Breaker 1P 6A 1P C	SIEMENS	SIE.5SY6106-7
=Cabinet+Q01-Q05-135F2	1	Circuit Breaker 1P 6A 1P C	SIEMENS	SIE.5SY6106-7
=Cabinet+Q01-Q05-140F2	1	Circuit Breaker 1P 6A 1P C	SIEMENS	SIE.5SY6106-7
=Cabinet+Q01-Q05-140F3	1	Circuit Breaker 1P 6A 1P C	SIEMENS	SIE.5SY6106-7
=Cabinet+Q01-Q05-110F6	1	Circuit Breaker 1P 10A 1P C	SIEMENS	SIE.5SY6110-7
=Cabinet+Q01-Q05-120F2	1	Circuit Breaker 1P 10A 1P C	SIEMENS	SIE.5SY6110-7
=Cabinet+E00-1200F1	1	Circuit Breaker 3P 25A 3P C	SIEMENS	SIE.5SY6325-7
=Cabinet+P01-803A1	1	Simatic HMI TP1200 Comfort - TFT Display 24Vdc - Profinet Interface - 12" Widescreen	SIEMENS	SIE.6AV2124-0MC01-0AX0
=Cabinet+P02-903A1	1	Simatic HMI TP1200 Comfort - TFT Display 24Vdc - Profinet Interface - 12" Widescreen	SIEMENS	SIE.6AV2124-0MC01-0AX0
=Cabinet+P01-800A1	1	Power Supply In 120/230...500Vac - Out 24Vdc 5A	SIEMENS	SIE.6EP1333-3BA10
=Cabinet+P02-900A1	1	Power Supply In 120/230...500Vac - Out 24Vdc 5A	SIEMENS	SIE.6EP1333-3BA10
=Cabinet+Q01-Q05-135A1	1	POWER SUPPLY In 400Vac - Out 24Vdc 10A	SIEMENS	SIE.6EP1434-2BA20
=Cabinet+Q01-Q05-140A1	1	POWER SUPPLY In 400Vac - Out 24Vdc 10A	SIEMENS	SIE.6EP1434-2BA20
=Cabinet+P01-801A2	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+P01-801A3	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+P01-801A4	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+P01-801A5	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+P02-901A2	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+P02-901A3	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+P02-901A4	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+P02-901A5	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+E01-1001A2	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+E01-1001A3	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+E02-1101A2	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+E02-1101A3	1	ET 200S Digital Input Module 8 x DI 24Vdc	SIEMENS	SIE.6ES7131-4BF00-0AA0
=Cabinet+E01-1001A5	1	ET 200S Digital Output Module 4DO 24Vdc/2A	SIEMENS	SIE.6ES7132-4BD32-0AA0
=Cabinet+E01-1001A6	1	ET 200S Digital Output Module 4DO 24Vdc/2A	SIEMENS	SIE.6ES7132-4BD32-0AA0
=Cabinet+E01-1001A8	1	ET 200S Digital Output Module 4DO 24Vdc/2A	SIEMENS	SIE.6ES7132-4BD32-0AA0
=Cabinet+E02-1101A5	1	ET 200S Digital Output Module 4DO 24Vdc/2A	SIEMENS	SIE.6ES7132-4BD32-0AA0
=Cabinet+E02-1101A6	1	ET 200S Digital Output Module 4DO 24Vdc/2A	SIEMENS	SIE.6ES7132-4BD32-0AA0
=Cabinet+E02-1101A8	1	ET 200S Digital Output Module 4DO 24Vdc/2A	SIEMENS	SIE.6ES7132-4BD32-0AA0
=Cabinet+P01-801A6	1	ET 200S Digital Output Module 8 x DO 24Vdc-0,5A	SIEMENS	SIE.6ES7132-4BF00-0AA0
=Cabinet+P02-901A6	1	ET 200S Digital Output Module 8 x DO 24Vdc-0,5A	SIEMENS	SIE.6ES7132-4BF00-0AA0
=Cabinet+P01-801A1	1	ET 200S Digital Power Module 24Vdc	SIEMENS	SIE.6ES7138-4CA01-0AA0
=Cabinet+P02-901A1	1	ET 200S Digital Power Module 24Vdc	SIEMENS	SIE.6ES7138-4CA01-0AA0
=Cabinet+E01-1001A1	1	ET 200S Digital Power Module 24Vdc	SIEMENS	SIE.6ES7138-4CA01-0AA0
=Cabinet+E01-1001A4	1	ET 200S Digital Power Module 24Vdc	SIEMENS	SIE.6ES7138-4CA01-0AA0
=Cabinet+E01-1001A7	1	ET 200S Digital Power Module 24Vdc	SIEMENS	SIE.6ES7138-4CA01-0AA0

