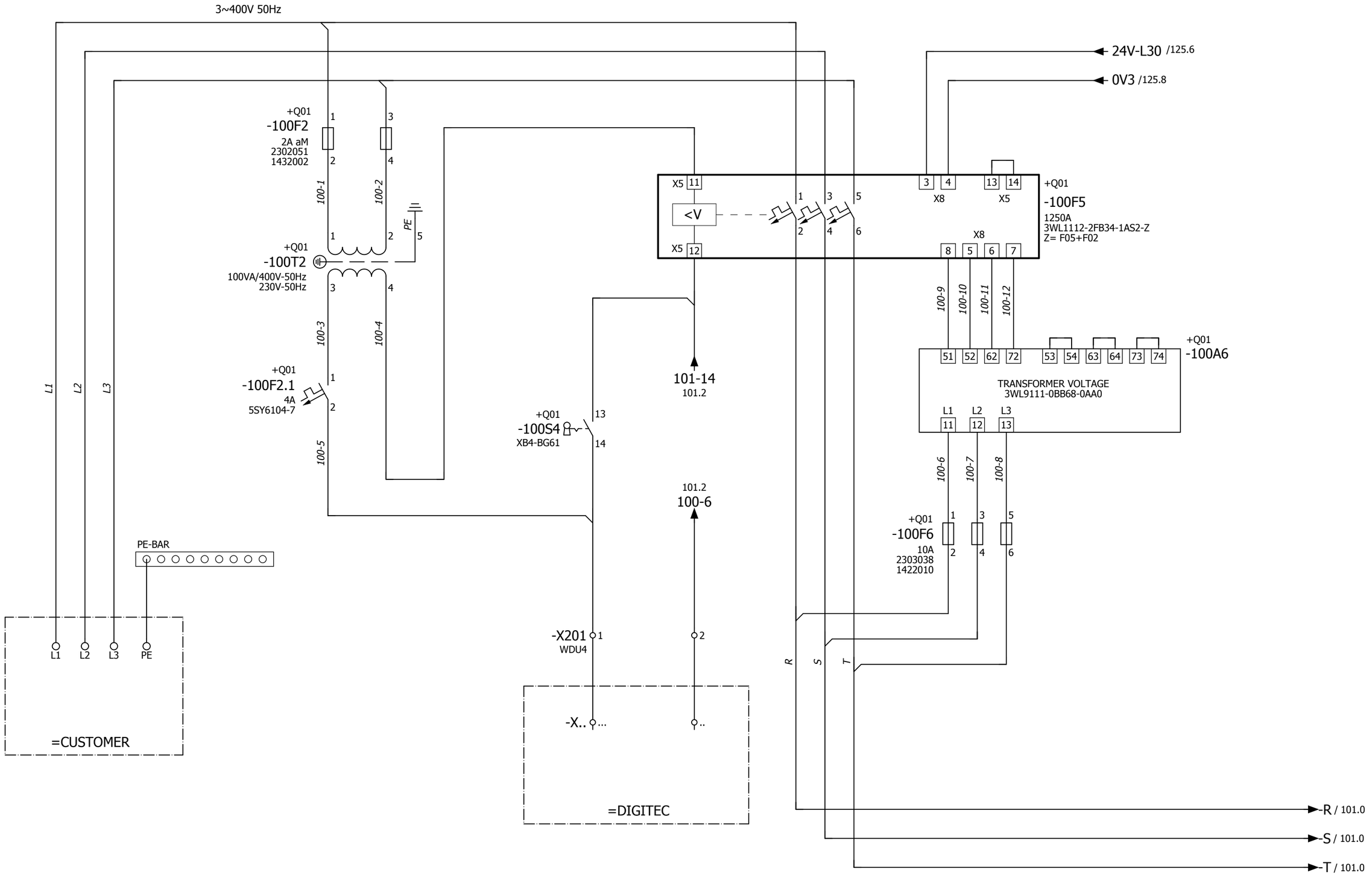
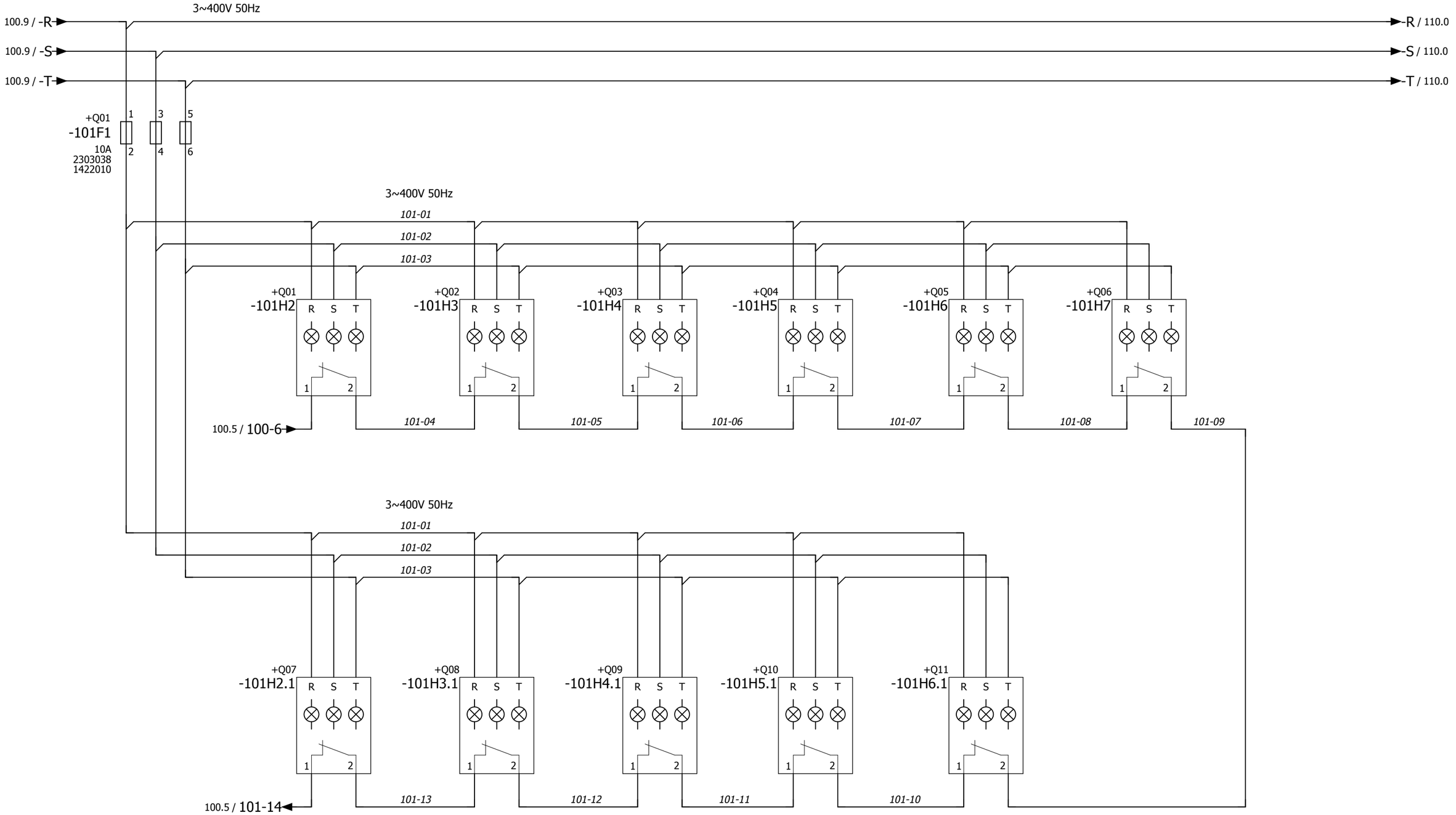


00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	INCOMING LINE 3~400V 50Hz	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 100
Rev.	Descript.	Date	Name	Original				Descript.		Follow 101



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

INCOMING LINE 3~400V 50Hz

Descript.

NOVASTILMEC A96

= A96

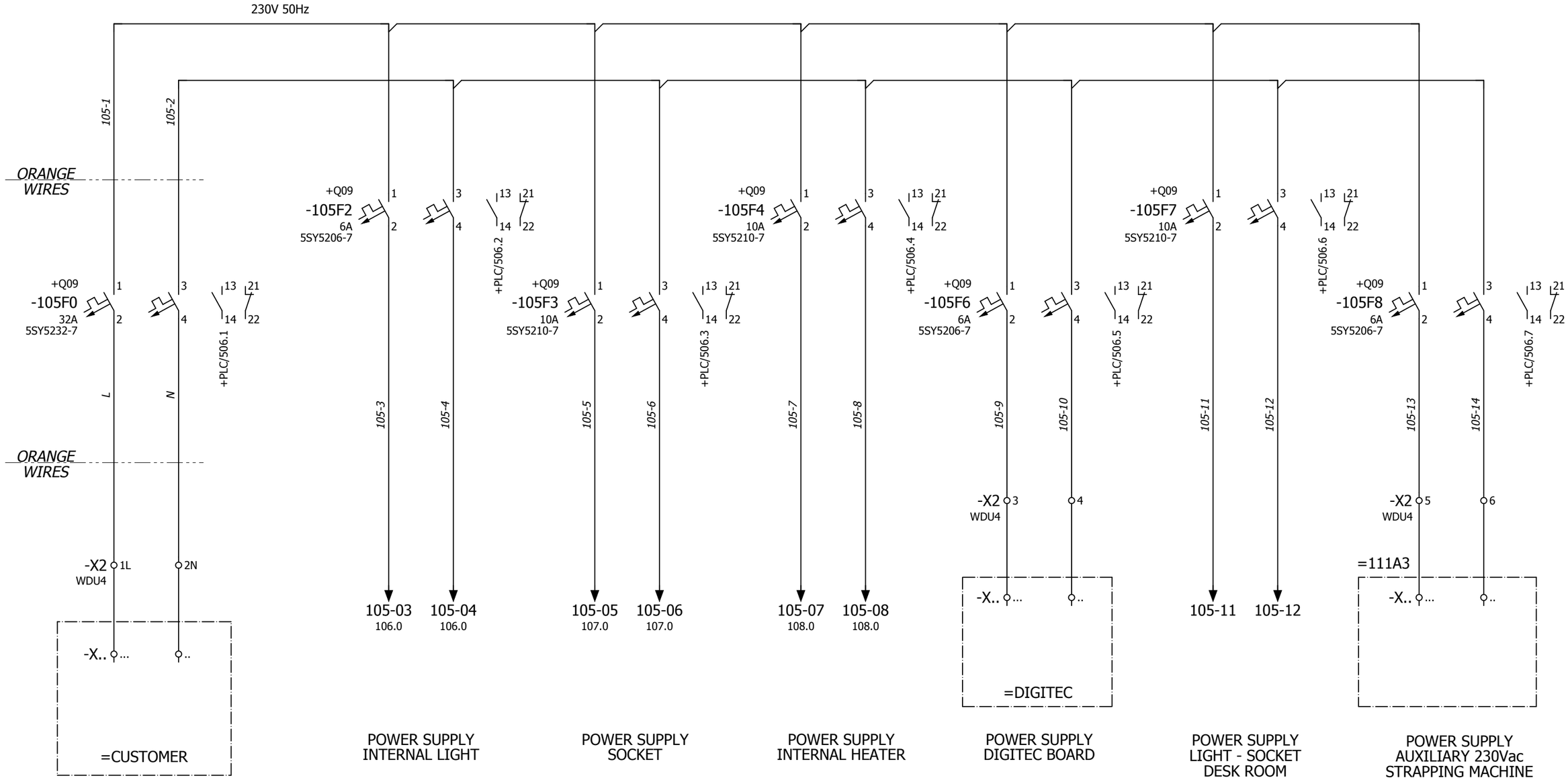
+ IL

Job Nr.

Dwg.Nr. A96

Page 101

Follow 105



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

AUXILIARY INCOMING LINE 2~230V 50Hz

Descript.

NOVASTILMEC A96

= A96

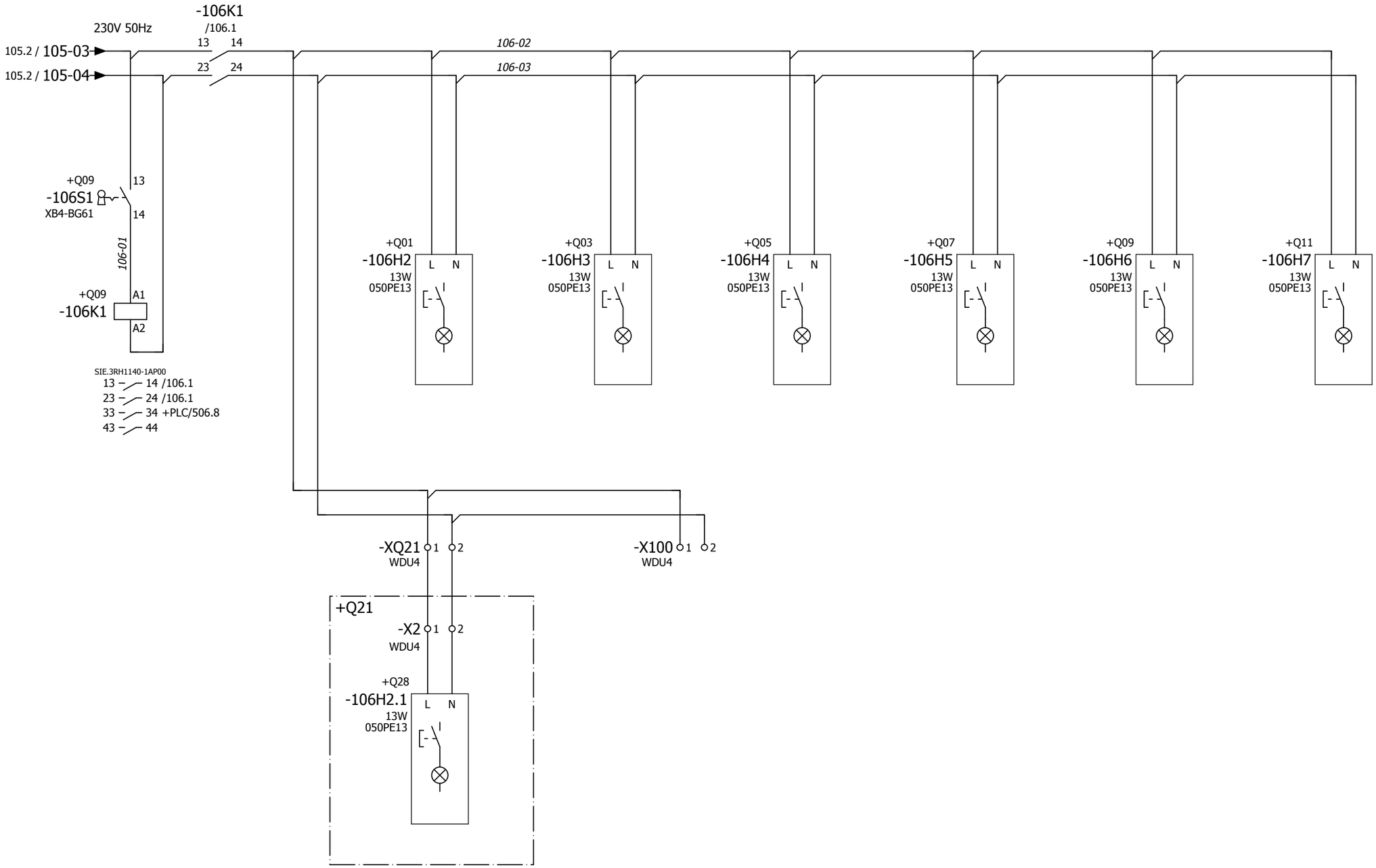
+ IL

Job Nr.

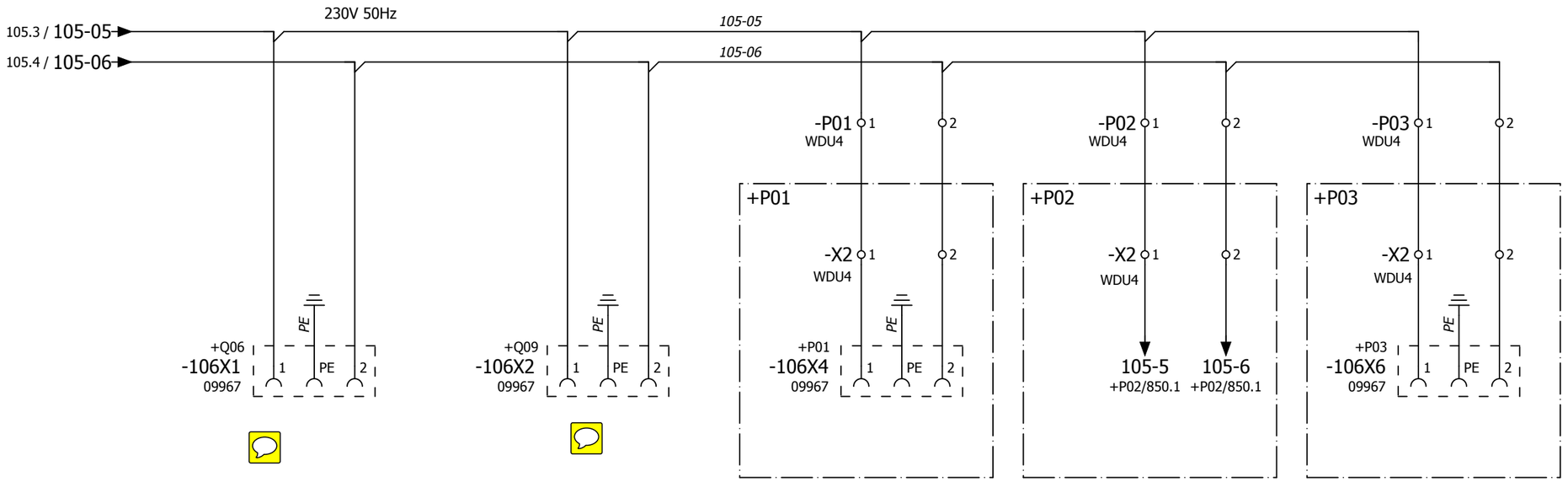
Dwg.Nr. A96

Page 105

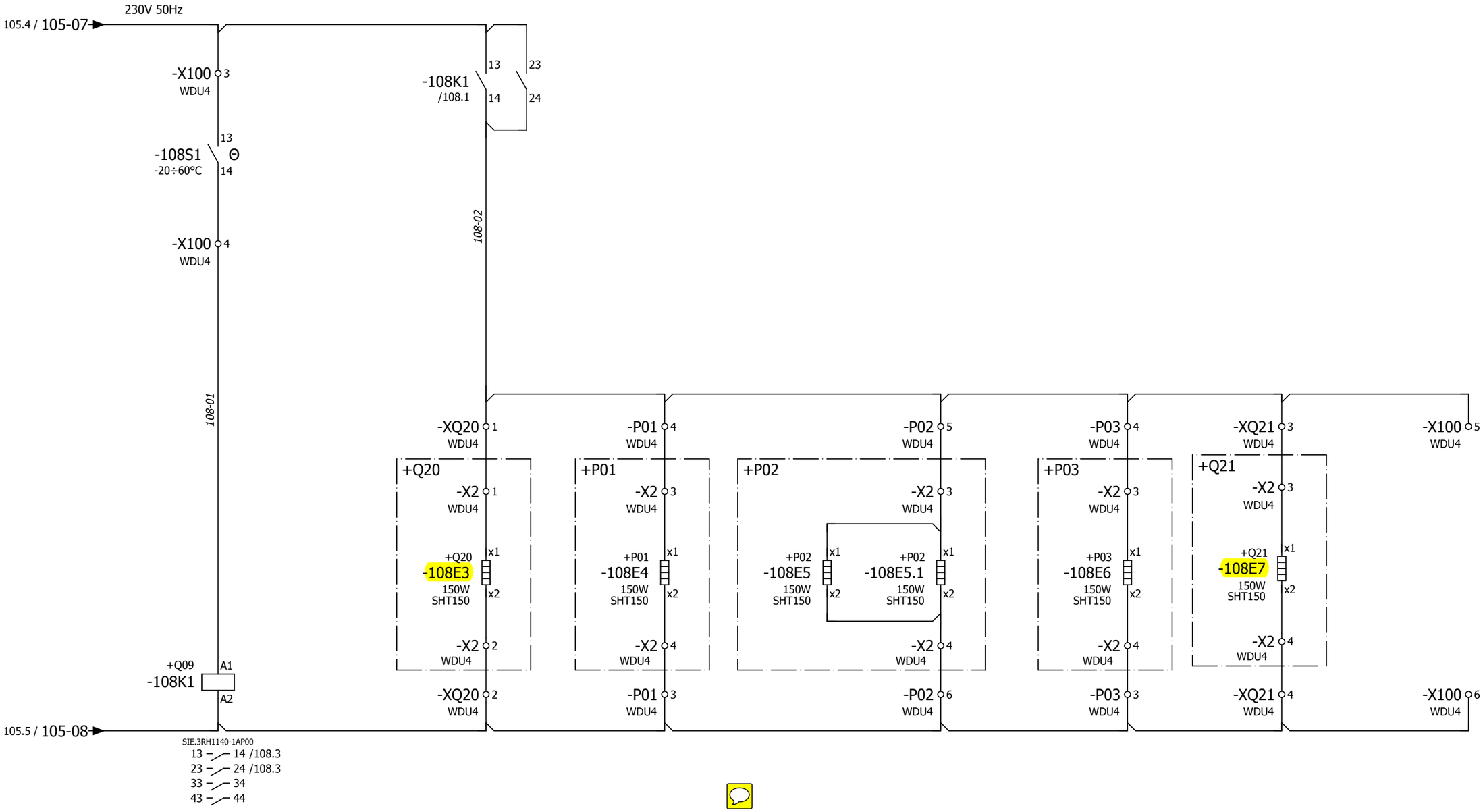
Follow 106



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	INTERNAL LIGHT	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 106 / Follow 107
Rev.	Descript.	Date	Name	Original				Descript.		

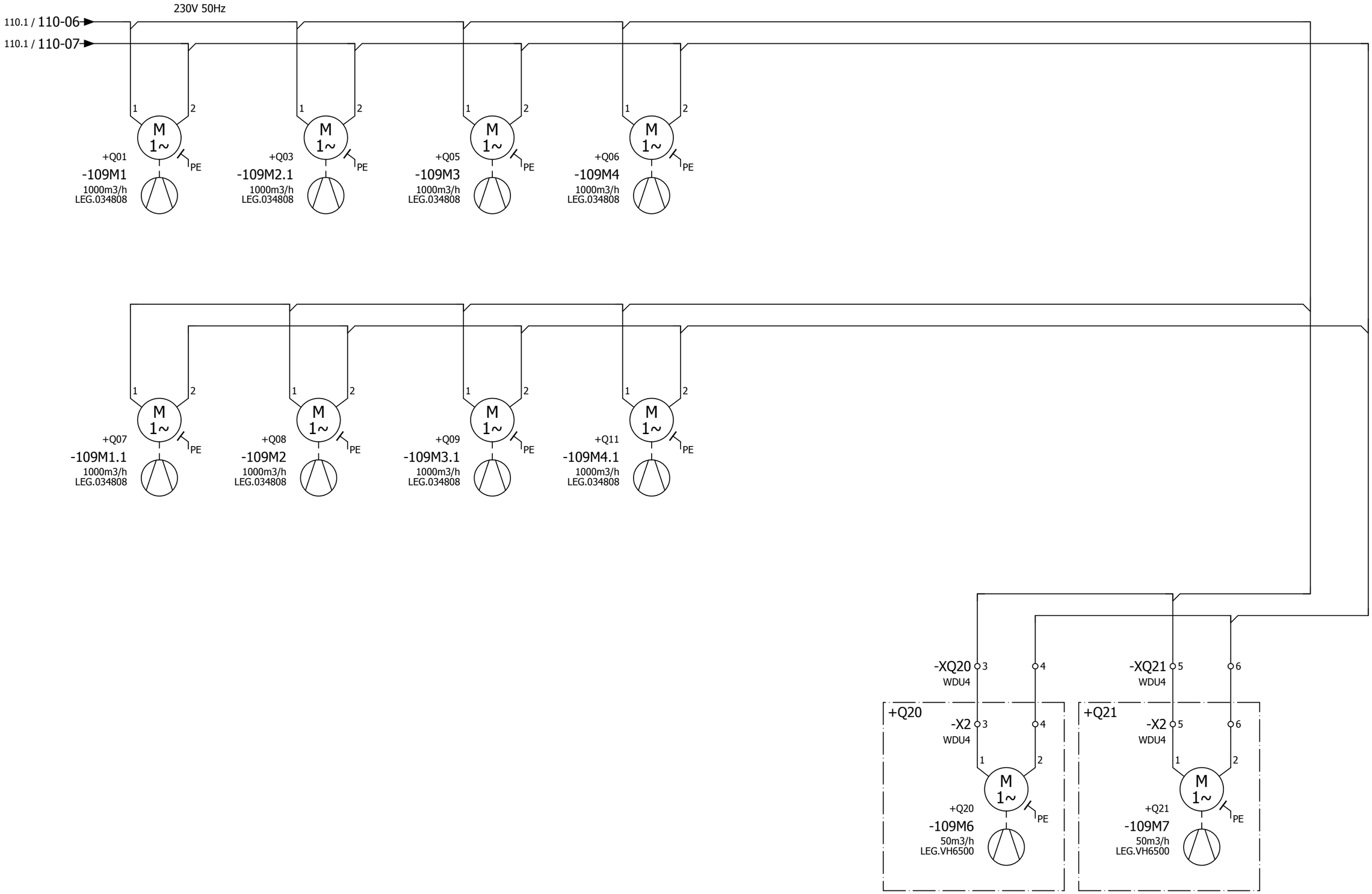


00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	INTERNAL SOCKETS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 107
Rev.	Descript.	Date	Name	Original				Descript.		Follow 108



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	INTERNAL HEATERS
				Drawn	TPM			
				Check	ALE			
Rev.	Descript.	Date	Name	Original				Descript.

NOVASTILMEC A96		= A96	
		+ IL	
Job Nr.	Dwg.Nr. A96	Page	108
		Follow	109



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: POWER SUPPLY
INTERNAL FAN 230V 50Hz

NOVASTILMEC A96

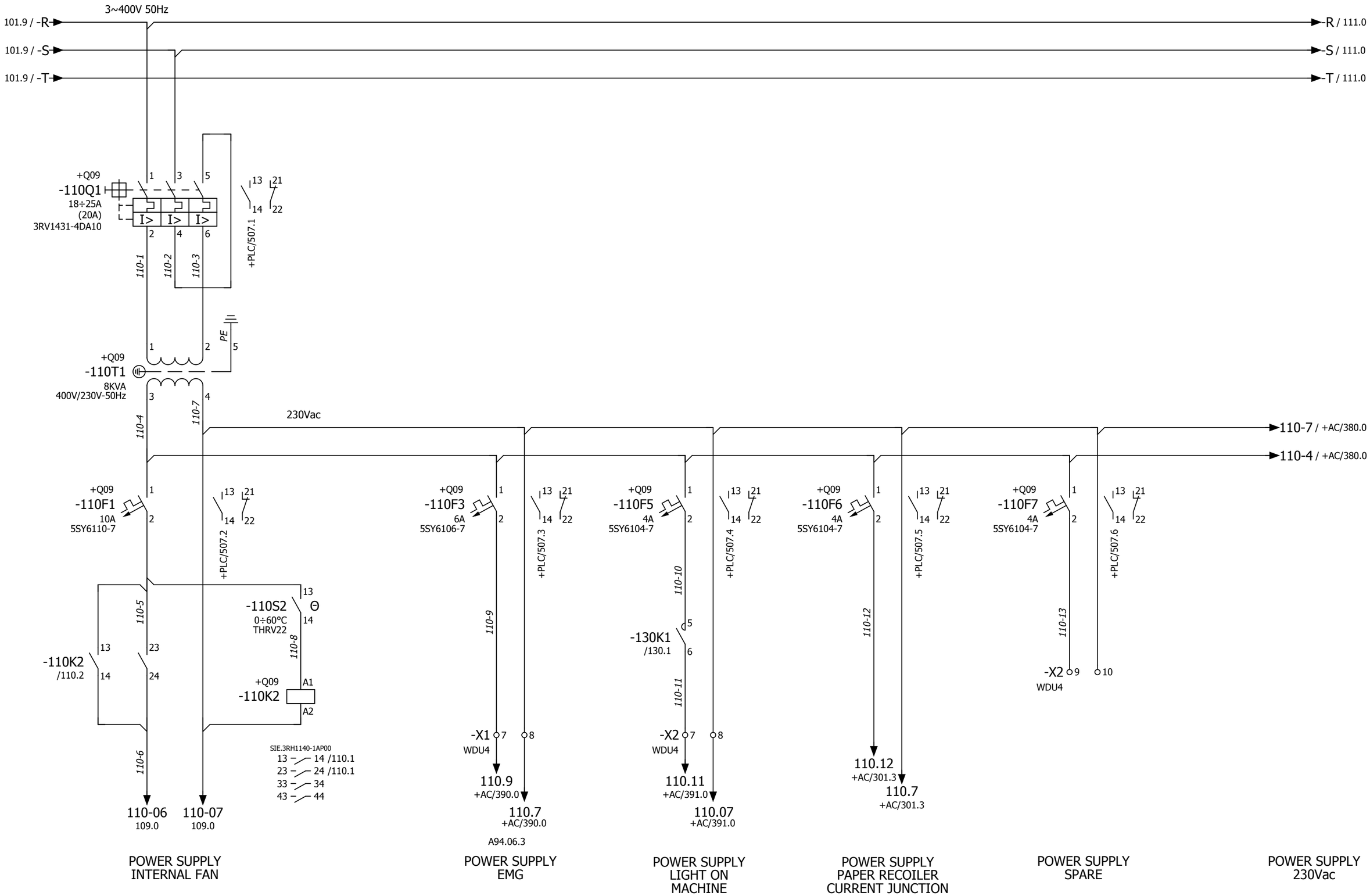
= A96
+ IL

Job Nr.

Dwg.Nr. A96

Page 109

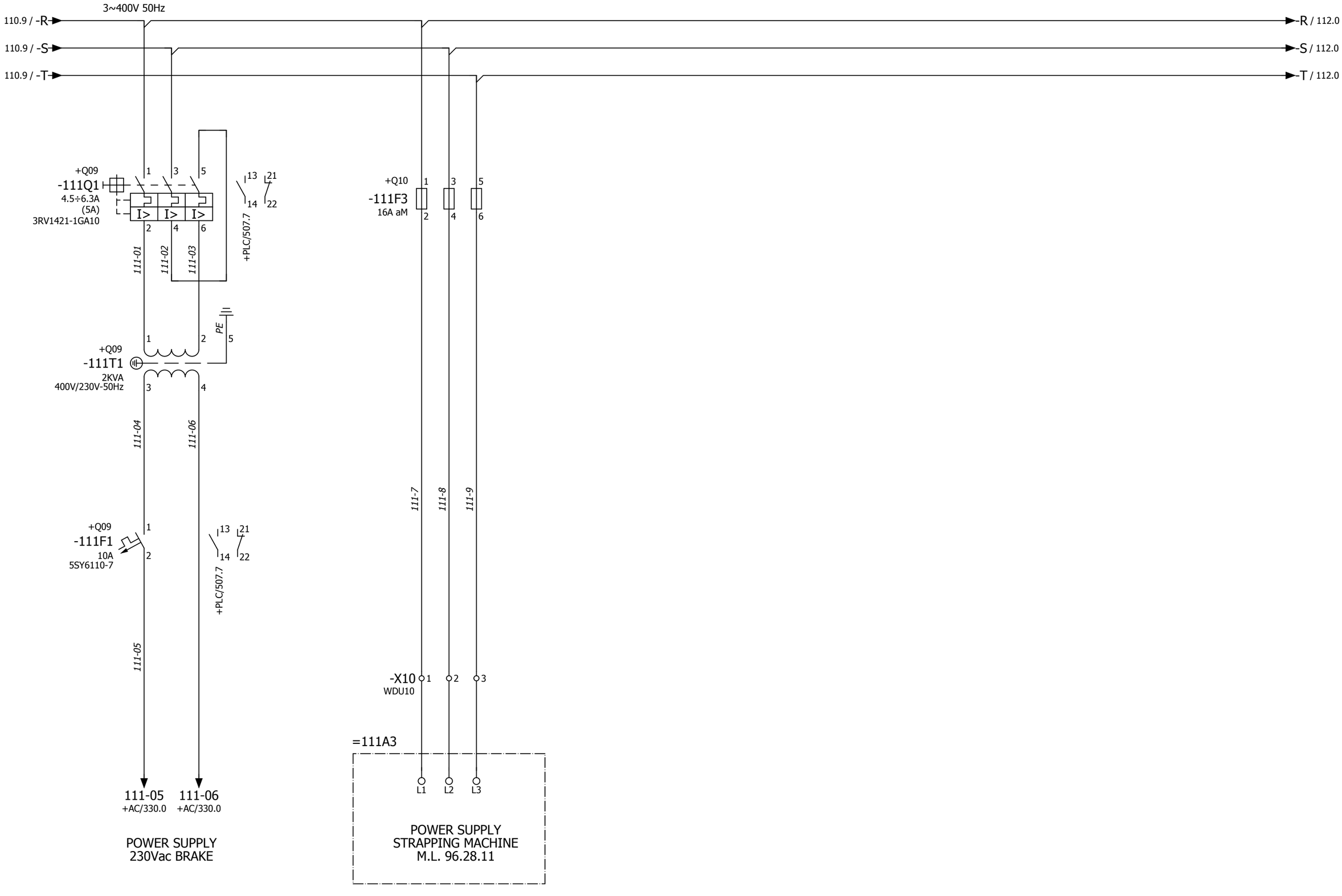
Follow 110



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	AUXILIARY CIRCUIT 230V 50Hz	NOVASTILMEC A96	= A96
				Drawn	TPM			+ IL
				Check	ALE		Job Nr.	Dwg.Nr. A96 / Page 110 / Follow 111
Rev.	Descript.	Date	Name	Original		Descript.		

NOVASTILMEC S.p.A. Coil Processing Equipment

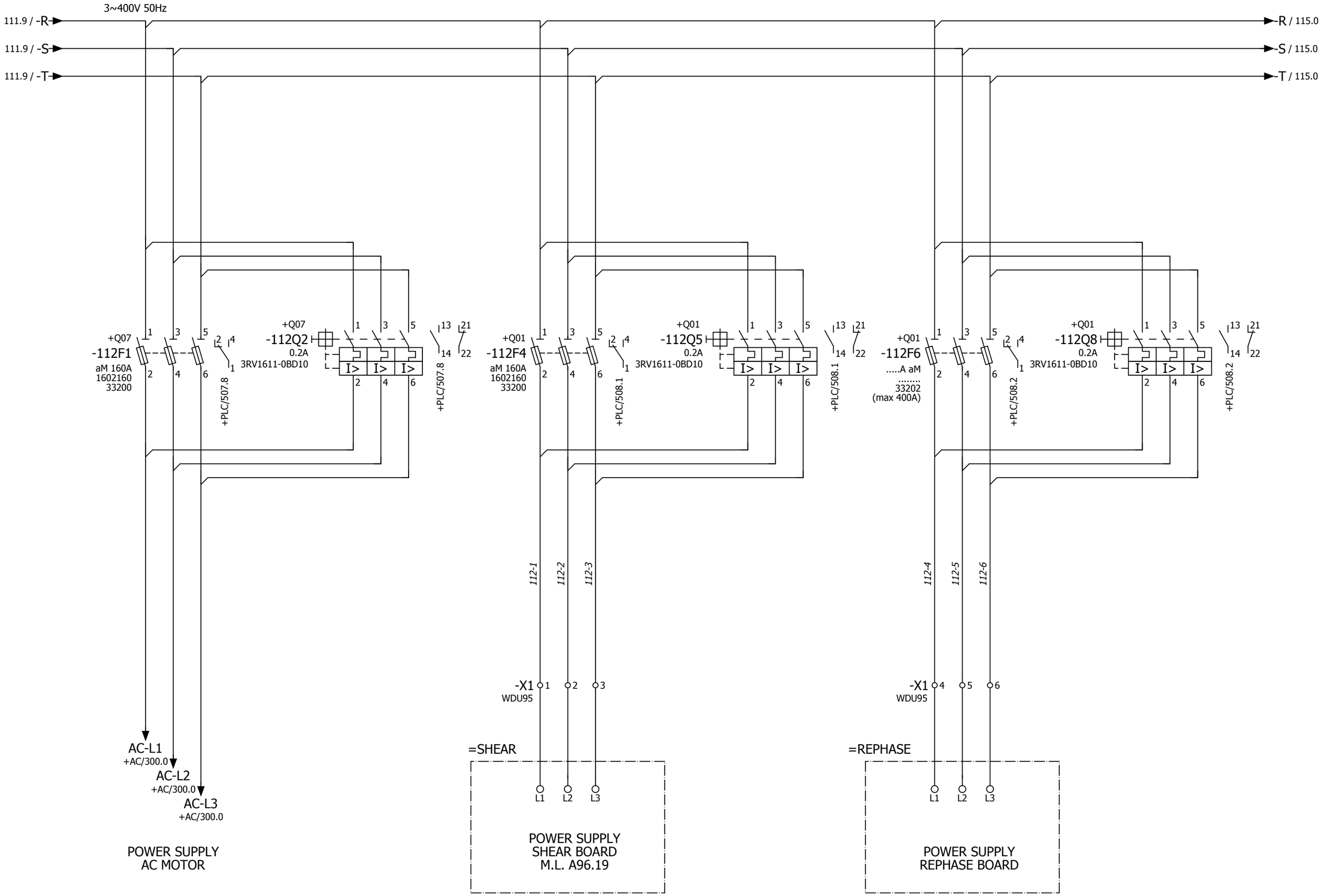
GA-Tech



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	AUXILIARY CIRCUIT 230V 50Hz	NOVASTILMEC A96	= A96	
				Drawn	TPM			+ IL	
				Check	ALE		Job Nr.	Dwg.Nr. A96	Page 111
Rev.	Descript.	Date	Name	Original		Descript.			Follow 112

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY 400V 50Hz

Descript.

NOVASTILMEC A96

= A96

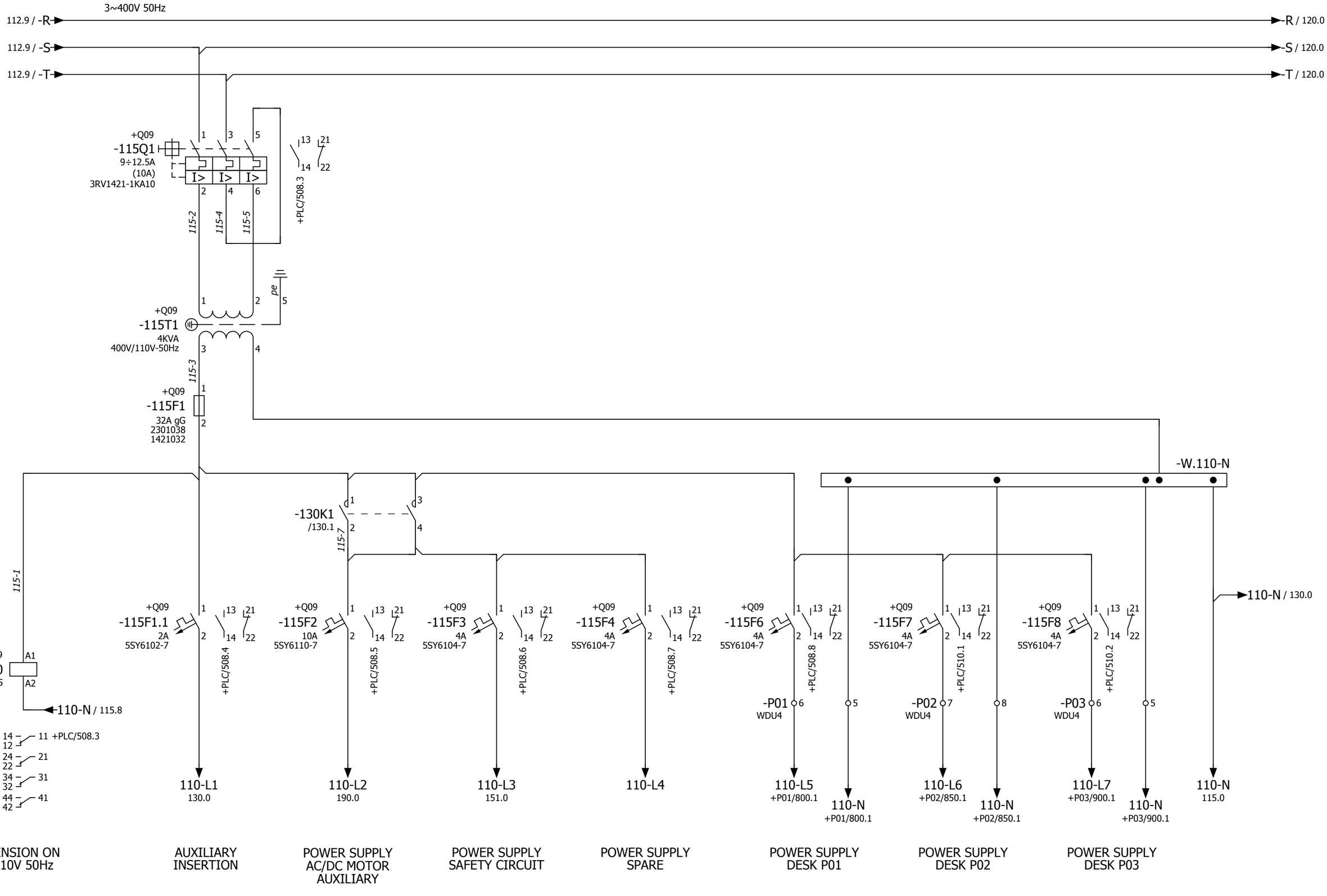
+ IL

Job Nr.

Dwg.Nr. A96

Page 112

Follow 115



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

AUXILIARY CIRCUIT 110V 50Hz

Descript.

NOVASTILMEC A96

= A96

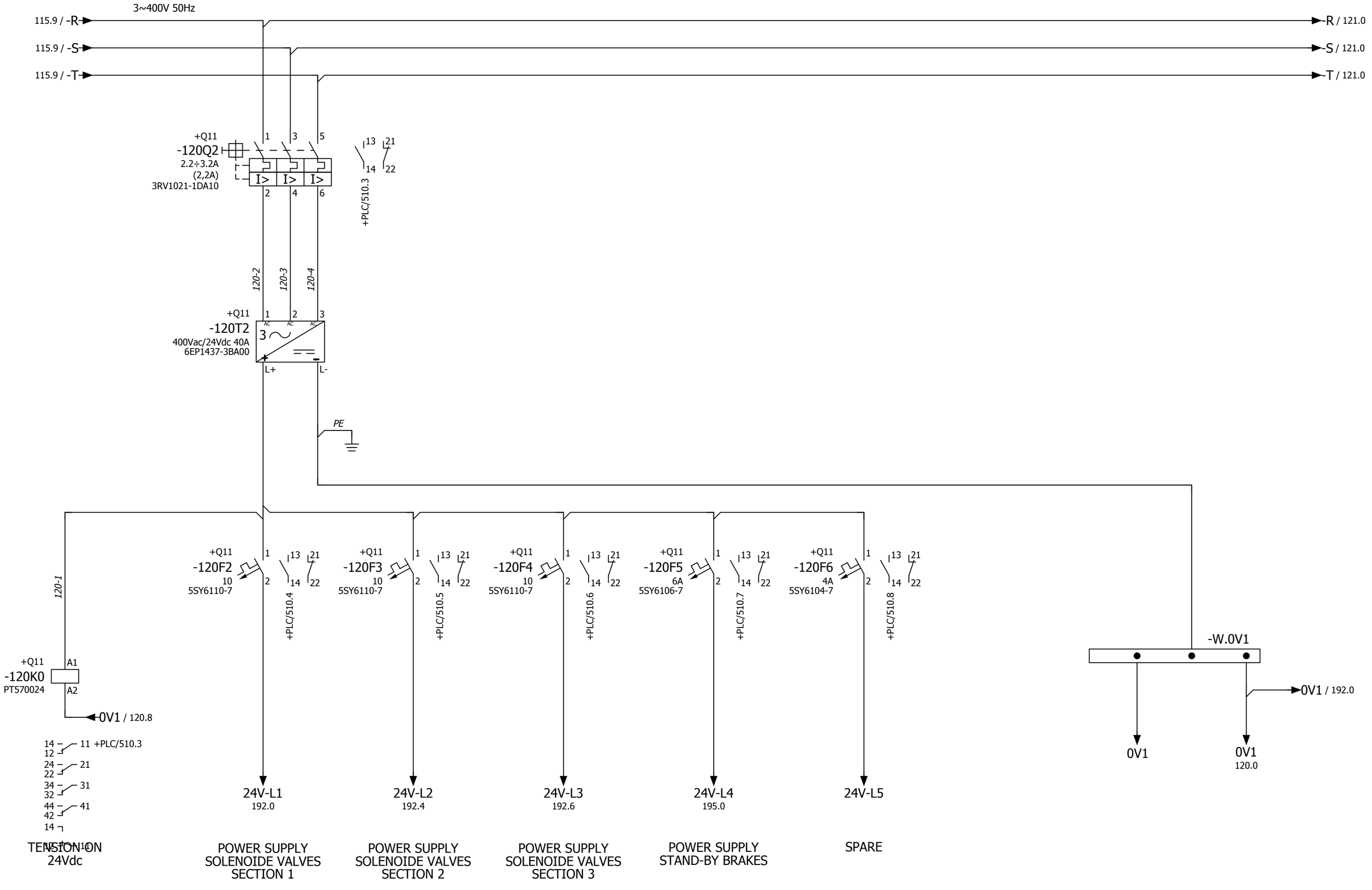
+ IL

Job Nr.

Dwg.Nr. A96

Page 115

Follow 120



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: POWER SUPPLY 24Vdc SOLENOIDE VALVES

NOVASTILMEC A96

= A96

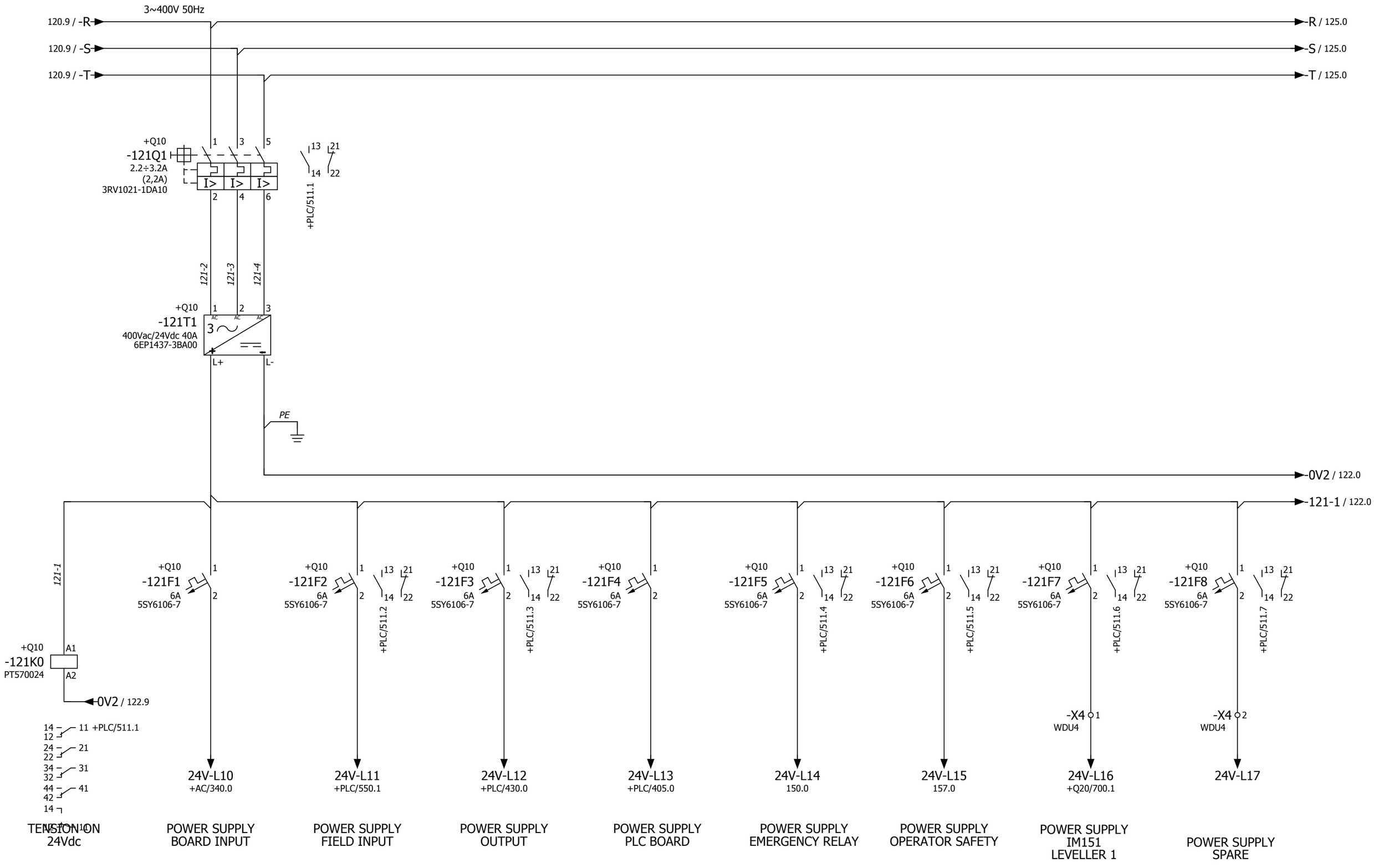
+ IL

Job Nr.