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+E02-1101A1	1	ET 200S Digital Power Module 24Vdc	SIEMENS	SIE.6ES7138-4CA01-0AA0
=Cabinet+E02-1101A4	1	ET 200S Digital Power Module 24Vdc	SIEMENS	SIE.6ES7138-4CA01-0AA0
=Cabinet+E02-1101A7	1	ET 200S Digital Power Module 24Vdc	SIEMENS	SIE.6ES7138-4CA01-0AA0
=Cabinet+E01-1001A0	1	Interface Module IM 151-1 St For ET200S 24Vdc - 200 mA - 3.3W	SIEMENS	SIE.6ES7151-1AA06-0AB0
=Cabinet+E02-1101A0	1	Interface Module IM 151-1 St For ET200S 24Vdc - 200 mA - 3.3W	SIEMENS	SIE.6ES7151-1AA06-0AB0
=Cabinet+P01-801A0	1	ET 200S Interface Module IM 151-3 Profinet Interface	SIEMENS	SIE.6ES7151-3AA23-0AB0
=Cabinet+P02-901A0	1	ET 200S Interface Module IM 151-3 Profinet Interface	SIEMENS	SIE.6ES7151-3AA23-0AB0
=Cabinet+P01-801A2	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P01-801A3	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P01-801A4	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P01-801A5	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P01-801A6	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P02-901A2	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P02-901A3	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P02-901A4	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P02-901A5	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P02-901A6	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+E01-1001A2	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+E01-1001A3	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+E01-1001A5	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+E01-1001A6	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+E01-1001A8	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+E02-1101A2	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+E02-1101A3	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+E02-1101A5	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+E02-1101A6	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+E02-1101A8	1	Terminal Module For 8 x DI/DO	SIEMENS	SIE.6ES7193-4CB20-0AA0
=Cabinet+P01-801A1	1	Terminal Module For Power Module	SIEMENS	SIE.6ES7193-4CD20-0AA0
=Cabinet+P02-901A1	1	Terminal Module For Power Module	SIEMENS	SIE.6ES7193-4CD20-0AA0
=Cabinet+E01-1001A1	1	Terminal Module For Power Module	SIEMENS	SIE.6ES7193-4CD20-0AA0
=Cabinet+E01-1001A4	1	Terminal Module For Power Module	SIEMENS	SIE.6ES7193-4CD20-0AA0
=Cabinet+E01-1001A7	1	Terminal Module For Power Module	SIEMENS	SIE.6ES7193-4CD20-0AA0
=Cabinet+E02-1101A1	1	Terminal Module For Power Module	SIEMENS	SIE.6ES7193-4CD20-0AA0
=Cabinet+E02-1101A4	1	Terminal Module For Power Module	SIEMENS	SIE.6ES7193-4CD20-0AA0
=Cabinet+E02-1101A7	1	Terminal Module For Power Module	SIEMENS	SIE.6ES7193-4CD20-0AA0
=Cabinet+Q01-Q05-450A1	1	S7-300 CPU 315-2 PN/DP	SIEMENS	SIE.6ES7315-2EH14-0AB0
=Cabinet+Q01-Q05-450A4	1	Digital Input Module SM321 DI 32xDC24V	SIEMENS	SIE.6ES7321-1BL00-0AA0
=Cabinet+Q01-Q05-450A5	1	Digital Input Module SM321 DI 32xDC24V	SIEMENS	SIE.6ES7321-1BL00-0AA0

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-450A6	1	Digital Input Module SM321 DI 32xDC24V	SIEMENS	SIE.6ES7321-1BL00-0AA0
=Cabinet+Q01-Q05-450A7	1	Digital Input Module SM321 DI 32xDC24V	SIEMENS	SIE.6ES7321-1BL00-0AA0
=Cabinet+Q01-Q05-450A8	1	Digital Input Module SM321 DI 32xDC24V	SIEMENS	SIE.6ES7321-1BL00-0AA0
=Cabinet+Q01-Q05-452A2	1	Digital Output Module SM322 DO 32xDC24V-0,5A	SIEMENS	SIE.6ES7322-1BL00-0AA0
=Cabinet+Q01-Q05-452A3	1	Digital Output Module SM322 DO 32xDC24V-0,5A	SIEMENS	SIE.6ES7322-1BL00-0AA0
=Cabinet+Q01-Q05-452A4	1	Digital Output Module SM322 DO 32xDC24V-0,5A	SIEMENS	SIE.6ES7322-1BL00-0AA0
=Cabinet+Q01-Q05-450A3	1	FM350-2 Counter Unit Module 8 Channels , 10 KHz	SIEMENS	SIE.6ES7350-2AH01-0AE0
=Cabinet+Q01-Q05-450A2	1	IM 360 for central rack IM 360 - Send	SIEMENS	SIE.6ES7360-3AA01-0AA0
=Cabinet+Q01-Q05-452A1	1	IM 361 for expansion rack IM 361 - Recive	SIEMENS	SIE.6ES7361-3CA01-0AA0
=Cabinet+Q01-Q05-450A2	1	Cable For IM 360 - Lenght 1mt	SIEMENS	SIE.6ES7368-3BB01-0AA0
=Cabinet+Q01-Q05-450A3	1	Connector For Simatic S7-300 40 pin	SIEMENS	SIE.6ES7392-1AM00-0AA0
=Cabinet+Q01-Q05-450A4	1	Connector For Simatic S7-300 40 pin	SIEMENS	SIE.6ES7392-1AM00-0AA0
=Cabinet+Q01-Q05-450A5	1	Connector For Simatic S7-300 40 pin	SIEMENS	SIE.6ES7392-1AM00-0AA0
=Cabinet+Q01-Q05-450A6	1	Connector For Simatic S7-300 40 pin	SIEMENS	SIE.6ES7392-1AM00-0AA0
=Cabinet+Q01-Q05-450A7	1	Connector For Simatic S7-300 40 pin	SIEMENS	SIE.6ES7392-1AM00-0AA0
=Cabinet+Q01-Q05-450A8	1	Connector For Simatic S7-300 40 pin	SIEMENS	SIE.6ES7392-1AM00-0AA0
=Cabinet+Q01-Q05-452A2	1	Connector For Simatic S7-300 40 pin	SIEMENS	SIE.6ES7392-1AM00-0AA0
=Cabinet+Q01-Q05-452A3	1	Connector For Simatic S7-300 40 pin	SIEMENS	SIE.6ES7392-1AM00-0AA0
=Cabinet+Q01-Q05-452A4	1	Connector For Simatic S7-300 40 pin	SIEMENS	SIE.6ES7392-1AM00-0AA0