Dwg.Nr. A96

Page 120

Follow 121



Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY 24Vdc

Descript.

NOVASTILMEC A96

= A96

+ IL

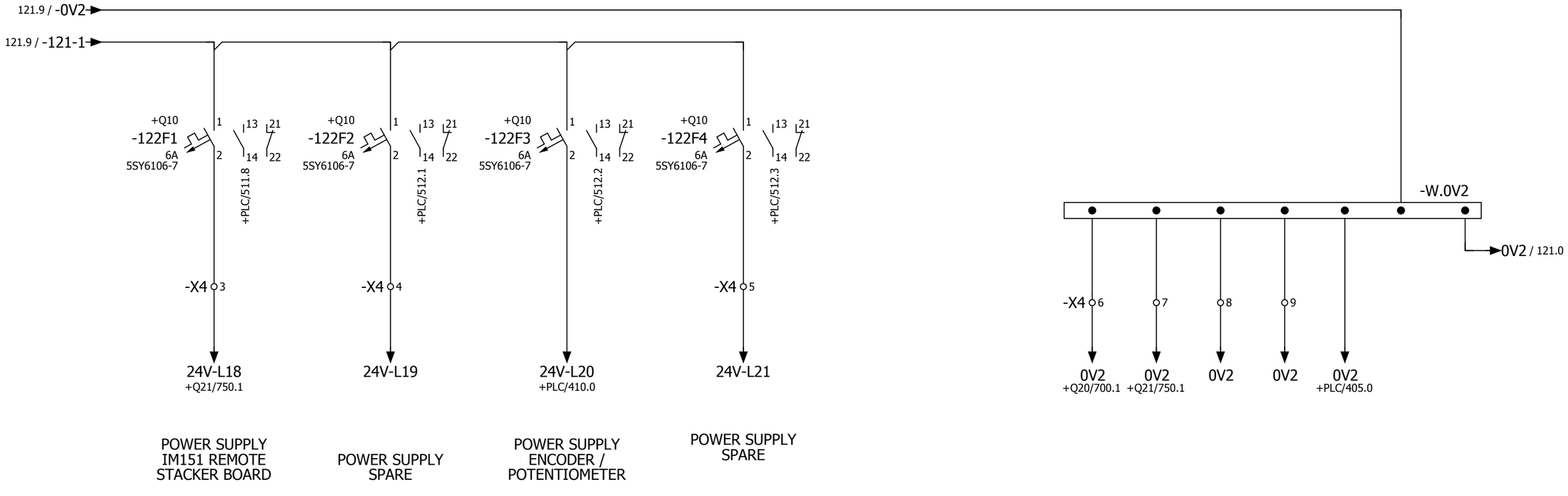
Job Nr.

Dwg.Nr. A96

Page 121

Follow 122

0	1	2	3	4	5	6	7	8	9



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY 24Vdc

Descript.

NOVASTILMEC A96

= A96

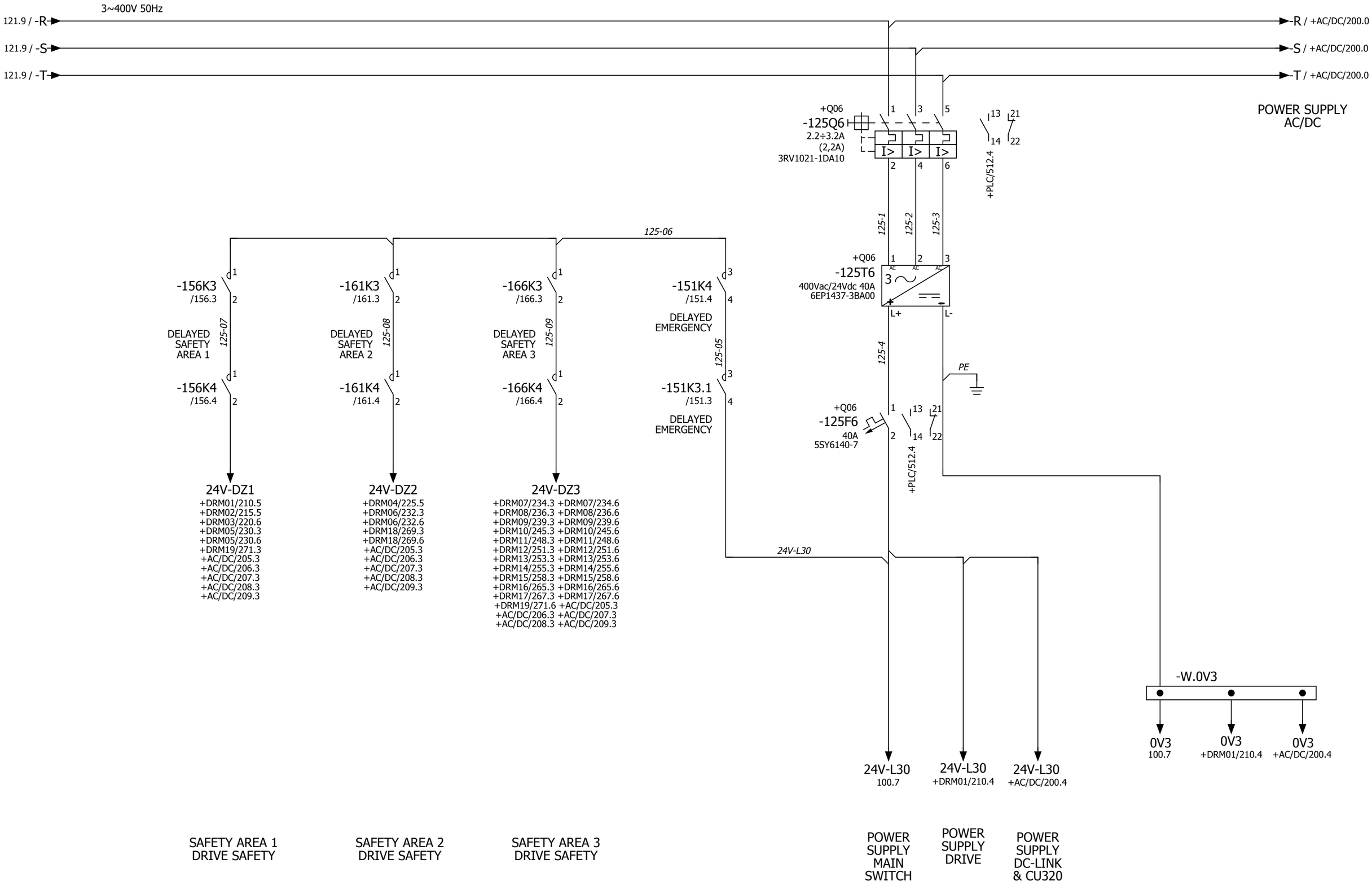
+ IL

Job Nr.

Dwg.Nr. A96

Page 122

Follow 125



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY 24Vdc DRIVE

Descript.

NOVASTILMEC A96

= A96

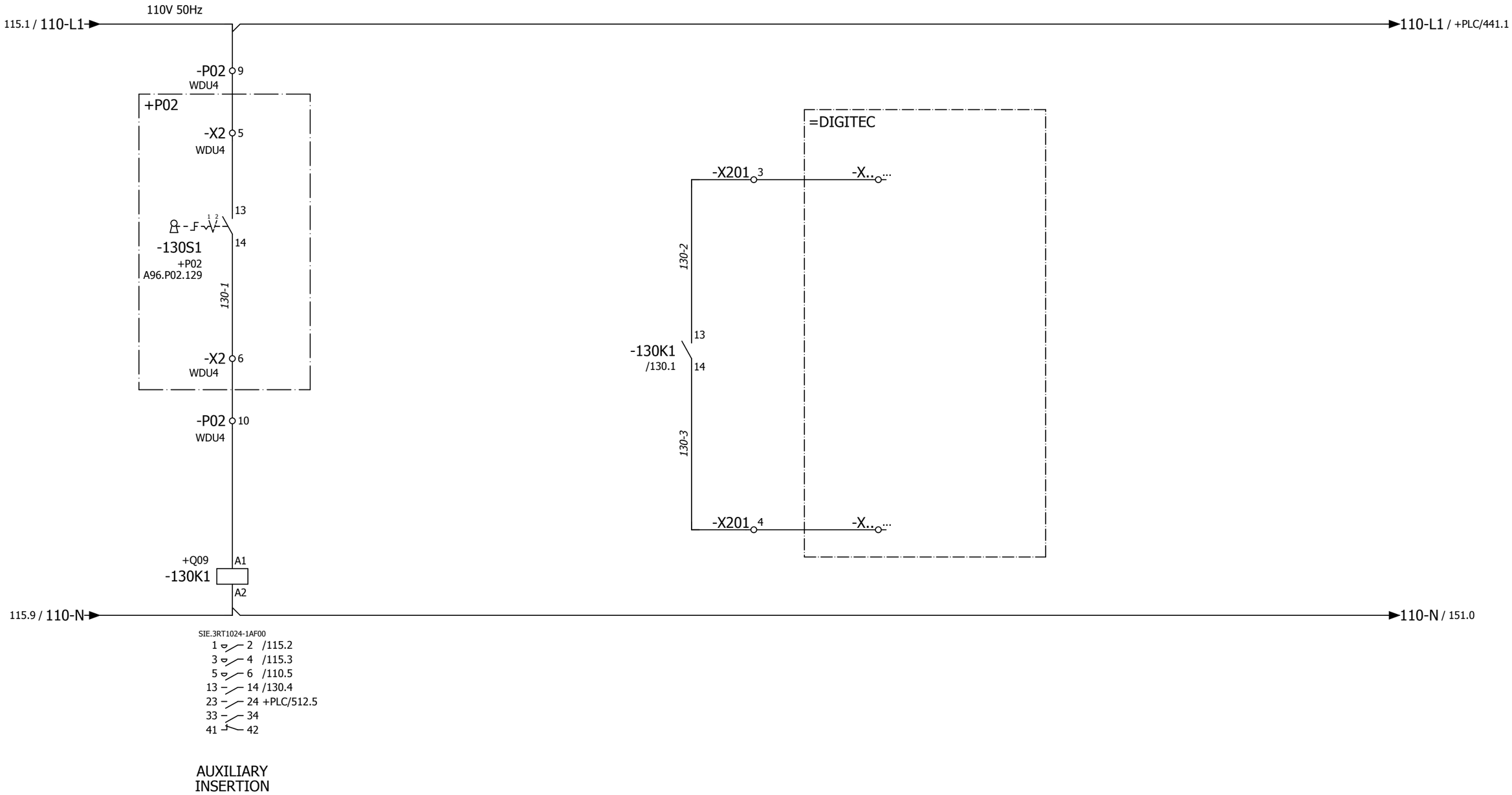
+ IL

Job Nr.

Dwg.Nr. A96

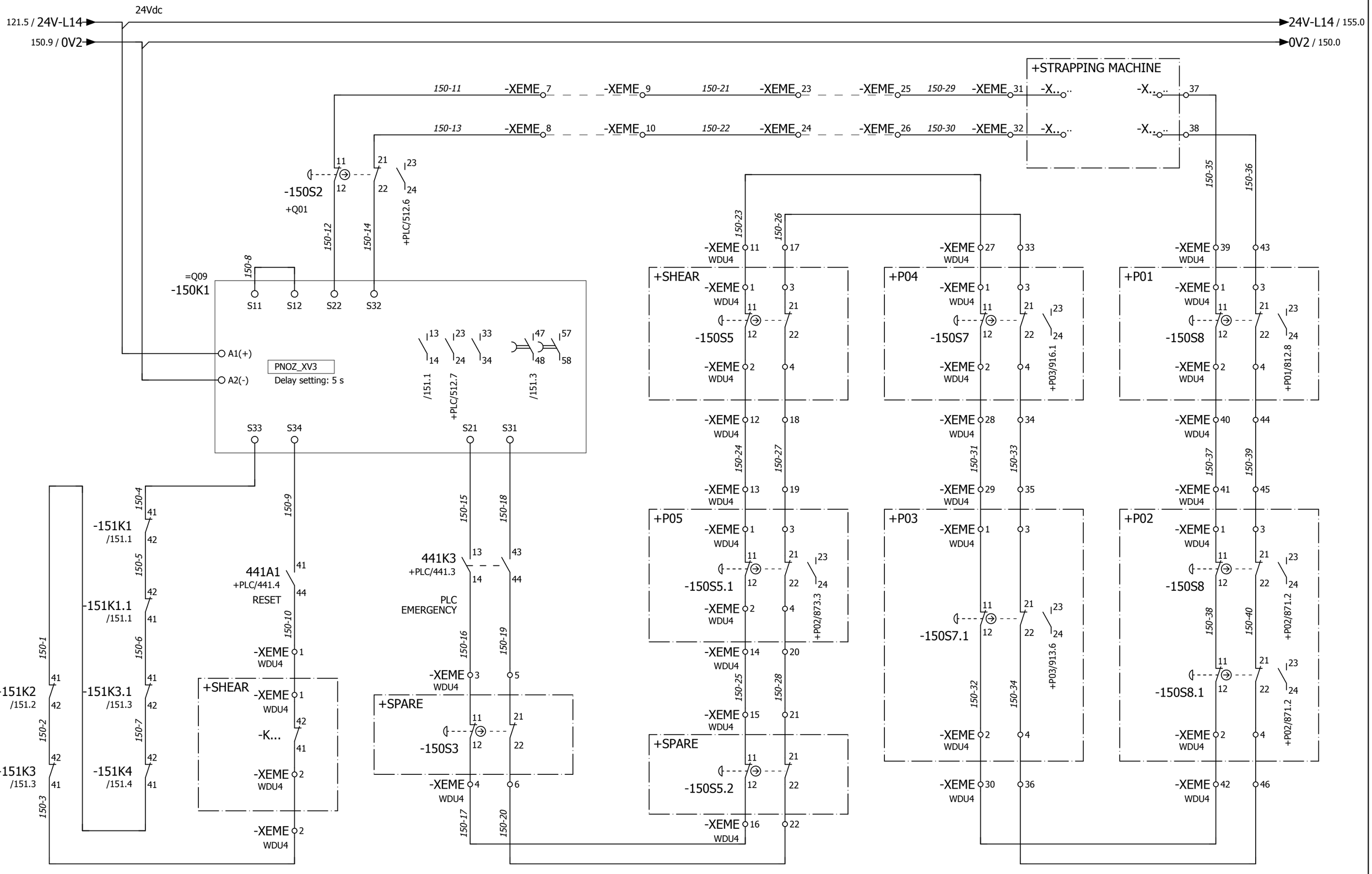
Page 125

Follow 130



AUXILIARY
INSERTION

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	AUXILIARY INSERTION	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 130
Rev.	Descript.	Date	Name	Original				Descript.		Follow 150



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

EMERGENCY RELAY

Descript.

NOVASTILMEC A96

= A96

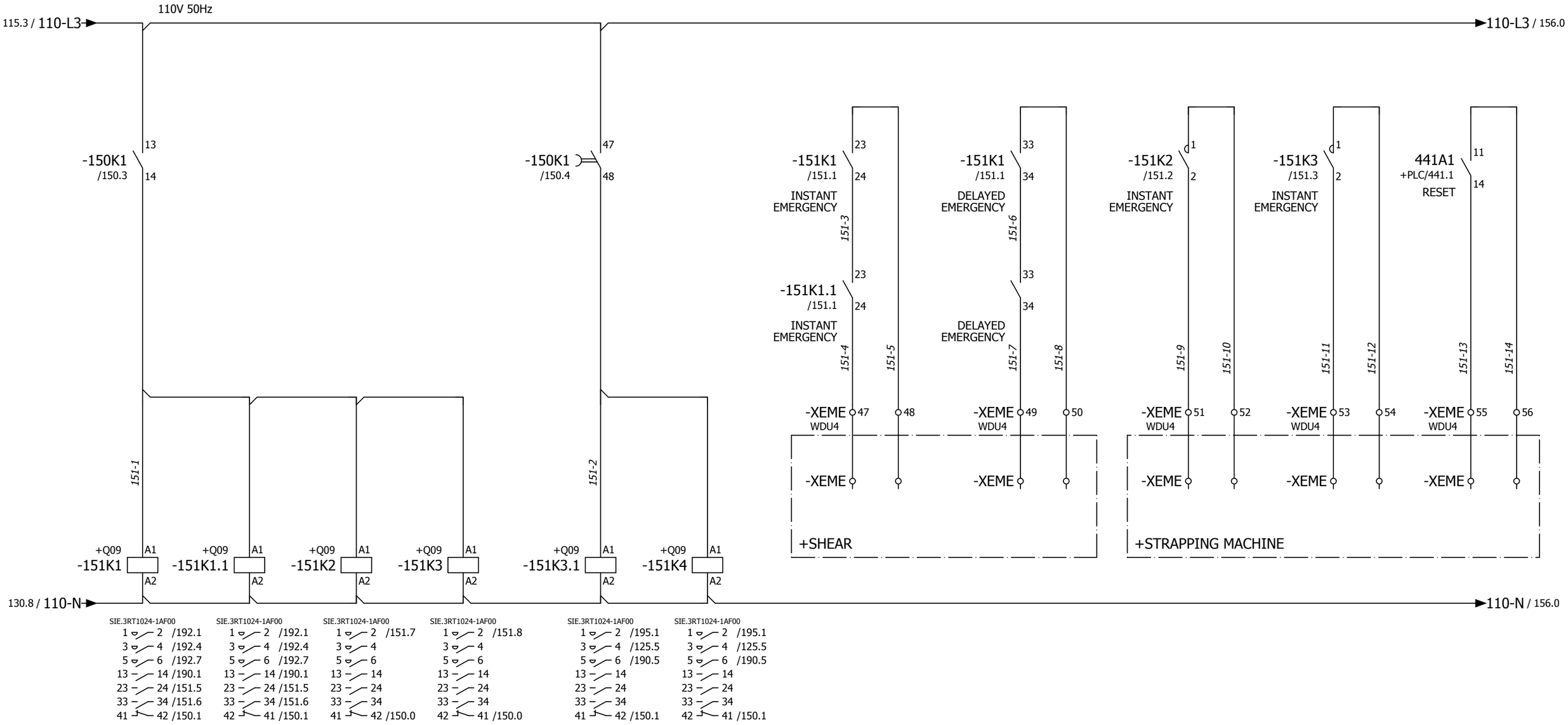
+ IL

Job Nr.

Dwg.Nr. A96

Page 150

Follow 151



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: EMERGENCY RELAY AUXILIARY CIRCUIT

NOVASTILMEC A96

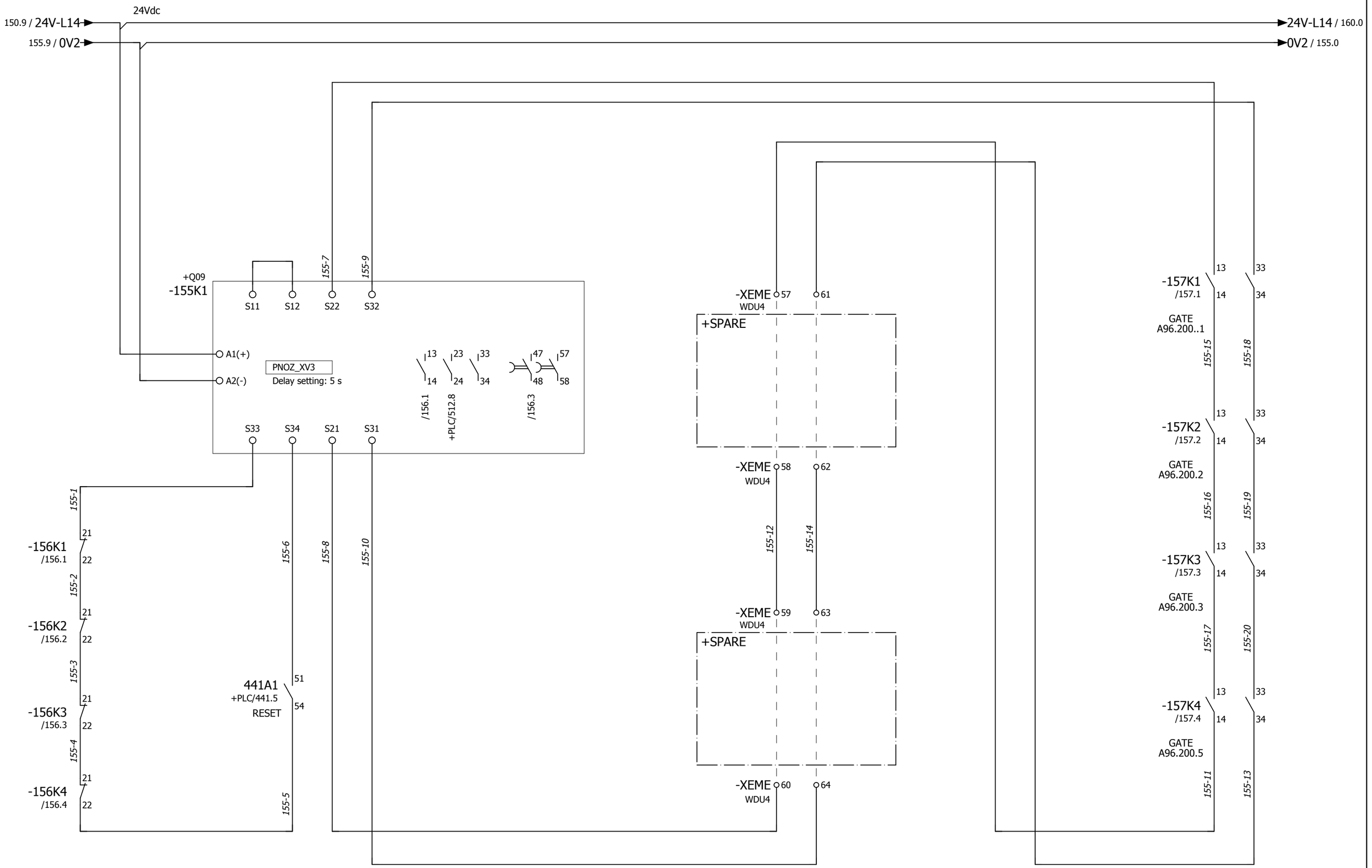
= A96
+ IL

Job Nr.

Dwg.Nr. A96

Page 151

Follow 155



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

SAFETY AREA 1

Descript.

NOVASTILMEC A96

= A96

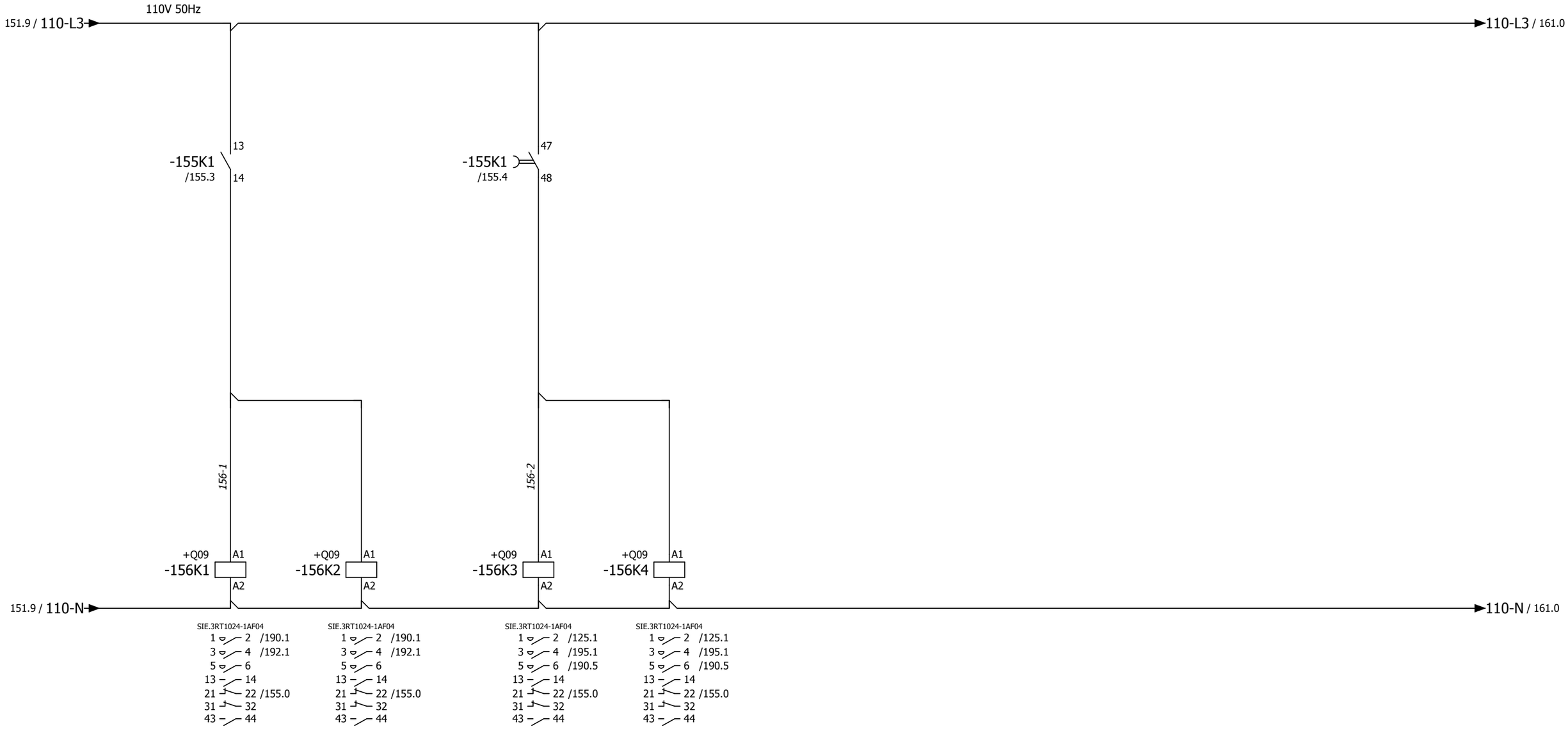
+ IL

Job Nr.

Dwg.Nr. A96

Page 155

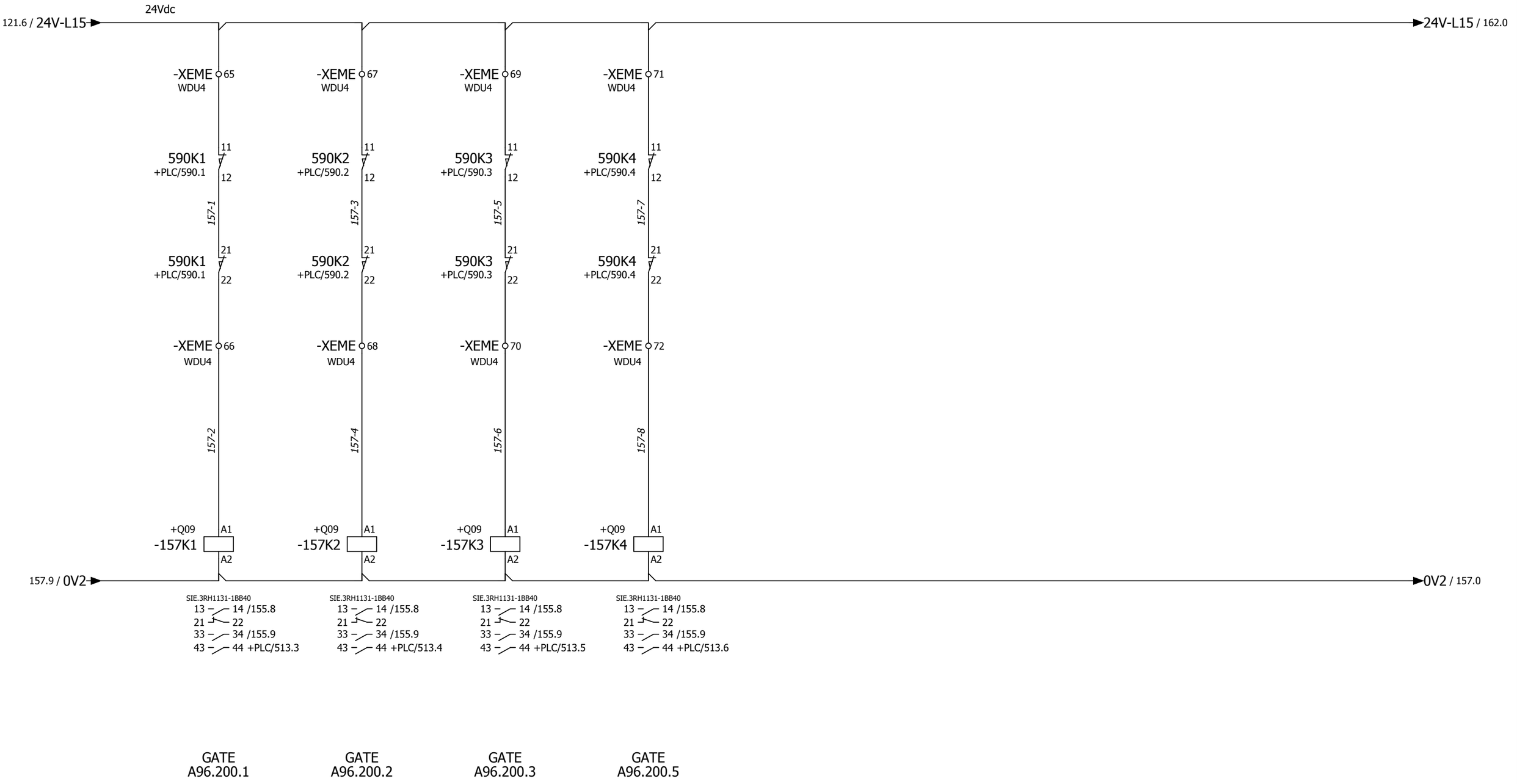
Follow 156



INSTANT CONTACTS

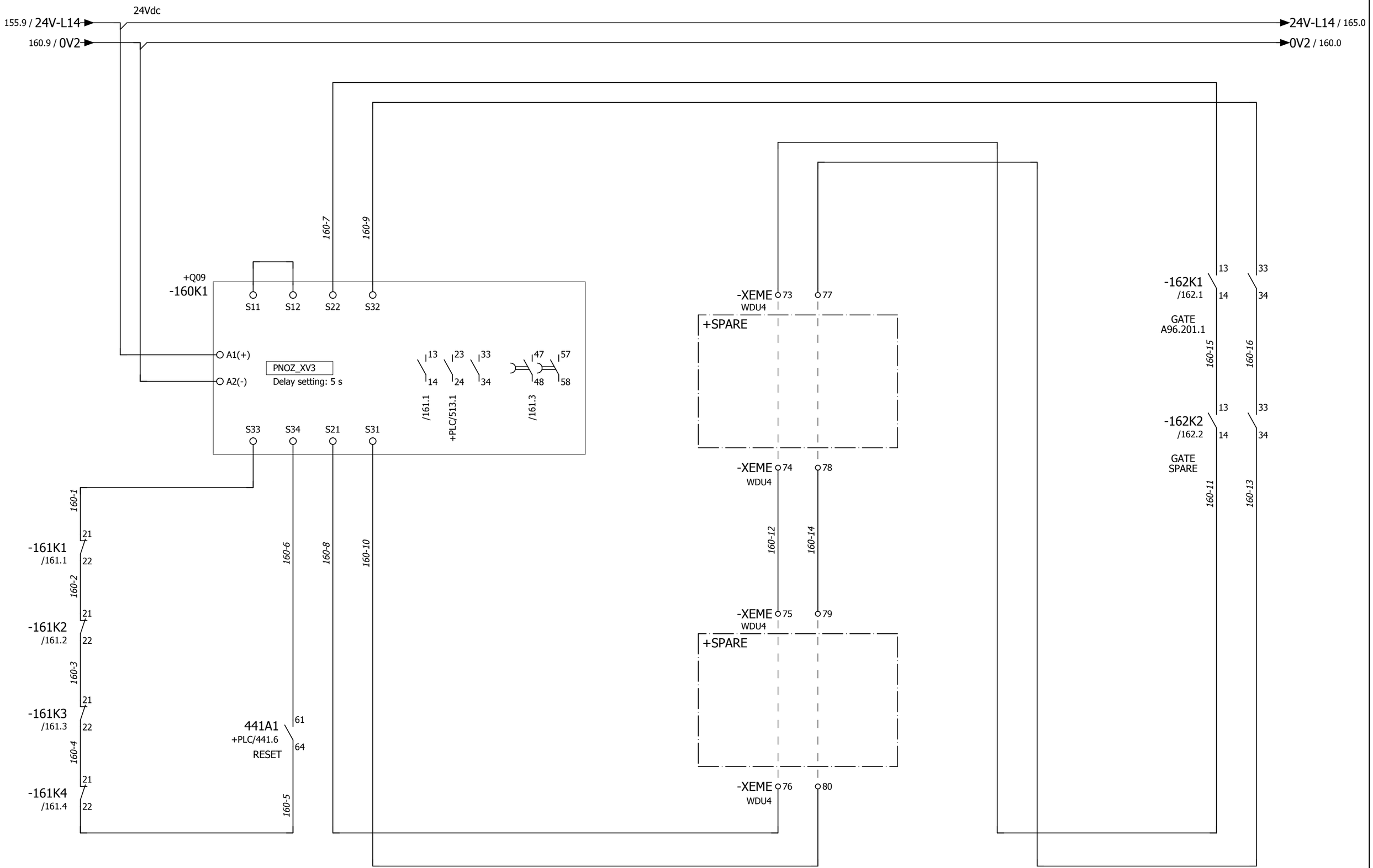
DELAYED CONTACTS

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SAFETY AREA 1	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page 156
Rev.	Descript.	Date	Name	Original				Descript.			Follow 157

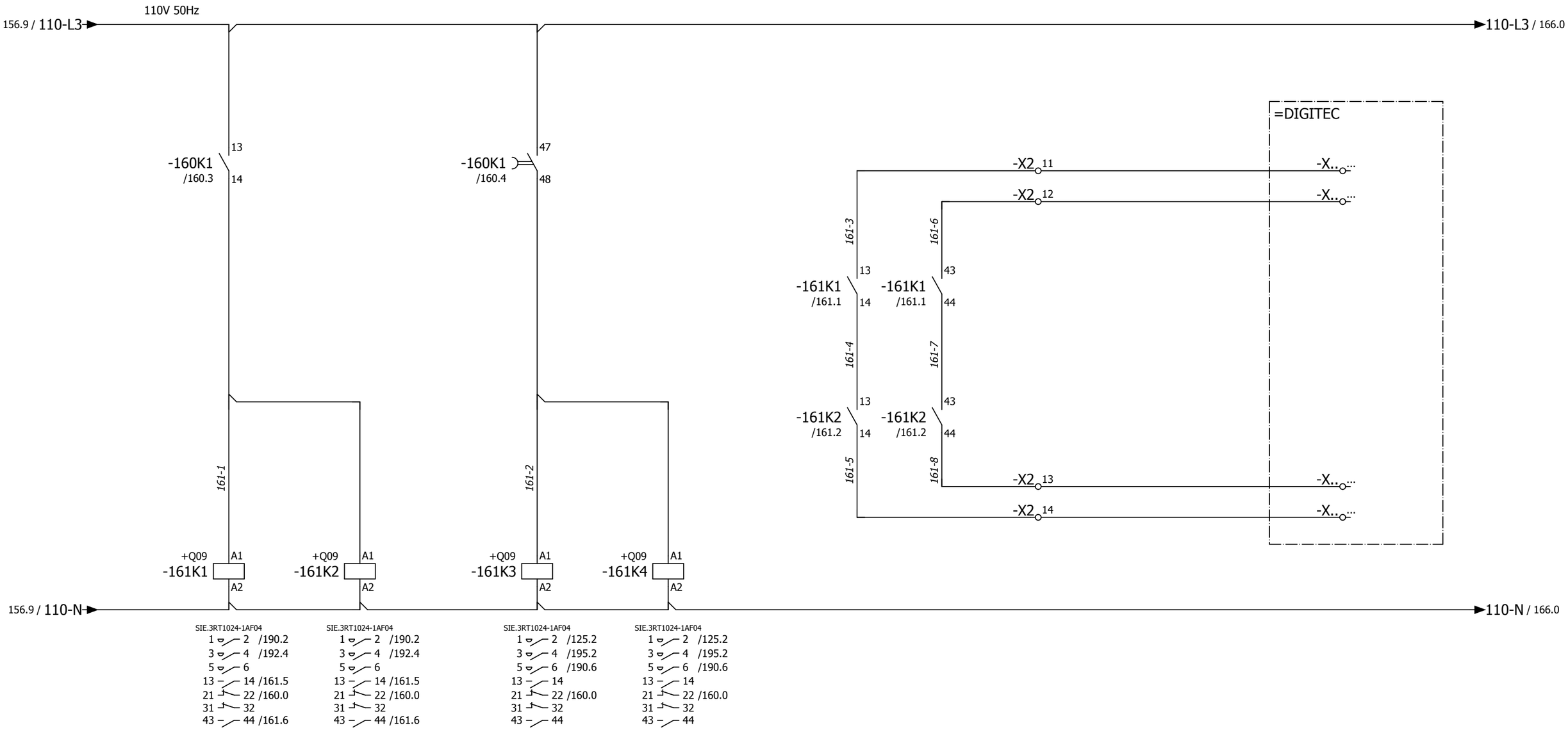


00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SAFETY AREA 1
				Drawn	TPM			
				Check	ALE			
Rev.	Descript.	Date	Name	Original				Descript.

NOVASTILMEC A96		= A96	
		+ IL	
Job Nr.	Dwg.Nr. A96	Page	157
		Follow	160



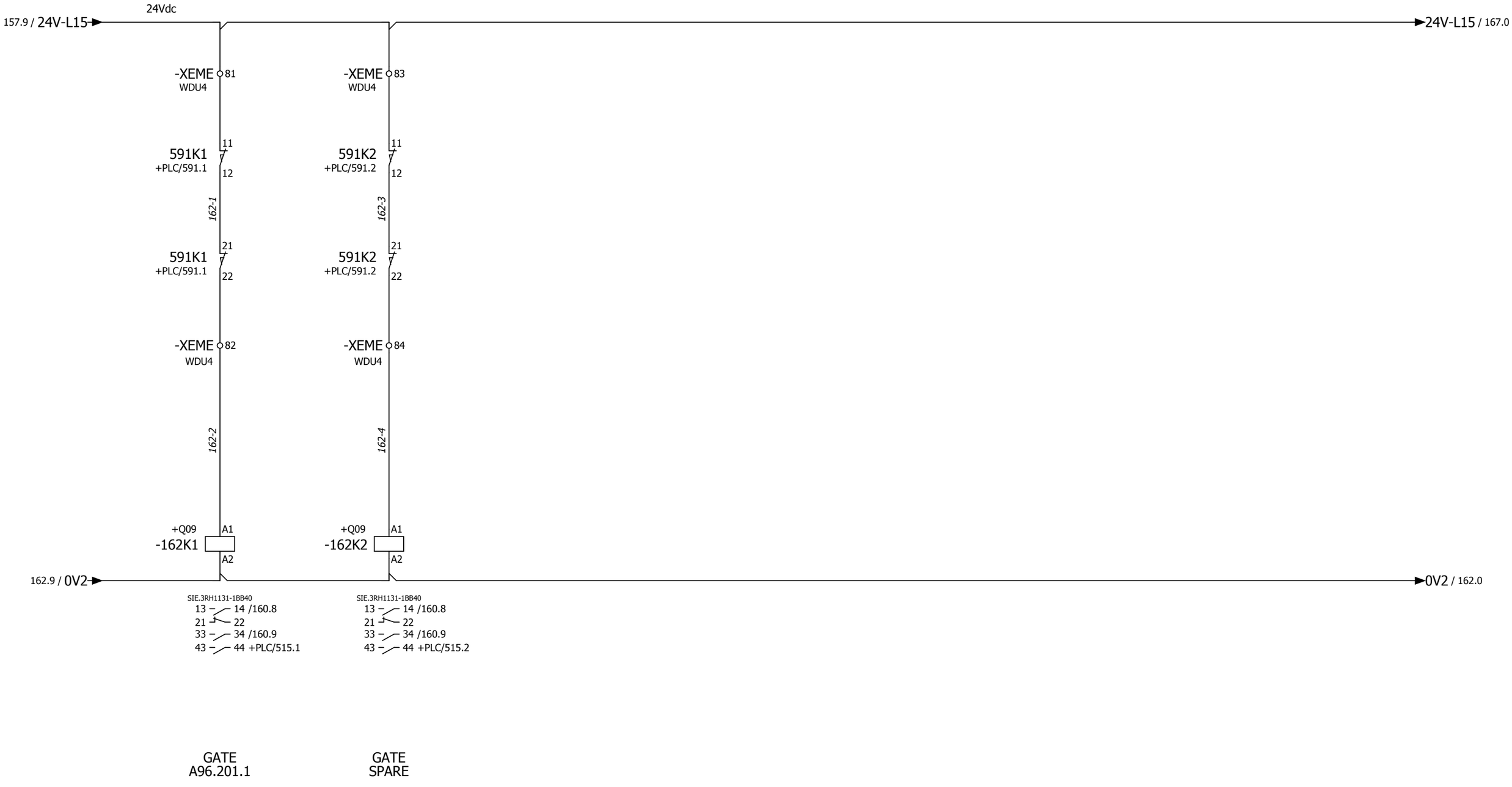
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SAFETY AREA 2	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96
Rev.	Descript.	Date	Name	Original				Descript.		Page 160 / Follow 161



INSTANT CONTACTS

DELAYED CONTACTS

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SAFETY AREA 2	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96
Rev.	Descript.	Date	Name	Original				Descript.		Page 161
										Follow 162



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SAFETY AREA 2	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page 162
Rev.	Descript.	Date	Name	Original				Descript.			Follow 165

160.9 / 24V-L14 → 24Vdc → 24V-L14 /

165.9 / 0V2 → 0V2 / 165.0

+Q09
-165K1
S11 S12 S22 S32
A1(+)
A2(-)
PNOZ_XV3
Delay setting: 5 s
13 14 23 24 33 34 47 48 57 58
/166.1 +PLC/513.2 /166.3
S33 S34 S21 S31

165-7 165-9 165-11 165-13

-XEME WDU4 85 89
+SPARE
-XEME WDU4 86 90
-XEME WDU4 87 91
+SPARE
-XEME WDU4 88 92

165-1 165-2 165-3 165-4 165-5 165-6 165-8 165-10 165-12 165-14

-166K1 /166.1 21 22
-166K2 /166.2 21 22
-166K3 /166.3 21 22
-166K4 /166.4 21 22
441A1 +PLC/441.7 RESET 71 74

165-15 165-16 165-17 165-18 165-19 165-20

-167K1 /167.1 13 14 33 34 GATE A96.202.1
-167K2 /167.2 13 14 33 34 GATE A96.202.2
-167K3 /167.3 13 14 33 34 GATE A96.202.3
-167K4 /167.4 13 14 33 34 GATE SPARE

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript. SAFETY AREA 3

NOVASTILMEC A96

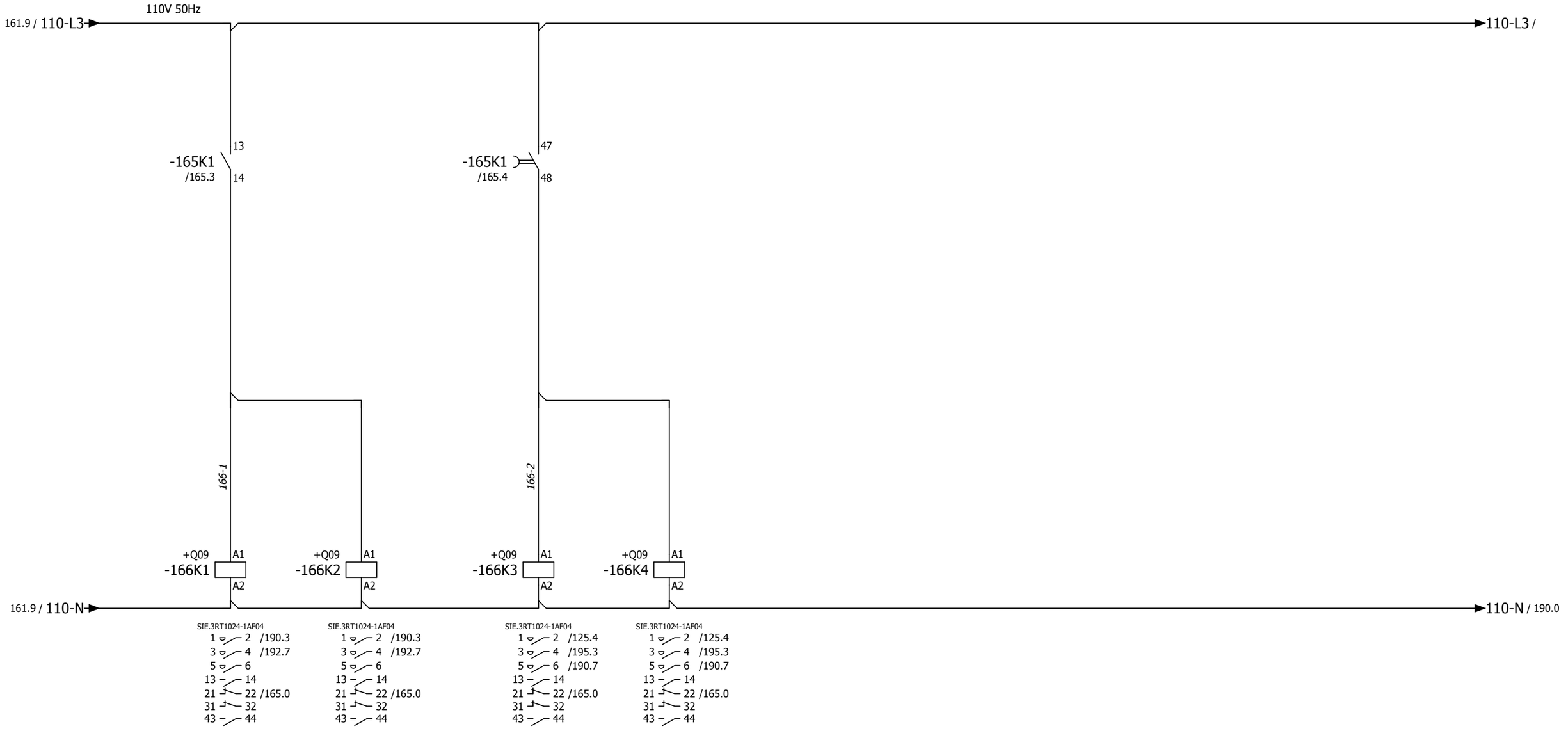
= A96
+ IL

Job Nr.