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-450A1	1	S7 MICRO MEMORY CARD 2MB	SIEMENS	SIE.6ES7953-8LL31-0AA0
=Cabinet+Q01-Q05-470A6	1	Scalance XB008 Industrial Ethernet Switch 24Vdc - 8 Sockets	SIEMENS	SIE.6GK5008-0BA00-1AB2
=Cabinet+Q01-Q05-220R7	1	Braking Resistor 160ohm, Pmax 4KW 12sec.	SIEMENS	SIE.6SE3201-0BE12-0AA0
=Cabinet+Q01-Q05-205R7	1	Braking Resistor 56ohm, Pmax 11KW 12sec.	SIEMENS	SIE.6SE6400-4BD16-5CA0
=Cabinet+Q01-Q05-210R7	1	Braking Resistor 56ohm, Pmax 11KW 12sec.	SIEMENS	SIE.6SE6400-4BD16-5CA0
=Cabinet+Q01-Q05-215R7	1	Braking Resistor 56ohm, Pmax 11KW 12sec.	SIEMENS	SIE.6SE6400-4BD16-5CA0
=Cabinet+Q01-Q05-200R7	1	Braking Resistor 8.2ohm, Pmax 80KW 12sec.	SIEMENS	SIE.6SE6400-4BD24-0FA0
=Cabinet+Q01-Q05-220A2	1	Sinamics G120 - PM240 Power module 2.2kW - 5.9A , without EMC Filter	SIEMENS	SIE.6SL3224-0BE22-2UA0
=Cabinet+Q01-Q05-215A2	1	Sinamics G120 - PM240 Power module 7.5kW - 18A , without EMC Filter	SIEMENS	SIE.6SL3224-0BE25-5UA0
=Cabinet+Q01-Q05-205A2	1	Sinamics G120 - PM240 Power module 11kW - 25A , without EMC Filter	SIEMENS	SIE.6SL3224-0BE27-5UA0
=Cabinet+Q01-Q05-210A2	1	Sinamics G120 - PM240 Power module 11kW - 25A , without EMC Filter	SIEMENS	SIE.6SL3224-0BE27-5UA0
=Cabinet+Q01-Q05-200A2	1	Sinamics G120 - PM240 Power module 250kW - 477A , without EMC Filter	SIEMENS	SIE.6SL3224-0XE42-0UA0
=Cabinet+Q01-Q05-217A0	1	Sinamics Control Unit CU240E-2 PN Profinet, STO	SIEMENS	SIE.6SL3244-0BB12-1FA0
=Cabinet+Q01-Q05-223A0	1	Sinamics Control Unit CU240E-2 PN Profinet, STO	SIEMENS	SIE.6SL3244-0BB12-1FA0
=Cabinet+Q01-Q05-202A0	1	Sinamics Control Unit CU250S-2 PN Profinet, STO, Encoder	SIEMENS	SIE.6SL3246-0BA22-1FA0
=Cabinet+Q01-Q05-207A0	1	Sinamics Control Unit CU250S-2 PN Profinet, STO, Encoder	SIEMENS	SIE.6SL3246-0BA22-1FA0
=Cabinet+Q01-Q05-212A0	1	Sinamics Control Unit CU250S-2 PN Profinet, STO, Encoder	SIEMENS	SIE.6SL3246-0BA22-1FA0
=Cabinet+Q01-Q05-202A0	1	Sinamics G120 - CU250 BOP Basic Operator Panel	SIEMENS	SIE.6SL3255-0AA00-4CA1
=Cabinet+Q01-Q05-250A4	1	Sinamics G120 Braking Module 50/250kW	SIEMENS	SIE.6SL3300-1AE32-5AA0

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+E00-1200T6	1	Single Phase Transformer 200VA P. 200VA 0.400 / S. 200VA 0.110	TECNOCABLAGGI	TC.81000200.279
=Cabinet+Q01-Q05-120T1	1	Single Phase Transformer 3000VA P. 300VA 0.400 / S. 4000VA 0.230	TECNOCABLAGGI	TC.81003000.022
=Cabinet+Q01-Q05-110T1	1	Single Phase Transformer 3000VA P. 300VA 0.400 / S. 4000VA 0.110	TECNOCABLAGGI	TC.81003000.088
=Cabinet+Q01-Q05-200L2	1	3 Phase Reactor 400V/50Hz - 510A - 0,044mH (Horizontal Mounting)	TECNOCABLAGGI	TC.PSPGAT70000510001
=Cabinet+P01-806S1	1	Joystick controllers 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.XD4-PA22
=Cabinet+P01-806S3	1	Joystick controllers 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.XD4-PA22
=Cabinet+P02-906S1	1	Joystick controllers 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.XD4-PA22
=Cabinet+P02-906S3	1	Joystick controllers 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.XD4-PA22
=Cabinet+P01-805S1	1	Pushbutton With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BA1
=Cabinet+P01-807S3	1	Pushbutton With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BA1
=Cabinet+P02-905S1	1	Pushbutton With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BA1
=Cabinet+P02-907S3	1	Pushbutton With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BA1
=Cabinet+PB1-221S7	1	Pushbutton With Flush Push Black Heads	TELEMECANIQUE	TEL.ZB4-BA2
=Cabinet+PB2-222S7	1	Pushbutton With Flush Push Black Heads	TELEMECANIQUE	TEL.ZB4-BA2
=Cabinet+P01-805S4	1	Selector Switches With Standard Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BD5
=Cabinet+P01-807S1	1	Selector Switches With Standard Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BD5
=Cabinet+P02-905S4	1	Selector Switches With Standard Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BD5
=Cabinet+P02-907S1	1	Selector Switches With Standard Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BD5
=Cabinet+PA1-221S5	1	Selector Switches With Standard Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BD5

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+PA2-222S5	1	Selector Switches With Standard Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BD5
=Cabinet+P01-807S7	1	Selector Switches With Key 2 Positon Stay Put - Black	TELEMECANIQUE	TEL.ZB4-BG4
=Cabinet+E00-1200S8	1	Selector Switches With Key 2 Positon Stay Put - Black	TELEMECANIQUE	TEL.ZB4-BG4
=Cabinet+Q01-Q05-100S4	1	Selector Switches With Key 2 Positon Spring Return From Right To Left - Black	TELEMECANIQUE	TEL.ZB4-BG6
=Cabinet+P01-805S2	1	Selector Switches With Long Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BJ5
=Cabinet+P01-805S7	1	Selector Switches With Long Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BJ5
=Cabinet+P01-807S4	1	Selector Switches With Long Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BJ5
=Cabinet+P02-905S2	1	Selector Switches With Long Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BJ5
=Cabinet+P02-905S7	1	Selector Switches With Long Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BJ5
=Cabinet+P02-907S4	1	Selector Switches With Long Handle 3 Positon Spring Return To Centre - Black	TELEMECANIQUE	TEL.ZB4-BJ5
=Cabinet+Q01-Q05-156S8	1	Emergency Switching Off - Mechanical Latching Turn To Release Head - Red	TELEMECANIQUE	TEL.ZB4-BS844
=Cabinet+P01-155S1	1	Emergency Switching Off - Mechanical Latching Turn To Release Head - Red	TELEMECANIQUE	TEL.ZB4-BS844
=Cabinet+P02-155S2	1	Emergency Switching Off - Mechanical Latching Turn To Release Head - Red	TELEMECANIQUE	TEL.ZB4-BS844
=Cabinet+EXT-155S3	1	Emergency Switching Off - Mechanical Latching Turn To Release Head - Red	TELEMECANIQUE	TEL.ZB4-BS844
=Cabinet+EXT-155S4	1	Emergency Switching Off - Mechanical Latching Turn To Release Head - Red	TELEMECANIQUE	TEL.ZB4-BS844
=Cabinet+EXT-155S5	1	Emergency Switching Off - Mechanical Latching Turn To Release Head - Red	TELEMECANIQUE	TEL.ZB4-BS844
=Cabinet+EXT-155S6	1	Emergency Switching Off - Mechanical Latching Turn To Release Head - Red	TELEMECANIQUE	TEL.ZB4-BS844
=Cabinet+Q01-Q05-100H4	1	Pilot Lights Heads White Heads	TELEMECANIQUE	TEL.ZB4-BV013
=Cabinet+E00-1200H9	1	Pilot Lights Heads White Heads	TELEMECANIQUE	TEL.ZB4-BV013