Dwg.Nr. A96

Page 165

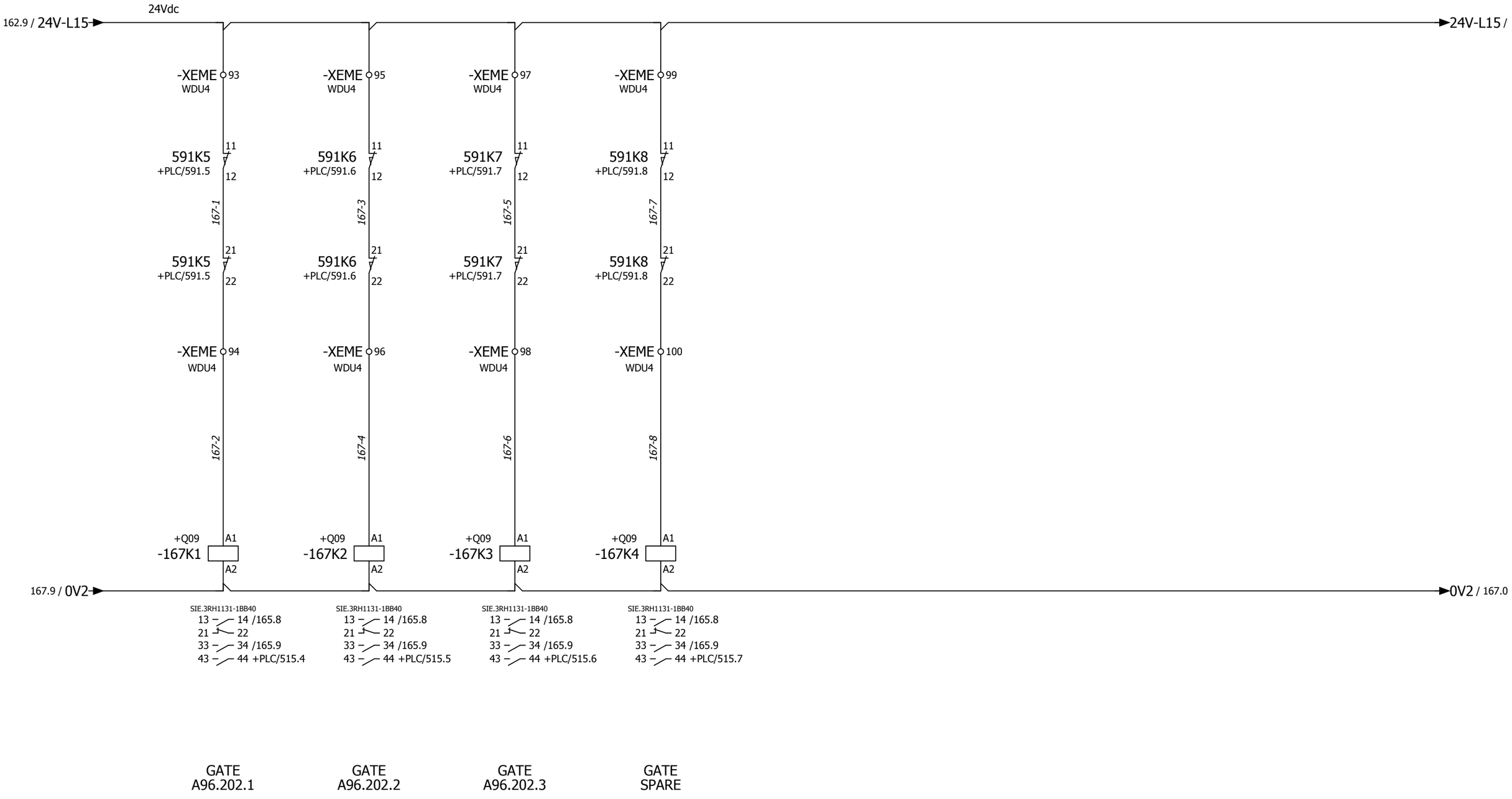
Follow 166



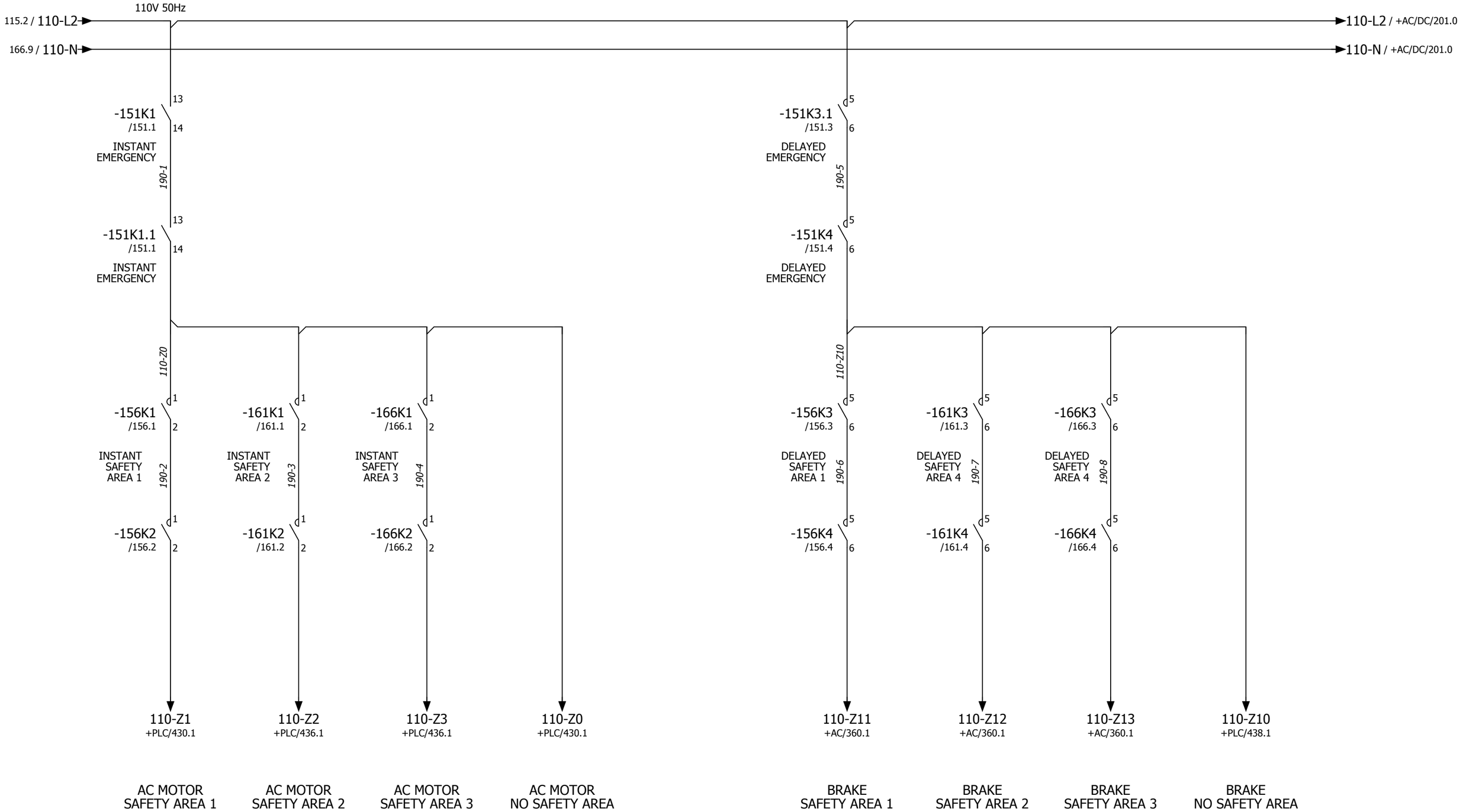
INSTANT CONTACTS

DELAYED CONTACTS

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SAFETY AREA 3	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96
Rev.	Descript.	Date	Name	Original				Descript.		Page 166 / Follow 167



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SAFETY AREA 3	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 167
Rev.	Descript.	Date	Name	Original				Descript.		Follow 190



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: POWER SUPPLY MOTOR CIRCUIT

NOVASTILMEC A96

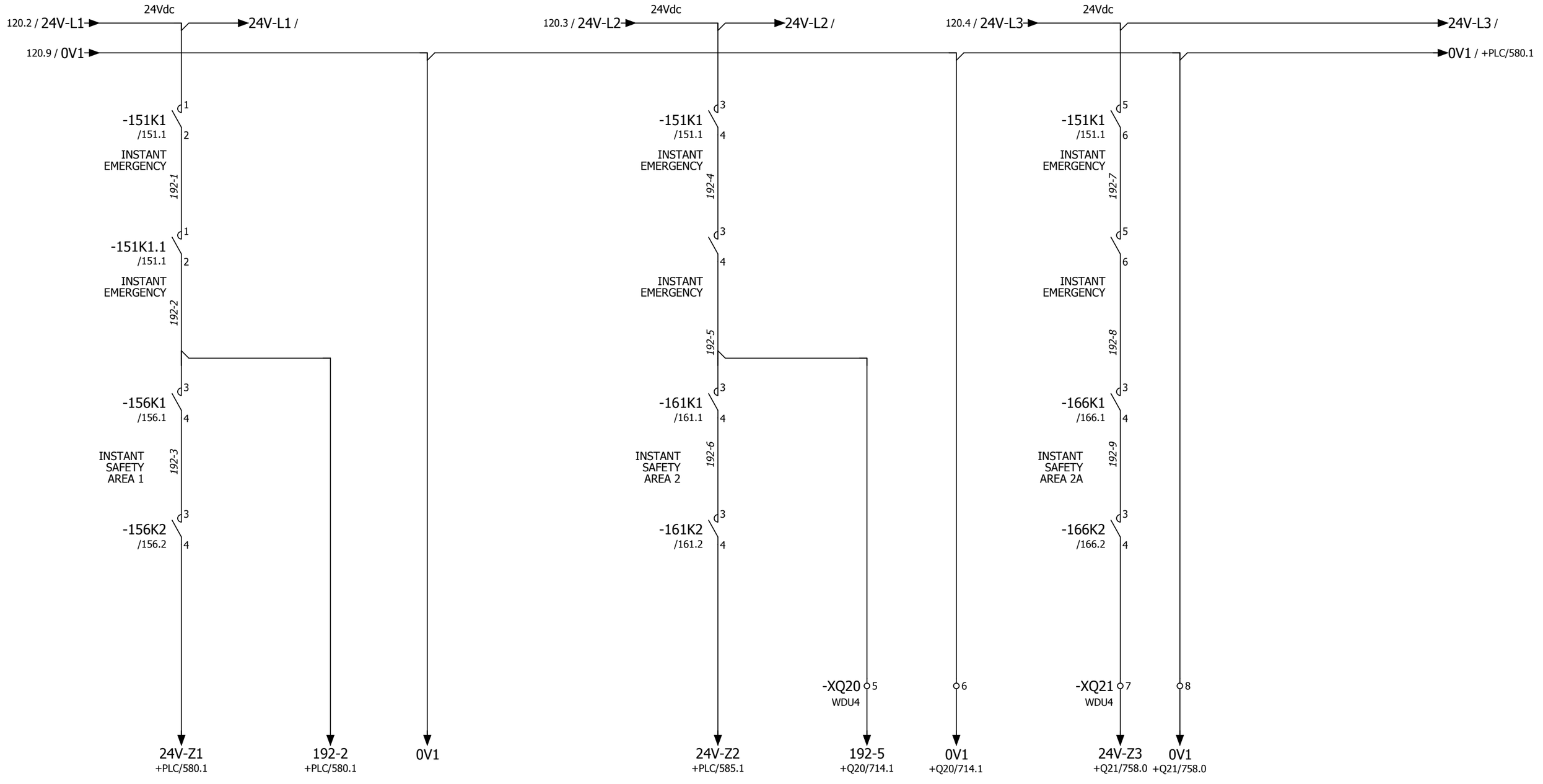
= A96
+ IL

Job Nr.

Dwg.Nr. A96

Page 190

Follow 192



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY SOLENOIDE VALVES

Descript.

NOVASTILMEC A96

= A96

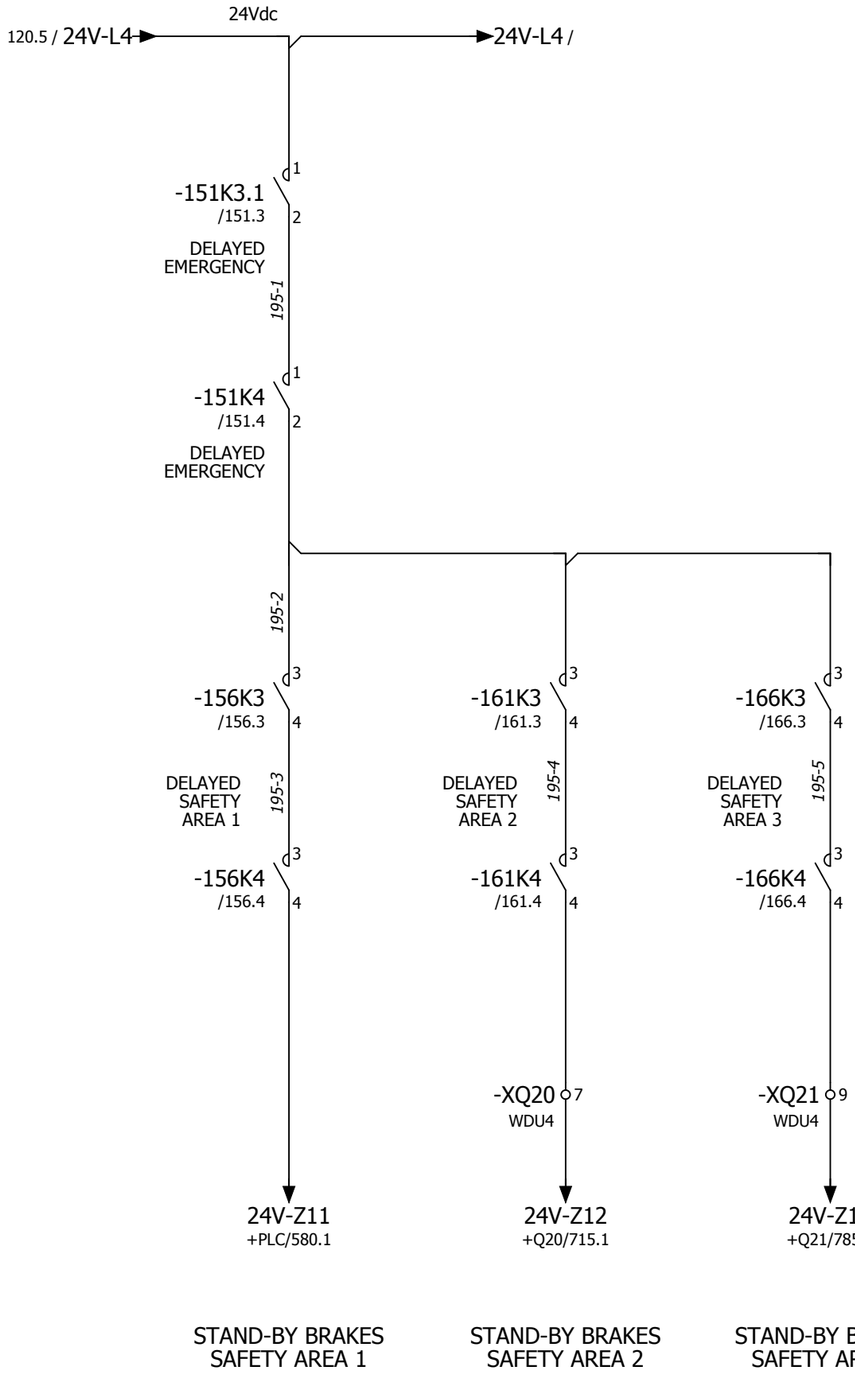
+ IL

Job Nr.

Dwg.Nr. A96

Page 192

Follow 195



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	POWER SUPPLY STAND-BY BRAKES	NOVASTILMEC A96	= A96
				Drawn	TPM					+ IL
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 195
Rev.	Descript.	Date	Name	Original				Descript.		Follow +AC/DC/200

3~400V 50Hz

+IL/125.9 / +IL-R → -R / +DRM03/220.7

+IL/125.9 / +IL-S → -S / +DRM03/220.7

+IL/125.9 / +IL-T → -T /

+Q02
-201F1
560A gR
3NE1435-2
2503013

201-1 201-2 201-3

202K2
/201.2

201-4 201-5 201-6

+Q02
-201L1
630/800KW
1430A 380-480V 50/60Hz
6SL3000-0EE41-4AA0

201-7 201-8 201-9

+IL/125.7/ 24V-L31 → -24V-L31 / 205.0

+IL/125.9/ 0V4 → -0V4 / 205.0

24Vdc

201.1
202-1

201.1
201-4

+Q02
-201T1

U1 V1 W1 PE SH1 | L1 L2 L3 | -X9 1 2 3 4 5 6 7 8 | -X41 2 1 3 4

PRECHARGING

SIEMENS

SINAMICS S120 POWER MODULE
BLOCKSIZE
6SL3330-6TE35-5AA0

DCN DCP/R1 | BRAKING MODULE: DCNA DCPA | DRIVE-CLiQ: -X400

-CLiq0
205.2

600Vdc

-DCN / +DRM01/210.0

-DCP / +DRM01/210.0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

CONVERTER AC-DC BUS

Descript.

NOVASTILMEC A96

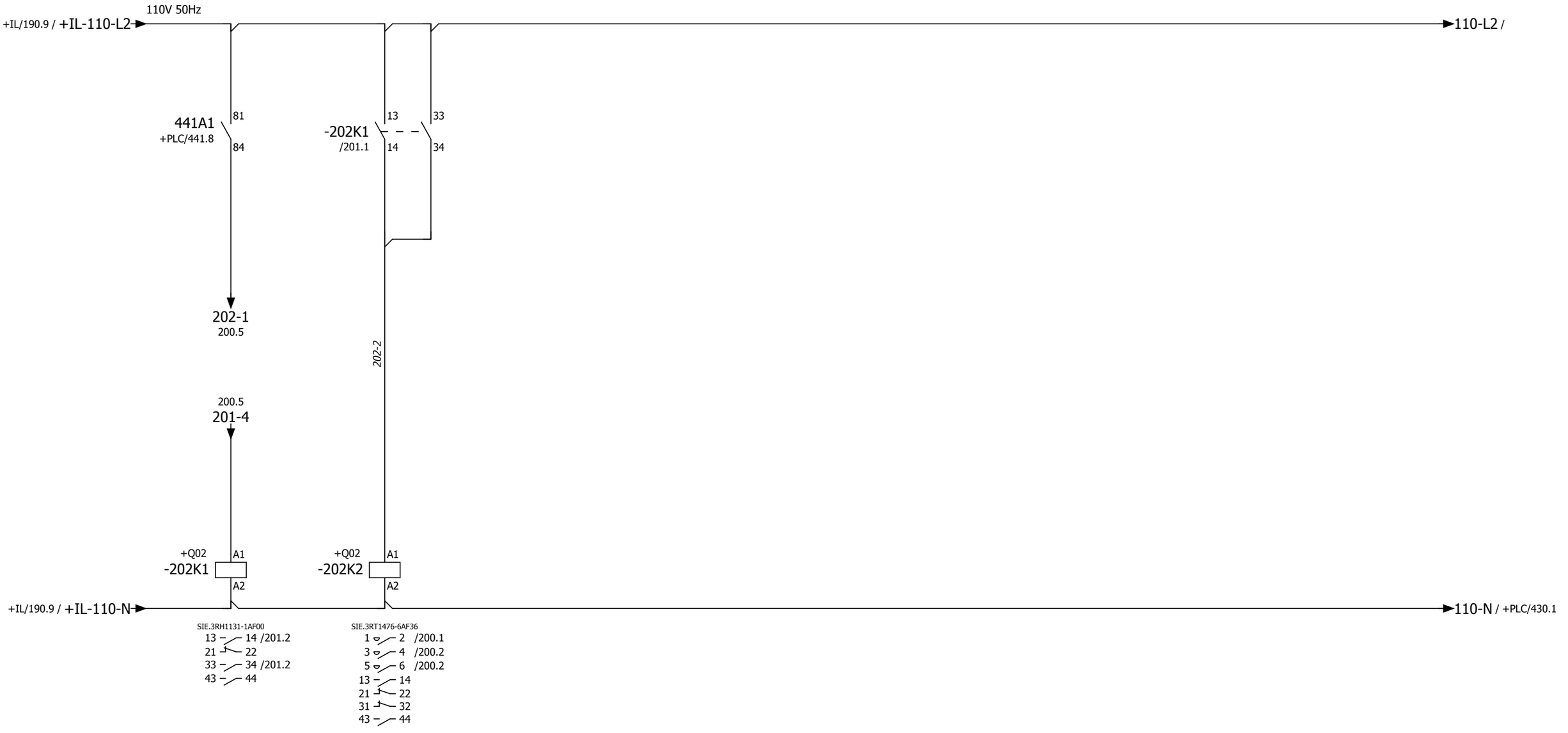
= A96
+ **AC/DC**

Job Nr.

Dwg.Nr. A96

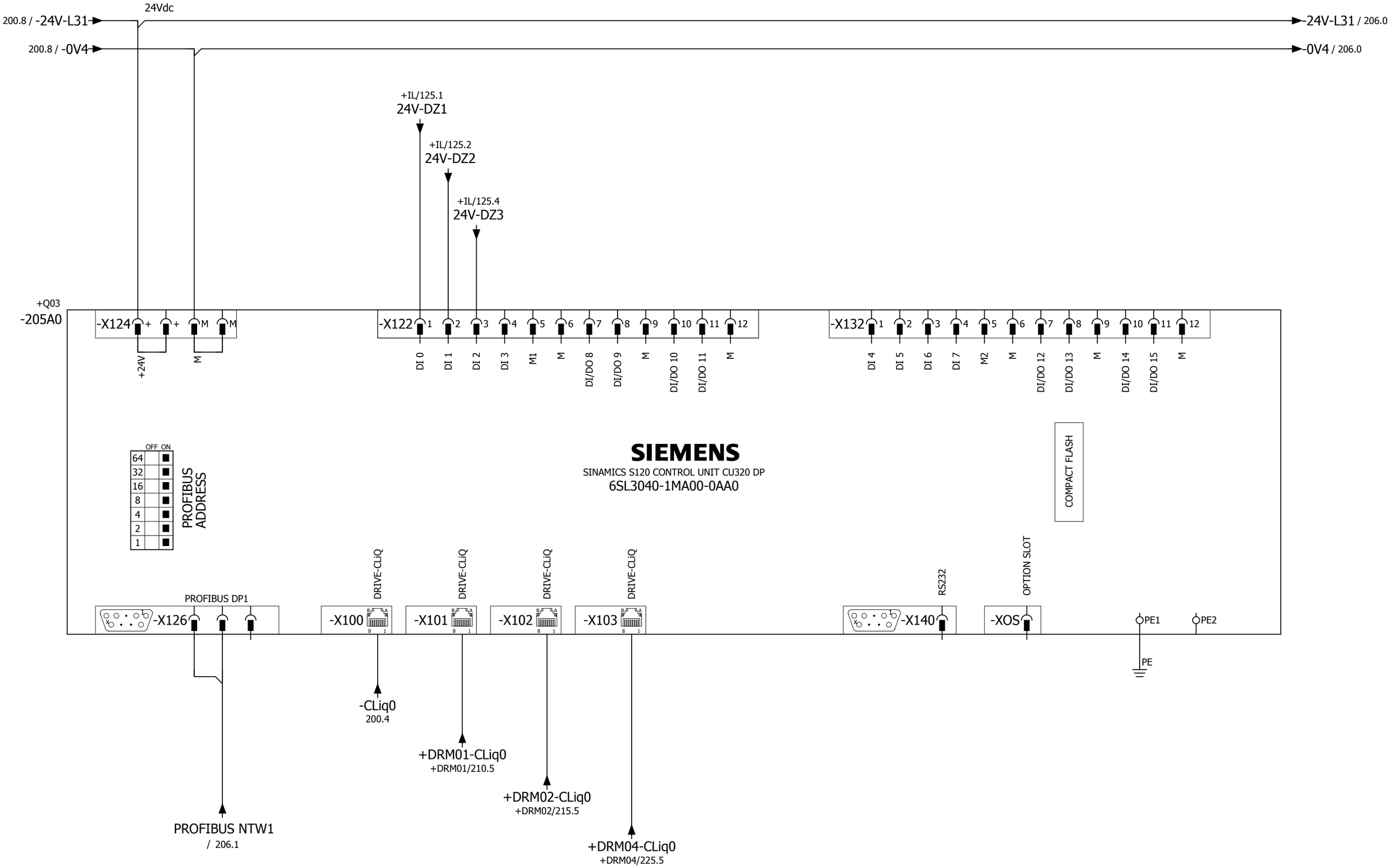
Page **200**

Follow 201



DC BUS
INSERTION

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	CONVERTER AC-DC BUS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **AC/DC**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **201**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 205



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SINAMICS CONTROL UNIT CU320-2	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **AC/DC**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **205**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 206

205.9 / -24V-L31

24Vdc

205.9 / -0V4

-24V-L31 / 207.0

-0V4 / 207.0

+IL/125.1
24V-DZ1

+IL/125.2
24V-DZ2

+IL/125.4
24V-DZ3

+Q05
-206A0

-X124: + + M M
+24V
M

-X122: 1 2 3 4 5 6 7 8 9 10 11 12
DI 0
DI 1
DI 2
DI 3
M1
M
DI/DO 8
DI/DO 9
M
DI/DO 10
DI/DO 11
M

-X132: 1 2 3 4 5 6 7 8 9 10 11 12
DI 4
DI 5
DI 6
DI 7
M2
M
DI/DO 12
DI/DO 13
M
DI/DO 14
DI/DO 15
M

SIEMENS

SINAMICS S120 CONTROL UNIT CU320 DP

6SL3040-1MA00-0AA0

COMPACT FLASH

OFF ON

64		■
32		■
16		■
8		■
4		■
2		■
1		■

PROFIBUS ADDRESS

PROFIBUS DP1

-X126

DRIVE-CLiQ
-X100

DRIVE-CLiQ
-X101

DRIVE-CLiQ
-X102

DRIVE-CLiQ
-X103

RS232
-X140

OPTION SLOT
-XOS

PE1 PE2

PE

+DRM03-CLiq0
+DRM03/220.5

+DRM05-CLiq0
+DRM05/230.3

+DRM06-CLiq0
+DRM06/232.3

+DRM07-CLiq0
+DRM07/234.4

PROFIBUS NTW1
205.1

PROFIBUS NTW1
/ 207.1

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

SINAMICS CONTROL UNIT CU320-2

Descript.

NOVASTILMEC A96

Job Nr.

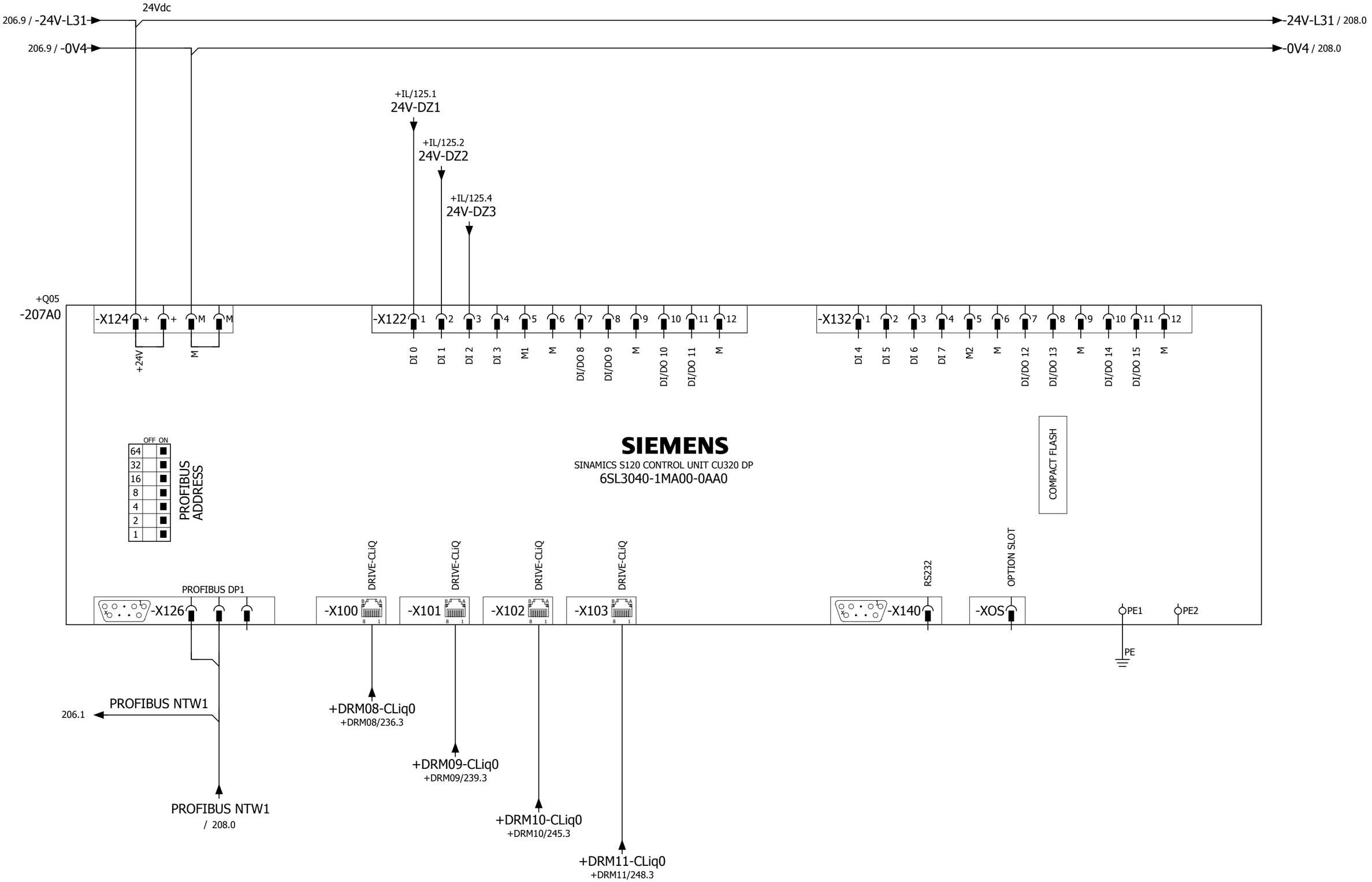
Dwg.Nr. A96

= A96

+ **AC/DC**

Page **206**

Follow 207



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

SINAMICS CONTROL UNIT CU320-2

Descript.

NOVASTILMEC A96

= A96

+ **AC/DC**

Job Nr.

Dwg.Nr. A96

Page **207**

Follow 208

207.9 / -24V-L31

24Vdc

207.9 / -0V4

-24V-L31 / 209.0

-0V4 / 209.0

+IL/125.1
24V-DZ1

+IL/125.2
24V-DZ2

+IL/125.4
24V-DZ3

+Q05
-208A0

-X124 + + M M
+24V
M

-X122 1 2 3 4 5 6 7 8 9 10 11 12 13

POSIZIONE PALETTE

-X132 1 2 3 4 5 6 7 8 9 10 11 12
DI 4
DI 5
DI 6
DI 7
M2
M
DI/DO 12
DI/DO 13
M
DI/DO 14
DI/DO 15
M

SIEMENS

SINAMICS S120 CONTROL UNIT CU320 DP

6SL3040-1MA00-0AA0

COMPACT FLASH

OFF ON

64		■
32		■
16		■
8		■
4		■
2		■
1		■

PROFIBUS ADDRESS

PROFIBUS DP1

-X126

DRIVE-CLiQ
-X100

DRIVE-CLiQ
-X101

DRIVE-CLiQ
-X102

DRIVE-CLiQ
-X103

RS232
-X140

OPTION SLOT
-XOS

PE1
PE2
PE

PROFIBUS NTW1
207.1

+DRM12-CLiq0
+DRM12/251.3

+DRM13-CLiq0
+DRM13/253.4

+DRM14-CLiq0
+DRM14/255.4

+DRM15-CLiq0
+DRM15/258.4

PROFIBUS NTW1
209.1

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

SINAMICS CONTROL UNIT CU320-2

Descript.

NOVASTILMEC A96

= A96
+ **AC/DC**

Job Nr.

Dwg.Nr. A96

Page **208**

Follow 209

208.8 / -24V-L31

208.8 / -0V4

24Vdc

-24V-L31 /

-0V4 /

+IL/125.1
24V-DZ1

+IL/125.2
24V-DZ2

+IL/125.4
24V-DZ3

+Q05
-209A0

-X124 + + M M
+24V
M

-X122 1 2 3 4 5 6 7 8 9 10 11 12
DI 0 | DI 1 | DI 2 | DI 3 | M1 | M | DI/DO 8 | DI/DO 9 | M | DI/DO 10 | DI/DO 11 | M

-X132 1 2 3 4 5 6 7 8 9 10 11 12
DI 4 | DI 5 | DI 6 | DI 7 | M2 | M | DI/DO 12 | DI/DO 13 | M | DI/DO 14 | DI/DO 15 | M

SIEMENS

SINAMICS S120 CONTROL UNIT CU320 DP

6SL3040-1MA00-0AA0

COMPACT FLASH

OFF ON
64
32
16
8
4
2
1
PROFIBUS ADDRESS

PROFIBUS DP1 -X126

DRIVE-CLiQ -X100

DRIVE-CLiQ -X101

DRIVE-CLiQ -X102

DRIVE-CLiQ -X103

DRIVE-CLiQ -X104

RS232 -X140

OPTION SLOT -XOS

PE1 PE2

PE

208.1 PROFIBUS NTW1

PROFIBUS NTW1
+PLC/405.0

+DRM16-CLiq0
+DRM16/265.3

+DRM17-CLiq0
+DRM17/267.3

+DRM18-CLiq0
+DRM18/269.3

+DRM19-CLiq0
+DRM19/271.4

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

SINAMICS CONTROL UNIT CU320-2

Descript.

NOVASTILMEC A96

Job Nr.

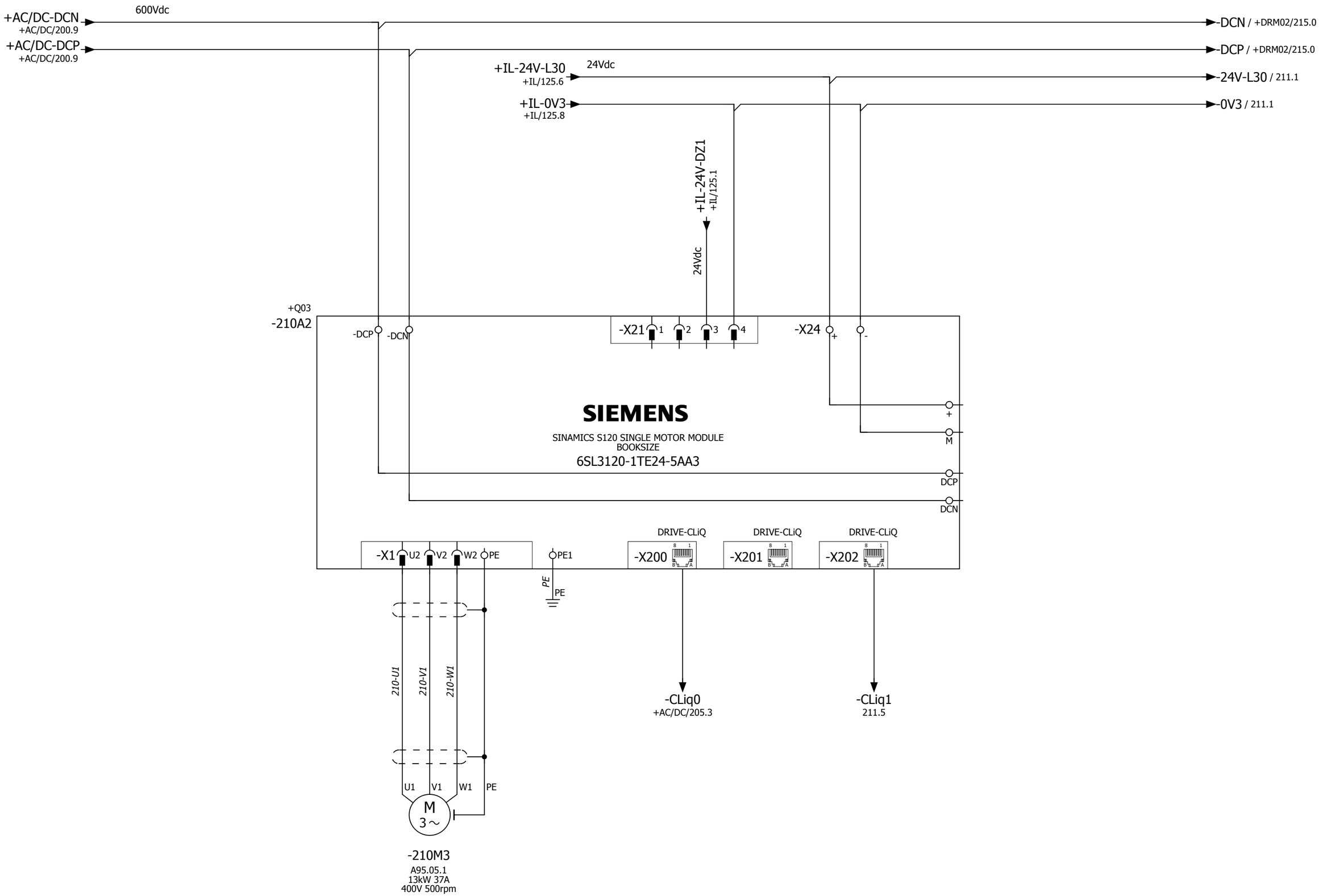
Dwg.Nr. A96

= A96

+ **AC/DC**

Page **209**

Follow +DRM01/210



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

UNCOILER

Descript.

NOVASTILMEC A96

= A96

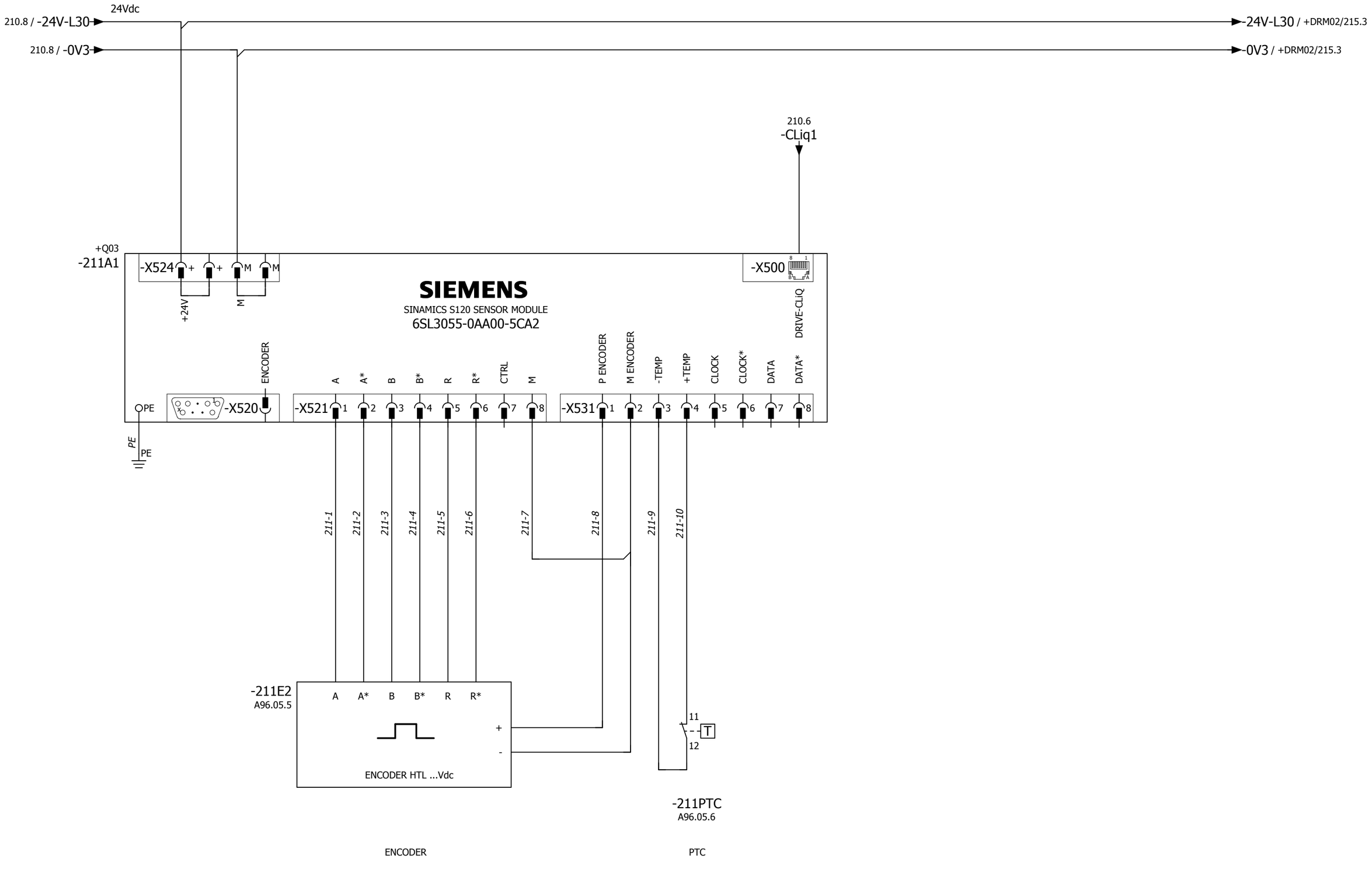
+ **DRM01**

Job Nr.

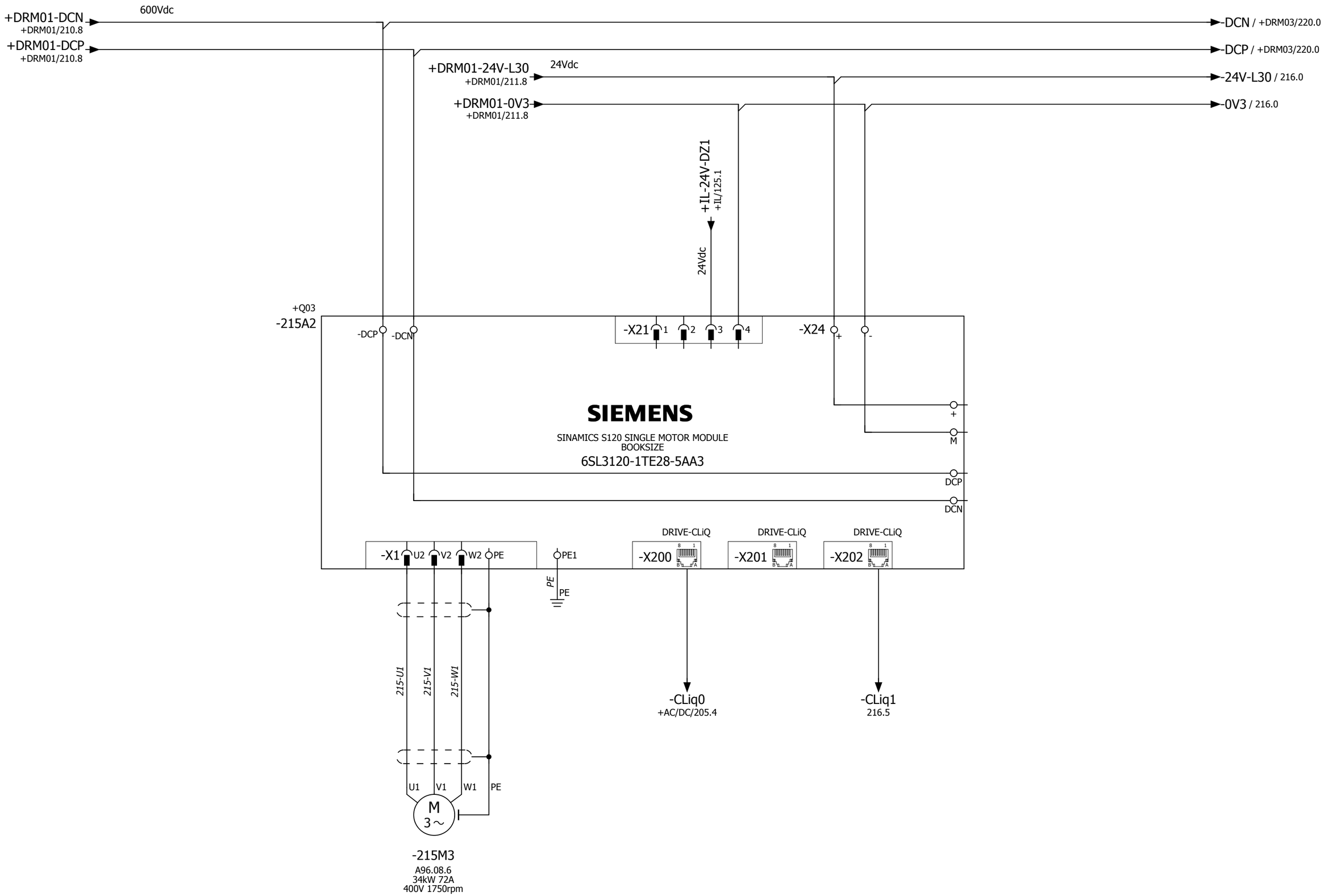
Dwg.Nr. A96

Page **210**

Follow 211



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	UNCOILER	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **DRM01**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **211**
Rev.	Descript.	Date	Name	Original				Descript.		Follow +DRM02/215



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

STRAIGHTENING - ENTRY PINCH ROLL ROTATION

Descript.

NOVASTILMEC A96

= A96

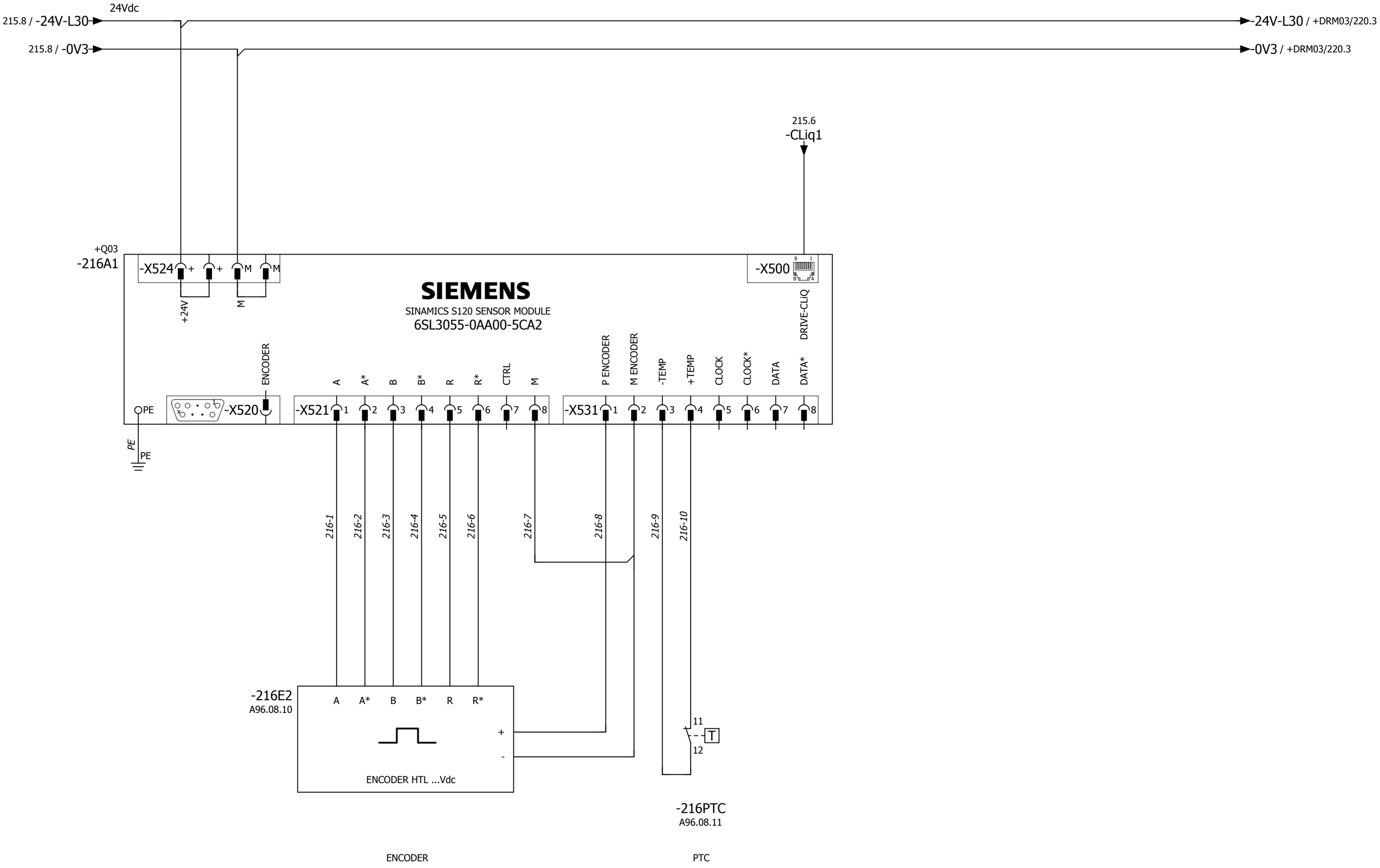
+ **DRM02**

Job Nr.

Dwg.Nr. A96

Page **215**

Follow 216



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	STRAIGHTENING - ENTRY PINCH ROLL ROTATION	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **DRM02**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **216**
Rev.	Descript.	Date	Name	Original				Descript.		Follow +DRM03/220

+DRM02-DCN
+DRM02/215.8
600Vdc
+DRM02-DCP
+DRM02/215.8
-DCN / +DRM04/225.0
-DCP / +DRM04/225.0
+DRM02-24V-L30
+DRM02/216.8
24Vdc
+DRM02-0V3
+DRM02/216.8
-24V-L30 / 221.0
-0V3 / 221.0
+AC/DC-R
+AC/DC/200.8
400Vac
+AC/DC-S
+AC/DC/200.8
+IL-24V-DZ1
+IL/125.1
24Vdc
+Q04
-220Q7
2.8÷4A
(3,2A)
3RV1021-1EA10
220-1
220-2
220-3
+PLC/516.1
+Q04
-220A2
-DCP
-DCN
-X9 1 2 3 4 5 6
-X41 1 2 3 4
-F10 1
-F11 1
-F10
-F11
DCPA
DCNA
DCPS
DCNS
Cooling fan
M
1~

SIEMENS

SINAMICS S120 SINGLE MOTOR MODULE
CHASSIS
6SL3320-1TE33-1AA0

DRIVE-CLiQ
-X400
DRIVE-CLiQ
-X401
DRIVE-CLiQ
-X402
-X1 U2 V2 W2 PE
PE1
PE
220-U1
220-V1
220-W1
U1 V1 W1 PE
M
3~
-220M2
A96.10.2
155kW 275A
400V 1150rpm
-CLiq0
+AC/DC/206.2
-CLiq1
221.6

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

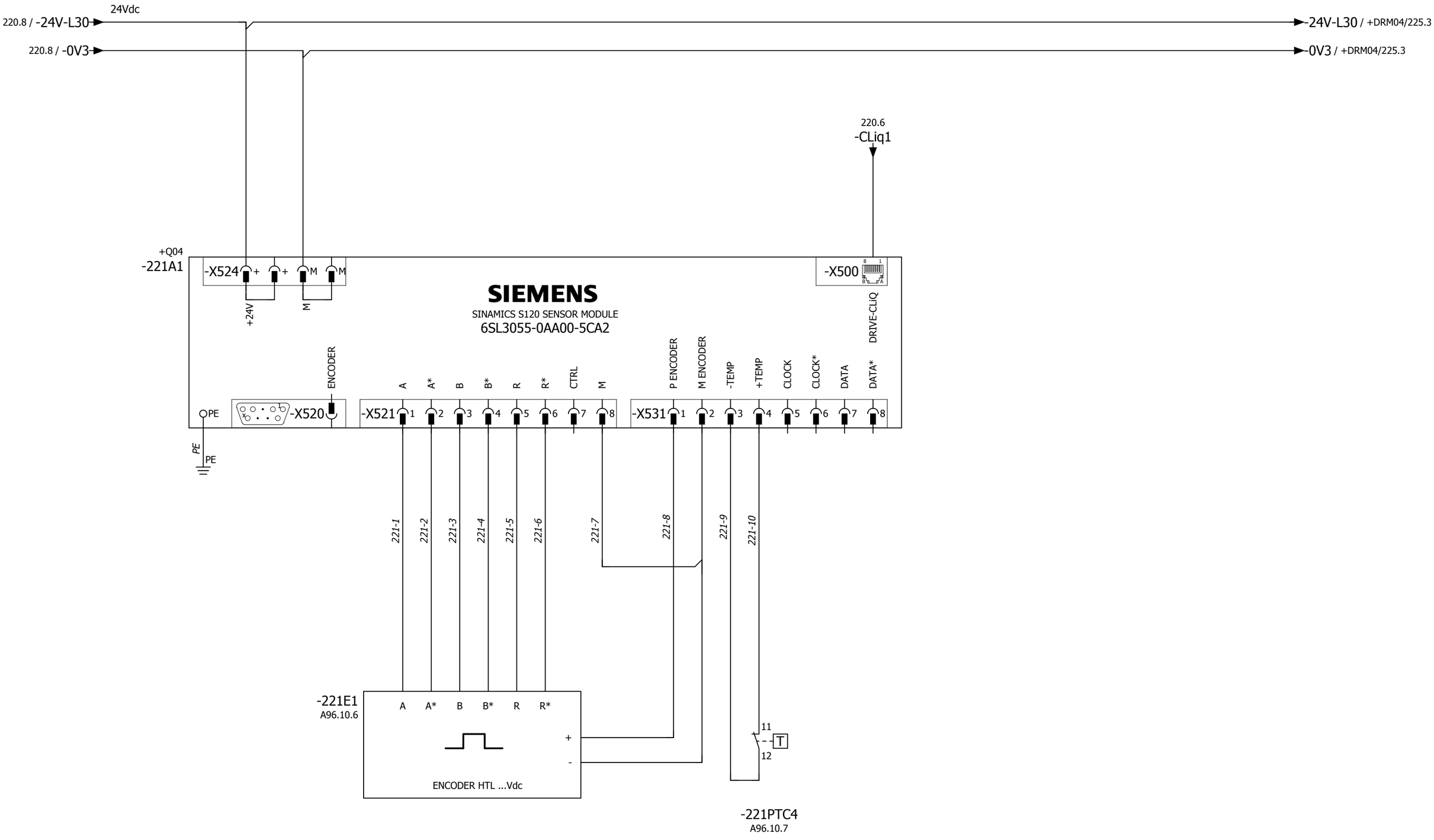
NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

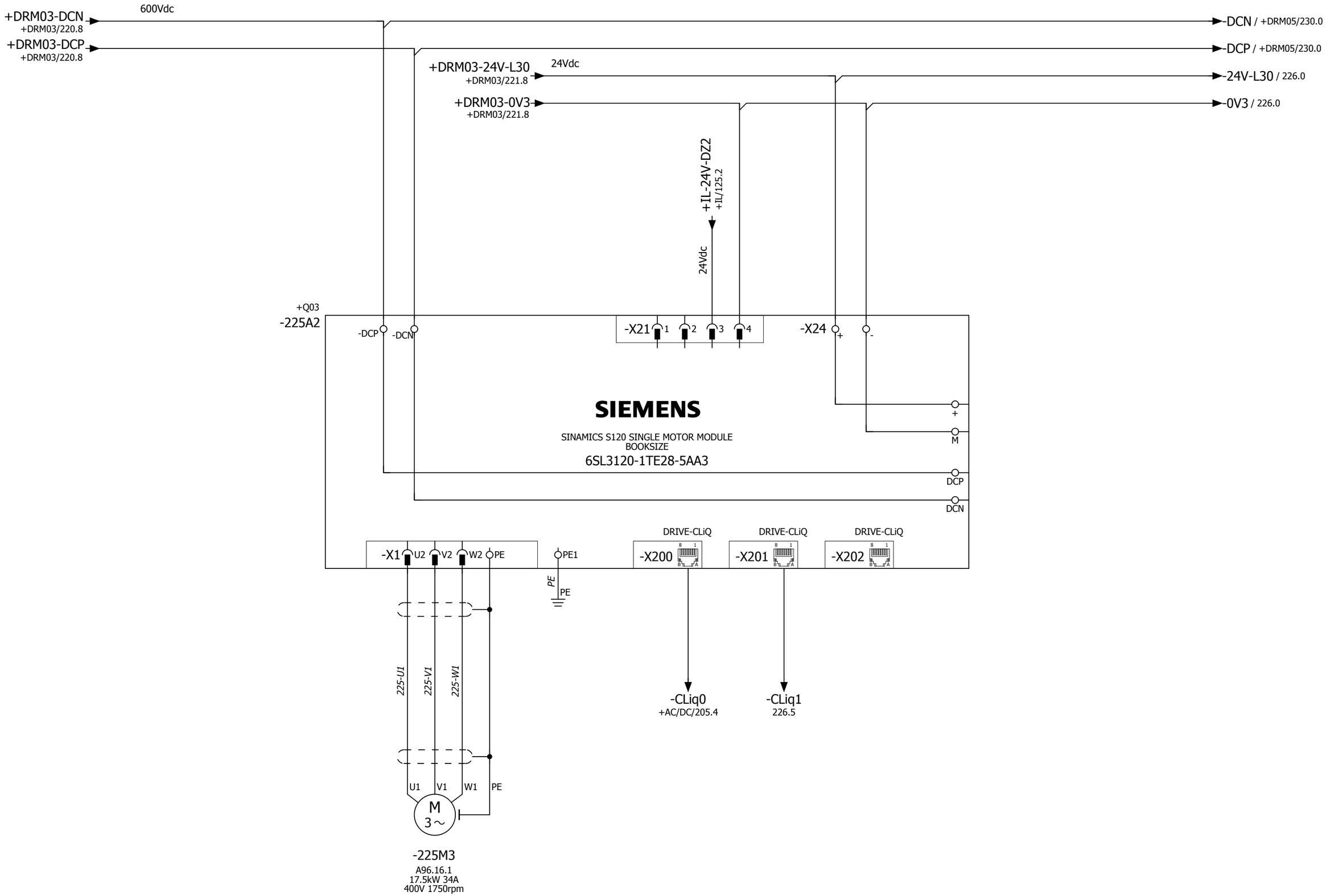
LEVELLER ROTATION
Descript.

NOVASTILMEC A96
Job Nr.
Dwg.Nr. A96

= A96
+ **DRM03**
Page **220**
Follow 221



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	LEVELLER ROTATION	NOVASTILMEC A96 = A96
				Drawn	TPM				+ **DRM03**
				Check	ALE				Job Nr. / Dwg.Nr. A96 / Page **221**
Rev.	Descript.	Date	Name	Original				Descript.	Follow +DRM04/225



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

PLASTICIZING - ROLLS ROTATION

Descript.

NOVASTILMEC A96

= A96

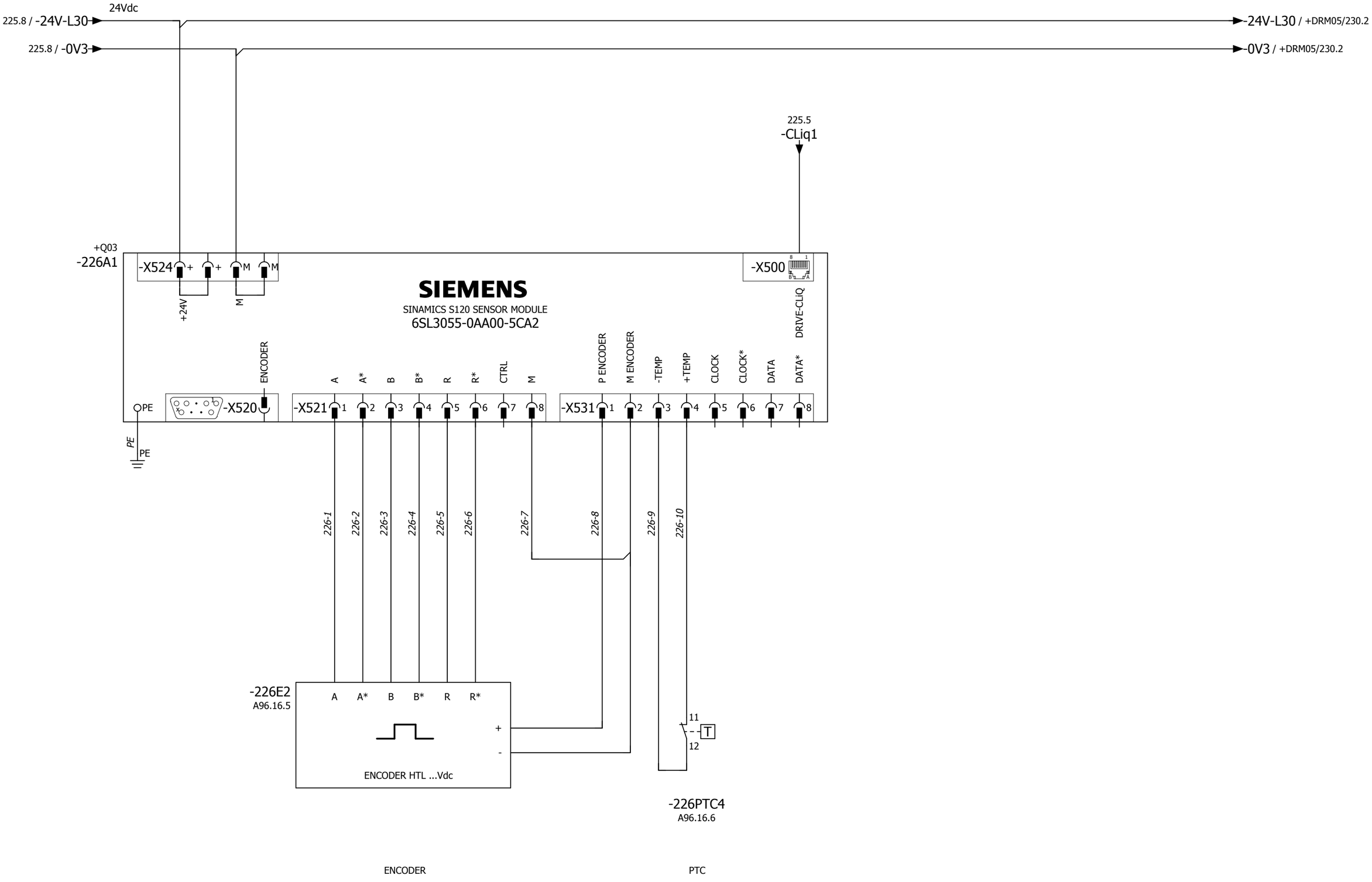
+ **DRM04**

Job Nr.

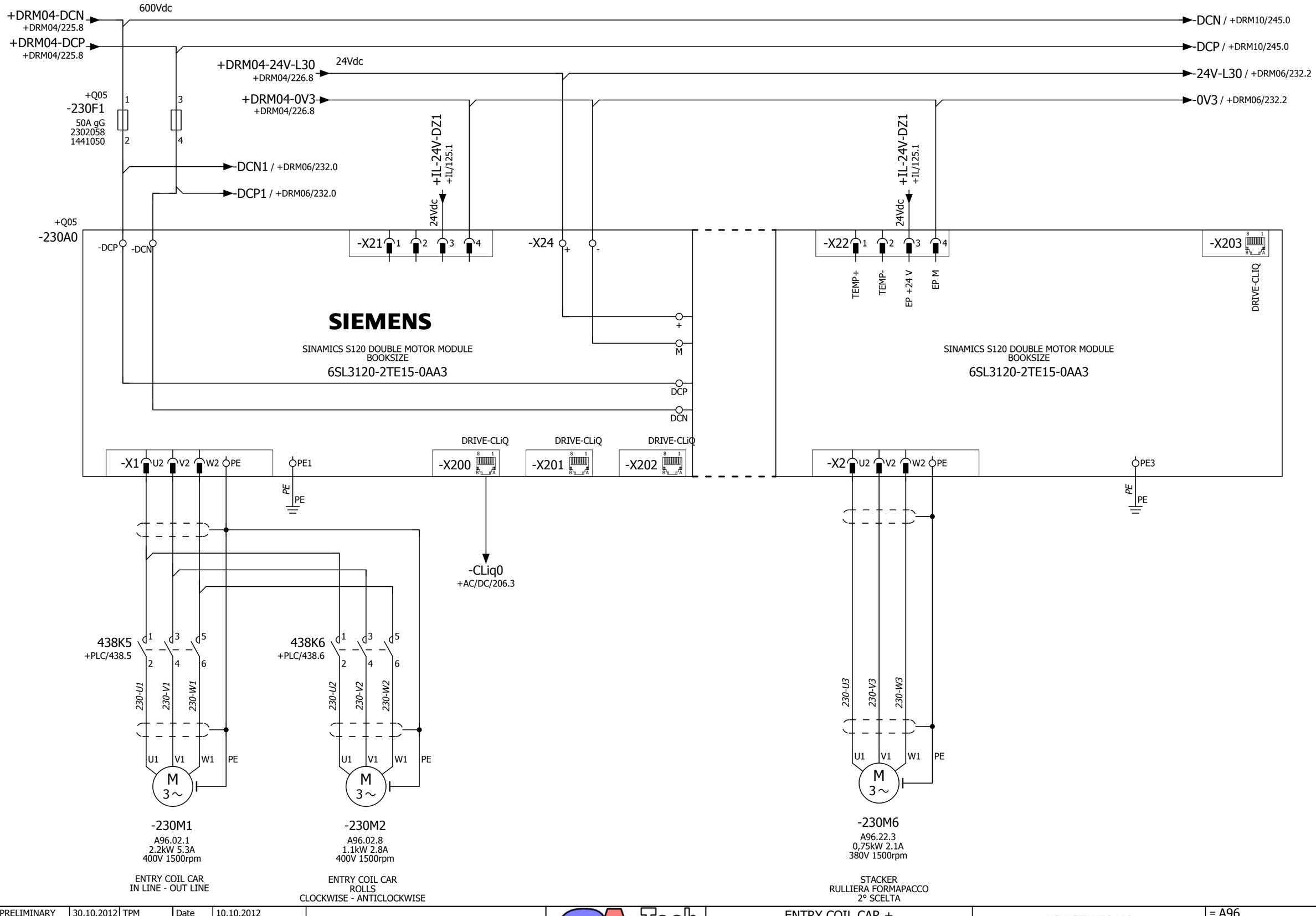
Dwg.Nr. A96

Page **225**

Follow 226



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLASTICIZING - ROLLS ROTATION	NOVASTILMEC A96 = A96
				Drawn	TPM				+ **DRM04**
				Check	ALE				Job Nr. / Dwg.Nr. A96 / Page **226** / Follow +DRM05/230
Rev.	Descript.	Date	Name	Original				Descript.	



Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

ENTRY COIL CAR +
STACKER FORMAPACCO 2° SCELTA

Descript.

NOVASTILMEC A96

= A96
+ **DRM05**

Job Nr.

Dwg.Nr. A96

Page **230**

Follow +DRM06/232

+DRM05-DCN1
+DRM05/230.1
600Vdc
-DCN1 / +DRM07/234.0

+DRM05-DCP1
+DRM05/230.1
-DCP1 / +DRM07/234.0

+DRM05-24V-L30
+DRM05/230.8
24Vdc
-24V-L30 / +DRM07/234.2

+DRM05-0V3
+DRM05/230.8
-0V3 / +DRM07/234.2

+IL-24V-DZ2
+IL/125.2
24Vdc

+IL-24V-DZ2
+IL/125.2
24Vdc

+Q05
-232A0

-DCP
-DCN

-X21 1 2 3 4

-X24 + -

-X22 1 2 3 4
TEMP+
TEMP-
EP +24 V
EP M

-X203
DRIVE-CLIQ

SIEMENS

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

+
M
DCP
DCN

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

DRIVE-CLiQ
DRIVE-CLiQ
DRIVE-CLiQ

-X1 U2 V2 W2 PE
PE1
PE

-X200
-X201
-X202

-CLiq0
+AC/DC/206.4

-X2 U2 V2 W2 PE
PE3
PE

232-U1
232-V1
232-W1

U1 V1 W1 PE
M
3 ~

-232M1
A96.20.5
4kW 9,2A
380V 1500rpm

BELT 1

232-U2
232-V2
232-W2

U1 V1 W1 PE
M
3 ~

-232M6
A96.20.16
4kW 9,2A
380V 1500rpm

BELT 2

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.
BELT 1 - 2
AFTER SHEAR

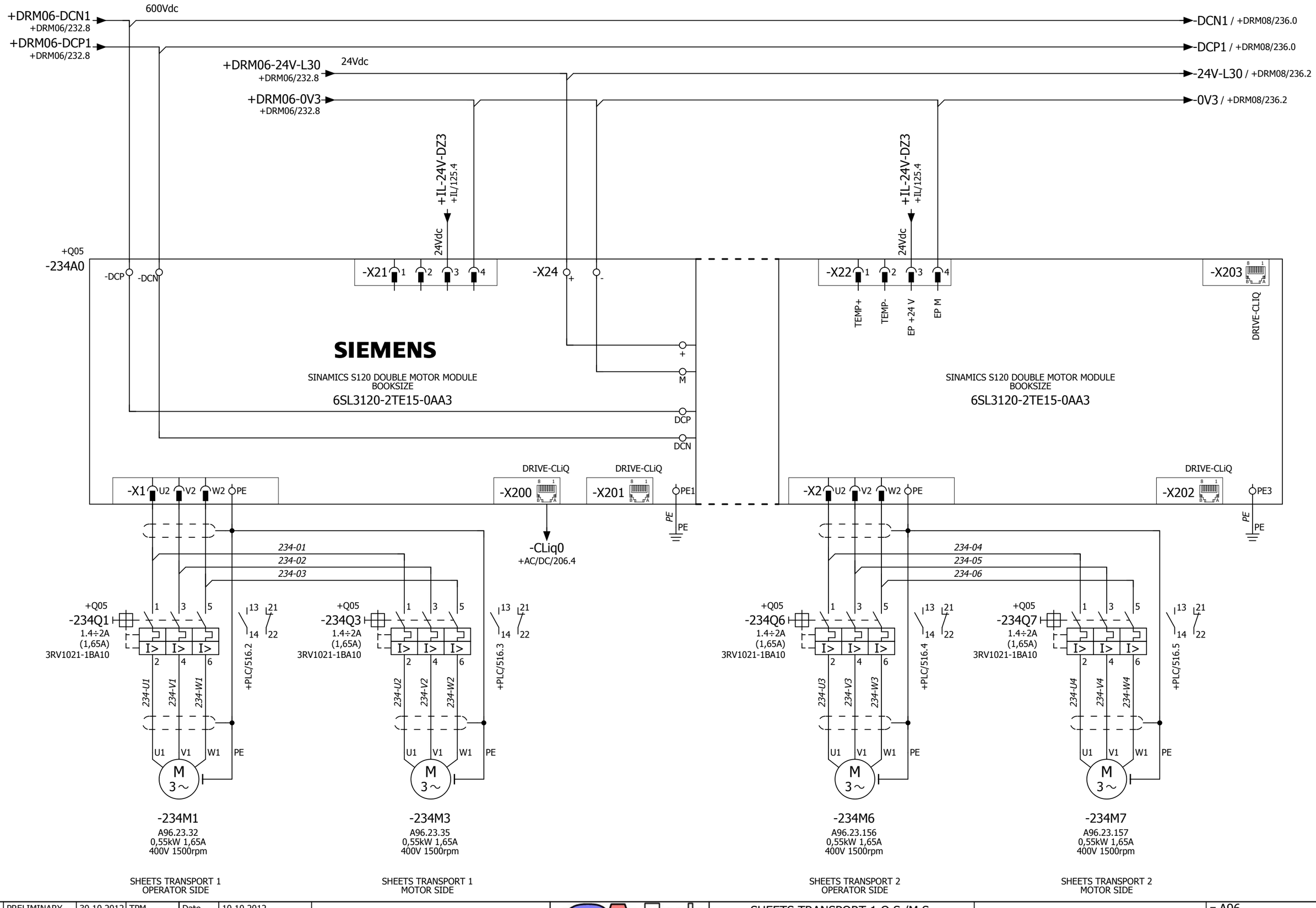
NOVASTILMEC A96

= A96
+ **DRM06**

Job Nr.

Dwg.Nr.
A96

Page **232**
Follow +DRM07/234



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

SHEETS TRANSPORT 1 O.S./M.S.
SHEETS TRANSPORT 2 O.S./M.S.
Descript.

NOVASTILMEC A96

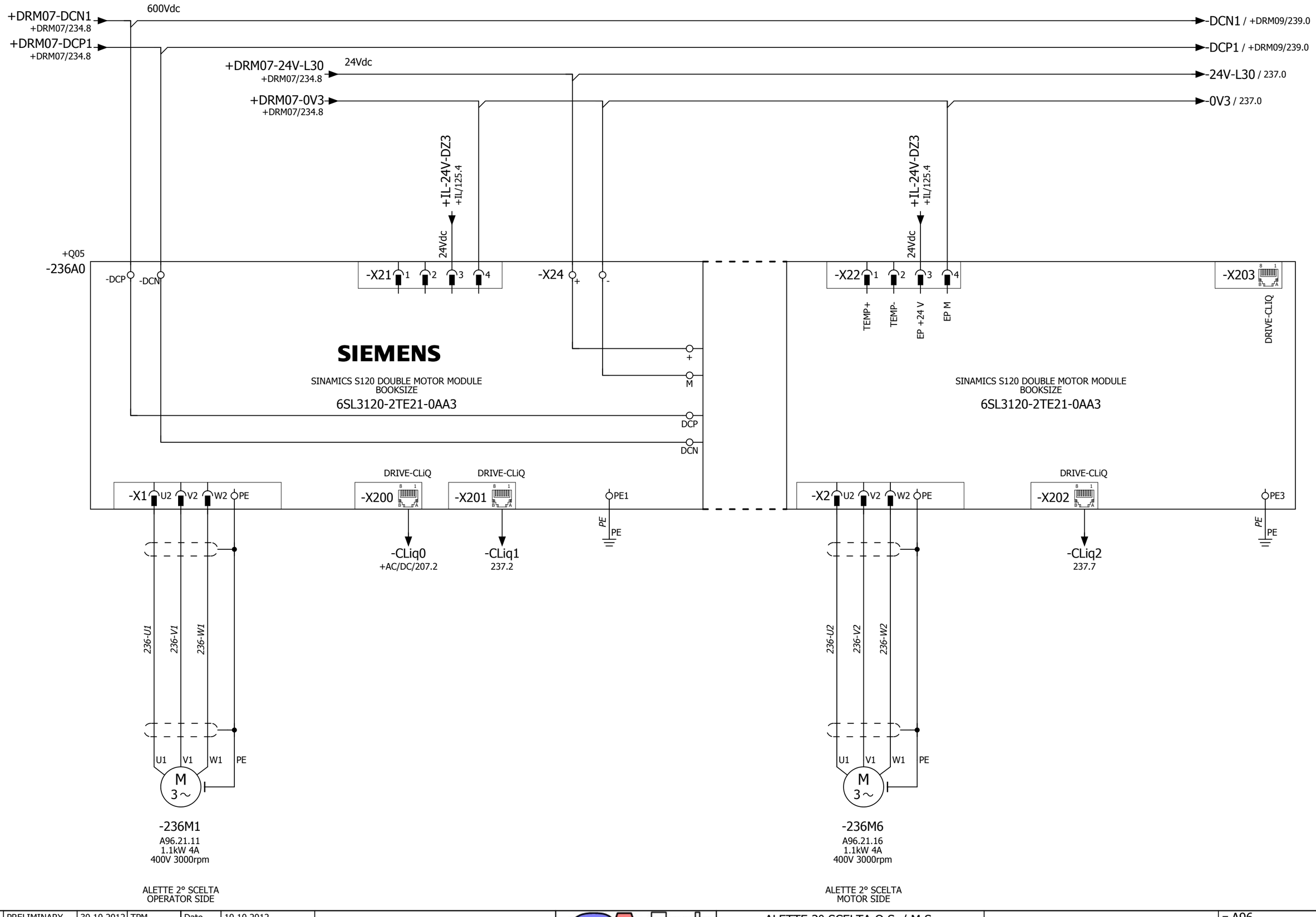
= A96
+ **DRM07**

Job Nr.

Dwg.Nr. A96

Page **234**

Follow +DRM08/236



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: ALETTE 2° SCELTA O.S. / M.S.

NOVASTILMEC A96

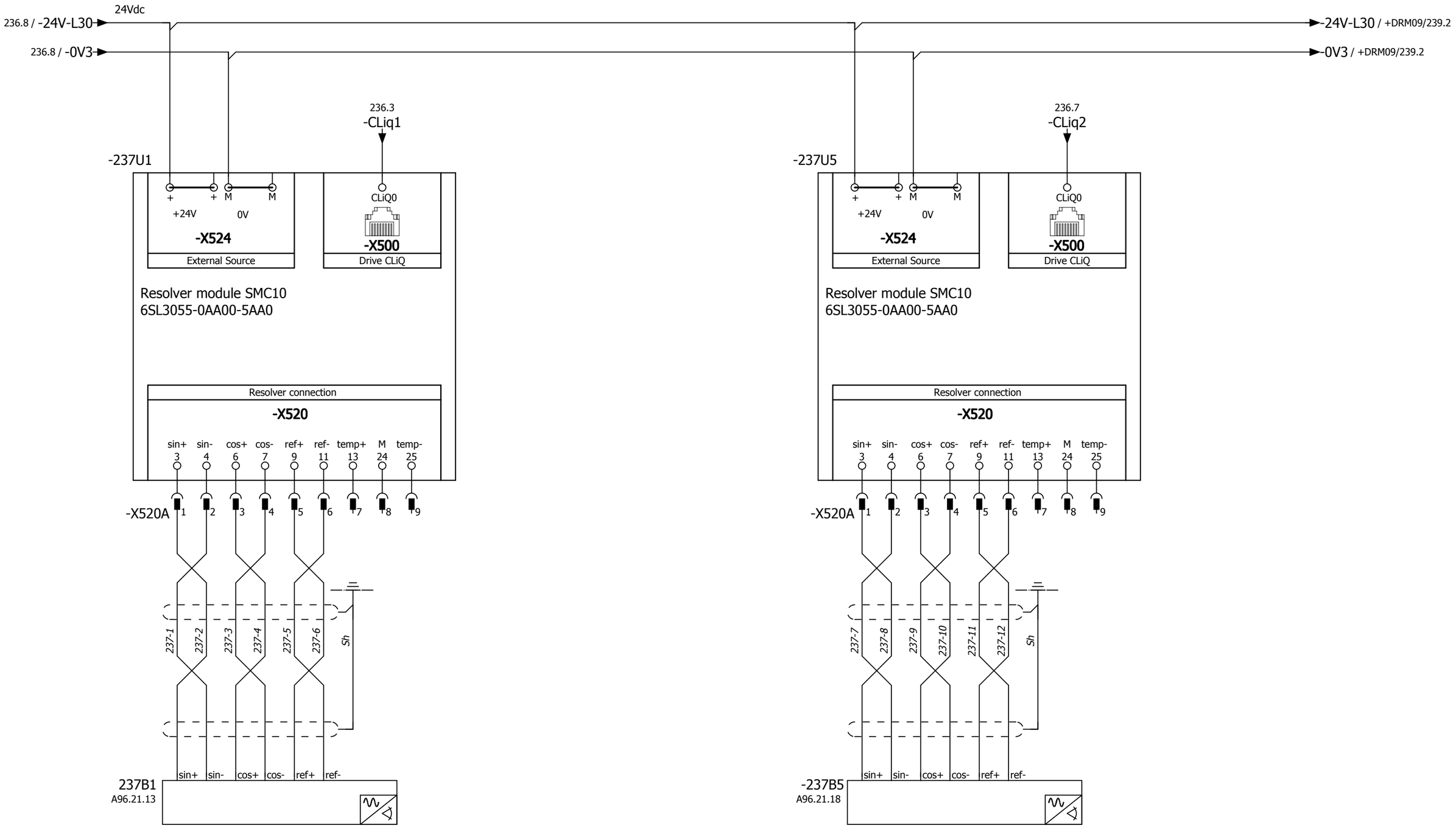
= A96
+ **DRM08**

Job Nr.

Dwg.Nr. A96

Page **236**

Follow 237



RESOLVER
ALETTE 2° SCELTA
OPERATOR SIDE

RESOLVER
ALETTE 2° SCELTA
MOTOR SIDE SIDE

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	ALETTE 2° SCELTA O.S. / M.S.
				Drawn	TPM			
				Check	ALE			
Rev.	Descript.	Date	Name	Original				Descript.

NOVASTILMEC A96		= A96	
		+ **DRM08**	
Job Nr.	Dwg.Nr. A96	Page	**237**
		Follow	+DRM09/239

+DRM08-DCN1
+DRM08/236.8
600Vdc
-DCN1 /
+DRM08-DCP1
+DRM08/236.8
-DCP1 /
+DRM08-24V-L30
+DRM08/237.8
24Vdc
-24V-L30 / 240.0
+DRM08-0V3
+DRM08/237.8
-0V3 / 240.0

+IL-24V-DZ3
+IL/125.4
24Vdc

+Q05
-239A0

-DCP
-DCN

-X21 1 2 3 4

-X24 + -

-X22 1 2 3 4
TEMP+
TEMP-
EP +24 V
EP M

-X203
DRIVE-CLiQ

SIEMENS

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

+
M
DCP
DCN

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

DRIVE-CLiQ
DRIVE-CLiQ
DRIVE-CLiQ

-X1 U2 V2 W2 PE
-X200
-X201
PE1
PE

-X2 U2 V2 W2 PE
-X202
PE3
PE

-CLiq0
+AC/DC/207.3
-CLiq1
240.2
-CLiq2
240.7

239-U1
239-V1
239-W1
U1 V1 W1 PE
M
3 ~

239-U2
239-V2
239-W2
U1 V1 W1 PE
M
3 ~

-239M1
A96.23.22
1.1kW 4A
400V 3000rpm

-239M6
A96.23.27
1.1kW 4A
400V 3000rpm

SHEETS TRASNSPORTER 1° BOX
1° TRATTO O.S.

SHEETS TRASNSPORTER 1° BOX
1° TRATTO M.S.

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

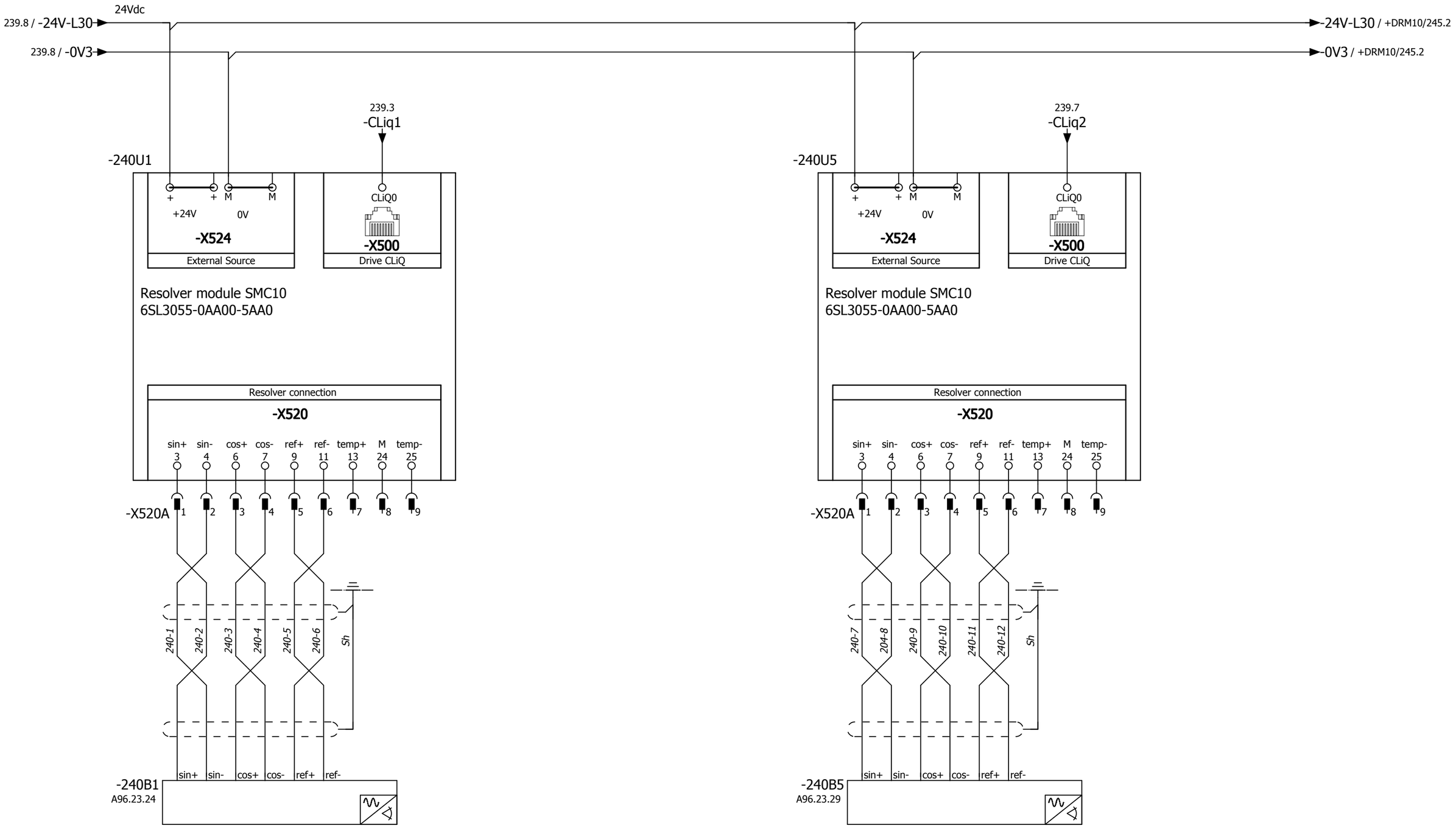
GA-Tech

SHEETS TRASNSPORTER 1° BOX
1° TRATTO O.S. / M.S.
Descript.

NOVASTILMEC A96

= A96
+ **DRM09**

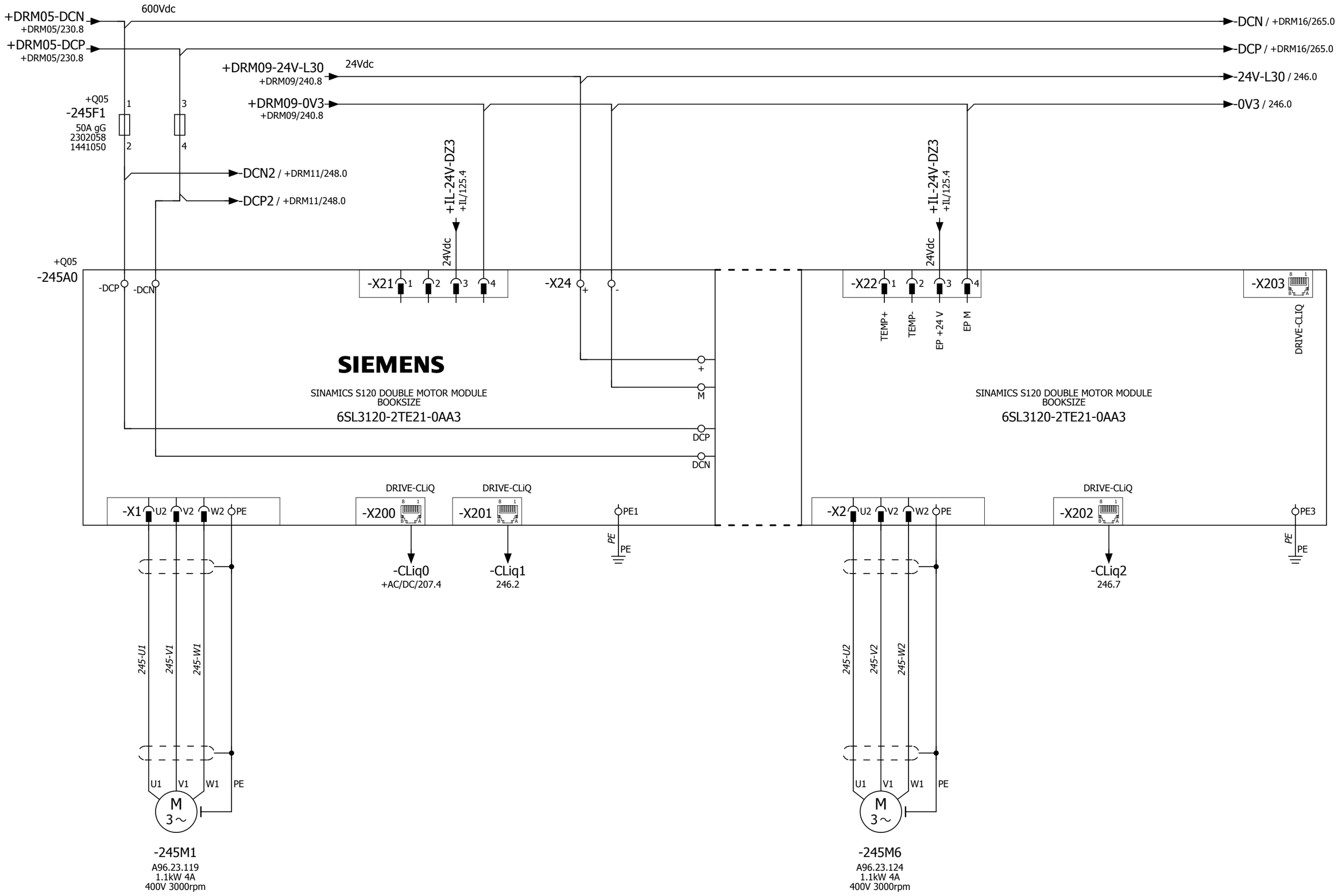
Job Nr.
Dwg.Nr. A96
Page **239**
Follow 240



RESOLVER
SHEETS TRASNSPORTER 1° BOX
1° TRATTO O.S.

RESOLVER
SHEETS TRASNSPORTER 1° BOX
1° TRATTO M.S.

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	SHEETS TRASNSPORTER 1° BOX 1° TRATTO O.S. / M.S.	NOVASTILMEC A96	= A96
				Drawn	TPM				+ **DRM09**
				Check	ALE			Job Nr.	Dwg.Nr. A96 / Page **240**
Rev.	Descript.	Date	Name	Original			Descript.		Follow +DRM10/245



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

SHEETS TRASNSPORTER 1° BOX
2° TRATTO O.S. / M.S.

Descript.

NOVASTILMEC A96

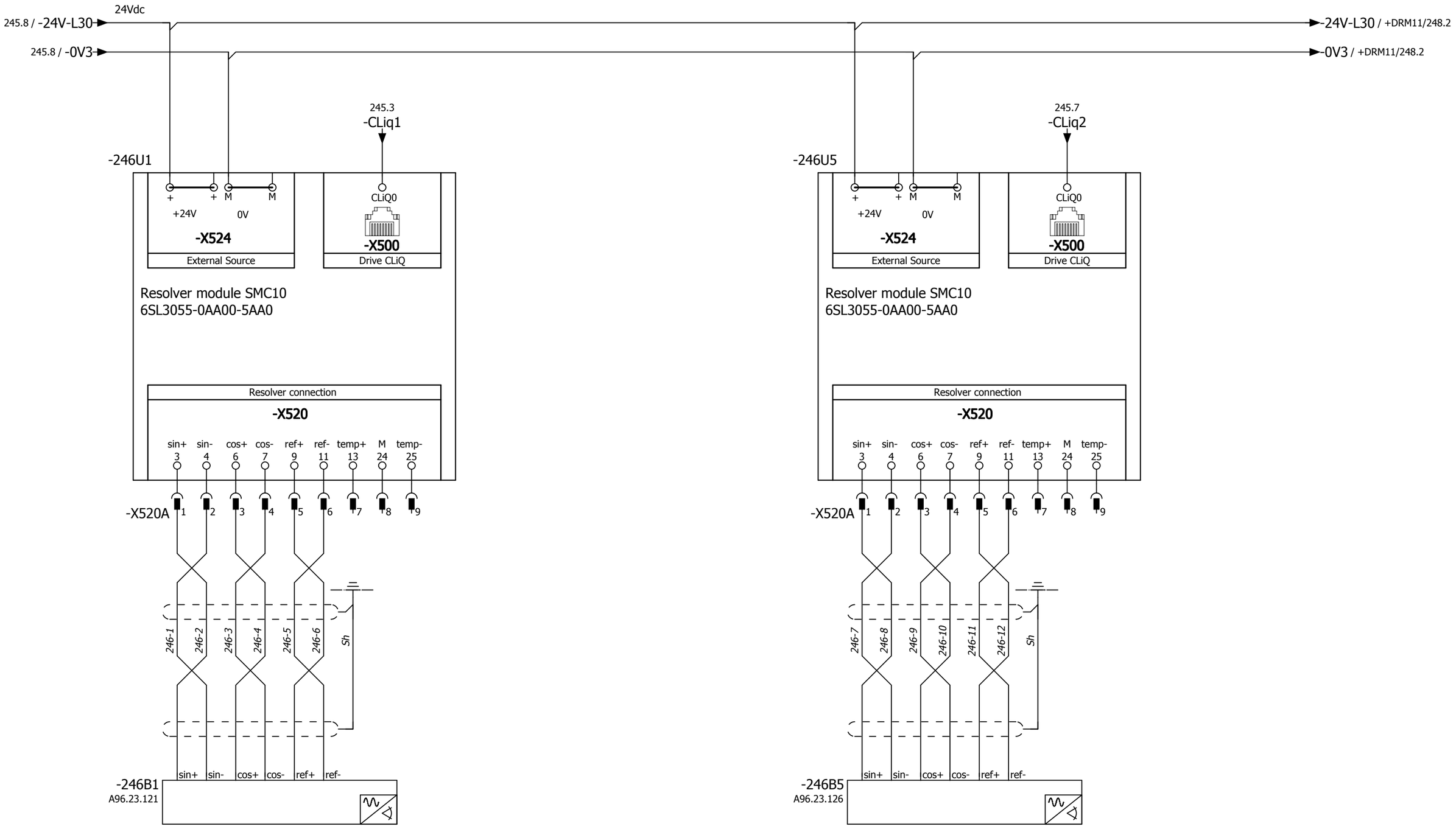
= A96
+ **DRM10**

Job Nr.

Dwg.Nr. A96

Page **245**

Follow 246

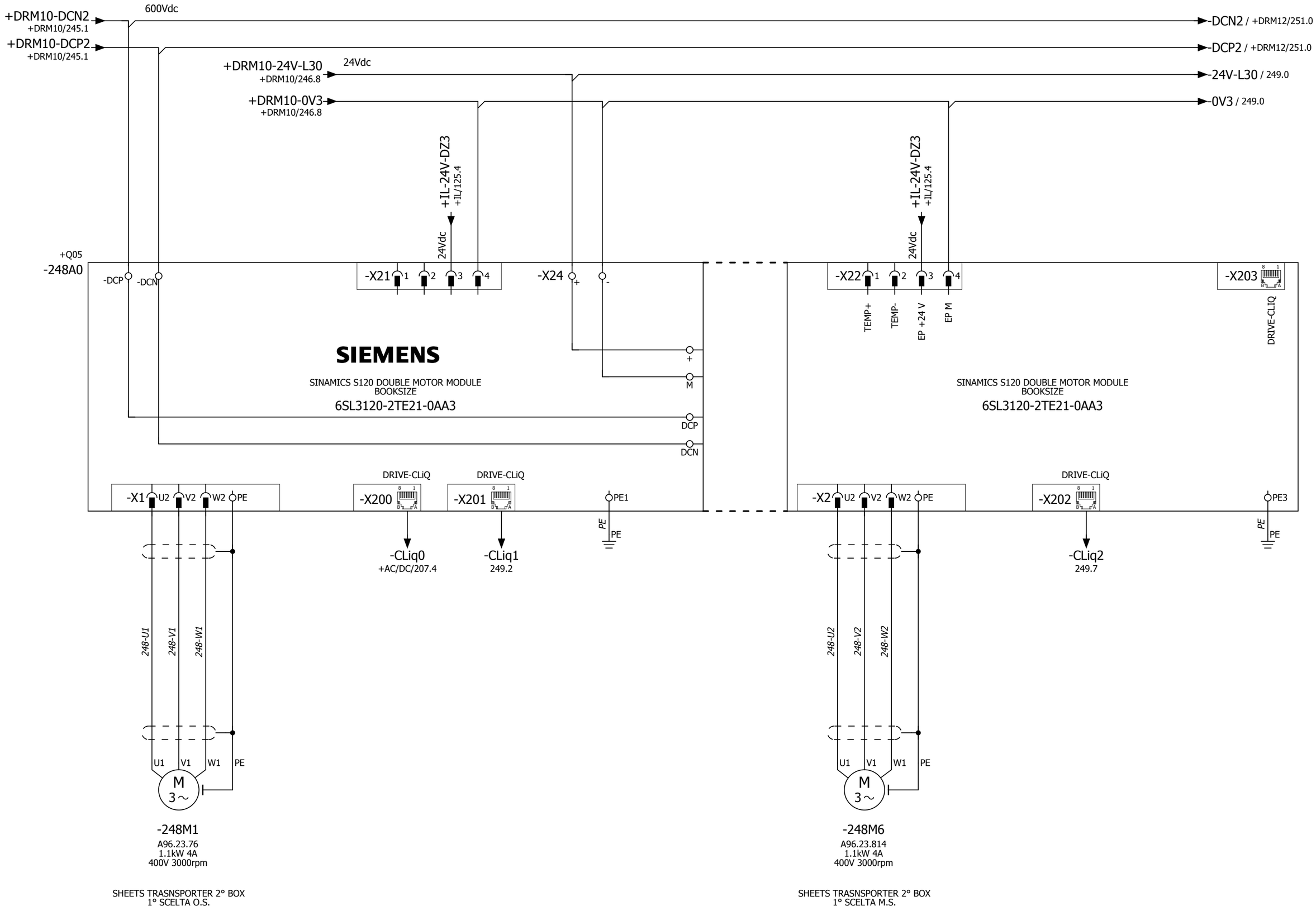


RESOLVER
SHEETS TRASNSPORTER 1° BOX
2° TRATTO O.S.

RESOLVER
SHEETS TRASNSPORTER 1° BOX
2° TRATTO M.S.

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SHEETS TRASNSPORTER 1° BOX 2° TRATTO O.S. / M.S.
				Drawn	TPM			
				Check	ALE			
Rev.	Descript.	Date	Name	Original				Descript.