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+E00-1200H9	1	Light Blocks Led 110Vac - White Head	TELEMECANIQUE	TEL.ZB4-BVG1
=Cabinet+Q01-Q05-100H4	1	Light Blocks Led 230Vac - White Head	TELEMECANIQUE	TEL.ZB4-BVM1
=Cabinet+P01-805S6	1	Led + NO Contact Block 24V - White Led	TELEMECANIQUE	TEL.ZB4-BW0B11
=Cabinet+P01-806S5	1	Led + NO Contact Block 24V - White Led	TELEMECANIQUE	TEL.ZB4-BW0B11
=Cabinet+P01-806S8	1	Led + NO Contact Block 24V - White Led	TELEMECANIQUE	TEL.ZB4-BW0B11
=Cabinet+P01-807S8	1	Led + NO Contact Block 24V - White Led	TELEMECANIQUE	TEL.ZB4-BW0B11
=Cabinet+P02-905S6	1	Led + NO Contact Block 24V - White Led	TELEMECANIQUE	TEL.ZB4-BW0B11
=Cabinet+P02-906S5	1	Led + NO Contact Block 24V - White Led	TELEMECANIQUE	TEL.ZB4-BW0B11
=Cabinet+P02-906S8	1	Led + NO Contact Block 24V - White Led	TELEMECANIQUE	TEL.ZB4-BW0B11
=Cabinet+P01-160S2	1	Led + NO Contact Block 24V - Blue Led	TELEMECANIQUE	TEL.ZB4-BW0B61
=Cabinet+P01-805S6	1	Illuminated Pushbuttons With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BW313
=Cabinet+P01-806S5	1	Illuminated Pushbuttons With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BW313
=Cabinet+P01-806S8	1	Illuminated Pushbuttons With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BW313
=Cabinet+P01-807S8	1	Illuminated Pushbuttons With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BW313
=Cabinet+P02-905S6	1	Illuminated Pushbuttons With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BW313
=Cabinet+P02-906S5	1	Illuminated Pushbuttons With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BW313
=Cabinet+P02-906S8	1	Illuminated Pushbuttons With Flush Push White Heads	TELEMECANIQUE	TEL.ZB4-BW313
=Cabinet+P01-160S2	1	Illuminated Pushbuttons With Flush Push Blue Heads	TELEMECANIQUE	TEL.ZB4-BW363
=Cabinet+Q01-Q05-100S4	1	Body/Fixing Collar Whith Contact Blocks 1 No Contact	TELEMECANIQUE	TEL.ZB4-BZ101

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+P01-807S7	1	Body/Fixing Collar Whith Contact Blocks 1 No Contact	TELEMECANIQUE	TEL.ZB4-BZ101
=Cabinet+PB1-221S7	1	Body/Fixing Collar Whith Contact Blocks 1 No Contact	TELEMECANIQUE	TEL.ZB4-BZ101
=Cabinet+PB2-222S7	1	Body/Fixing Collar Whith Contact Blocks 1 No Contact	TELEMECANIQUE	TEL.ZB4-BZ101
=Cabinet+E00-1200S8	1	Body/Fixing Collar Whith Contact Blocks 1 No Contact	TELEMECANIQUE	TEL.ZB4-BZ101
=Cabinet+Q01-Q05-156S8	1	Body/Fixing Collar Whith Contact Blocks 1 Nc Contact	TELEMECANIQUE	TEL.ZB4-BZ102
=Cabinet+P01-155S1	1	Body/Fixing Collar Whith Contact Blocks 1 Nc Contact	TELEMECANIQUE	TEL.ZB4-BZ102
=Cabinet+P02-155S2	1	Body/Fixing Collar Whith Contact Blocks 1 Nc Contact	TELEMECANIQUE	TEL.ZB4-BZ102
=Cabinet+EXT-155S3	1	Body/Fixing Collar Whith Contact Blocks 1 Nc Contact	TELEMECANIQUE	TEL.ZB4-BZ102
=Cabinet+EXT-155S4	1	Body/Fixing Collar Whith Contact Blocks 1 Nc Contact	TELEMECANIQUE	TEL.ZB4-BZ102
=Cabinet+EXT-155S5	1	Body/Fixing Collar Whith Contact Blocks 1 Nc Contact	TELEMECANIQUE	TEL.ZB4-BZ102
=Cabinet+EXT-155S6	1	Body/Fixing Collar Whith Contact Blocks 1 Nc Contact	TELEMECANIQUE	TEL.ZB4-BZ102
=Cabinet+P01-805S2	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P01-805S4	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P01-805S7	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P01-806S1	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P01-806S3	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P01-807S1	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P01-807S4	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P02-905S2	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+P02-905S4	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P02-905S7	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P02-906S1	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P02-906S3	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P02-907S1	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P02-907S4	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+PA1-221S5	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+PA2-222S5	1	Body/Fixing Collar Whith Contact Blocks 2 No Contact	TELEMECANIQUE	TEL.ZB4-BZ103
=Cabinet+P01-805S1	1	NO CONTACT No Contact	TELEMECANIQUE	TEL.ZBE-101
=Cabinet+P01-807S3	1	NO CONTACT No Contact	TELEMECANIQUE	TEL.ZBE-101
=Cabinet+P02-905S1	1	NO CONTACT No Contact	TELEMECANIQUE	TEL.ZBE-101
=Cabinet+P02-907S3	1	NO CONTACT No Contact	TELEMECANIQUE	TEL.ZBE-101
=Cabinet+Q01-Q05-156S8	2	NC CONTACT Nc Contact	TELEMECANIQUE	TEL.ZBE-102
=Cabinet+P01-155S1	2	NC CONTACT Nc Contact	TELEMECANIQUE	TEL.ZBE-102
=Cabinet+P02-155S2	2	NC CONTACT Nc Contact	TELEMECANIQUE	TEL.ZBE-102
=Cabinet+EXT-155S3	2	NC CONTACT Nc Contact	TELEMECANIQUE	TEL.ZBE-102
=Cabinet+EXT-155S4	2	NC CONTACT Nc Contact	TELEMECANIQUE	TEL.ZBE-102
=Cabinet+EXT-155S5	2	NC CONTACT Nc Contact	TELEMECANIQUE	TEL.ZBE-102
=Cabinet+EXT-155S6	2	NC CONTACT Nc Contact	TELEMECANIQUE	TEL.ZBE-102

Parts list

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-124X7	1	Universal Socket 230V - 16A	VIMAR	VIM.09967
=Cabinet+Q01-Q05-124X8	1	Universal Socket 230V - 16A	VIMAR	VIM.09967
=Cabinet+Q01-Q05-550K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-550K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-550K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-550K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-550K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-550K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-550K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-550K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-551K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-551K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-551K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-551K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-551K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-551K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-551K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-551K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-552K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000

Parts list

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-552K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-552K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-552K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-552K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-552K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-552K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-552K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-553K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-553K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-553K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-553K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-553K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-553K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-553K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-553K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-555K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-555K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-555K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-555K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000

Parts list

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-555K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-555K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-555K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-555K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-556K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-556K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-556K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-556K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-556K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-556K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-556K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-556K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-557K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-557K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-557K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-557K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-557K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-557K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-557K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000

Parts list

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-557K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-558K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-558K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-558K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-558K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-558K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-558K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-558K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-558K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-560K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-560K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-560K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-560K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-560K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-560K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-560K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-560K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-561K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-561K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-561K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-561K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-561K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-561K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-561K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-561K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-562K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-562K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-562K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-562K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-562K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-562K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-562K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-562K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-563K11	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-563K21	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-563K31	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-563K41	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-563K51	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000

Parts list

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Device Designation	Quantity	Designation	Manufacturer	Part number
=Cabinet+Q01-Q05-563K61	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-563K71	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000
=Cabinet+Q01-Q05-563K81	1	AUX. RELAY 24Vdc - 1 Contact No/Nc	WEIDMULLER	WEI.1122770000