NOVASTILMEC A96		= A96	
		+ **DRM10**	
Job Nr.	Dwg.Nr. A96	Page	**246**
		Follow	+DRM11/248



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

SHEETS TRASNSPORTER 2° BOX
1° SCELTA O.S. / M.S.

Descript.

NOVASTILMEC A96

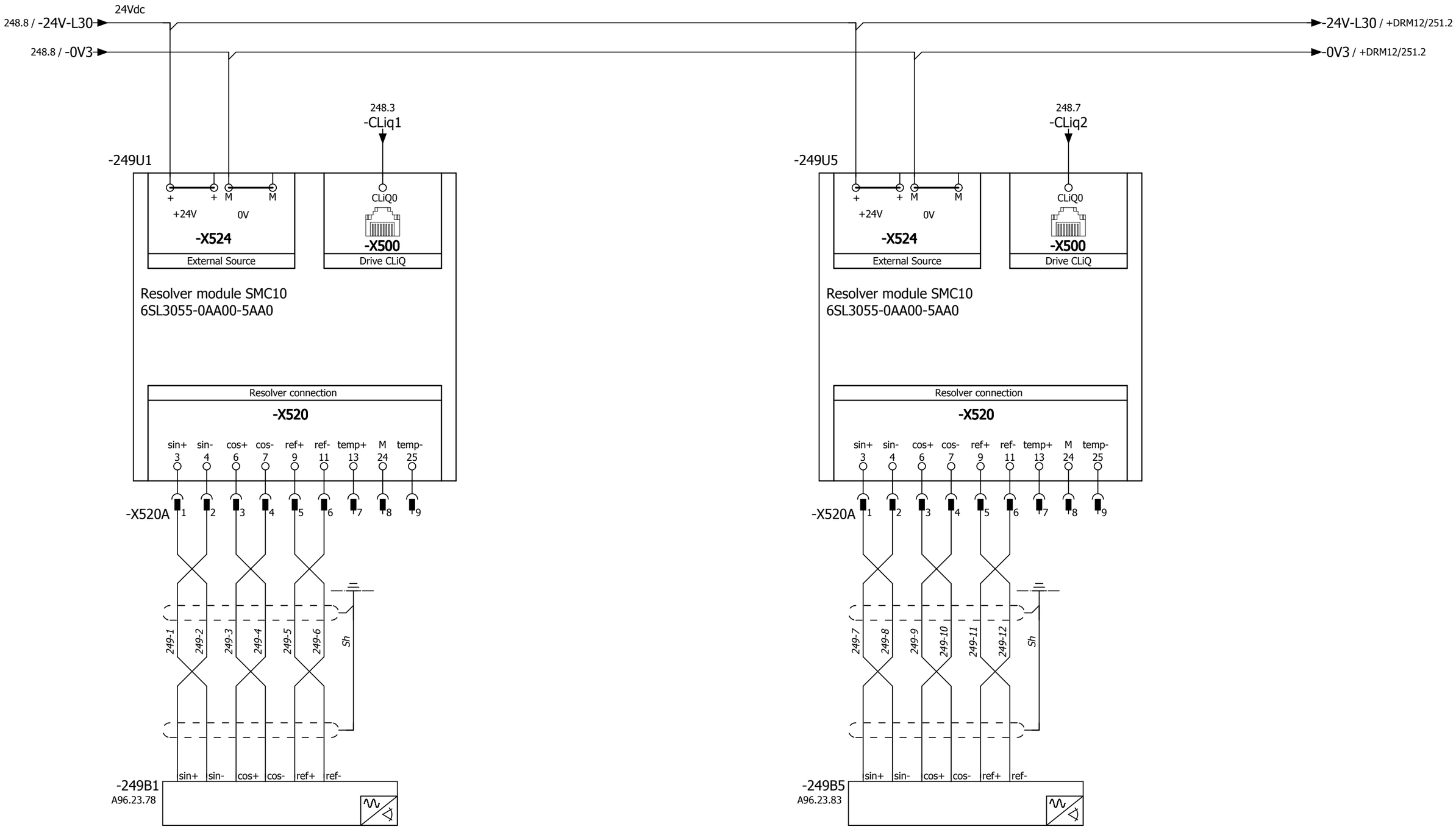
= A96
+ **DRM11**

Job Nr.

Dwg.Nr. A96

Page **248**

Follow 249



RESOLVER
SHEETS TRASNSPORTER 2° BOX
1° SCELTA O.S.

RESOLVER
SHEETS TRASNSPORTER 2° BOX
1° SCELTA M.S.

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	SHEETS TRASNSPORTER 2° BOX 1° SCELTA O.S. / M.S.	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **DRM11**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **249**
Rev.	Descript.	Date	Name	Original				Descript.		Follow +DRM12/251

+DRM11-DCN2
+DRM11/248.8
600Vdc
-DCN2 / +DRM13/253.0

+DRM11-DCP2
+DRM11/248.8
-DCP2 / +DRM13/253.0

+DRM11-24V-L30
+DRM11/249.8
24Vdc
-24V-L30 / +DRM13/253.2

+DRM11-0V3
+DRM11/249.8
-0V3 / +DRM13/253.2

+IL-24V-DZ3
+IL/125.4
24Vdc

+IL-24V-DZ3
+IL/125.4
24Vdc

+Q05
-251A0

-DCP
-DCN

-X21 1 2 3 4

-X24 + -

-X22 1 2 3 4
TEMP+
TEMP-
EP +24 V
EP M

-X203
DRIVE-CLiQ

SIEMENS

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE13-0AA3

+
M
DCP
DCN

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE13-0AA3

DRIVE-CLiQ
DRIVE-CLiQ
DRIVE-CLiQ

-X1 U2 V2 W2 PE
PE1
PE

-X200
-X201
-X202

-CLiq0
+AC/DC/208.2

-X2 U2 V2 W2 PE
PE3
PE

251-U1
251-V1
251-W1

U1 V1 W1 PE
M
3~

-251M1
A94.27.1
0.37kW 1.27A
400V 1500rpm

PLATFORM 1
DOWNLOAD PACK

251-U2
251-V2
251-W2

U1 V1 W1 PE
M
3~

-251M6
A94.27.5
0.37kW 1.27A
400V 1500rpm

PLATFORM 2
DOWNLOAD PACK

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.
PLATFORM 1-2
DOWNLOAD PACK

NOVASTILMEC A96

= A96
+ **DRM12**

Job Nr.

Dwg.Nr.
A96

Page **251**
Follow +DRM13/253

+DRM12-DCN2
+DRM12/251.8
600Vdc
-DCN2 / +DRM14/255.0
+DRM12-DCP2
+DRM12/251.8
-DCP2 / +DRM14/255.0
+DRM12-24V-L30
+DRM12/251.8
24Vdc
-24V-L30 / +DRM14/255.2
+DRM12-0V3
+DRM12/251.8
-0V3 / +DRM14/255.2

+IL-24V-DZ3
+IL/125.4
24Vdc

+Q05
-253A0

-DCP
-DCN
-X21 1 2 3 4
-X24 + -

SIEMENS

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

+
M
DCP
DCN

-X22 1 2 3 4
TEMP+ TEMP- EP +24 V EP M
-X203
DRIVE-CLiQ

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

DRIVE-CLiQ -X200
DRIVE-CLiQ -X201
PE1
PE

-X1 U2 V2 W2 PE
-X2 U2 V2 W2 PE
DRIVE-CLiQ -X202
PE3
PE

-CLiq0
+AC/DC/208.3

234-01
234-02
234-03
234-04
234-05
234-06

438K7
+PLC/438.7
438K8
+PLC/438.8
440K7
+PLC/440.7
440K8
+PLC/440.8

1 3 5
2 4 6

234-U1 *234-V1* *234-W1*
234-U2 *234-V2* *234-W2*
234-U3 *234-V3* *234-W3*
234-U4 *234-V4* *234-W4*

U1 V1 W1 PE
M 3~

-253M1
A96.26.18
2.2kW 5.3A
400V 1500rpm

-253M3
A96.26.21
3kW 6.9A
400V 1500rpm

-253M6
A96.26.29
2.2kW 5.3A
400V 1500rpm

-253M7
A96.26.32
3kW 6.9A
400V 1500rpm

1° RULLIERA COMBINATA
RULLI

1° RULLIERA COMBINATA
CATENE

2° RULLIERA COMBINATA
RULLI

2° RULLIERA COMBINATA
CATENE

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

RULLIERE COMBINATE
BOX 1 / BOX 2
Descript.

NOVASTILMEC A96

= A96
+ **DRM13**

Job Nr.
Dwg.Nr. A96
Page **253**
Follow +DRM14/255

+DRM13-DCN2
+DRM13/253.8
600Vdc
-DCN2 / +DRM15/258.0
+DRM13-DCP2
+DRM13/253.8
-DCP2 / +DRM15/258.0
+DRM13-24V-L30
+DRM13/253.8
24Vdc
-24V-L30 / 256.0
+DRM13-0V3
+DRM13/253.8
-0V3 / 256.0

+IL-24V-DZ3
+IL/125.4
24Vdc

+Q05
-255A0

-DCP
-DCN

-X21 1 2 3 4

-X24 + -

-X22 1 2 3 4
TEMP+
TEMP-
EP +24 V
EP M

-X203
DRIVE-CLiQ

SIEMENS

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

+
M
DCP
DCN

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

DRIVE-CLiQ
-X200
-X201
PE1
PE

-X1 U2 V2 W2 PE

-X2 U2 V2 W2 PE

DRIVE-CLiQ
-X202
PE3
PE

-CLiq0
+AC/DC/208.4

-CLiq1
256.4

-CLiq2
256.8

255-U1
255-V1
255-W1

U1 V1 W1 PE
M
3 ~

-255M1
A96.26.7
2.2kW 5.3A
400V 1500rpm

WEIGHT PLATFORM
BOX 1

255-U2
255-V2
255-W2

U1 V1 W1 PE
M
3 ~

-255M6
A96.26.13
2.2kW 5.3A
400V 1500rpm

WEIGHT PLATFORM
BOX 2

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: WEIGHT PLATFORM BOX 1 / BOX 2

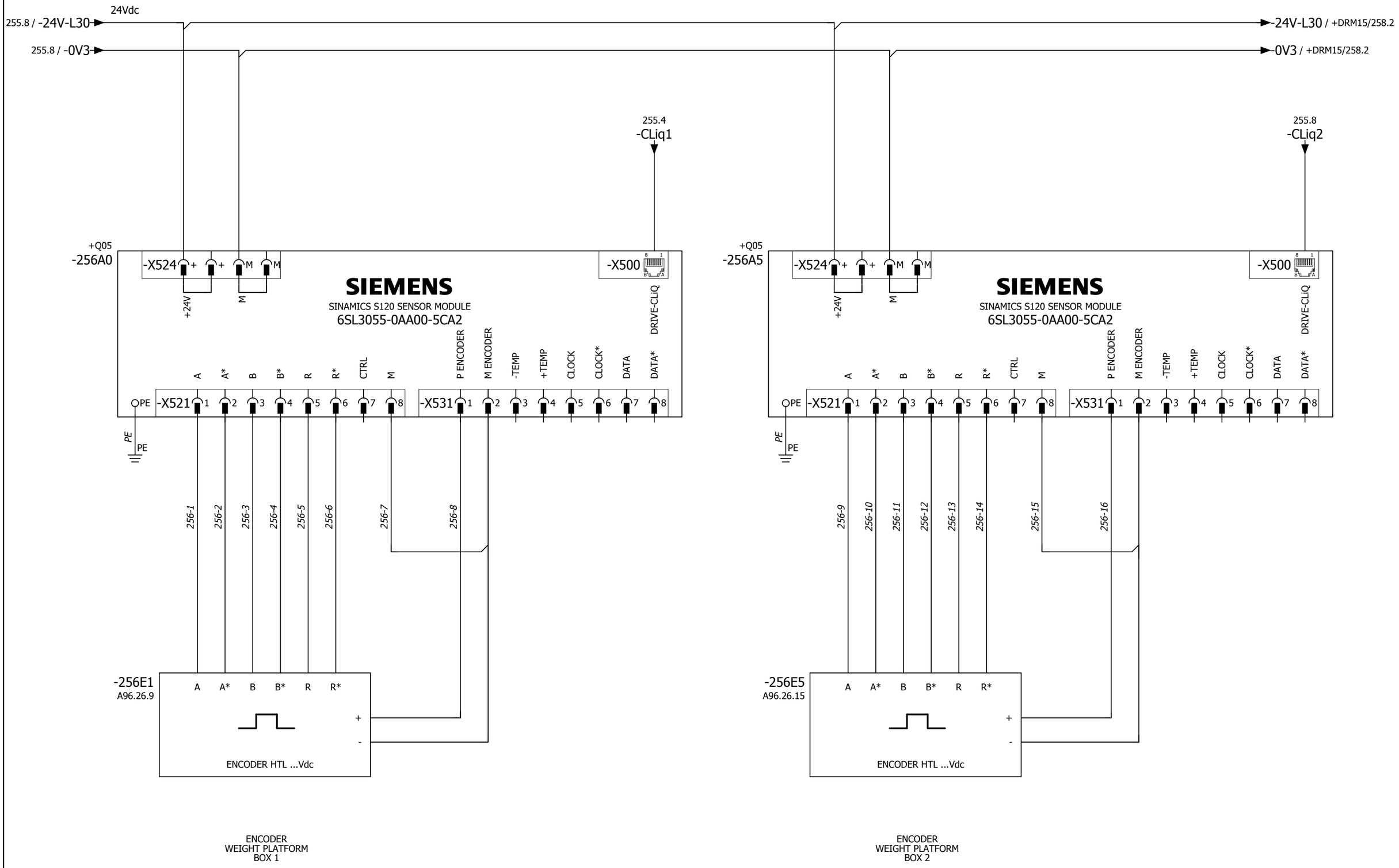
NOVASTILMEC A96

= A96
+ **DRM14**

Job Nr.

Dwg.Nr. A96

Page **255**
Follow 256



ENCODER
WEIGHT PLATFORM
BOX 1

ENCODER
WEIGHT PLATFORM
BOX 2

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

WEIGHT PLATFORM
BOX 1 / BOX 2

Descript.

NOVASTILMEC A96

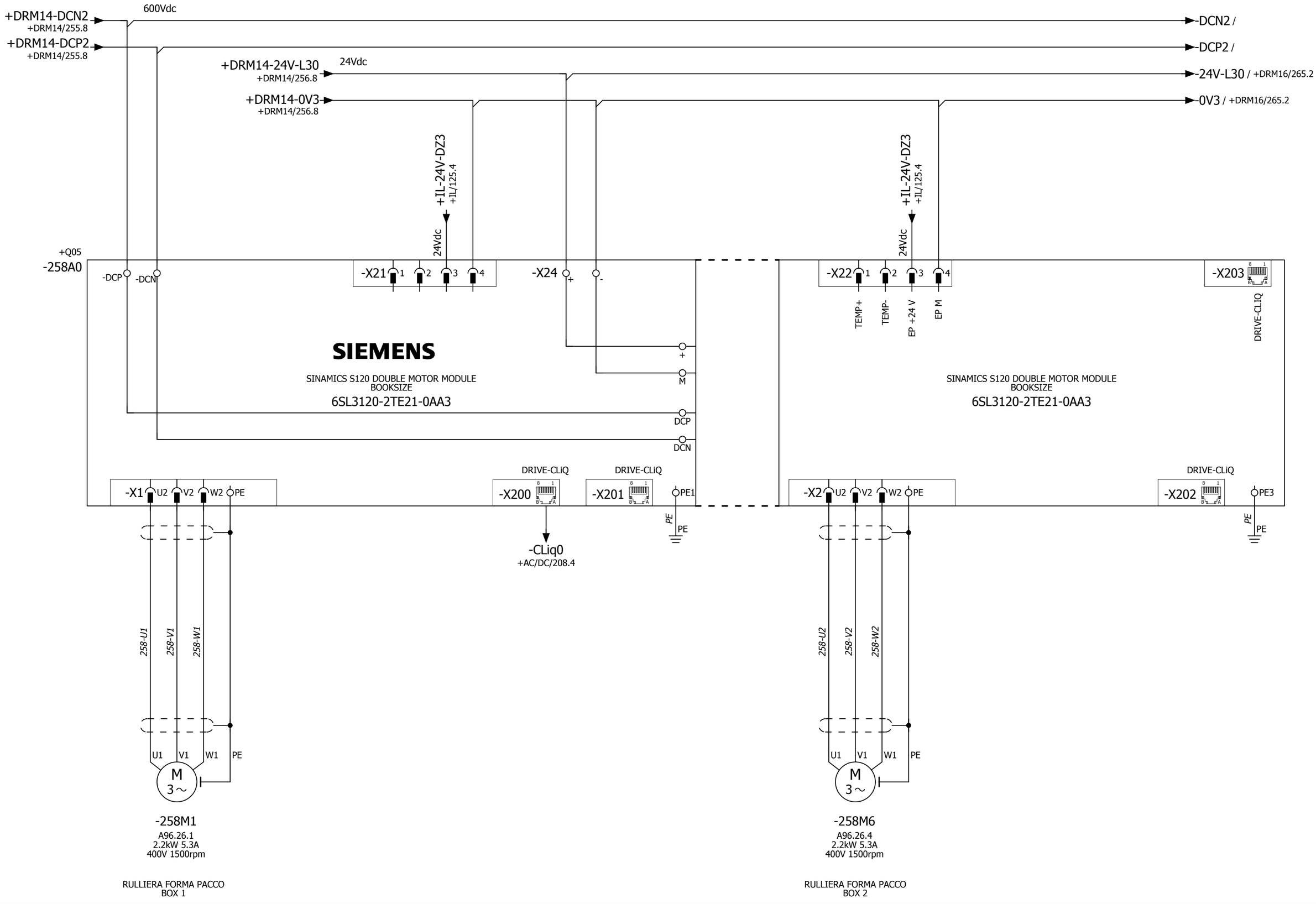
= A96
+ **DRM14**

Job Nr.

Dwg.Nr. A96

Page **256**

Follow +DRM15/258



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

RULLIERA FORMA PACCO
BOX 1 / BOX 2

Descript.

NOVASTILMEC A96

= A96
+ **DRM15**

Job Nr.

Dwg.Nr. A96

Page **258**

Follow +DRM16/265

+DRM10-DCN
+DRM10/245.8
600Vdc
+DRM10-DCP
+DRM10/245.8
+DRM15-24V-L30
+DRM15/258.8
24Vdc
+DRM15-0V3
+DRM15/258.8

-DCN /
-DCP /
-24V-L30 / +DRM17/267.2
-0V3 / +DRM17/267.2

+Q06
-265F1
50A gG
2302058
1441050
1
2
3
4

-DCN3 / +DRM17/267.0
-DCP3 / +DRM17/267.0

+IL-24V-DZ3
+IL/125.4
24Vdc

+Q06
-265A0

-DCP
-DCN

-X21 1 2 3 4

-X24 + -

-X22 1 2 3 4
TEMP+
TEMP-
EP +24 V
EP M

-X203
DRIVE-CLiQ

SIEMENS

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

+
M
DCP
DCN

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

DRIVE-CLiQ
DRIVE-CLiQ
DRIVE-CLiQ
DRIVE-CLiQ

-X1 U2 V2 W2 PE
-X200
-X201
PE1
PE

-X2 U2 V2 W2 PE
-X202
PE3
PE

-CLiq0
+AC/DC/209.2

265-U1
265-V1
265-W1
U1 V1 W1 PE
M
3~

-265M1
A96.23.9
3kW 6.6A
400V 3000rpm

VENTILATORE
SOSTEGNO FOGLI

265-U2
265-V2
265-W2
U1 V1 W1 PE
M
3~

-265M6
A96.26.40
3kW 6.9A
400V 3000rpm

1° TRANSFER ROLLER
(BEFORE STRAPPING MACHINE)

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.
VENTILATORE SOSTEGNO FOGLI+
1° TRANSFER ROLLER
(BEFORE STRAPPING MACHINE)

NOVASTILMEC A96

= A96
+ **DRM16**

Job Nr.
Dwg.Nr. A96
Page **265**
Follow +DRM17/267

+DRM16-DCN3
+DRM16/265.1
600Vdc
-DCN3 / +DRM18/269.0

+DRM16-DCP3
+DRM16/265.1
-DCP3 / +DRM18/269.0

+DRM16-24V-L30
+DRM16/265.8
24Vdc
-24V-L30 / +DRM18/269.2

+DRM16-0V3
+DRM16/265.8
-0V3 / +DRM18/269.2

+IL-24V-DZ3
+IL/125.4
24Vdc

+Q06
-267A0

-DCP
-DCN

-X21 1 2 3 4

-X24 + -

-X22 1 2 3 4
TEMP+
TEMP-
EP +24 V
EP M

-X203
DRIVE-CLiQ

SIEMENS

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

+
M
DCP
DCN

DRIVE-CLiQ
DRIVE-CLiQ

-X1 U2 V2 W2 PE

-X200
-X201

PE1
PE

-CLiq0
+AC/DC/209.3

267-U1
267-V1
267-W1

U1 V1 W1 PE
M
3 ~

-267M1
A96.26.67
3kW 6.9A
400V 3000rpm

2° TRANSFER ROLLER
(AFTER STRAPPING MACHINE)

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

DRIVE-CLiQ

-X2 U2 V2 W2 PE

-X202

PE3
PE

267-U2
267-V2
267-W2

U1 V1 W1 PE
M
3 ~

-267M6
A96.26.70
3kW 6.9A
400V 3000rpm

3° TRANSFER ROLLER
(AFTER STRAPPING MACHINE)

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: 2°/3° TRANSFER ROLLER (AFTER STRAPPING MACHINE)

NOVASTILMEC A96

= A96
+ **DRM17**

Job Nr.

Dwg.Nr. A96

Page **267**

Follow +DRM18/269

+DRM17-DCN3
+DRM17/267.8
600Vdc
-DCN3 / +DRM19/271.0

+DRM17-DCP3
+DRM17/267.8
-DCP3 / +DRM19/271.0

+DRM17-24V-L30
+DRM17/267.8
24Vdc
-24V-L30 / +DRM19/271.2

+DRM17-0V3
+DRM17/267.8
-0V3 / +DRM19/271.2

+IL-24V-DZ2
+IL/125.2
24Vdc

+IL-24V-DZ2
+IL/125.2
24Vdc

+Q06
-269A0

-DCP
-DCN

-X21 1 2 3 4

-X24 + -

-X22 1 2 3 4
TEMP+
TEMP-
EP +24 V
EP M

-X203
DRIVE-CLIQ

SIEMENS

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

+
M
DCP
DCN

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-0AA3

DRIVE-CLiQ
DRIVE-CLiQ
DRIVE-CLiQ

-X1 U2 V2 W2 PE
PE1
PE

-X200
-X201
-X202

-CLiq0
+AC/DC/209.4

-X2 U2 V2 W2 PE
PE3
PE

269-U1
269-V1
269-W1

U1 V1 W1 PE
M
3~

-269M1
A96.18.5
0.37kW 1.27A
400V 1500rpm

269-U2
269-V2
269-W2

U1 V1 W1 PE
M
3~

-269M6
A96.20.23
4kW 9,2A
400V 1500rpm

PINCH ROLL ENTRY SHEAR

BELT 3

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

PINCH ROLL ENTRY SHEAR
- BELT 3

Descript.

NOVASTILMEC A96

= A96
+ **DRM18**

Job Nr.

Dwg.Nr.
A96

Page **269**
Follow +DRM19/271

+DRM18-DCN3
+DRM18/269.8
600Vdc
-DCN3 /

+DRM18-DCP3
+DRM18/269.8
-DCP3 /

+DRM18-24V-L30
+DRM18/269.8
24Vdc
-24V-L30 / 272.0

+DRM18-0V3
+DRM18/269.8
-0V3 / 272.0

+IL-24V-DZ1
+IL/125.1
24Vdc

+IL-24V-DZ3
+IL/125.4
24Vdc

+Q06
-271A0

-DCP
-DCN
-X21 1 2 3 4
-X24 + -

SIEMENS

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-8AA3

+
M
DCP
DCN

-X22 1 2 3 4
TEMP+
TEMP-
EP +24 V
EP M

-X203
DRIVE-CLiQ

SINAMICS S120 DOUBLE MOTOR MODULE
BOOKSIZE
6SL3120-2TE21-8AA3

DRIVE-CLiQ -X200
DRIVE-CLiQ -X201

-X1 U2 V2 W2 PE
PE1
PE

-CLiq0
+AC/DC/209.4

-X2 U2 V2 W2 PE
PE3
PE

DRIVE-CLiQ -X202

-CLiq1
272.7

271-01
271-02
271-03

+Q06
-271Q1
4.5÷6.3A
(5,3A)
3RV1021-1GA10
1 3 5 13 21
I> I> I>
2 4 6 14 22
+PLC/516.6

271-U1
271-V1
271-W1
U1 V1 W1 PE
M 3~

-271M1
A96.01.1
2.2kW 5.3A
400V 1500rpm

CAR COILS
FRONT ROLL

+Q06
-271Q3
4.5÷6.3A
(5,3A)
3RV1021-1GA10
1 3 5 13 21
I> I> I>
2 4 6 14 22
+PLC/516.7

271-U2
271-V2
271-W2
U1 V1 W1 PE
M 3~

-271M3
A96.01.3
2.2kW 5.3A
400V 1500rpm

CAR COILS
REAR ROLL

271-U3
271-V3
271-W3
U1 V1 W1 PE
M 3~

-271M6
A96.23.1
5,23kW 11.5A
400V 2000rpm

PINCH ROLL ENTRY STACKER

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

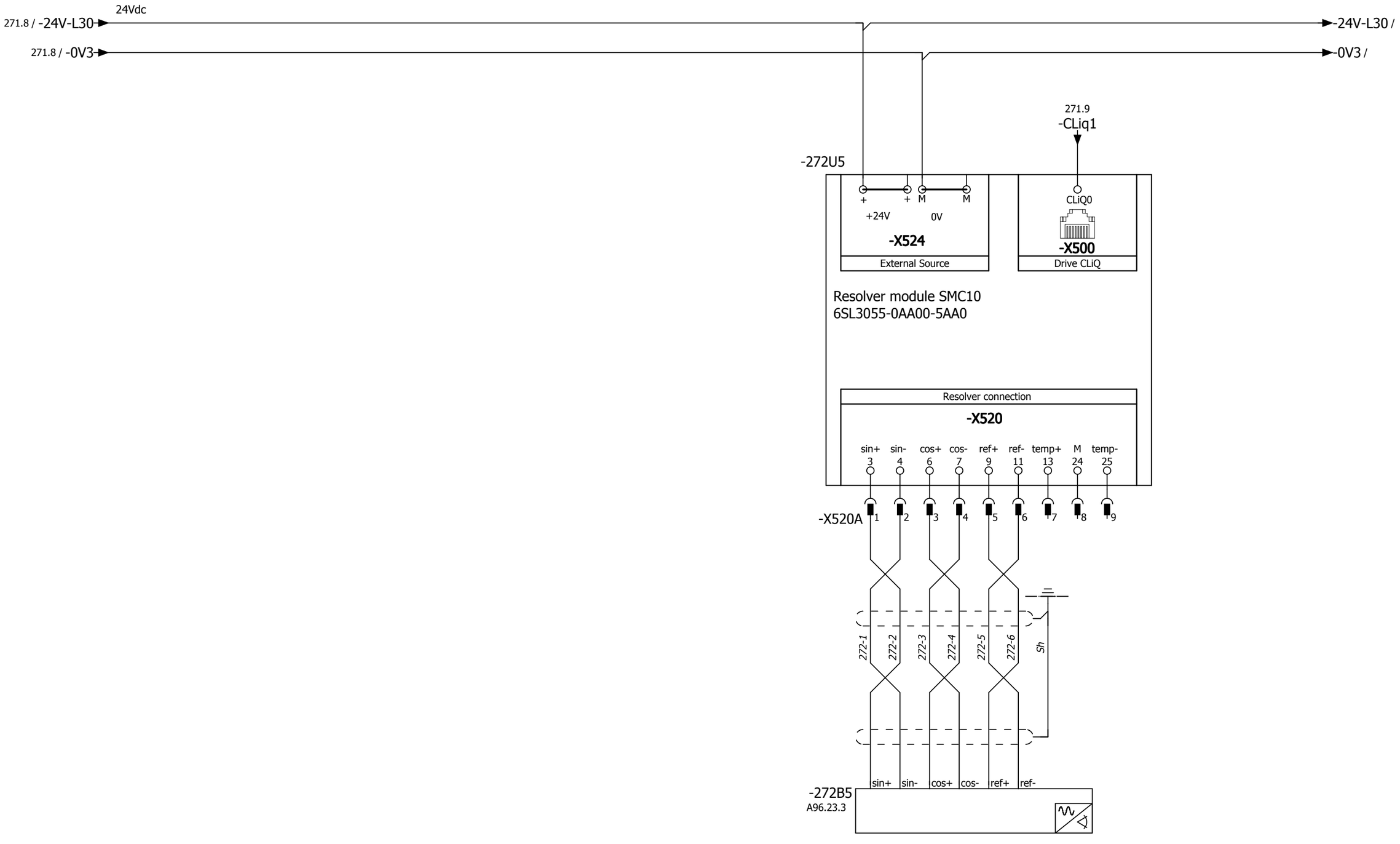
GA-Tech

CAR COILS +
PINCH ROLL ENTRY STACKER
Descript.

NOVASTILMEC A96

= A96
+ **DRM19**

Job Nr.
Dwg.Nr. A96
Page **271**
Follow 272



RESOLVER
PINCH ROLL ENTRY STACKER

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	CAR COILS + PINCH ROLL ENTRY STACKER	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **DRM19**
				Check	ALE				Job Nr. / Dwg.Nr. A96	Page **272**
Rev.	Descript.	Date	Name	Original				Descript.		Follow +AC/300

+IL/112.1 / +IL-AC-L1
+IL/112.1 / +IL-AC-L2
+IL/112.1 / +IL-AC-L3

AC-L1 / 301.0
AC-L2 / 301.0
AC-L3 / 301.0

+Q07
-300Q1
40÷50A
(44A)
3RV1031-4HA10
+PLC/500.1

+Q07
-300Q3
0.7÷1A
(0,7A)
3RV1011-0JA10
+PLC/500.2

+Q07
-300Q5
3.5÷5A
(3.7A)
3RV1021-1FA15
+PLC/500.3

300-1 300-2 300-3
300-4 300-5 300-6
300-7 300-8 300-9

430K1
+PLC/430.1

430K2
+PLC/430.2

430K3
+PLC/430.3

300-U1 300-V1 300-W1
300-U2 300-V2 300-W2
300-U3 300-V3 300-W3

-X1.1 WDU35 1 2 3
-X1.1 WDU6 4 5 6
-X1.1 WDU35 7 8 9

U1 V1 W1 PE
M 3~

-300M1

A96.100.1
22KW 44A
400V 1500rpm

LINE
PUMP 1

-300M3

A96.100.2
0,27KW 0,7A
400V 3000rpm

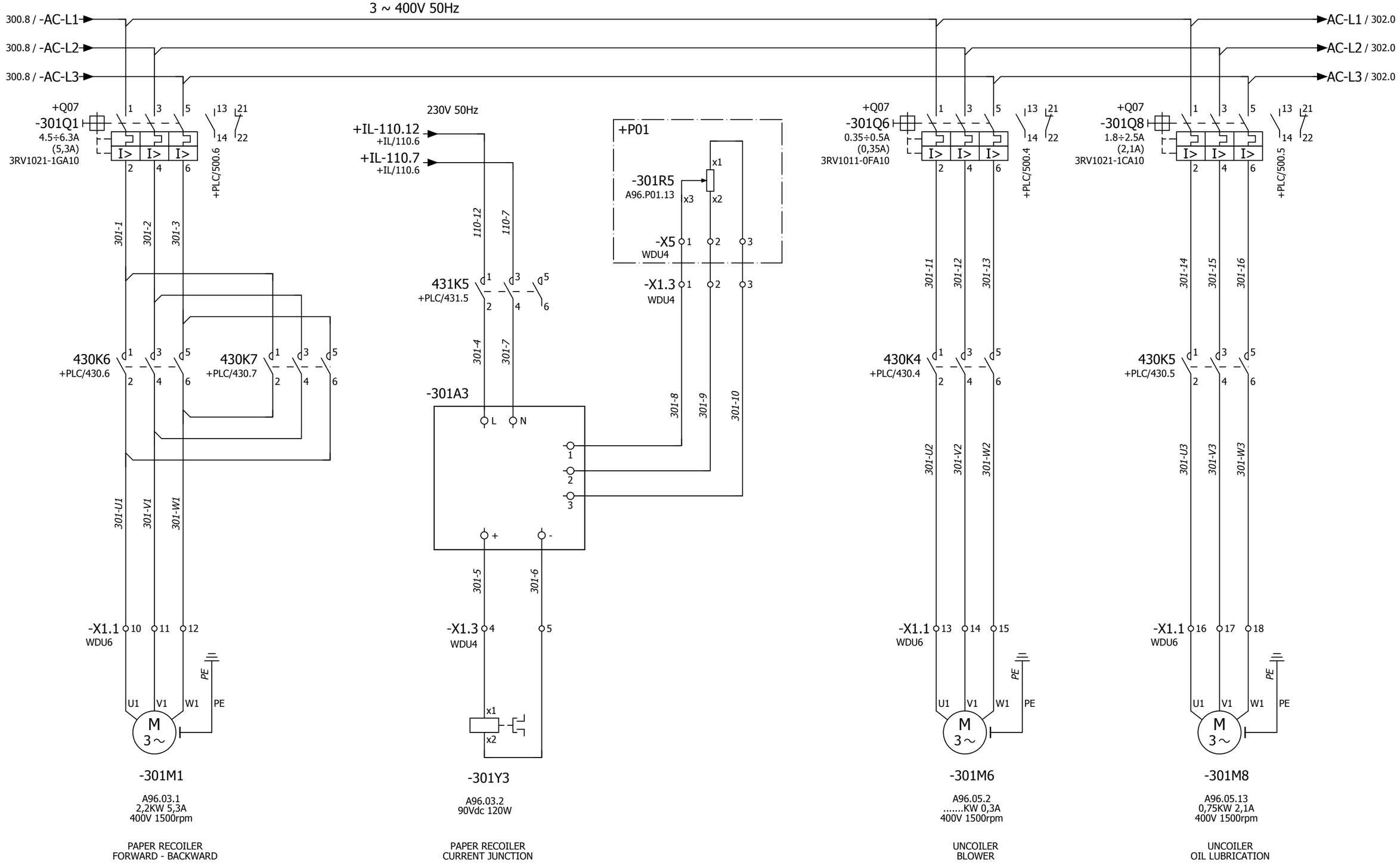
LINE
OIL COOLING PUMP

-300M5

A96.100.8
1,5KW 3,7A
400V 1500rpm

PUMP CIRCULATION

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	OLEODINAMIC EQUIPMENT	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **AC**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **300** / Follow 301
Rev.	Descript.	Date	Name	Original				Descript.		



Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: POWER SUPPLY AC MOTORS

NOVASTILMEC A96

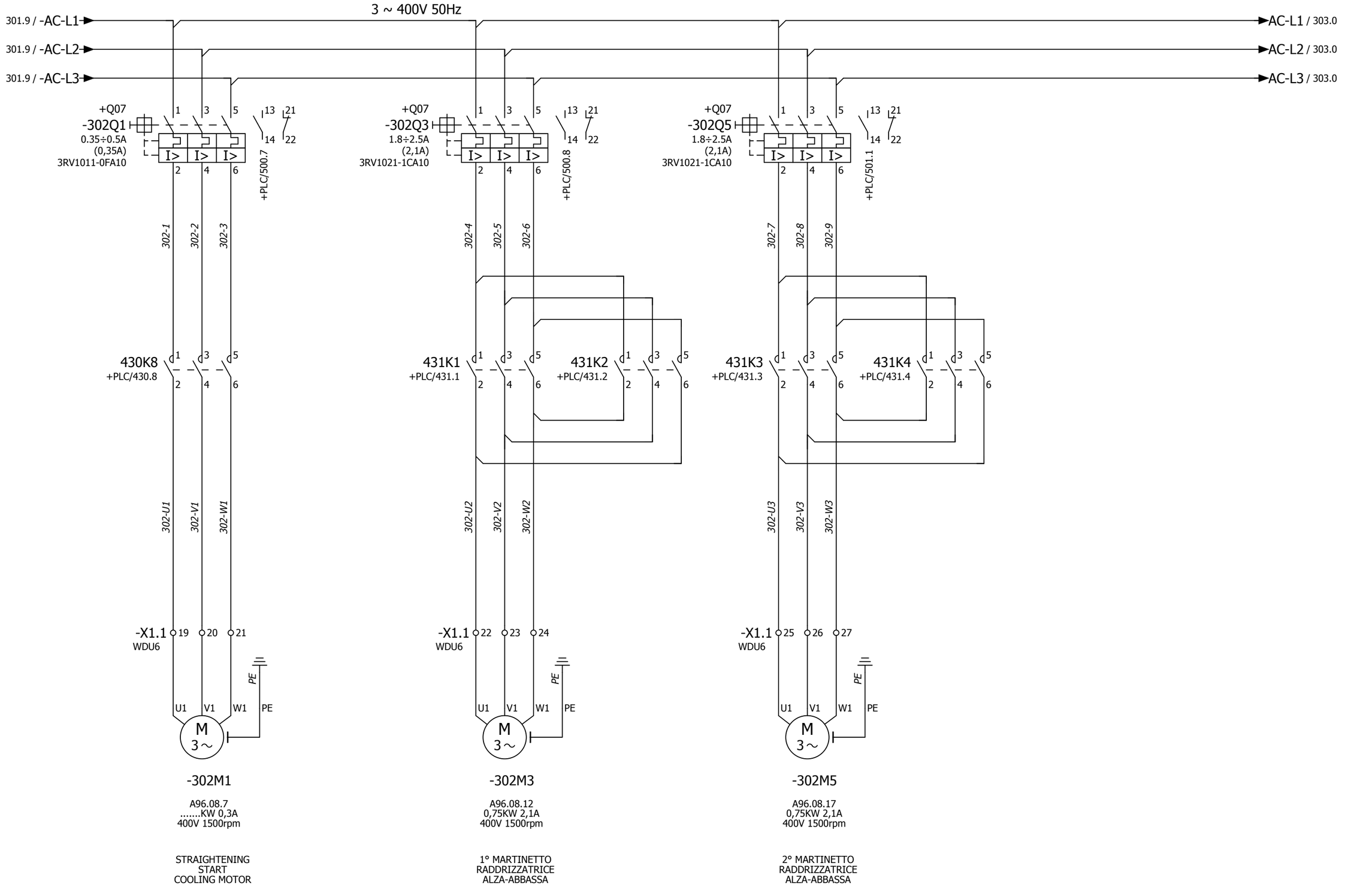
= A96
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **301**

Follow 302



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY AC MOTORS

Descript.

NOVASTILMEC A96

= A96

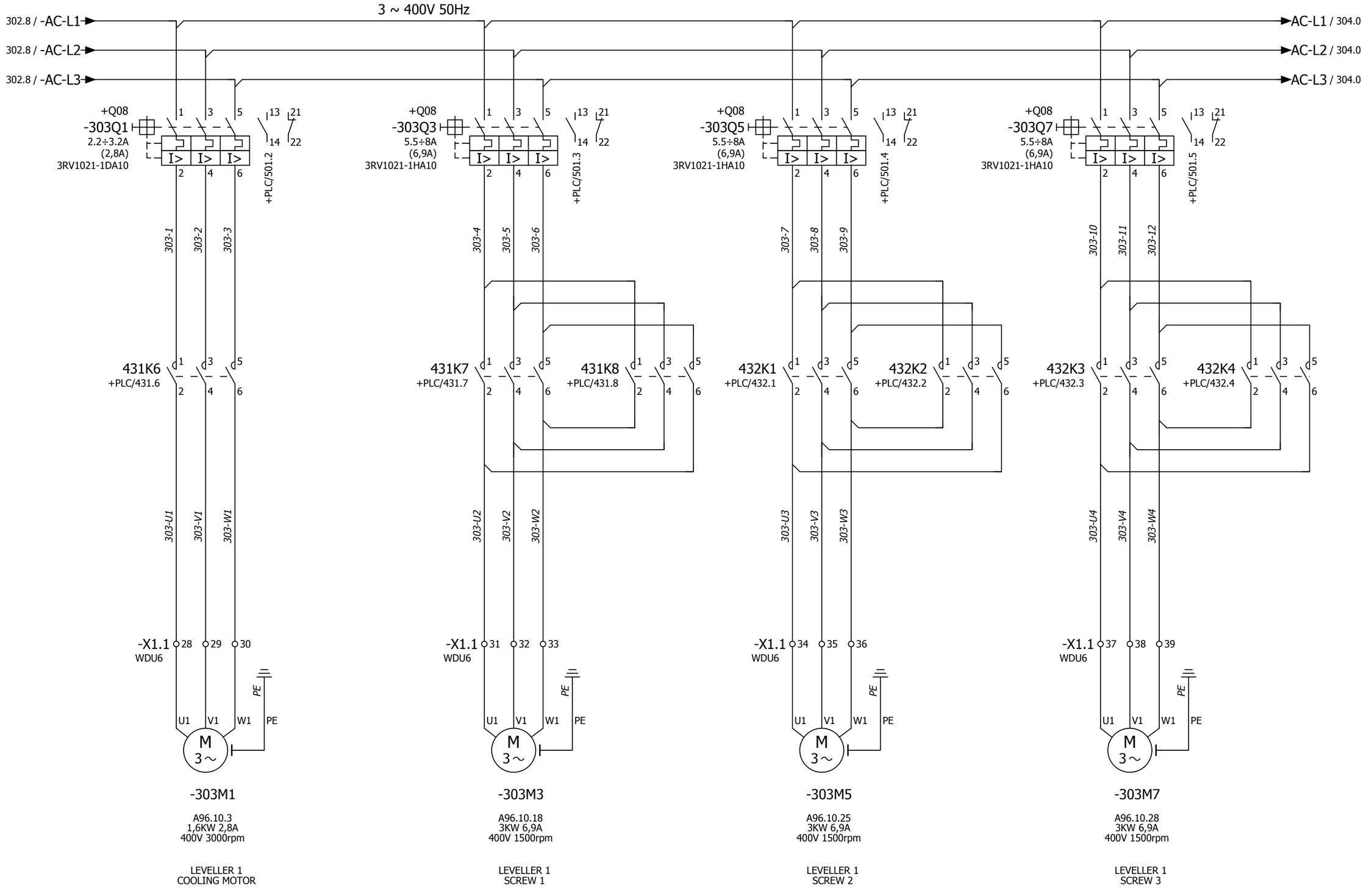
+ **AC**

Job Nr.

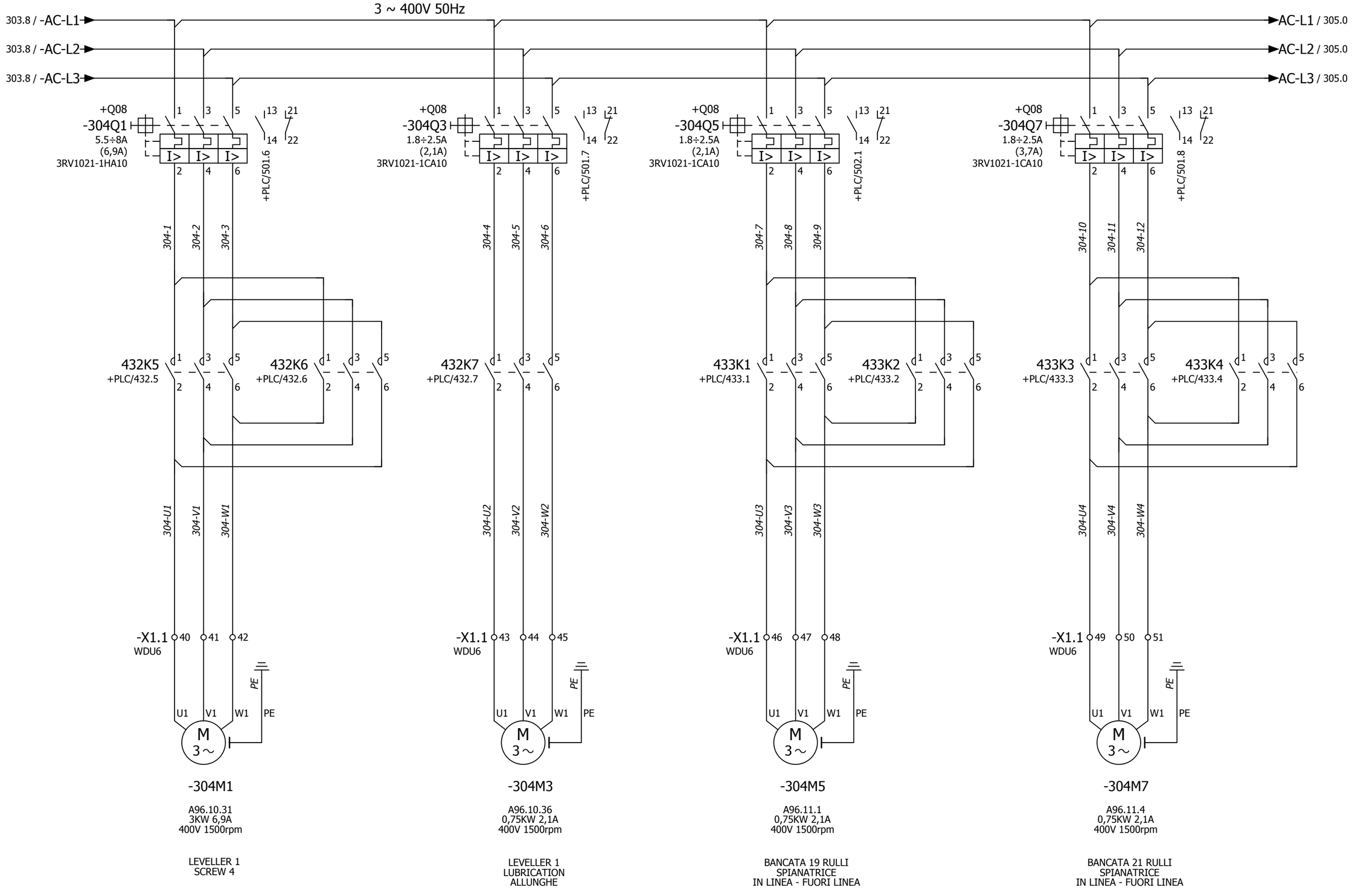
Dwg.Nr. A96

Page **302**

Follow 303



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	POWER SUPPLY AC MOTORS	NOVASTILMEC A96 = A96 + **AC**
				Drawn	TPM				
				Check	ALE				Job Nr. / Dwg.Nr. A96 / Page **303** / Follow 304
Rev.	Descript.	Date	Name	Original				Descript.	



Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: POWER SUPPLY AC MOTORS

NOVASTILMEC A96

= A96

+ **AC**

Job Nr.

Dwg.Nr. A96

Page **304**

Follow 305

3 ~ 400V 50Hz

304.8 / -AC-L1
304.8 / -AC-L2
304.8 / -AC-L3

AC-L1 / 306.0
AC-L2 / 306.0
AC-L3 / 306.0

+Q08
-305Q1
2.8÷4A
(2,8A)
3RV1021-1EA10
+PLC/502.2

+Q08
-305Q3
3.5÷5A
(3,7A)
3RV1021-1FA10
+PLC/502.6

+Q08
-305Q5
1.1÷1.6 A
(....A)
3RV1021-1AA10
+PLC/502.3

+Q08
-305Q7
0.35÷0.5A
(2,1A)
3RV1011-0FA10
+PLC/502.4

305-1 305-2 305-3
305-4 305-5 305-6
305-7 305-8 305-9
305-10 305-11 305-12

435K1 +PLC/435.1
435K2 +PLC/435.2
435K7 +PLC/435.7
435K8 +PLC/435.8
435K3 +PLC/435.3
435K4 +PLC/435.4
435K5 +PLC/435.5

305-U1 305-V1 305-W1
305-U2 305-V2 305-W2
305-U3 305-V3 305-W3
305-U4 305-V4 305-W4

-X1.1 WDU6 52 53 54
-X1.1 WDU6 55 56 57
-X1.1 WDU6 58 59 60
-X1.1 WDU6 61 62 63

PE U1 V1 W1 PE

M 3~

-305M1

A96.11.7
1,1KW 2,8A
400V 1500rpm

CARRELLO
BANCATA 19/21 RULLI
SPIANATRICE
IN LINEA - FUORI LINEA

-305M3

A96.14.1
1,5KW 3,7A
400V 1500rpm

LEVELLER
CLEANING ROLL

-305M5

A96.15.1
0,25KW ....A
400V 1500rpm

OVERPASSING
TABLE
RAISE-LOWER

-305M7

A96.16.2
.....KW 0,37A
400V 1500rpm

PLASTIFICATORE
BLOWER

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY AC MOTORS

Descript.

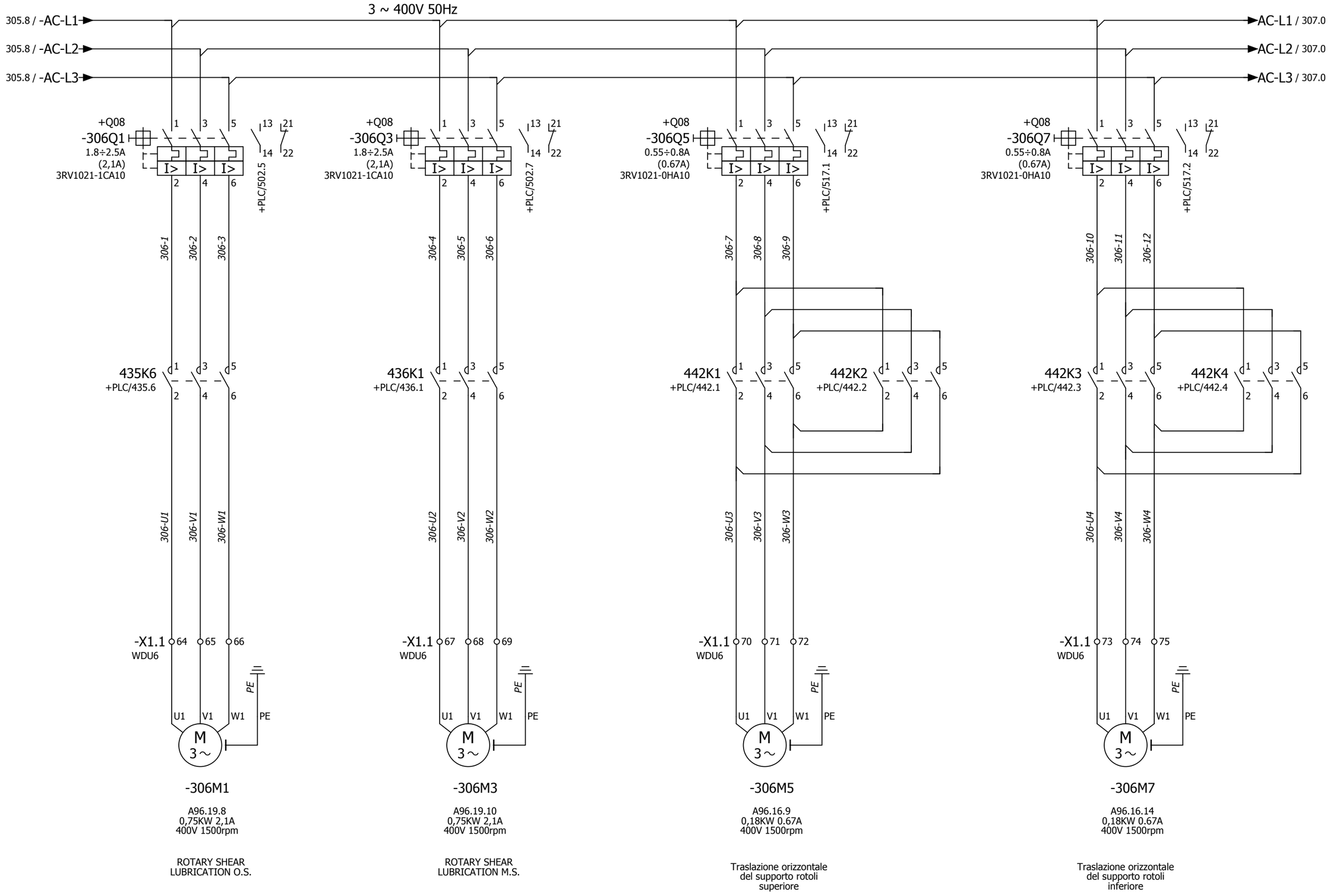
NOVASTILMEC A96

= A96
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **305**
Follow 306



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY AC MOTORS

Descript.

NOVASTILMEC A96

= A96

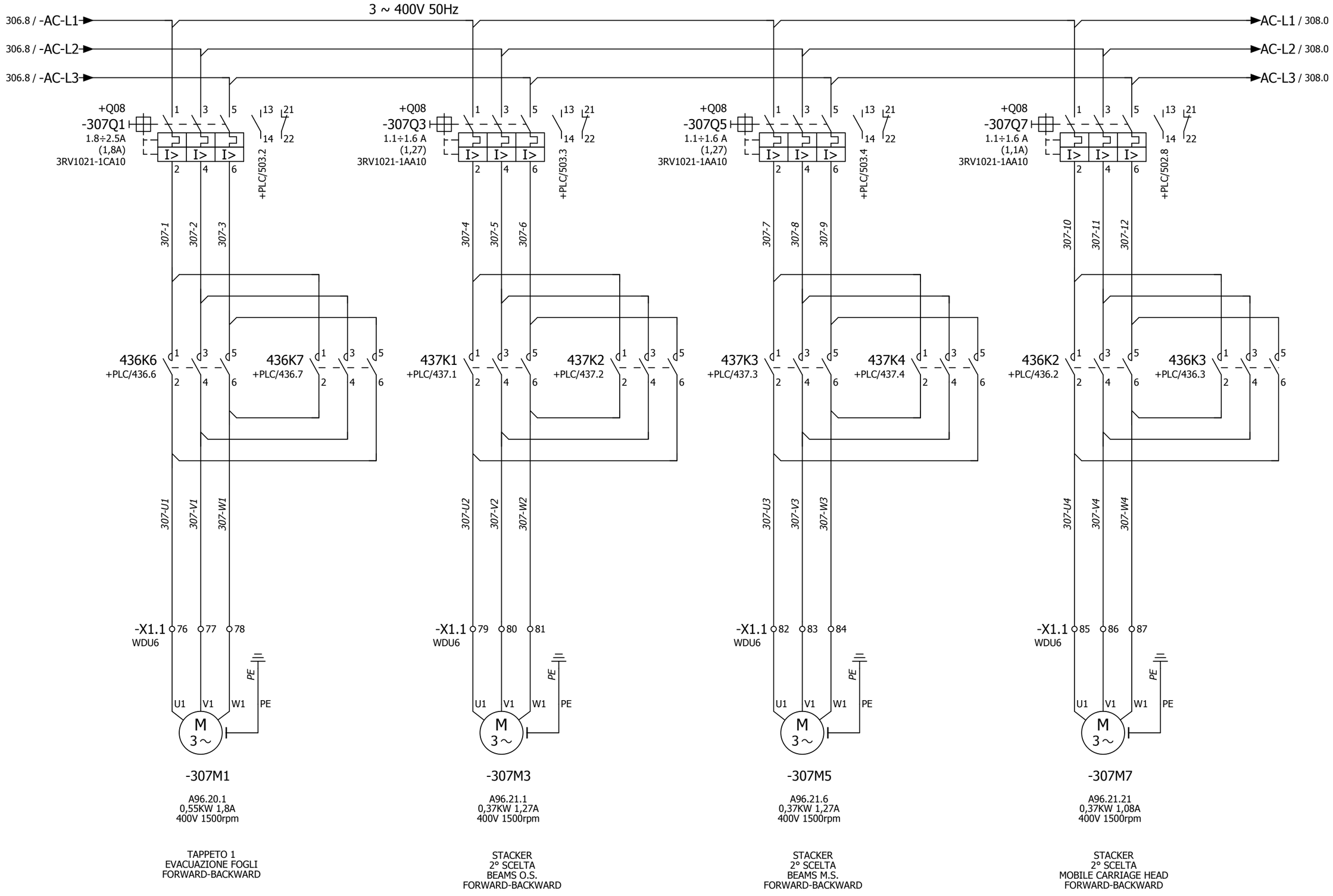
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **306**

Follow 307



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: POWER SUPPLY AC MOTORS

NOVASTILMEC A96

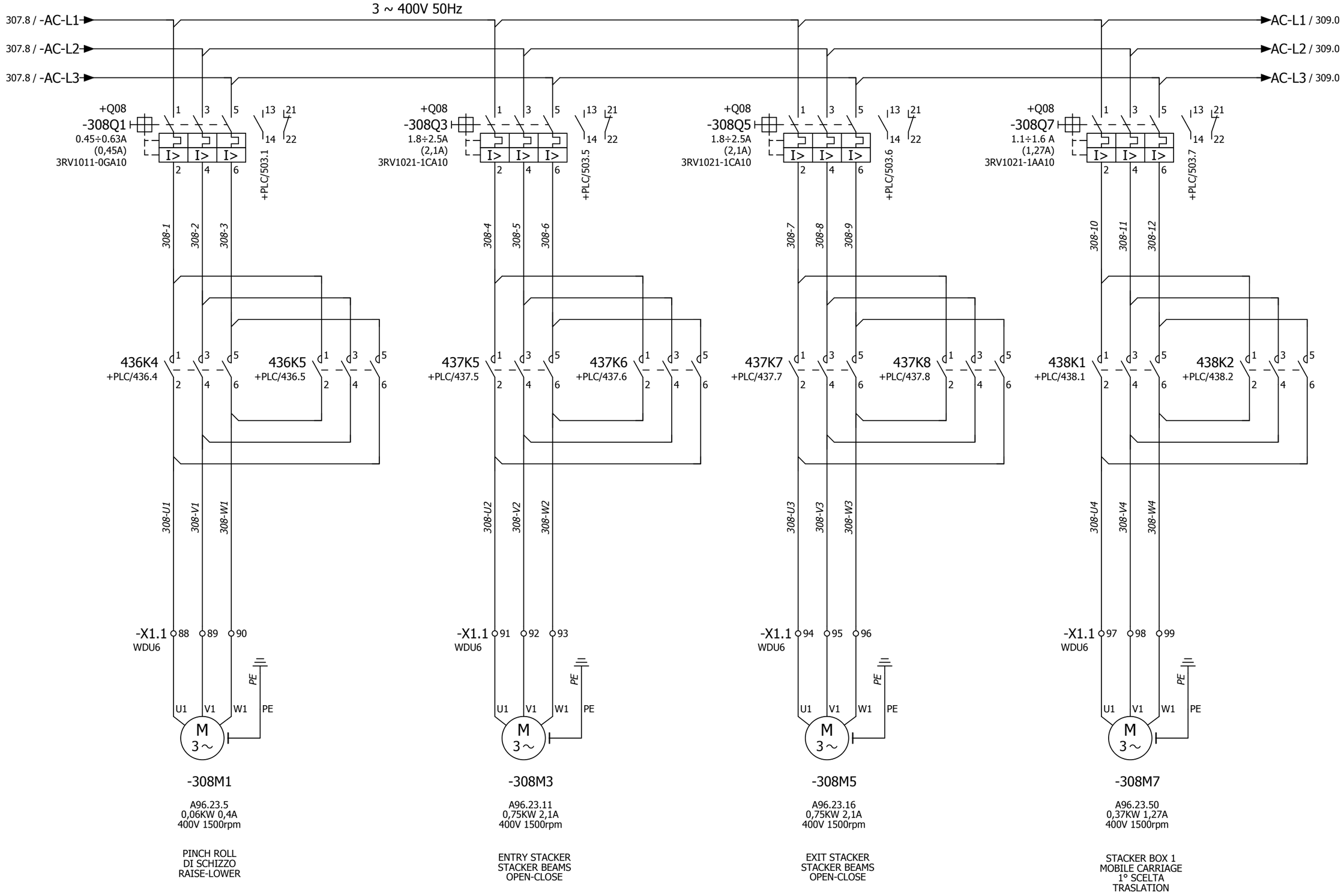
= A96
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **307**

Follow 308



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY AC MOTORS

Descript.

NOVASTILMEC A96

= A96

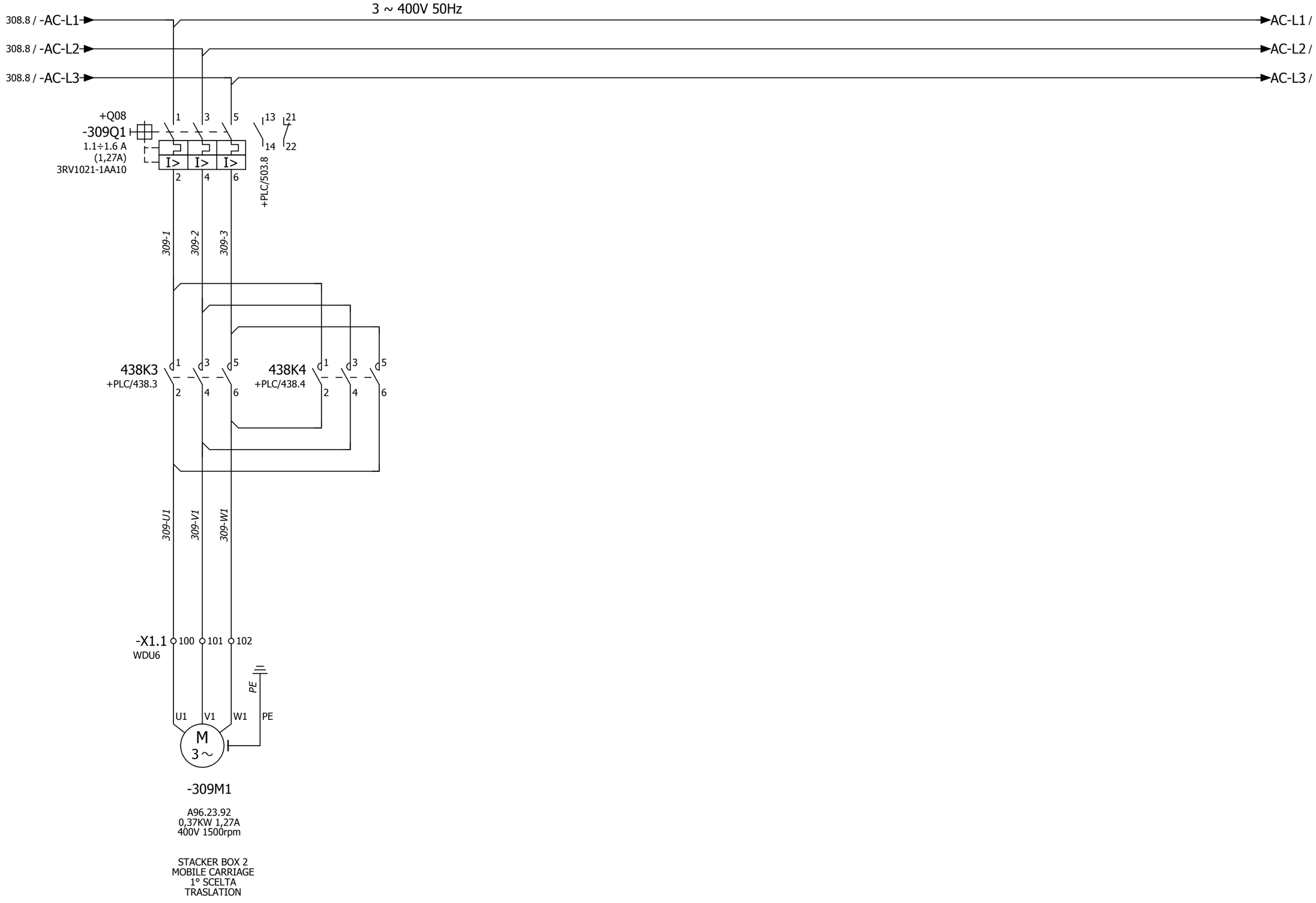
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **308**

Follow 309



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	POWER SUPPLY AC MOTORS	NOVASTILMEC A96 = A96 + **AC**
				Drawn	TPM				
				Check	ALE				Job Nr. / Dwg.Nr. A96 / Page **309** / Follow 330
Rev.	Descript.	Date	Name	Original				Descript.	

0	1	2	3	4	5	6	7	8	9

+IL/111.1 / +IL-111-05

+IL/111.1 / +IL-111-06

1 ~ 230V 50Hz

111-05 / 331.0

111-06 / 331.0

+Q08 -330Q1 0.18÷0.25A (0,2) 3RV1011-0CA10

+Q08 -330Q3 0.18÷0.25A (0,2) 3RV1011-0CA10

+Q08 -330Q4 0.18÷0.25A (0,2) 3RV1011-0CA10

+Q08 -330Q6 0.11÷0.16A (0,12) 3RV1011-0AA10

+Q08 -330Q7 0.11÷0.16A (0,12) 3RV1011-0AA10

/340.1

330-1 330-3 330-2

330-4 330-6 330-5

330-7 330-9 330-8

330-10 330-12 330-11

330-13 330-15 330-14

+PLC-440K1 +PLC/440.1

+PLC-440K2 +PLC/440.2

+PLC-440K3 +PLC/440.3

360K2 /360.2

360K3 /360.3

330-L1 330-N1

330-L2 330-N2

330-L3 330-N3

330-L4 330-N4

330-L5 330-N5

-X1.2 WDU4

PE

-330Y1

A96.01.2
40W 0,2A
230V

FRONT ROLL
ENTRY COIL CAR
BRAKE

-330Y3

A96.01.4
40W 0,2A
230V

REAR ROLL
ENTRY COIL CAR
BRAKE

-330Y4

A96.02.2
40W 0,2A
230V

ENTRY COIL CAR
STAND-BY BRAKE

-330Y6

A96.08.13
25W 0,12A
230V

1° MARTINETTO
RADDRIZZATRICE
STAND-BY BRAKE

-330Y8

A96.08.18
25W 0,12A
230V

2° MARTINETTO
RADDRIZZATRICE
STAND-BY BRAKE

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY BRAKES

Descript.

NOVASTILMEC A96

= A96

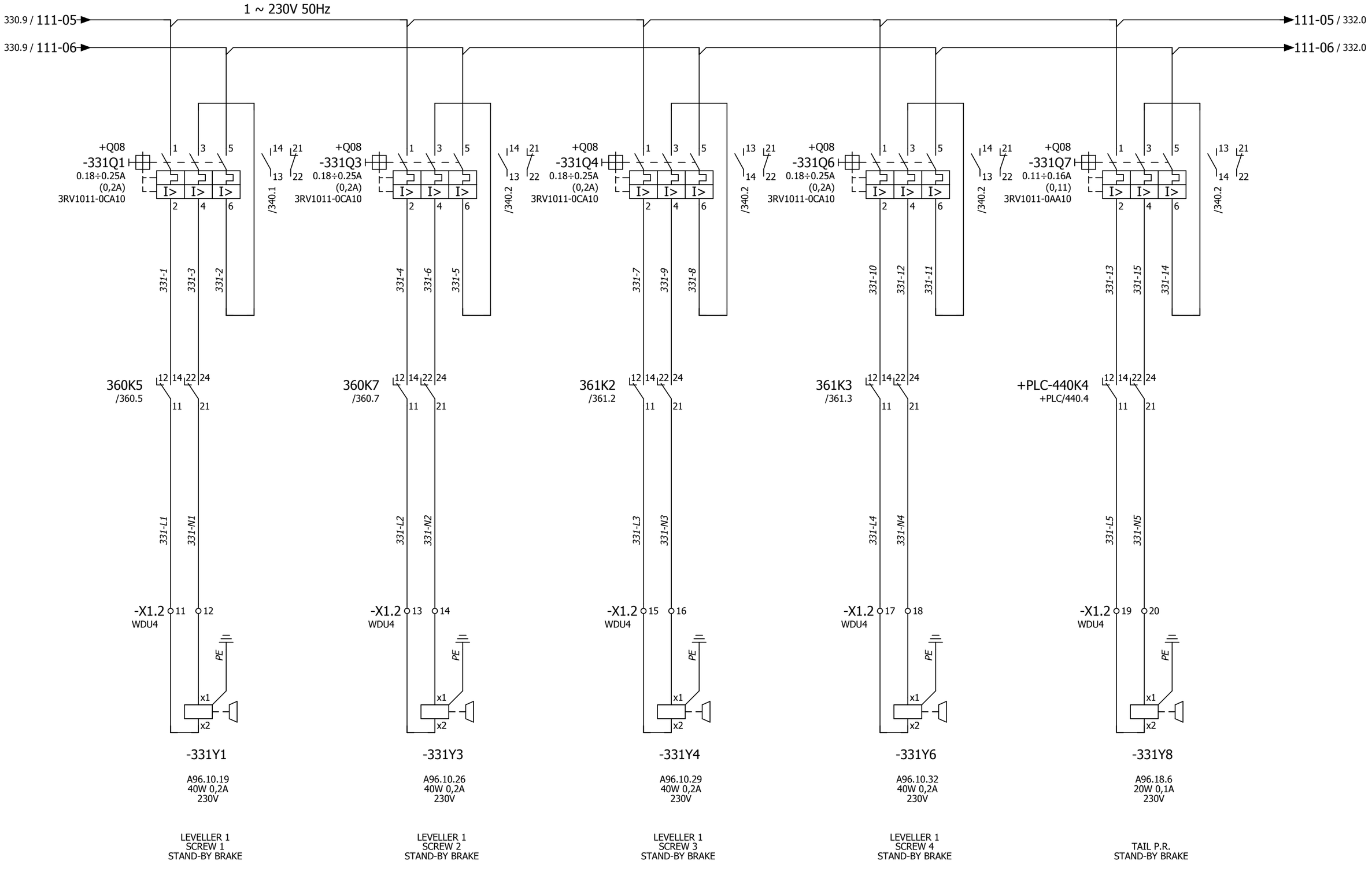
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **330**

Follow 331



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY BRAKES

Descript.

NOVASTILMEC A96

= A96

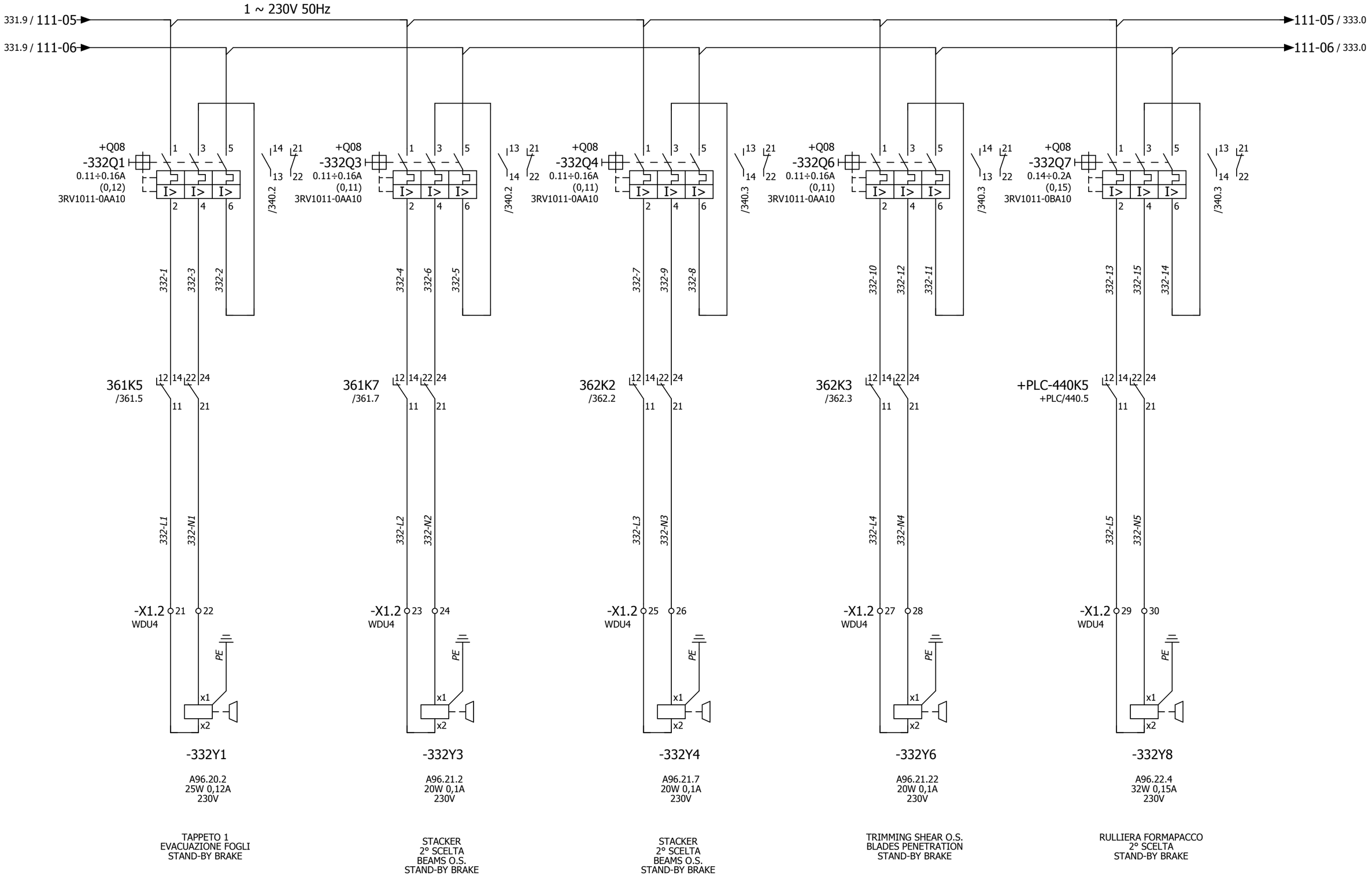
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **331**

Follow 332



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY BRAKES

Descript.

NOVASTILMEC A96

= A96

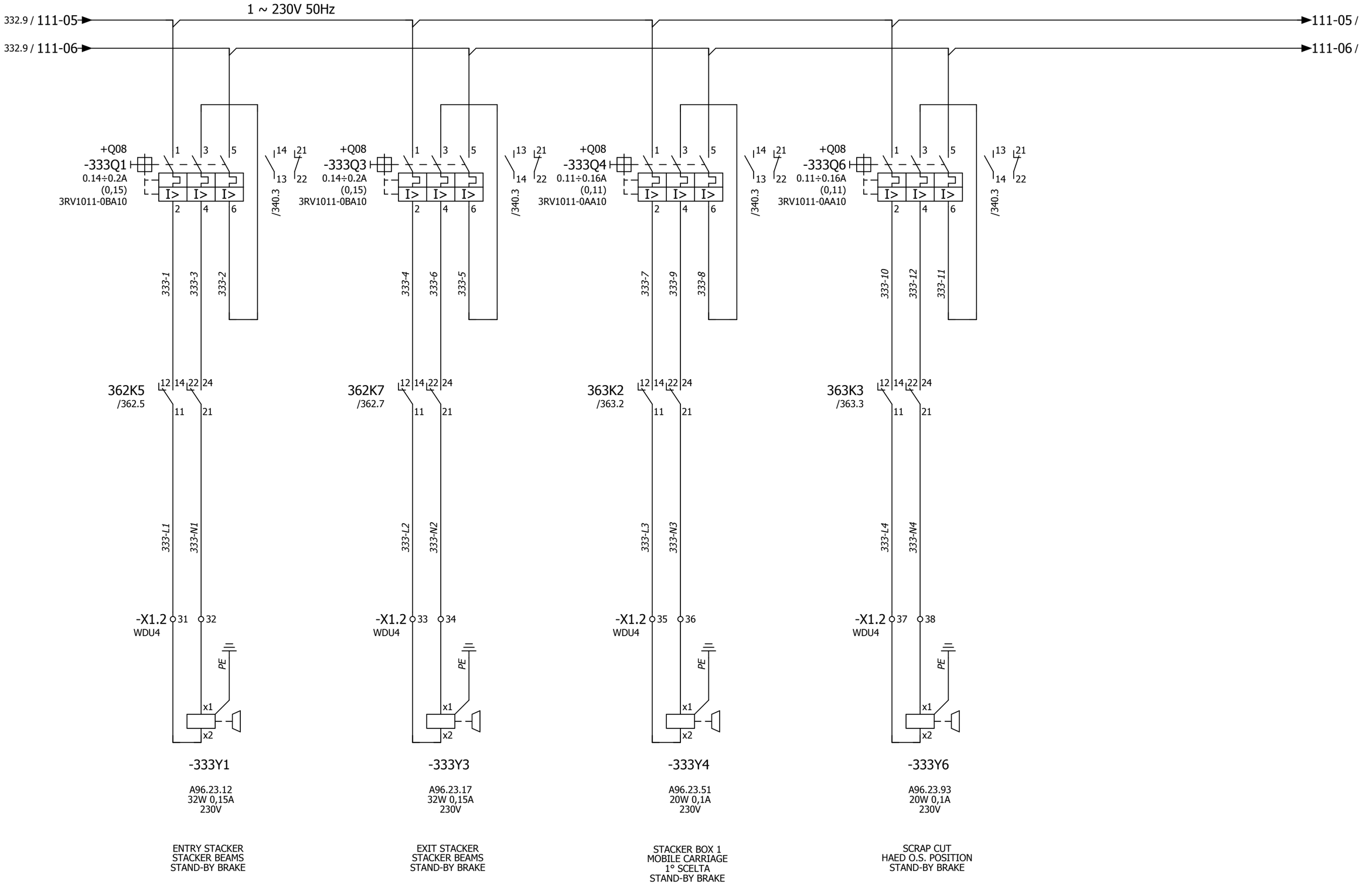
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **332**

Follow 333



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY BRAKES

Descript.

NOVASTILMEC A96

= A96

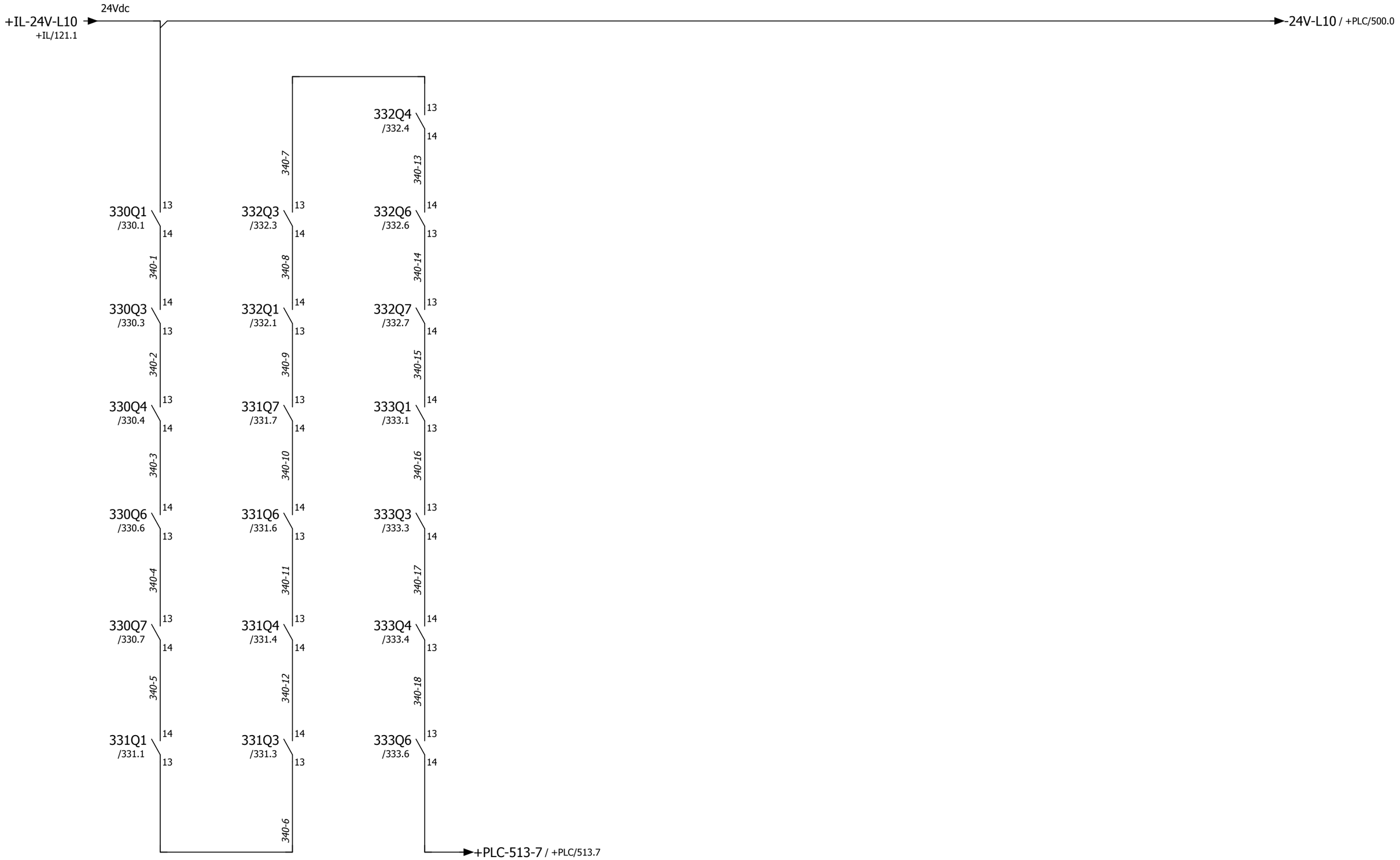
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **333**

Follow 340



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: POWER SUPPLY BRAKES

NOVASTILMEC A96

= A96
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **340**

Follow 360

110V 50Hz

+IL/190.5 / +IL-110-Z11 → 110-Z11 / 361.1

+IL/190.6 / +IL-110-Z12 → 110-Z12 / 361.1

+IL/190.7 / +IL-110-Z13 → 110-Z13 / 361.1

+PLC-431K1	+PLC-431K2	+PLC-431K3	+PLC-431K4	+PLC-431K7	+PLC-431K8	+PLC-432K1	+PLC-432K2
+PLC/431.1	+PLC/431.2	+PLC/431.3	+PLC/431.4	+PLC/431.7	+PLC/431.8	+PLC/432.1	+PLC/432.2
13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14
360-1		360-2		360-3		360-4	
+Q08 -360K2 A1 / A2		+Q08 -360K3 A1 / A2		+Q08 -360K5 A1 / A2		+Q08 -360K7 A1 / A2	
SCH.PT270615 14–12 11 /330.6; 24–22 21 /330.6		SCH.PT270615 14–12 11 /330.7; 24–22 21 /330.8		SCH.PT270615 14–12 11 /331.1; 24–22 21 /331.1		SCH.PT270615 14–12 11 /331.3; 24–22 21 /331.3	

/ +IL-110-N → 110-N / 361.1

1° MARTINETTO
RADDRIZZATRICE
STAND-BY BRAKE
INSERTION

2° MARTINETTO
RADDRIZZATRICE
ROLL N°1 O.S.
STAND-BY BRAKE

LEVELLER 1
SCREW 1
STAND-BY BRAKE

LEVELLER 1
SCREW 2
STAND-BY BRAKE

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

AUXILIARY CIRCUIT BRAKES

Descript.

NOVASTILMEC A96

= A96

+ **AC**

Job Nr.

Dwg.Nr. A96

Page **360**

Follow 361

110V 50Hz

360.9 / 110-Z11 → 110-Z11 / 362.1

360.9 / 110-Z12 → 110-Z12 / 362.1

360.9 / 110-Z13 → 110-Z13 / 362.1

+PLC-432K3	+PLC-432K4	+PLC-432K5	+PLC-432K6	+PLC-436K6	+PLC-436K7	+PLC-437K1	+PLC-437K2
+PLC/432.3	+PLC/432.4	+PLC/432.5	+PLC/432.6	+PLC/436.6	+PLC/436.7	+PLC/437.1	+PLC/437.2
13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14

361-1 | 361-2 | 361-3 | 361-4

+Q08 -361K2	+Q08 -361K3	+Q08 -361K5	+Q08 -361K7
A1 / A2	A1 / A2	A1 / A2	A1 / A2

360.9 / 110-N → 110-N / 362.1

SCH.PT270615	SCH.PT270615	SCH.PT270615	SCH.PT270615
14 – 11 /331.4	14 – 11 /331.6	14 – 11 /332.1	14 – 11 /332.3
12	12	12	12
24 – 21 /331.4	24 – 21 /331.6	24 – 21 /332.1	24 – 21 /332.3
22	22	22	22

LEVELLER 1
SCREW 3
STAND-BY BRAKE

LEVELLER 1
SCREW 4
STAND-BY BRAKE

SCRAP BOX
STAND-BY BRAKE

STACKER
2° SCELTA
BEAMS O.S.
STAND-BY BRAKE

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

AUXILIARY CIRCUIT BRAKES

Descript.

NOVASTILMEC A96

= A96

+ **AC**

Job Nr.

Dwg.Nr. A96

Page **361**

Follow 362

110V 50Hz

361.9 / 110-Z11 → 110-Z11 / 363.1

361.9 / 110-Z12 → 110-Z12 / 363.1

361.9 / 110-Z13 → 110-Z13 / 363.1

+PLC-437K3	+PLC-437K4	+PLC-436K2	+PLC-436K3	+PLC-437K5	+PLC-437K6	+PLC-437K7	+PLC-437K8
+PLC/437.3	+PLC/437.4	+PLC/436.2	+PLC/436.3	+PLC/437.5	+PLC/437.6	+PLC/437.7	+PLC/437.8
13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14

362-1 | 362-2 | 362-3 | 362-4

+Q08 -362K2	+Q08 -362K3	+Q08 -362K5	+Q08 -362K7
A1 / A2	A1 / A2	A1 / A2	A1 / A2

361.9 / 110-N → 110-N / 363.1

SCH.PT270615	SCH.PT270615	SCH.PT270615	SCH.PT270615
14 – 11 /332.4	14 – 11 /332.6	14 – 11 /333.1	14 – 11 /333.3
12	12	12	12
24 – 21 /332.4	24 – 21 /332.6	24 – 21 /333.1	24 – 21 /333.3
22	22	22	22

STACKER
2° SCELTA
BEAMS O.S.
STAND-BY BRAKE

STACKER 2° SCELTA
MOBILE CARRIAGE
HEAD FORWARD
STAND-BY BRAKE

ENTRY STACKER
STACKER BEAMS
STAND-BY BRAKE

EXIT STACKER
STACKER BEAMS
STAND-BY BRAKE

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

AUXILIARY CIRCUIT BRAKES

Descript.

NOVASTILMEC A96

= A96
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **362**

Follow 363

110V 50Hz

362.9 / 110-Z11 → 110-Z11 / +PLC/440.1

362.9 / 110-Z12 → 110-Z12 / +PLC/440.1

362.9 / 110-Z13 → 110-Z13 / +PLC/440.1

+PLC-438K1 (+PLC/438.1) 13 / 14

+PLC-438K2 (+PLC/438.2) 13 / 14

+PLC-438K3 (+PLC/438.3) 13 / 14

+PLC-438K4 (+PLC/438.4) 13 / 14

363-1

+Q08 -363K2 A1 / A2

363-2

+Q08 -363K3 A1 / A2

362.9 / 110-N → 110-N /

SCH.PT270615
14 – 11 /333.4
12
24 – 21 /333.4
22

SCH.PT270615
14 – 11 /333.6
12
24 – 21 /333.6
22

STACKER BOX 1
MOBILE CARRIAGE
1° SCELTA
STAND-BY BRAKE

STACKER BOX 2
MOBILE CARRIAGE
1° SCELTA
STAND-BY BRAKE

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

AUXILIARY CIRCUIT BRAKES

Descript.

NOVASTILMEC A96

Job Nr.

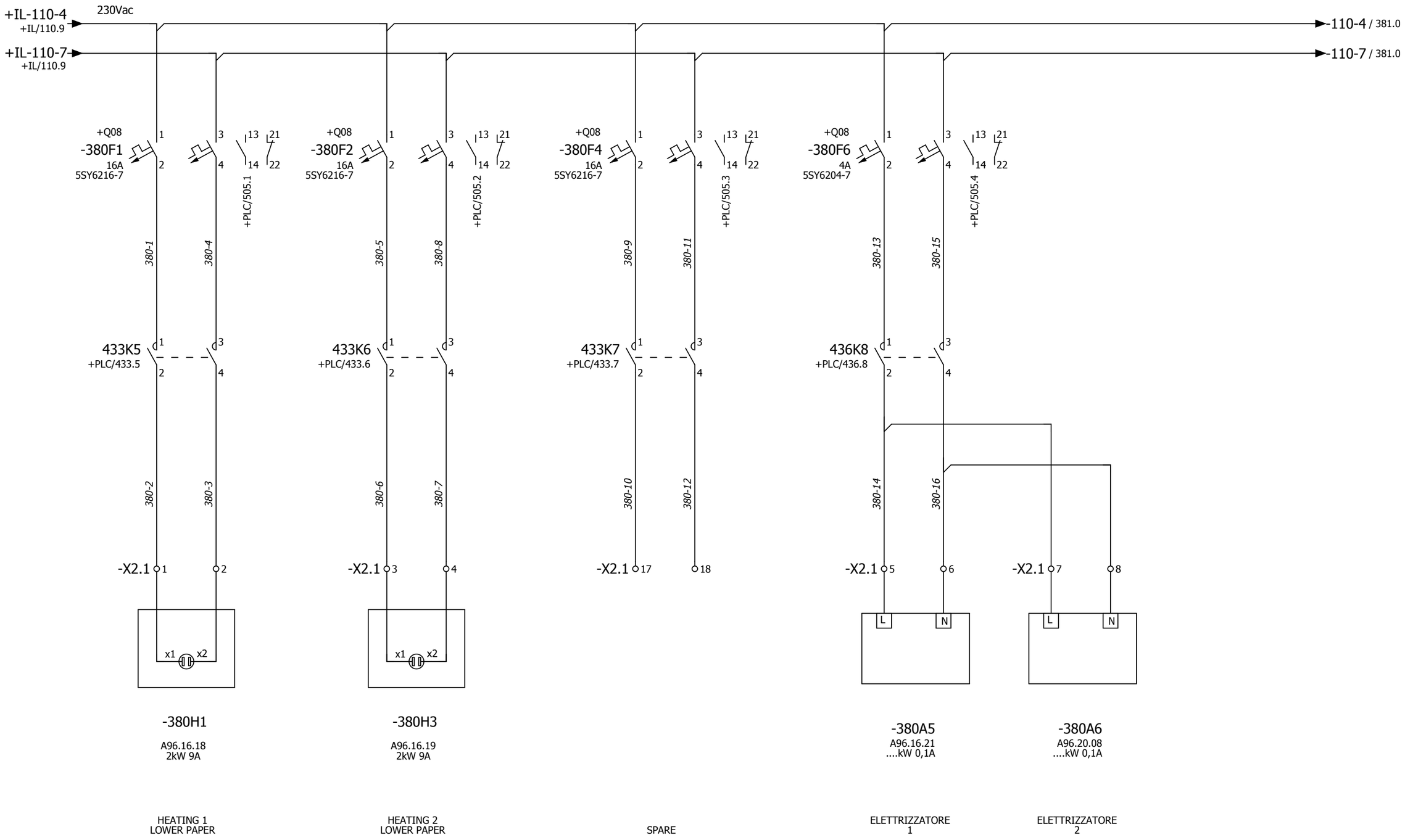
Dwg.Nr. A96

= A96

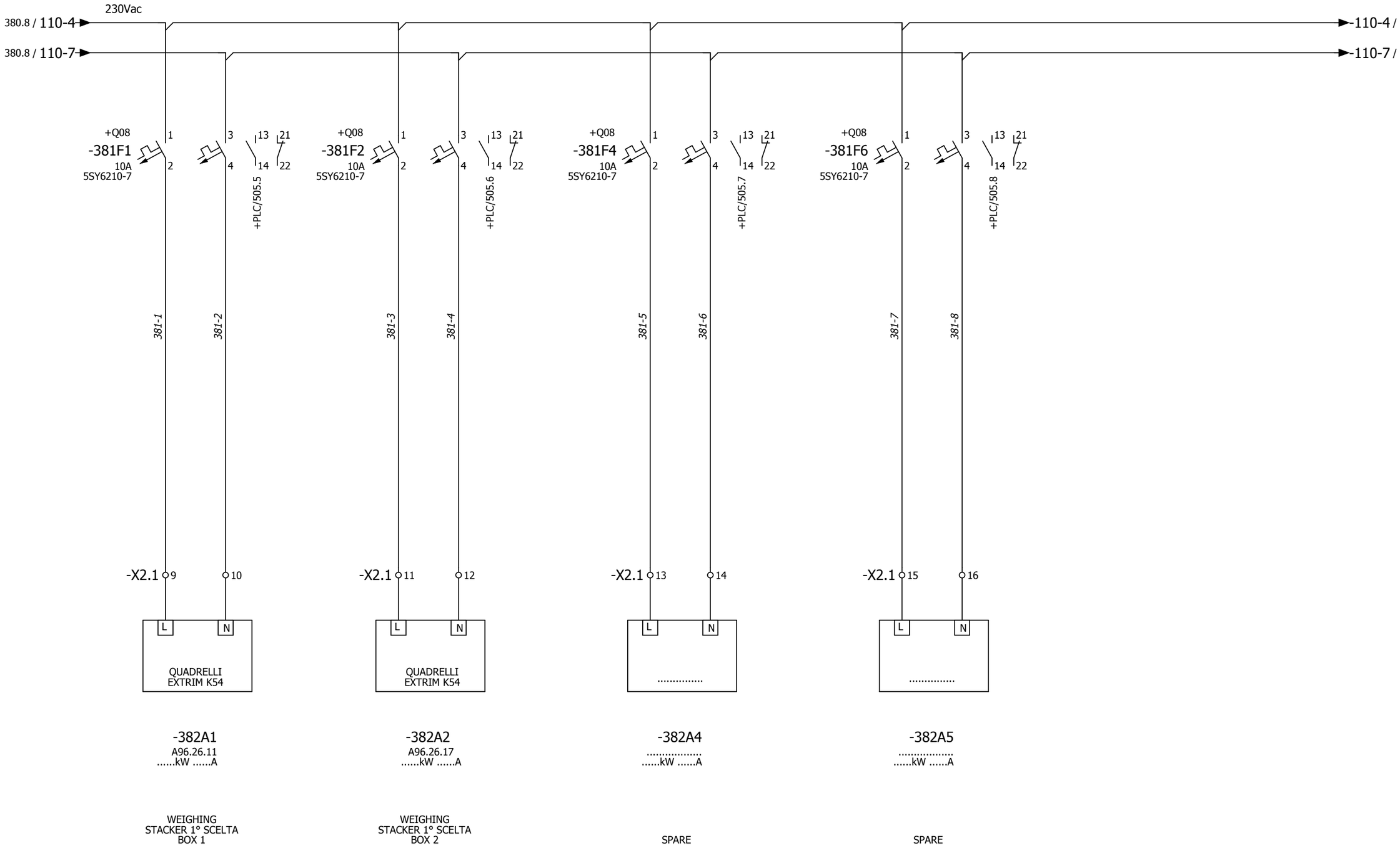
+ **AC**

Page **363**

Follow 380



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	POWER SUPPLY	NOVASTILMEC A96	= A96
				Drawn	TPM					+ AC
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 380
Rev.	Descript.	Date	Name	Original				Descript.		Follow 381



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY

Descript.

NOVASTILMEC A96

= A96

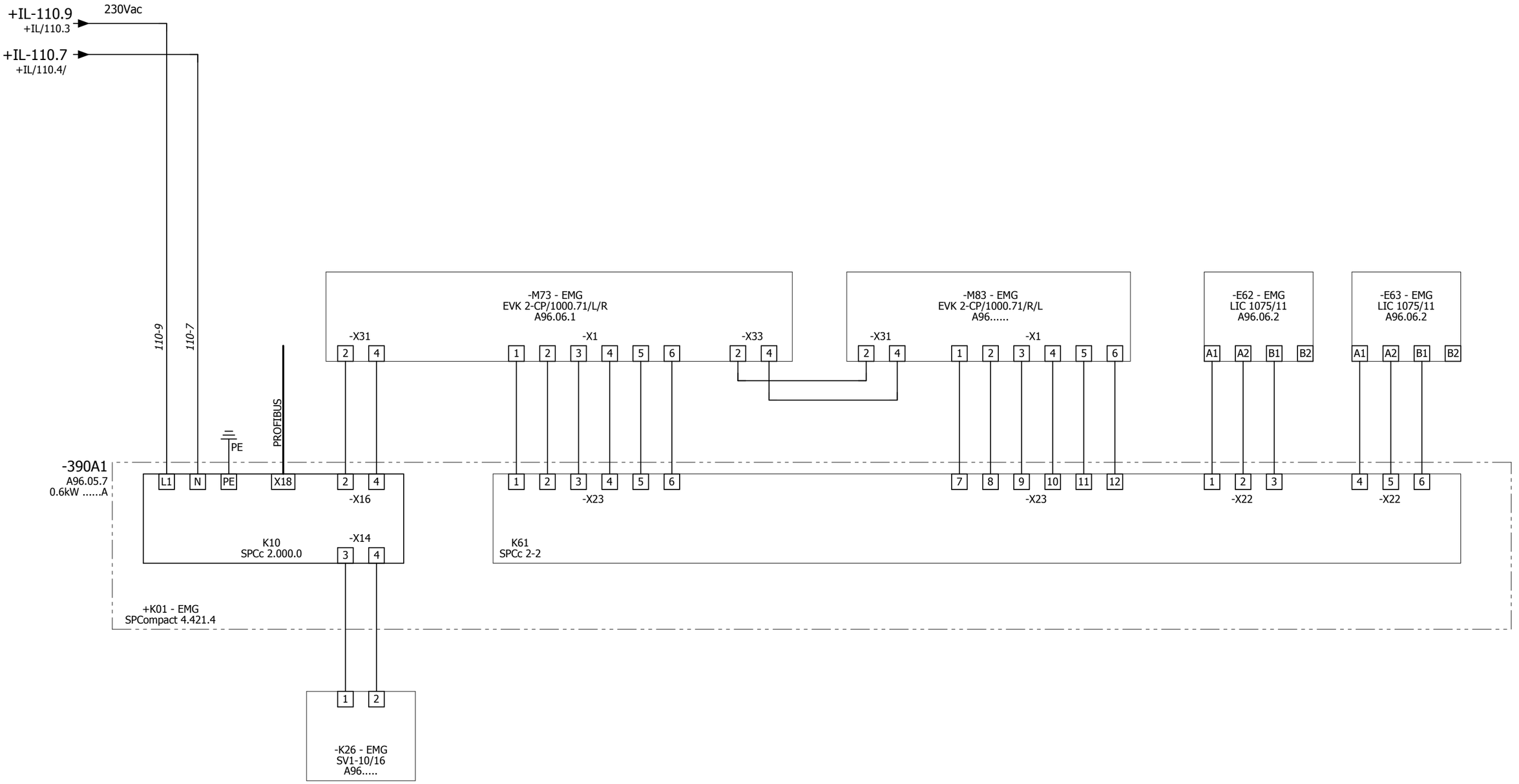
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **381**

Follow 390



FOR PROFIBUS CABLE
SEE NETWORK DIAGRAM

TO SEE MORE DETAILS
EMG N° dwg .....

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: POWER SUPPLY EMG

NOVASTILMEC A96

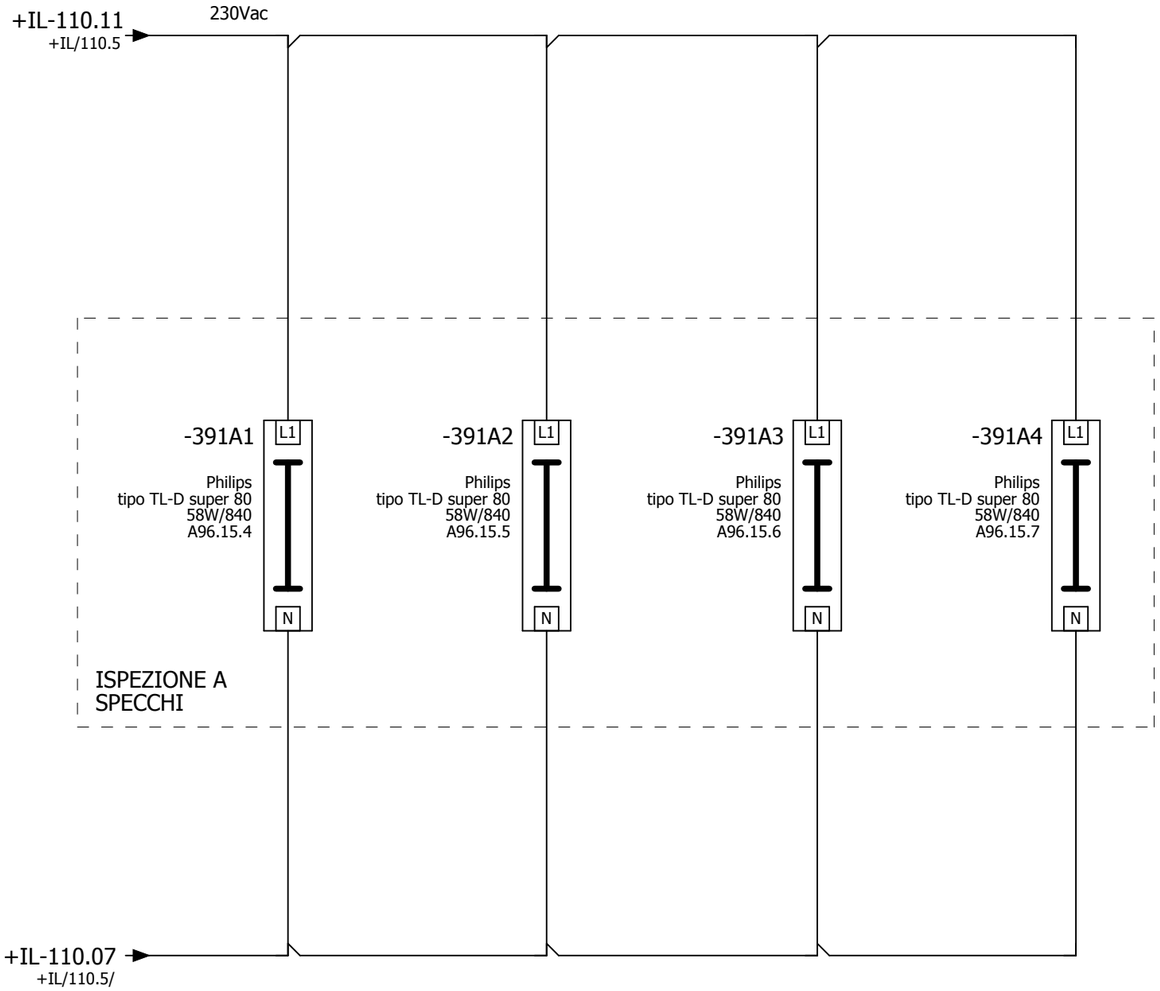
= A96
+ **AC**

Job Nr.

Dwg.Nr. A96

Page **390**

Follow 391



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	POWER SUPPLY LIGHT MACHINE	NOVASTILMEC A96 = A96 + **AC**
				Drawn	TPM				
				Check	ALE				Job Nr. / Dwg.Nr. A96 / Page **391**
Rev.	Descript.	Date	Name	Original				Descript.	Follow +PLC/400

0	1	2	3	4	5	6	7	8	9

=E14
BOARD

CPU
CPU317
SIMATIC NET
CP343-1
SIMATIC NET
IM 360
MPI/DP
PROFIBUS-DP
ETHERNET
DP
ENCODER
ANALOG INPUT
ANALOG OUTPUT
NODE #
ENCODER
ANALOG
INPUT
ANALOG
OUTPUT

DIGITAL INPUT/OUTPUT BOARD
SIMATIC NET
IM 361
DP
IM 361

DIGITAL INPUT/OUTPUT FIELD
SIMATIC NET
IM 361
DP
IM 361

IM 360

ETHERNET

PROFIBUS NTW 0
IN
OUT
REPEATER
PROFIBUS NTW 4
Sh.402.0
PROFIBUS NTW 3
Sh.403.0
PROFIBUS NTW 2
Sh.401.0
PROFIBUS NTW 1
Sh.401.0

=P02
MAIN DESK



SWITCH ETHERNET

ETHERNET

ETHERNET
ETHERNET
ETHERNET
ETHERNET
ETHERNET

=P01
ENTRY DESK



=P03
EXIT DESK



=DIGITEC

=STRAPPING MACHINE

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A.
Coil Processing Equipment

GA-Tech

Descript.: PLC CONFIGURATION
NETWORK SYSTEM

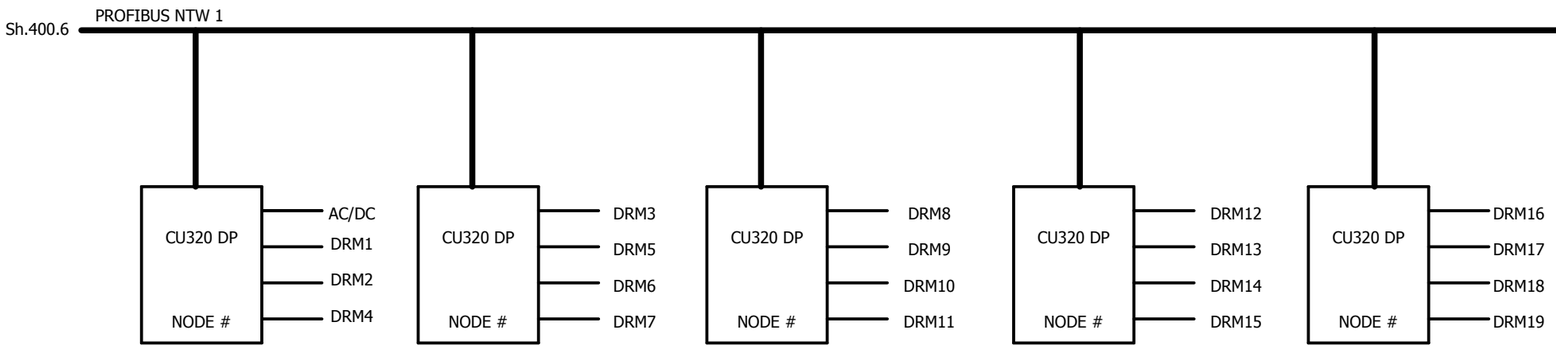
NOVASTILMEC A96

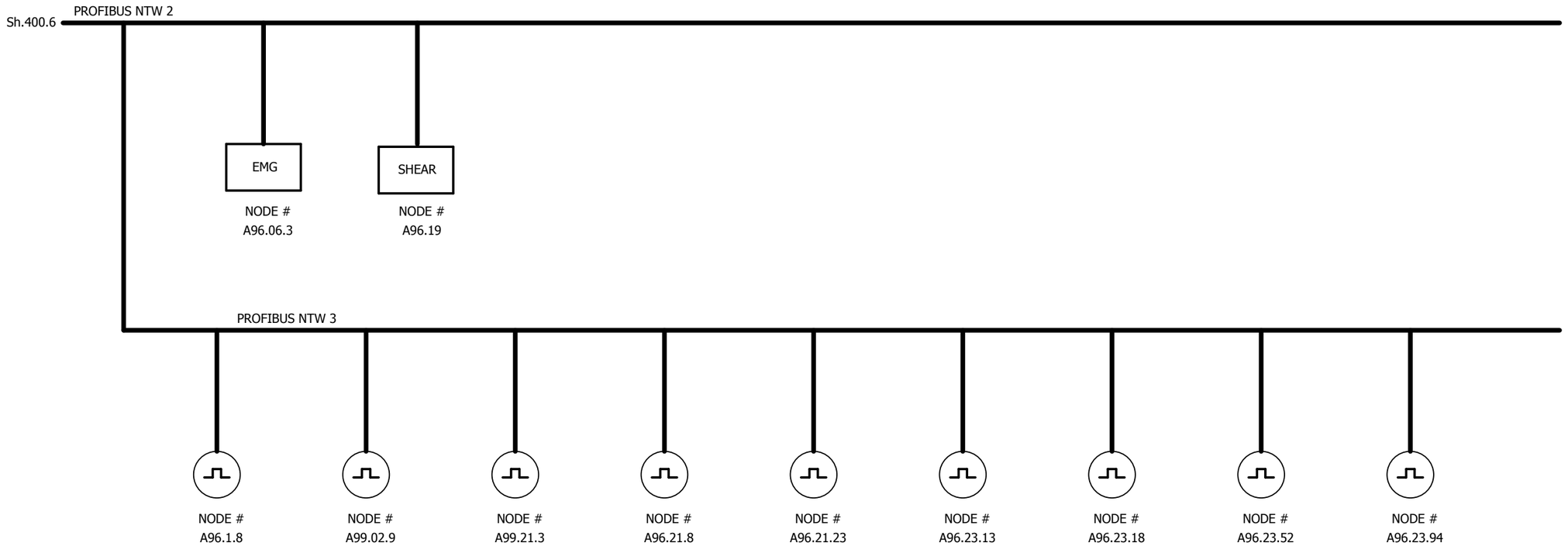
= A96
+ **PLC**

Job Nr.

Dwg.Nr.
A96

Page **400**
Follow 401





00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

PLC CONFIGURATION
NETWORK SYSTEM

Descript.

NOVASTILMEC A96

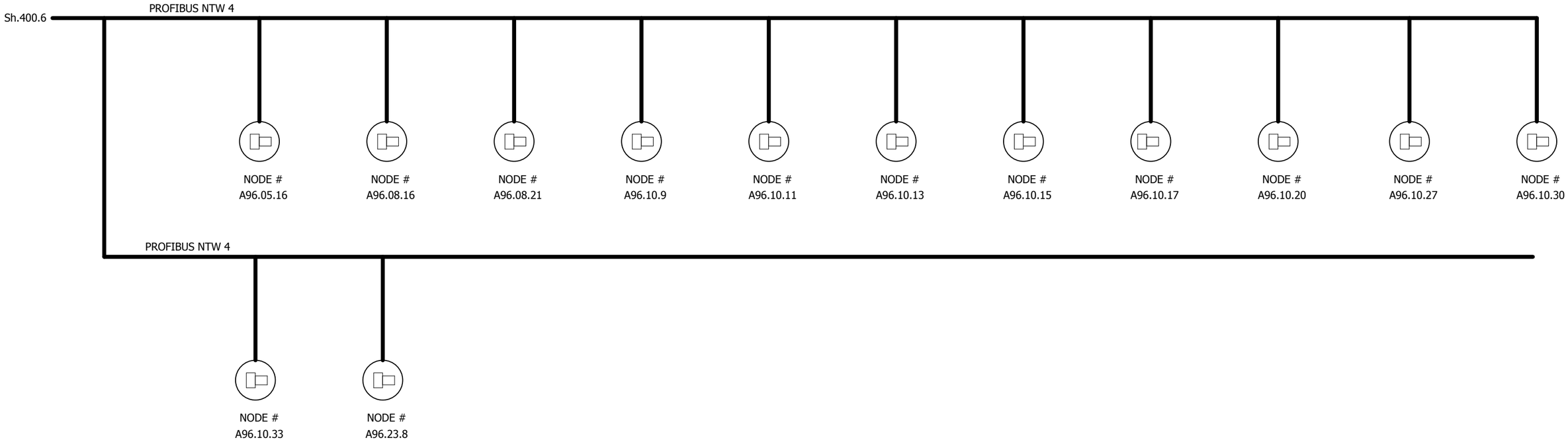
= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **401**

Follow 402



PROFIBUS CONNECTION POTENTIOMETERS

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION NETWORK SYSTEM	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **PLC**
				Check	ALE				Job Nr. / Dwg.Nr. A96	Page **402**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 403

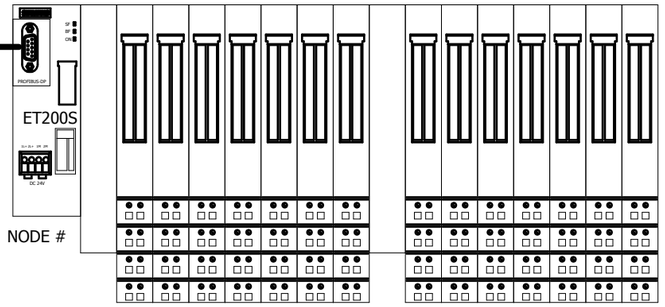
Sh.400.6

PROFIBUS NTW 3

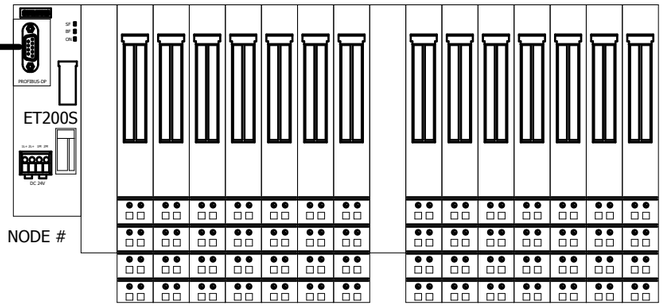
Sh.404.0

PROFIBUS NTW 2

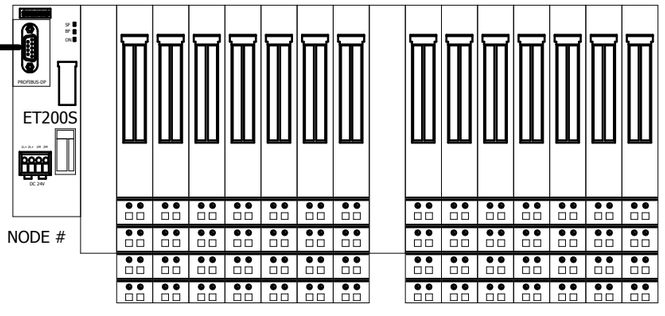
=P01
ENTRY DESK



=P03
EXIT DESK



=P02
MAIN DESK

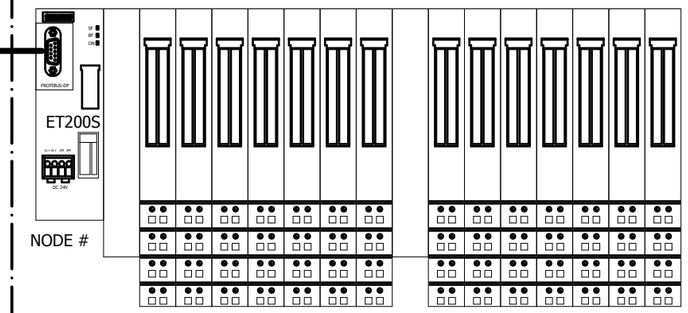


00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION NETWORK SYSTEM	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **PLC**
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page **403**
Rev.	Descript.	Date	Name	Original				Descript.			Follow 404

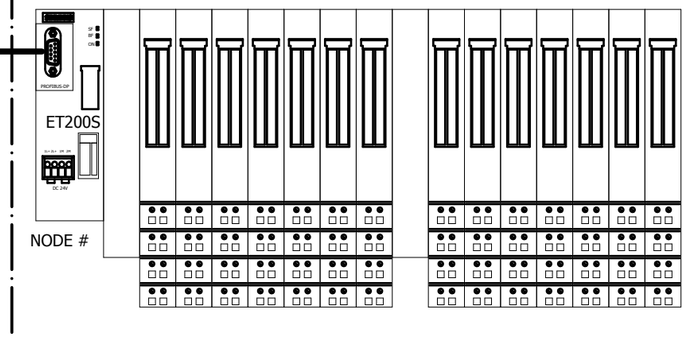
Sh.403.8

PROFIBUS NTW 3

=Q20
LEVELLER

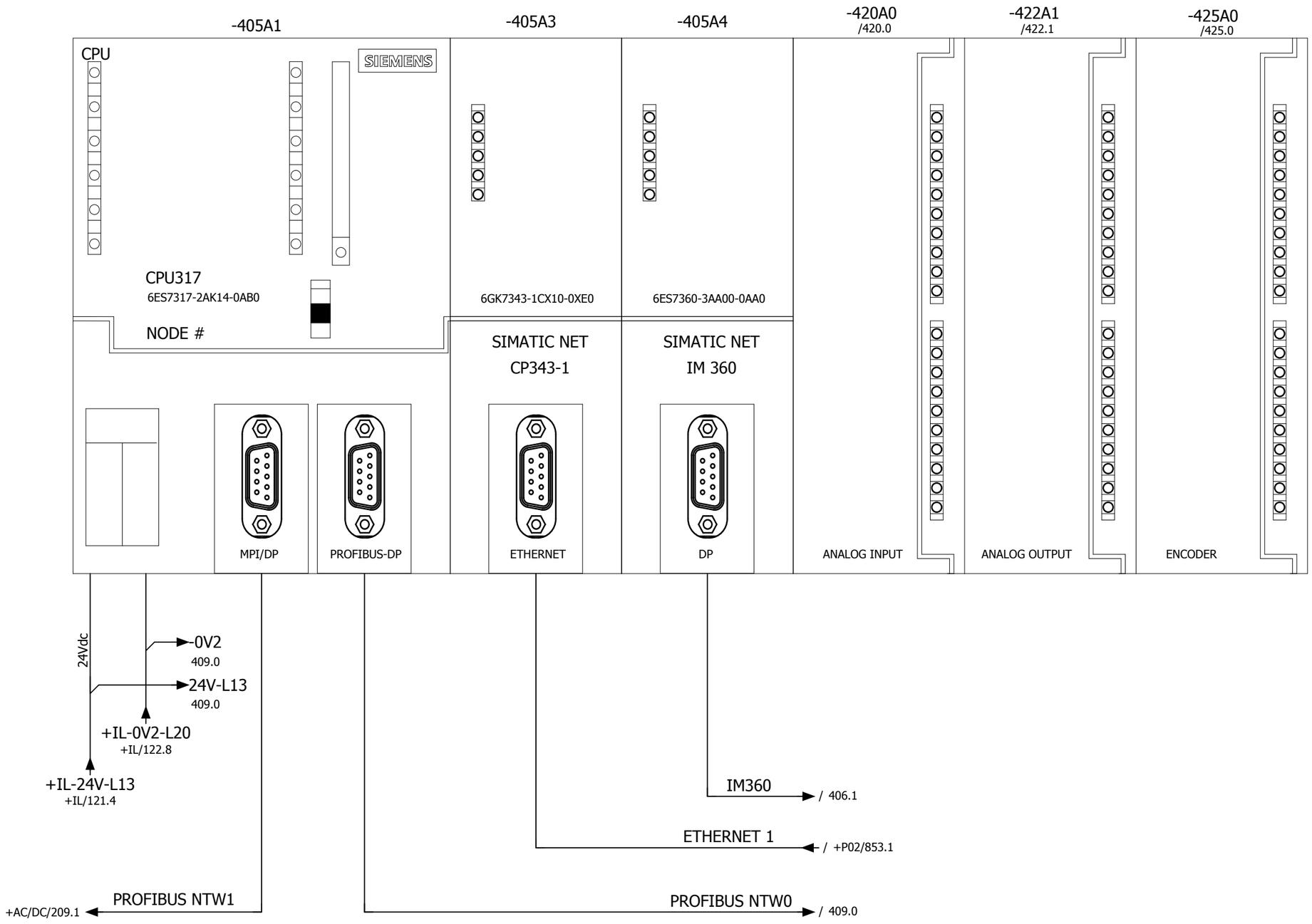


=Q21
STACKER BOARD



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION NETWORK SYSTEM	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **PLC**
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page **404**
Rev.	Descript.	Date	Name	Original				Descript.			Follow 405

0	1	2	3	4	5	6	7	8	9



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

PLC CONFIGURATION
PLC RACK

Descript.

NOVASTILMEC A96

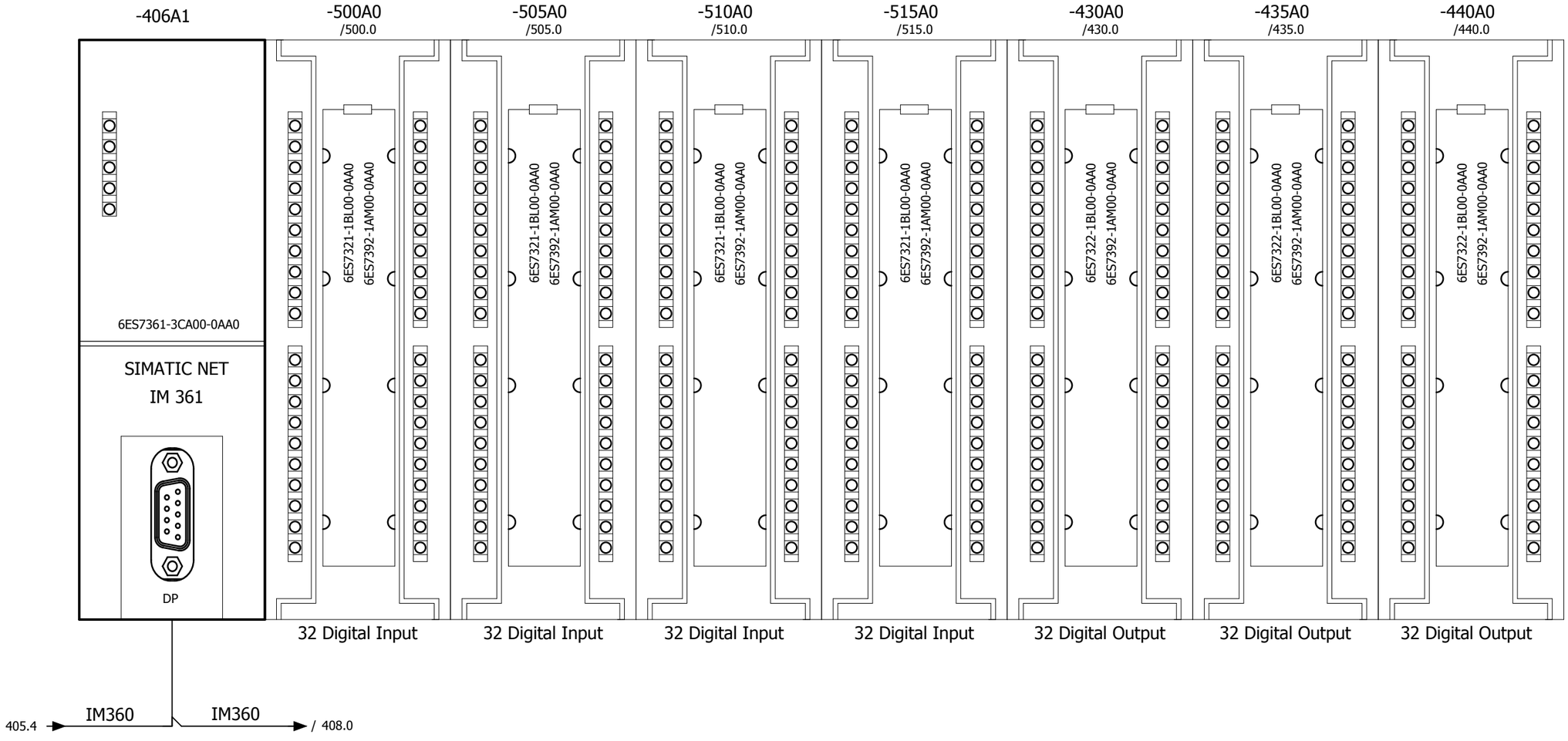
= A96
+ **PLC**

Job Nr.

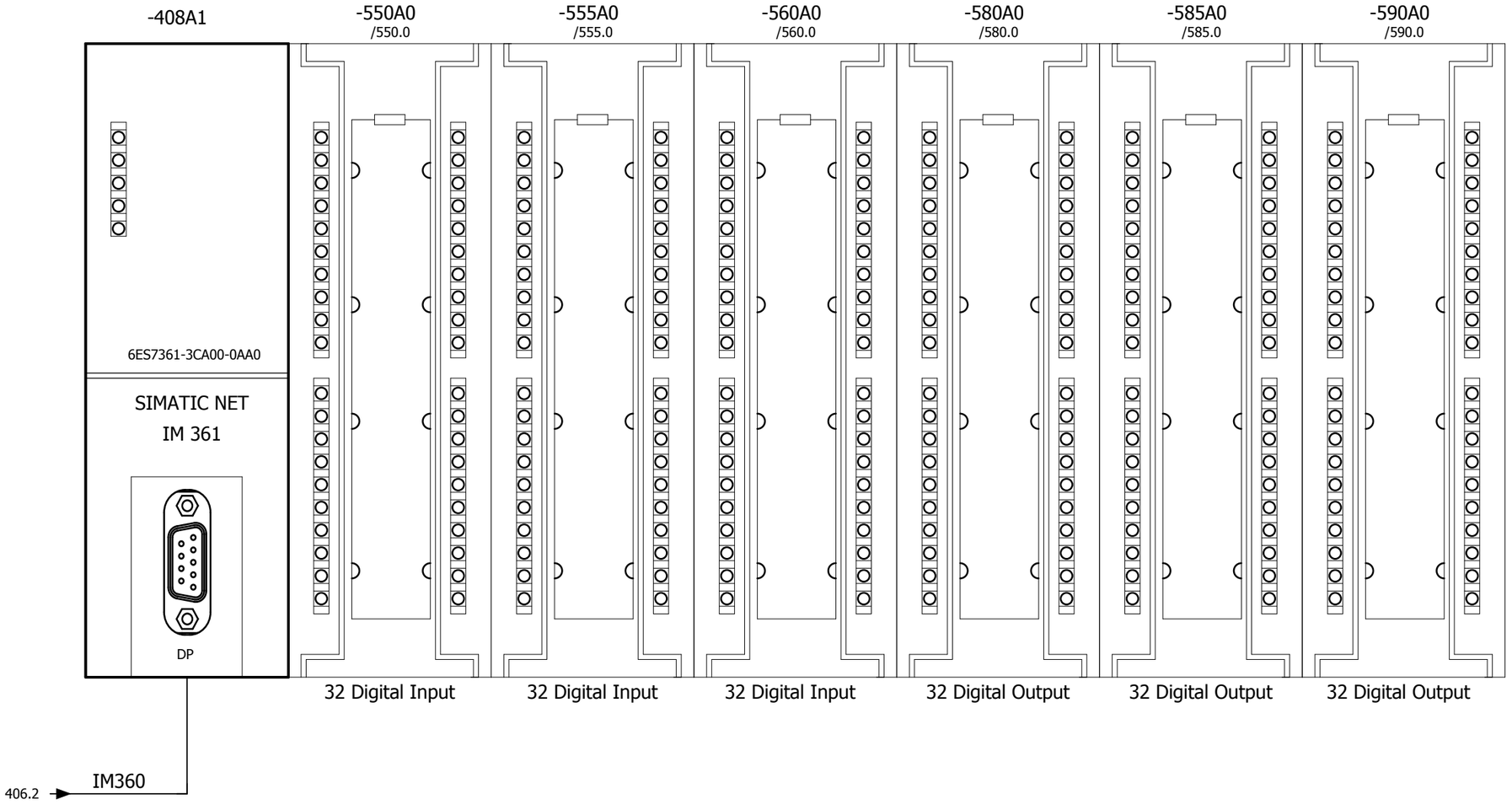
Dwg.Nr. A96

Page **405**

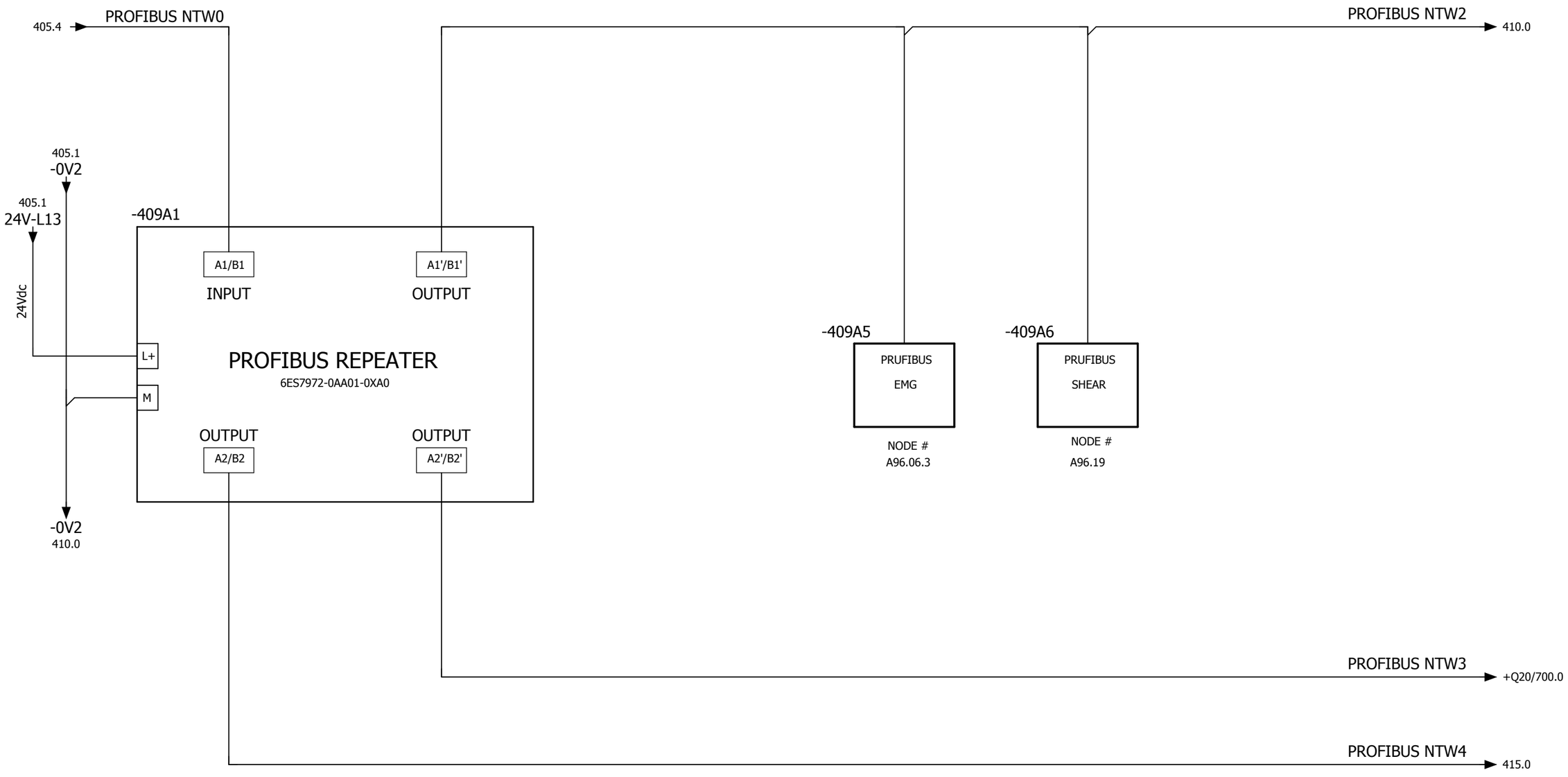
Follow 406



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION INPUT/OUTPUT BOARD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **PLC**
				Check	ALE				Job Nr. / Dwg.Nr. A96	Page **406**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 408



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION INPUT / OUTPUT FIELD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **PLC**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **408**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 409



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

PROFIBUS REPEATER

Descript.

NOVASTILMEC A96

= A96

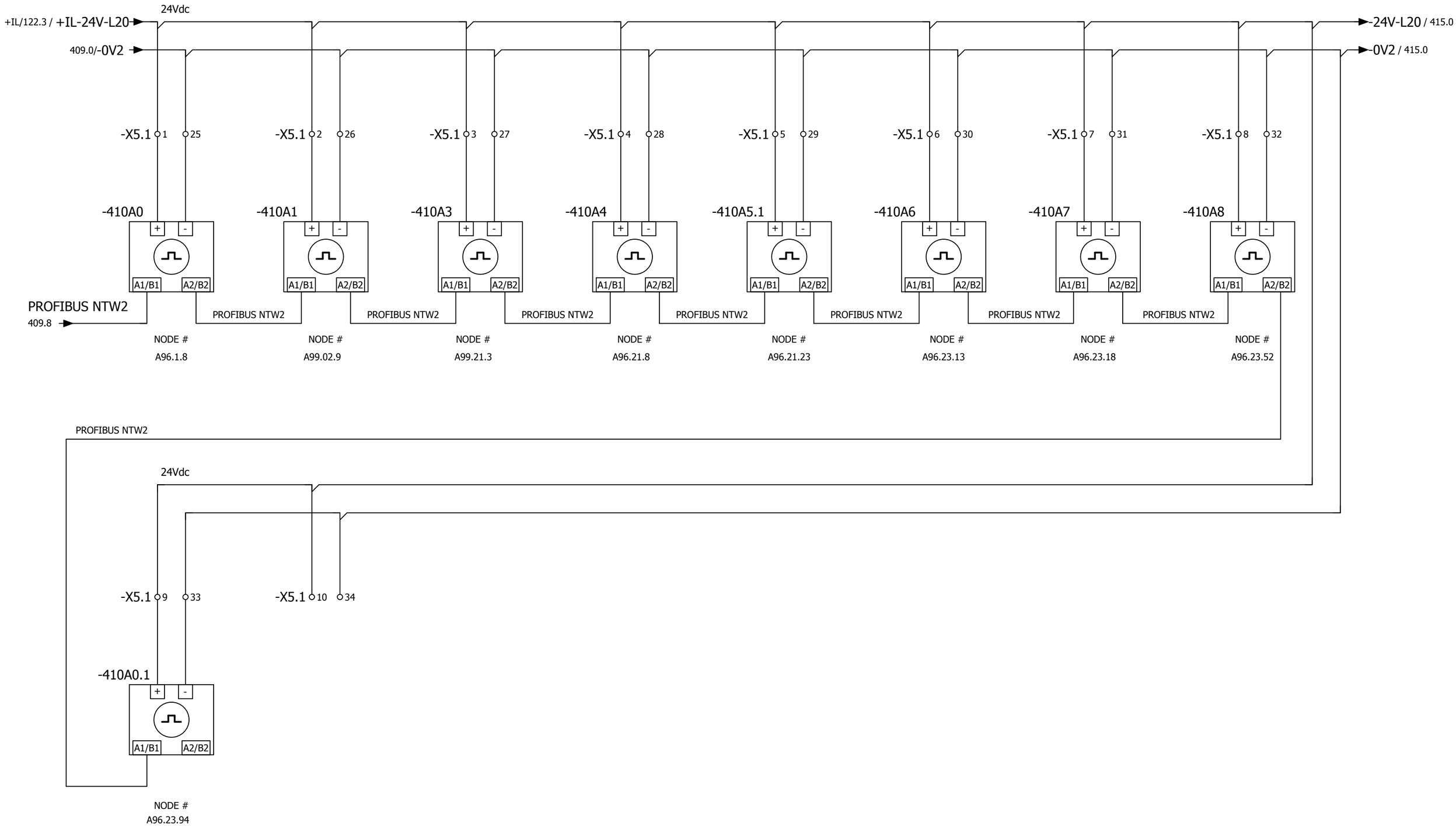
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **409**

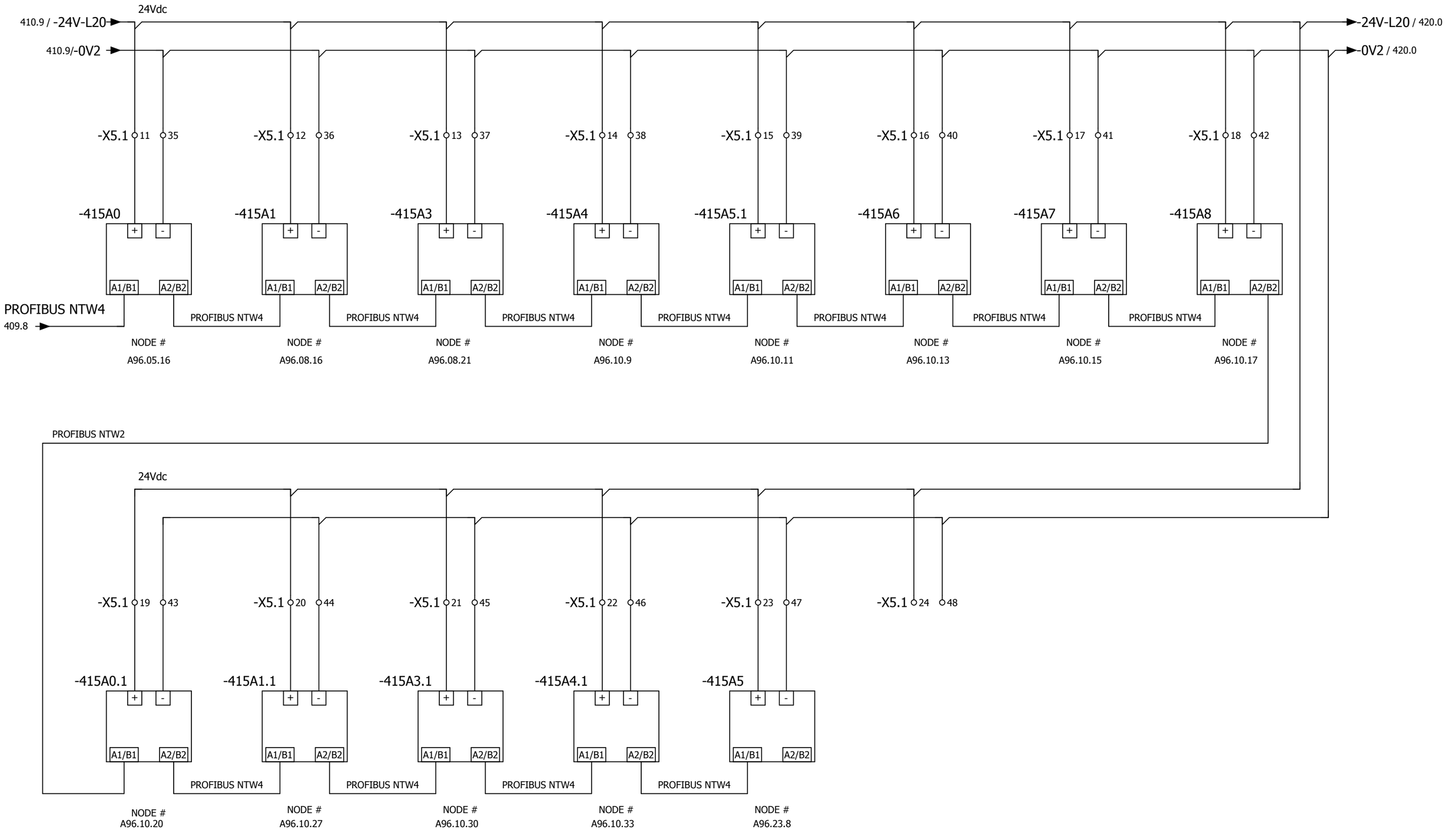
Follow 410



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	POWER SUPPLY PROFIBUS ENCODER	NOVASTILMEC A96	= A96	
				Drawn	TPM			+ **PLC**	
				Check	ALE		Job Nr.	Dwg.Nr. A96	Page **410**
Rev.	Descript.	Date	Name	Original		Descript.			Follow 415

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	POWER SUPPLY PROFIBUS POTENTIOMETER	NOVASTILMEC A96	= A96 + **PLC**
				Drawn	TPM				Job Nr.	Dwg.Nr. A96	Page **415**
				Check	ALE						Follow 420
Rev.	Descript.	Date	Name	Original				Descript.			

VERIFICARE COLLEGAMENTI CON TIPO DI APPARECCHIO MONTATO

A96.19.15
-420A1
24Vdc Out
1 3 4

-420B7
A96.16.20
Type VEMER
VJ44250000
+ -
+ -

-X5.2 1 2 3 | 4 5 6 | 7 8 9 | 10 11 12 | 13 14 15 | 16 17 18 | 19 20 | 21 22

24Vdc
415.9 / 24V-L20 → -24V-L20 / 422.0
415.9 / -0V2 → -0V2 / 422.0

420-1 420-2 420-3 420-4 420-5 420-6 420-7 420-8 420-9 420-10

-420A0

/405.5 1 20	2 3	4 5	6 7	8 9	12 13	14 15	16 17	18 19	10 11
	ROTARY SHEAR BLADE GAP	SPARE	SPARE	SPARE	SPARE	SPARE	HEATING LOWER PAPER TEMPERATURE	SPARE	
	PEW 272	PEW 274	PEW 276	PEW 278	PEW 280	PEW 282	PEW 284	PEW 286	

CODE: 6ES7331-7KF02-0AB0 CONNECTOR: 6ES7392-1AM00-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript. ANALOG INPUT

NOVASTILMEC A96

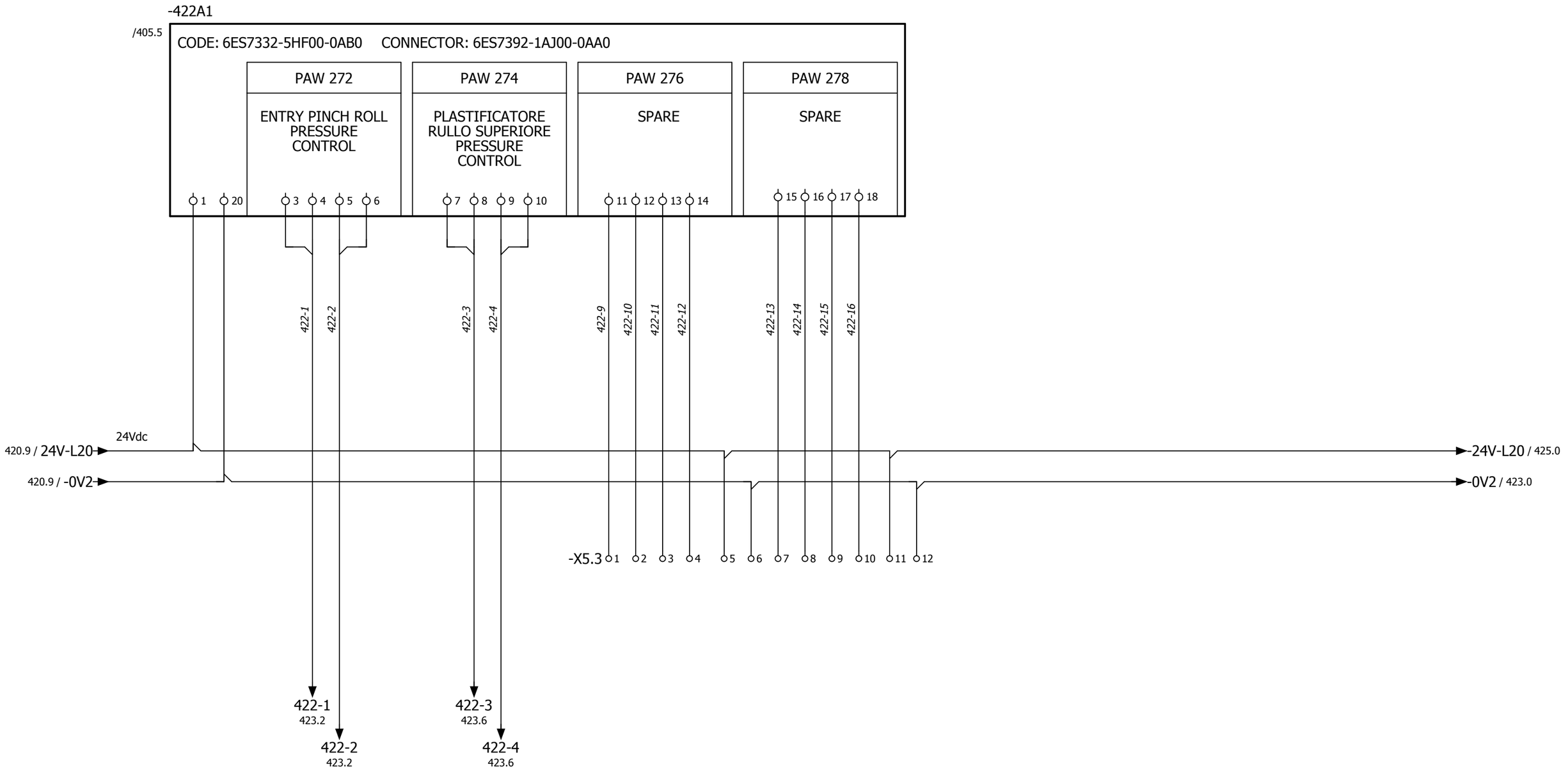
= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **420**

Follow 422



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	ANALOG OUTPUT	NOVASTILMEC A96	= A96
				Drawn	TPM					+ PLC
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 422
Rev.	Descript.	Date	Name	Original				Descript.		Follow 423

24Vdc

423.9 / 24V-L19

422.9 / -0V2

-24V-L19 / 423.0

-0V2 / 425.0

422.2
422-1

422.2
422-2

-423A1

Z | B

02 04 06 08 10 12 14 16 18 20 22 24 26 28 30 32

423-1

423-2

-423Y2
A96.08.4

x1
x2

ENTRY PINCH ROLL
PRESSURE
CONTROL

422.3
422-3

422.3
422-4

-423A4

Z | B

02 04 06 08 10 12 14 16 18 20 22 24 26 28 30 32

423-3

423-4

-423Y6
A96.16.13

x1
x2

PLASTIFICATORE
RULLO SUPERIORE
PRESSURE
CONTROL

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

ANALOG OUTPUT

Descript.

NOVASTILMEC A96

= A96
+ **PLC**

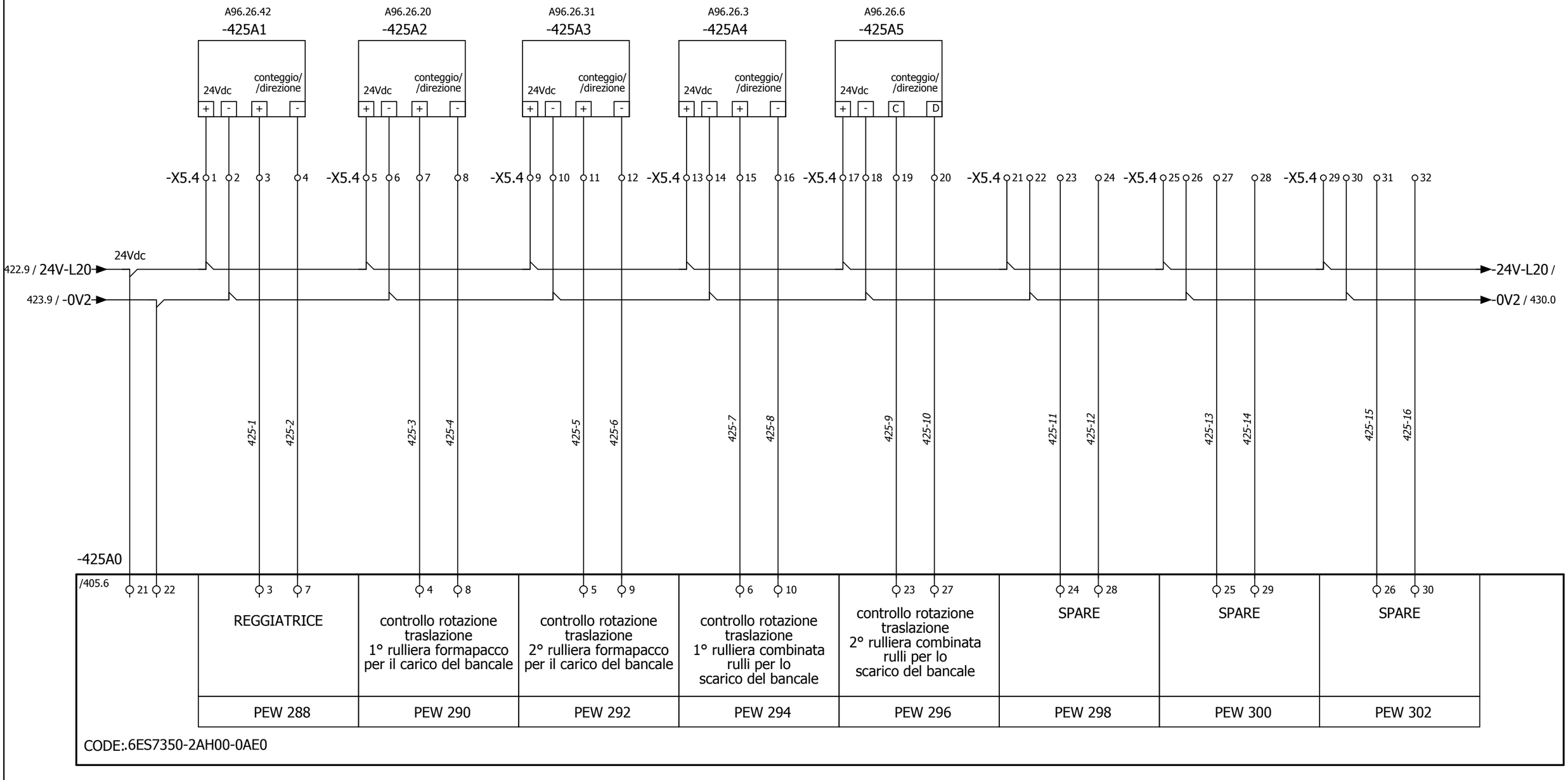
Job Nr.

Dwg.Nr. A96

Page **423**

Follow 425

VERIFICARE COLLEGAMENTI
CON TIPO DI APPARECCHIO
MONTATO



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: ENCODER CARD

NOVASTILMEC A96

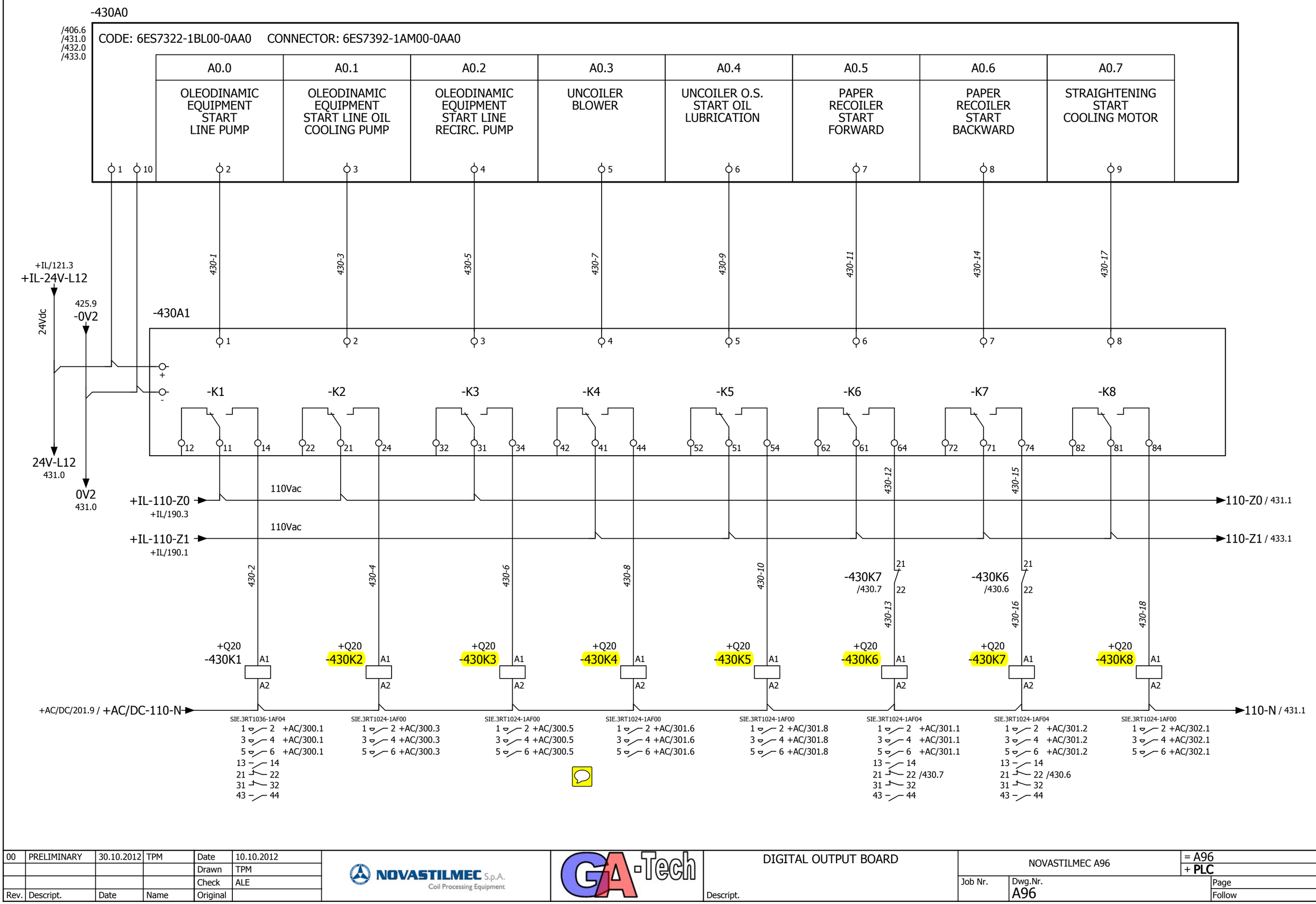
= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **425**

Follow 430



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT BOARD

Descript.

NOVASTILMEC A96

= A96

+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **430**

Follow 431

-430A0

/430.0

A1.0	A1.1	A1.2	A1.3	A1.4	A1.5	A1.6	A1.7
1° MARTINETTO RADDRIZZATRICE ALZA	1° MARTINETTO RADDRIZZATRICE ABBASSA	2° MARTINETTO RADDRIZZATRICE ALZA	2° MARTINETTO RADDRIZZATRICE ABBASSA	PAPER RECOILER CURRENT JUNCTION	LEVELLER 1 COOLING MOTOR	LEVELLER 1 SCREW 1 RAISE	LEVELLER 1 SCREW 1 LOWER

11 20 12 13 14 15 16 17 18 19

431-1 431-4 431-7 431-10 431-13 431-15 431-17 431-20

430.0
24V-L12

24Vdc

430.0
0V2

-431A1

1 2 3 4 5 6 7 8

\+ -

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

12 11 14 22 21 24 32 31 34 42 41 44 52 51 54 62 61 64 72 71 74 82 81 84

24V-L12
432.0

0V2
432.0

110Vac

430.9 / 110-Z0 → 110-Z0 / 432.1

431-2 431-5 431-8 431-11 431-14 431-16 431-18 431-21

21 21 21 21 21 21 21

-431K2 /431.2 | -431K1 /431.1 | -431K4 /431.4 | -431K3 /431.3 | -431K8 /431.8 | -431K7 /431.7

22 22 22 22 22 22

431-3 431-6 431-9 431-12 431-19 431-22

+Q20 -431K1 | +Q20 -431K2 | +Q20 -431K3 | +Q20 -431K4 | +Q20 -431K5 | +Q18 -431K6 | +Q18 -431K7 | +Q18 -431K8

A1 A2

430.9 / 110-N → 110-N / 432.1

SIE.3RT1024-1AF04
1 2 +AC/302.3
3 4 +AC/302.3
5 6 +AC/302.3
13 14 +AC/360.2
21 22 /431.2
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/302.4
3 4 +AC/302.4
5 6 +AC/302.4
13 14 +AC/360.2
21 22 /431.1
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/302.5
3 4 +AC/302.5
5 6 +AC/302.5
13 14 +AC/360.3
21 22 /431.4
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/302.6
3 4 +AC/302.6
5 6 +AC/302.6
13 14 +AC/360.4
21 22 /431.3
31 32
43 44

SIE.3RT1024-1AF00
1 2 +AC/301.3
3 4 +AC/301.3
5 6 +AC/301.3

SIE.3RT1024-1AF00
1 2 +AC/303.1
3 4 +AC/303.1
5 6 +AC/303.1

SIE.3RT1024-1AF04
1 2 +AC/303.3
3 4 +AC/303.3
5 6 +AC/303.3
13 14 +AC/360.5
21 22 /431.8
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/303.4
3 4 +AC/303.4
5 6 +AC/303.4
13 14 +AC/360.6
21 22 /431.7
31 32
43 44

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT BOARD

Descript.

NOVASTILMEC A96

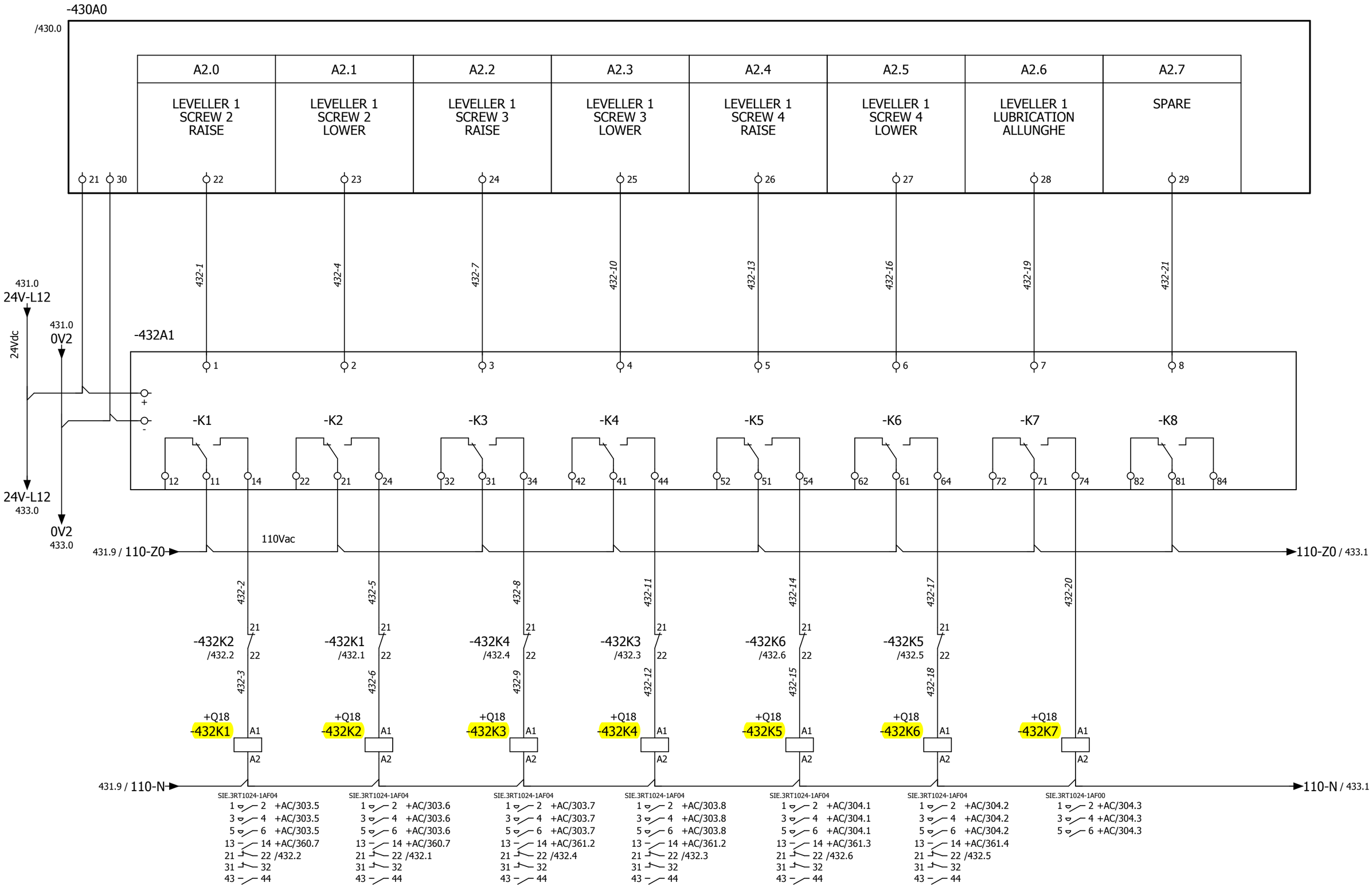
= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **431**

Follow 432



Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

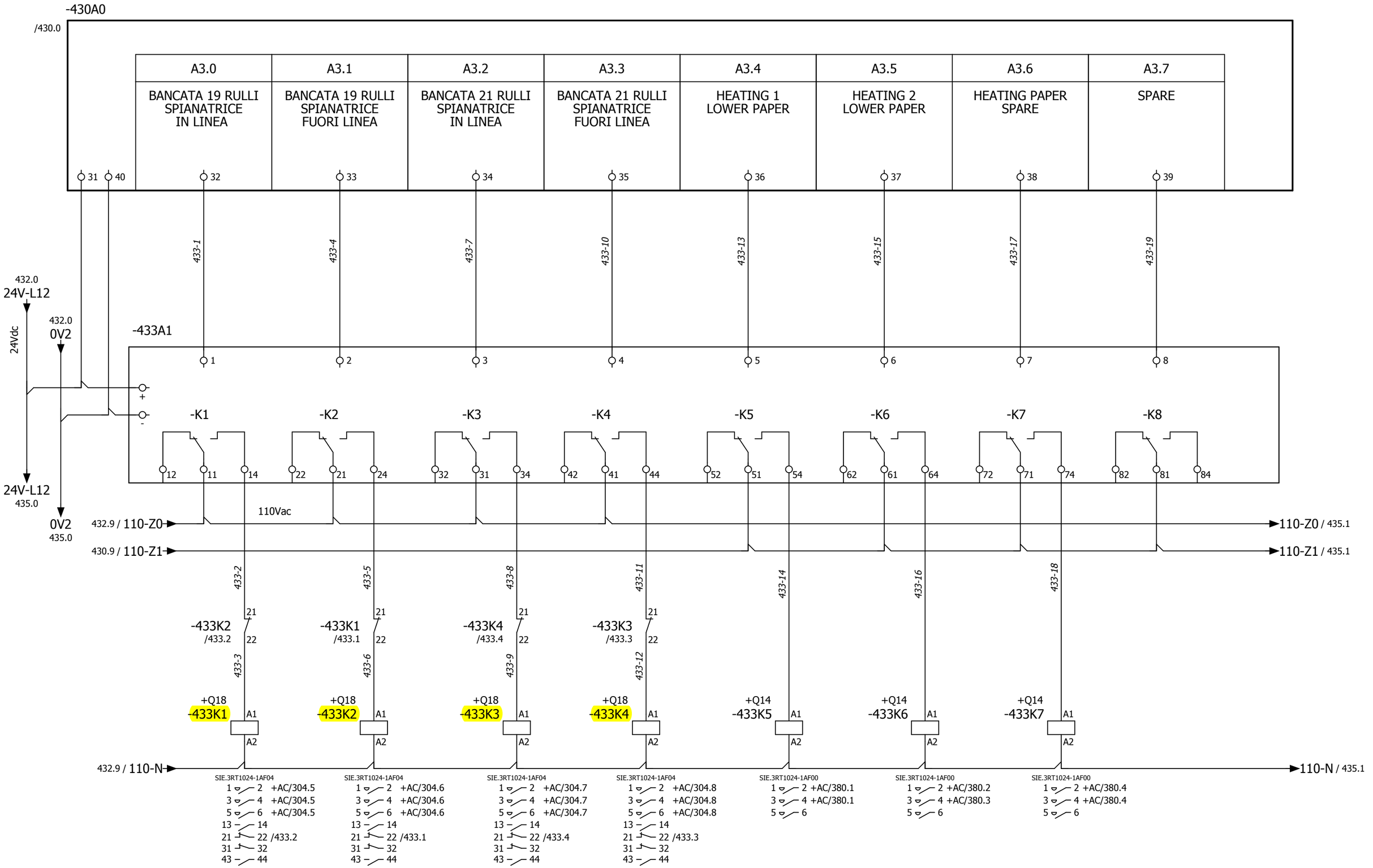
DIGITAL OUTPUT BOARD

Descript.

NOVASTILMEC A96

= A96
+ PLC

Job Nr.	Dwg.Nr.	Page	Follow
	A96	432	433



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUT BOARD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **PLC**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **433** / Follow 435
Rev.	Descript.	Date	Name	Original				Descript.		

-435A0

/406.7
/436.0
/437.0
/438.0

CODE: 6ES7322-1BL00-0AA0 CONNECTOR: 6ES7392-1AM00-0AA0

A4.0	A4.1	A4.2	A4.3	A4.4	A4.5	A4.6	A4.7
CARRELLO BANCATA 19/21 RULLI SPIANATRICE IN LINEA	CARRELLO BANCATA 19/21 RULLI SPIANATRICE FUORI LINEA	OVERPASSING TABLE RAISE	OVERPASSING TABLE LOWER	PLASTIFICATORE BLOWER	ROTARY SHEAR LUBRICATION	LEVELLER CLEANING ROLL OPERATOR SIDE	LEVELLER CLEANING ROLL MOTOR SIDE

1 10 2 3 4 5 6 7 8 9

435-1 435-4 435-7 435-10 435-13 435-15 435-17 435-20

440.0
+IL-24V-L12

433.0
-0V2

24Vdc

24V-L12
433.0

0V2
436.0

-435A1

1 2 3 4 5 6 7 8

\+ -

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

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

110Vac

433.9 / -110-Z1 → 110-Z1 /

433.9 / -110-Z0 → 110-Z0 /

435-2 435-5 435-8 435-11 435-14 435-16 435-18 435-21

-435K2 /435.2 | -435K1 /435.1 | -435K4 /435.4 | -435K3 /435.3 | -435K8 /435.8 | -435K7 /435.7

21 22 | 435-3 435-6 435-9 435-12 435-19 435-22

+Q17 -435K1 A1 A2 | +Q17 -435K2 A1 A2 | +Q17 -435K3 A1 A2 | +Q17 -435K4 A1 A2 | +Q17 -435K5 A1 A2 | +Q17 -435K6 A1 A2 | +Q17 -435K7 A1 A2 | +Q17 -435K8 A1 A2

433.9 / -110-N → 110-N / 436.1

SIE.3RT1024-1AF04
1 2 +AC/305.1
3 4 +AC/305.1
5 6 +AC/305.1
13 14
21 22 /435.2
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/305.2
3 4 +AC/305.2
5 6 +AC/305.2
13 14
21 22 /435.1
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/305.5
3 4 +AC/305.6
5 6 +AC/305.6
13 14
21 22 /435.4
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/305.6
3 4 +AC/305.7
5 6 +AC/305.7
13 14
21 22 /435.3
31 32
43 44

SIE.3RT1024-1AF00
1 2 +AC/305.7
3 4 +AC/305.8
5 6 +AC/305.8

SIE.3RT1024-1AF00
1 2 +AC/306.1
3 4 +AC/306.1
5 6 +AC/306.1

SIE.3RT1024-1AF04
1 2 +AC/305.3
3 4 +AC/305.4
5 6 +AC/305.4
13 14
21 22 /435.8
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/305.4
3 4 +AC/305.4
5 6 +AC/305.5
13 14
21 22 /435.7
31 32
43 44

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT BOARD

Descript.

NOVASTILMEC A96

= A96
+ PLC

Job Nr.

Dwg.Nr. A96

Page 435

Follow 436

-435A0
/435.0

A5.0	A5.1	A5.2	A5.3	A5.4	A5.5	A5.6	A5.7
ROTARY SHEAR LUBRICATION M.S.	STACKER 2° SCELTA MOBILE CARRIAGE HEAD FORWARD	STACKER 2° SCELTA MOBILE CARRIAGE HEAD BACKWARD	PINCH ROLL DI SCHIZZO RAISE	PINCH ROLL DI SCHIZZO LOWER	TAPPETO 1 EVACUAZIONE FOGLI FORWARD	TAPPETO 1 EVACUAZIONE FOGLI BACKWARD	BARRA ELETTROSTATICA

11 20 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19

436-1 | 436-3 | 436-6 | 436-9 | 436-12 | 436-15 | 436-18 | 436-21

436.0
24V-L12
24Vdc
435.0
0V2
-436A1

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8

+
-

-K1 | -K2 | -K3 | -K4 | -K5 | -K6 | -K7 | -K8

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24V-L12
436.0
0V2
437.0

110Vac

+IL/190.2 / +IL-110-Z2 → 110-Z2 / 442.1
+IL/190.3 / +IL-110-Z3 → 110-Z3 / 437.1

436-2 | 436-4 | 436-7 | 436-10 | 436-13 | 436-16 | 436-19 | 436-22

-436K3 /436.3 — 21 22 — 436-5
-436K2 /436.2 — 21 22 — 436-8
-436K5 /436.5 — 21 22 — 436-11
-436K4 /436.4 — 21 22 — 436-14
-436K7 /436.7 — 21 22 — 436-17
-436K6 /436.6 — 21 22 — 436-20

	+Q17 -436K1	+Q17 -436K2	+Q17 -436K3	+Q19 -436K4	+Q19 -436K5	+Q16 -436K6	+Q16 -436K7	+Q14 -436K8
	A1	A1	A1	A1	A1	A1	A1	A1
	A2	A2	A2	A2	A2	A2	A2	A2

435.9 / 110-N → 110-N / 437.1

SIE.3RT1024-1AF00	SIE.3RT1024-1AF04	SIE.3RT1024-1AF04	SIE.3RT1024-1AF04	SIE.3RT1024-1AF04	SIE.3RT1024-1AF04	SIE.3RT1024-1AF04	SIE.3RT1024-1AF00
1 2 +AC/306.3	1 2 +AC/307.7	1 2 +AC/307.8	1 2 +AC/308.1	1 2 +AC/308.2	1 2 +AC/307.1	1 2 +AC/307.2	1 2 +AC/380.6
3 4 +AC/306.3	3 4 +AC/307.7	3 4 +AC/307.8	3 4 +AC/308.1	3 4 +AC/308.2	3 4 +AC/307.1	3 4 +AC/307.2	3 4 +AC/380.6
5 6 +AC/306.3	5 6 +AC/307.7	5 6 +AC/307.8	5 6 +AC/308.1	5 6 +AC/308.2	5 6 +AC/307.1	5 6 +AC/307.2	5 6
	13 14 +AC/362.3	13 14 +AC/362.4	13 14	13 14	13 14 +AC/361.5	13 14 +AC/361.6	
	21 22 /436.3	21 22 /436.2	21 22 /436.5	21 22 /436.4	21 22 /436.7	21 22 /436.6	
	31 32	31 32	31 32	31 32	31 32	31 32	
	43 44	43 44	43 44	43 44	43 44	43 44	

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUT BOARD
				Drawn	TPM			
				Check	ALE			
Rev.	Descript.	Date	Name	Original				Descript.

NOVASTILMEC A96 | = A96 | + PLC

Job Nr. | Dwg.Nr. A96 | Page 436 | Follow 437

-435A0

/435.0

A6.0	A6.1	A6.2	A6.3	A6.4	A6.5	A6.6	A6.7
STACKER 2° SCELTA BEAMS O.S. FORWARD	STACKER 2° SCELTA BEAMS O.S. BACKWARD	STACKER 2° SCELTA BEAMS M.S. FORWARD	STACKER 2° SCELTA BEAMS M.S. BACKWARD	ENTRY STACKER STACKER BEAMS OPEN	ENTRY STACKER STACKER BEAMS CLOSE	EXIT STACKER STACKER BEAMS OPEN	EXIT STACKER STACKER BEAMS CLOSE

21 30 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29

437-1 | 437-4 | 437-7 | 437-10 | 437-13 | 437-16 | 437-19 | 437-22

437.0
24V-L12

436.0
0V2

24Vdc

-437A1

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8

\+ | -

-K1 | -K2 | -K3 | -K4 | -K5 | -K6 | -K7 | -K8

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24V-L12
437.0

0V2
438.0

110Vac

436.9 / 110-Z3 → 110-Z3 / 438.1

437-2 | 437-5 | 437-8 | 437-11 | 437-14 | 437-17 | 437-20 | 437-23

-437K2	-437K1	-437K4	-437K3	-437K6	-437K5	-437K8	-437K7
/437.2	/437.1	/437.4	/437.3	/437.6	/437.5	/437.8	/437.7
437-3	437-6	437-9	437-12	437-15	437-18	437-21	437-24
+Q15 -437K1	+Q15 -437K2	+Q16 -437K3	+Q16 -437K4	+Q16 -437K5	+Q16 -437K6	+Q16 -437K7	+Q16 -437K8

21 22 A1 A2

436.9 / 110-N → 110-N / 438.1

SIE.3RT1024-1AF04

-437K2	-437K1	-437K4	-437K3	-437K6	-437K5	-437K8	-437K7
1 2 +AC/307.3	1 2 +AC/307.4	1 2 +AC/307.5	1 2 +AC/307.6	1 2 +AC/308.3	1 2 +AC/308.4	1 2 +AC/308.5	1 2 +AC/308.6
3 4 +AC/307.3	3 4 +AC/307.4	3 4 +AC/307.5	3 4 +AC/307.6	3 4 +AC/308.3	3 4 +AC/308.4	3 4 +AC/308.5	3 4 +AC/308.6
5 6 +AC/307.3	5 6 +AC/307.4	5 6 +AC/307.5	5 6 +AC/307.6	5 6 +AC/308.4	5 6 +AC/308.4	5 6 +AC/308.6	5 6 +AC/308.6
13 14 +AC/361.7	13 14 +AC/361.7	13 14 +AC/362.2	13 14 +AC/362.2	13 14 +AC/362.5	13 14 +AC/362.6	13 14 +AC/362.7	13 14 +AC/362.7
21 22 /437.2	21 22 /437.1	21 22 /437.4	21 22 /437.3	21 22 /437.6	21 22 /437.5	21 22 /437.8	21 22 /437.7
31 32	31 32	31 32	31 32	31 32	31 32	31 32	31 32
43 44	43 44	43 44	43 44	43 44	43 44	43 44	43 44

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT BOARD

Descript.

NOVASTILMEC A96

= A96
+ PLC

Job Nr.

Dwg.Nr. A96

Page 437
Follow 438

-435A0
/435.0

A7.0	A7.1	A7.2	A7.3	A7.4	A7.5	A7.6	A7.7
STACKER BOX 1 MOBILE CARRIAGE 1° SCELTA FORWARD	STACKER BOX 1 MOBILE CARRIAGE 1° SCELTA BACKWARD	STACKER BOX 2 MOBILE CARRIAGE 1° SCELTA FORWARD	STACKER BOX 2 MOBILE CARRIAGE 1° SCELTA BACKWARD	ENTRY COIL CAR IN LINE - OUT LINE	ENTRY COIL CAR ROLLS	1° RULLIERA COMBINATA RULLI	1° RULLIERA COMBINATA CATENE

31 40 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39

438-1 438-4 438-7 438-10 438-13 438-14 438-15 438-16

438.0
24V-L12
24Vdc
437.0
0V2
-438A1

1 2 3 4 5 6 7 8

+ -

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

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24V-L12
438.0
0V2
440.0

110Vac

437.9 / 110-Z3 → 110-Z3 /
+IL/190.8 / +IL-110-Z10 → 110-Z10 /

438-2 438-5 438-8 438-11 438-17 438-18 438-19 438-20

-438K2 /438.2 | -438K1 /438.1 | -438K4 /438.4 | -438K3 /438.3

21 22 | 438-3 438-6 438-9 438-12

+Q16 -438K1 A1 A2 | +Q16 -438K2 A1 A2 | +Q16 -438K3 A1 A2 | +Q16 -438K4 A1 A2 | +Q16 -438K5 A1 A2 | +Q16 -438K6 A1 A2 | +Q16 -438K7 A1 A2 | +Q16 -438K8 A1 A2

437.9 / 110-N → 110-N / 440.1

SIE.3RT1024-1AF04
1 2 +AC/308.7
3 4 +AC/308.7
5 6 +AC/308.8
13 14 +AC/363.2
21 22 /438.2
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/308.8
3 4 +AC/308.8
5 6 +AC/308.8
13 14 +AC/363.2
21 22 /438.1
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/309.1
3 4 +AC/309.1
5 6 +AC/309.1
13 14 +AC/363.3
21 22 /438.4
31 32
43 44

SIE.3RT1024-1AF04
1 2 +AC/309.2
3 4 +AC/309.2
5 6 +AC/309.2
13 14 +AC/363.4
21 22 /438.3
31 32
43 44

SIE.3RT1024-1AF00
1 2 +DRM05/230.1
3 4 +DRM05/230.1
5 6 +DRM05/230.1

SIE.3RT1024-1AF00
1 2 +DRM05/230.2
3 4 +DRM05/230.2
5 6 +DRM05/230.3

SIE.3RT1024-1AF00
1 2 +DRM13/253.1
3 4 +DRM13/253.1
5 6 +DRM13/253.1

SIE.3RT1024-1AF00
1 2 +DRM13/253.3
3 4 +DRM13/253.3
5 6 +DRM13/253.3

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

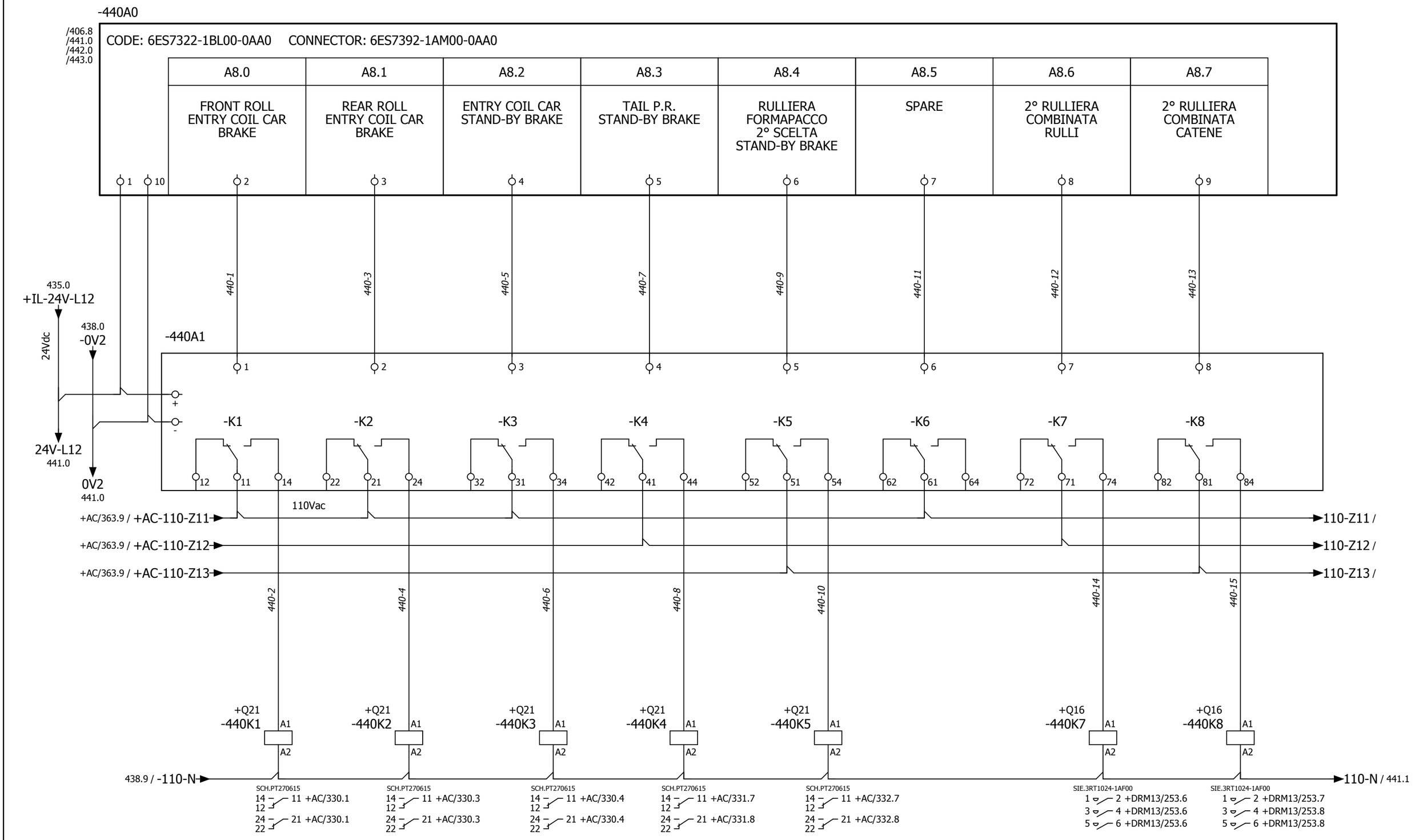
GA-Tech

DIGITAL OUTPUT BOARD
Descript.

NOVASTILMEC A96

= A96
+ **PLC**

Job Nr.
Dwg.Nr. A96
Page **438**
Follow 440



Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT BOARD

Descript.

NOVASTILMEC A96

= A96

+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **440**

Follow 441

-440A0

/440.0

A9.0	A9.1	A9.2	A9.3	A9.4	A9.5	A9.6	A9.7
STRAPPING MACHINE RESET	SPARE	PLC EMERGENCY	RESET EMERGENCY	RESET SAFETY AREA 1	RESET SAFETY AREA 2	RESET SAFETY AREA 3	AC/DC CONVERTER INSERT

11 20 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19

441-1 441-2 441-3 441-5 441-6 441-7 441-8 441-9

440.0
24V-L12
24Vdc
440.0
0V2

-441A1

1 2 3 4 5 6 7 8

+
-

-K1	-K2	-K3	-K4	-K5	-K6	-K7	-K8
12 11 14	22 21 24	32 31 34	42 41 44	52 51 54	62 61 64	72 71 74	82 81 84
+IL/151.9			+IL/150.2	+IL/155.2	+IL/160.2	+IL/165.2	+AC/DC/201.1

24V-L12
442.0
0V2
442.0

110Vac

+IL/130.8 / +IL-110-L1 → 110-L1 /

441-4

+Q14
-441K3
A1
A2

440.9 / 110-N → 110-N / 442.1

SIE.3RH1122-1AF00
13 – 14 +IL/150.3
21 – 22
31 – 32
43 – 44 +IL/150.3

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT BOARD

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ PLC

Page 441
Follow 442

-440A0

/440.0

A10.0	A10.1	A10.2	A10.3	A10.4	A10.5	A10.6	A10.7
Traslazione orizzontale del supporto rotoli superiore	Traslazione orizzontale del supporto rotoli superiore	Traslazione orizzontale del supporto rotoli inferiore	Traslazione orizzontale del supporto rotoli inferiore	SPARE	SPARE	SPARE	SPARE

21 30 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29

442-1 | 442-4 | 442-7 | 442-10 | 442-13 | 442-14 | 442-15 | 442-16

441.0
24V-L12

441.0
0V2

24Vdc

-442A1

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8

+

-

-K1 | -K2 | -K3 | -K4 | -K5 | -K6 | -K7 | -K8

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24V-L12
443.0

0V2
443.0

436.9 / 110-Z2 — 110Vac — 110-Z2 /

442-2 | 442-5 | 442-8 | 442-11

442-3 | 442-6 | 442-9 | 442-12

-442K2	-442K1	-442K4	-442K3
/442.2	/442.1	/442.4	/442.3
21 / 22	21 / 22	21 / 22	21 / 22
+Q17 -442K1 A1 / A2	+Q17 -442K2 A1 / A2	+Q17 -442K3 A1 / A2	+Q17 -442K4 A1 / A2

441.9 / 110-N — 110-N / 443.1

SIE.3RT1024-1AF04

-442K2 /442.2	-442K1 /442.1	-442K4 /442.4	-442K3 /442.3
1 2 +AC/306.5	1 2 +AC/306.6	1 2 +AC/306.7	1 2 +AC/306.8
3 4 +AC/306.5	3 4 +AC/306.6	3 4 +AC/306.7	3 4 +AC/306.8
5 6 +AC/306.5	5 6 +AC/306.6	5 6 +AC/306.8	5 6 +AC/306.9
13 14	13 14	13 14	13 14
21 22 /442.2	21 22 /442.1	21 22 /442.4	21 22 /442.3
31 32	31 32	31 32	31 32
43 44	43 44	43 44	43 44

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT BOARD

Descript.

NOVASTILMEC A96

= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **442**

Follow 443

-440A0

/440.0

A11.0	A11.1	A11.2	A11.3	A11.4	A11.5	A11.6	A11.7
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

31 40 32 33 34 35 36 37 38 39

443-1 443-2 443-3 443-4 443-5 443-6 443-7 443-8

442.0
24V-L12

24Vdc

442.0
0V2

-443A1

1 2 3 4 5 6 7 8

\+
-

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

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

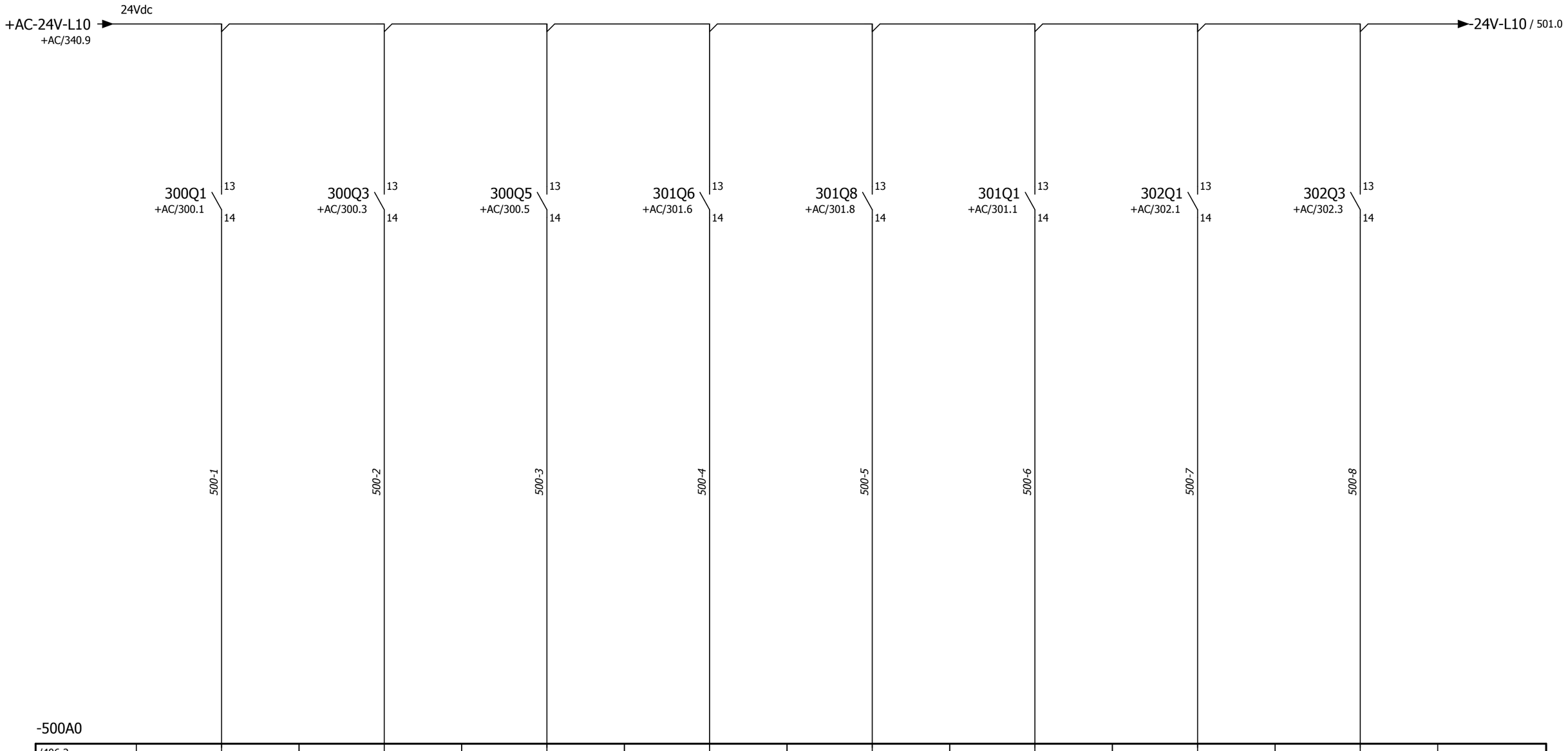
24V-L12
580.0

0V2
501.9

442.9 / 110-N

110-N /

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUT BOARD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **PLC**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **443**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 500



-500A0

/406.2
/501.0
/502.0
/503.0

2	3	4	5	6	7	8	9
OLEODINAMIC EQUIPMENT LINE PUMP	OLEODINAMIC EQUIPMENT LINE OIL COOLING PUMP	OLEODINAMIC EQUIPMENT LINE RECIRC. PUMP	UNCOILER M.S. OIL LUBRICATION	UNCOILER O.S. OIL LUBRICATION	PAPER RECOILER ROTATION	STRAIGHTENING COOLING MOTOR	1° MARTINETTO RADDRIZZATRICE ALZA - ABBASSA
E0.0	E0.1	E0.2	E0.3	E0.4	E0.5	E0.6	E0.7

CODE: 6ES7321-1BL00-0AA0 CONNECTOR: 6ES7392-1AM00-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96

+ **PLC**

Page **500**

Follow 501

500.9 / -24V-L10 → 24Vdc

-24V-L10 / 502.0

302Q5 13/14	303Q1 13/14	303Q3 13/14	303Q5 13/14	303Q7 13/14	304Q1 13/14	304Q3 13/14	304Q7 13/14
+AC/302.5	+AC/303.1	+AC/303.3	+AC/303.5	+AC/303.7	+AC/304.1	+AC/304.3	+AC/304.7
501-1	501-2	501-3	501-4	501-5	501-6	501-7	501-8

-0V2 443.0 → -0V2 / 503.9

-500A0

/500.0

12	13	14	15	16	17	18	19	20
2° MARTINETTO RADDRIZZATRICE ALZA - ABBASSA	LEVELLER 1 COOLING MOTOR	LEVELLER 1 SCREW 1	LEVELLER 1 SCREW 2	LEVELLER 1 SCREW 3	LEVELLER 1 SCREW 4	LEVELLER 1 LUBRICATION ALLUNGHE	BANCATA 19 RULLI SPIANATRICE IN LINEA-FUORI LINEA	
E1.0	E1.1	E1.2	E1.3	E1.4	E1.5	E1.6	E1.7	

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL INPUTS BOARD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ PLC
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 501
Rev.	Descript.	Date	Name	Original				Descript.		Follow 502

501.9 / -24V-L10

24Vdc

-24V-L10 / 503.0

304Q5	305Q1	305Q5	305Q7	306Q1	305Q3	306Q3	307Q7
+AC/304.5	+AC/305.1	+AC/305.5	+AC/305.7	+AC/306.1	+AC/305.3	+AC/306.3	+AC/307.7
13 / 14	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

-500A0

/500.0

22	23	24	25	26	27	28	29
BANCATA 19 RULLI SPIANATRICE IN LINEA-FUORI LINEA	CARRELLO BANCATA 19/21 RULLI SPIANATRICE IN LINEA - FUORI LINEA	OVERPASSING TABLE RAISE-LOWER	PLASTIFICATORE BLOWER	ROTARY SHEAR LUBRICATION	LEVELLER CLEANING ROLL	ROTARY SHEAR LUBRICATION M.S.	STACKER 2° SCELTA MOBILE CARRIAGE HEAD FORWARD-BACKWARD
E2.0	E2.1	E2.2	E2.3	E2.4	E2.5	E2.6	E2.7

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

= A96

+ **PLC**

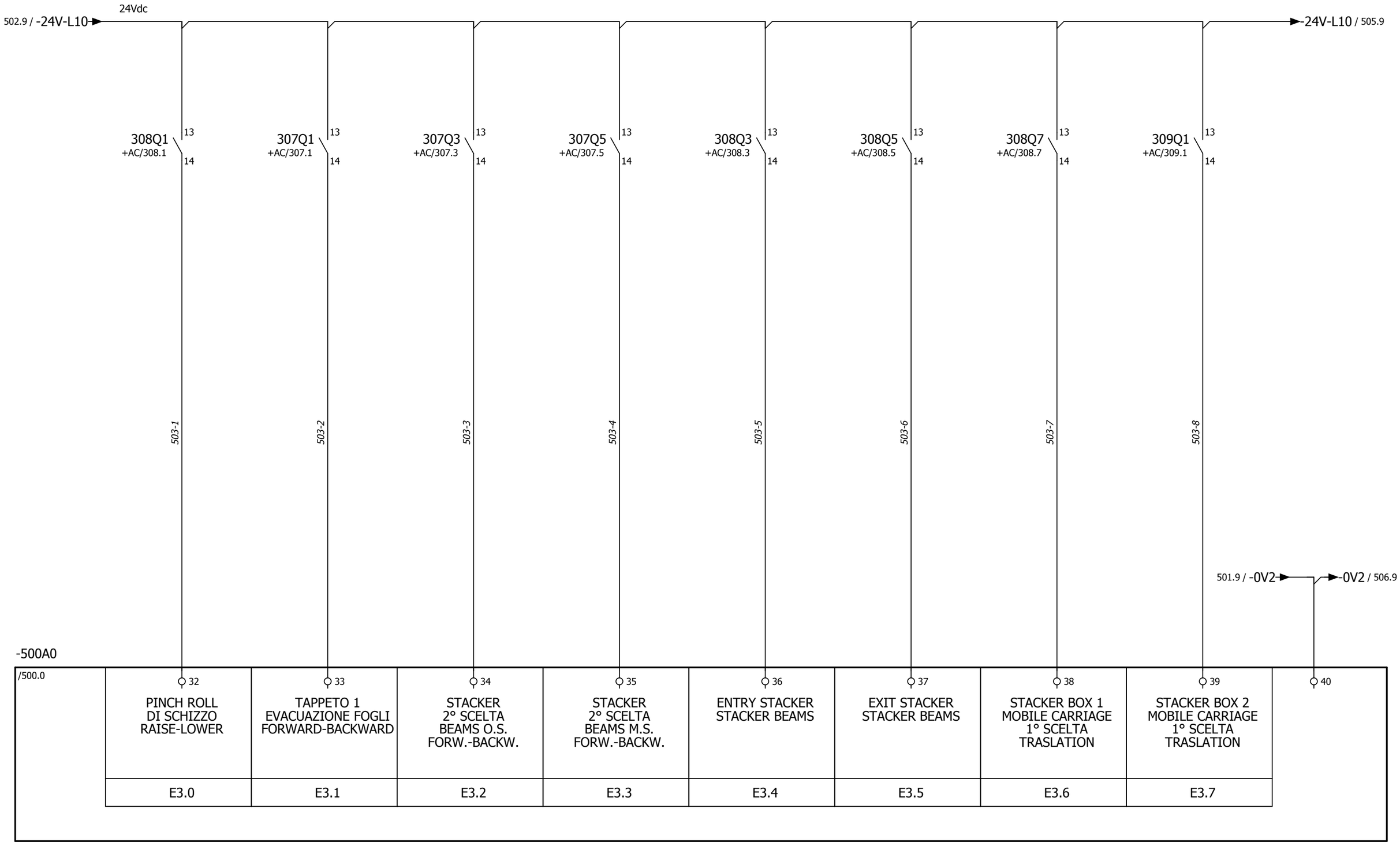
Job Nr.

Dwg.Nr. A96

Page **502**

Follow 503

0	1	2	3	4	5	6	7	8	9



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

= A96

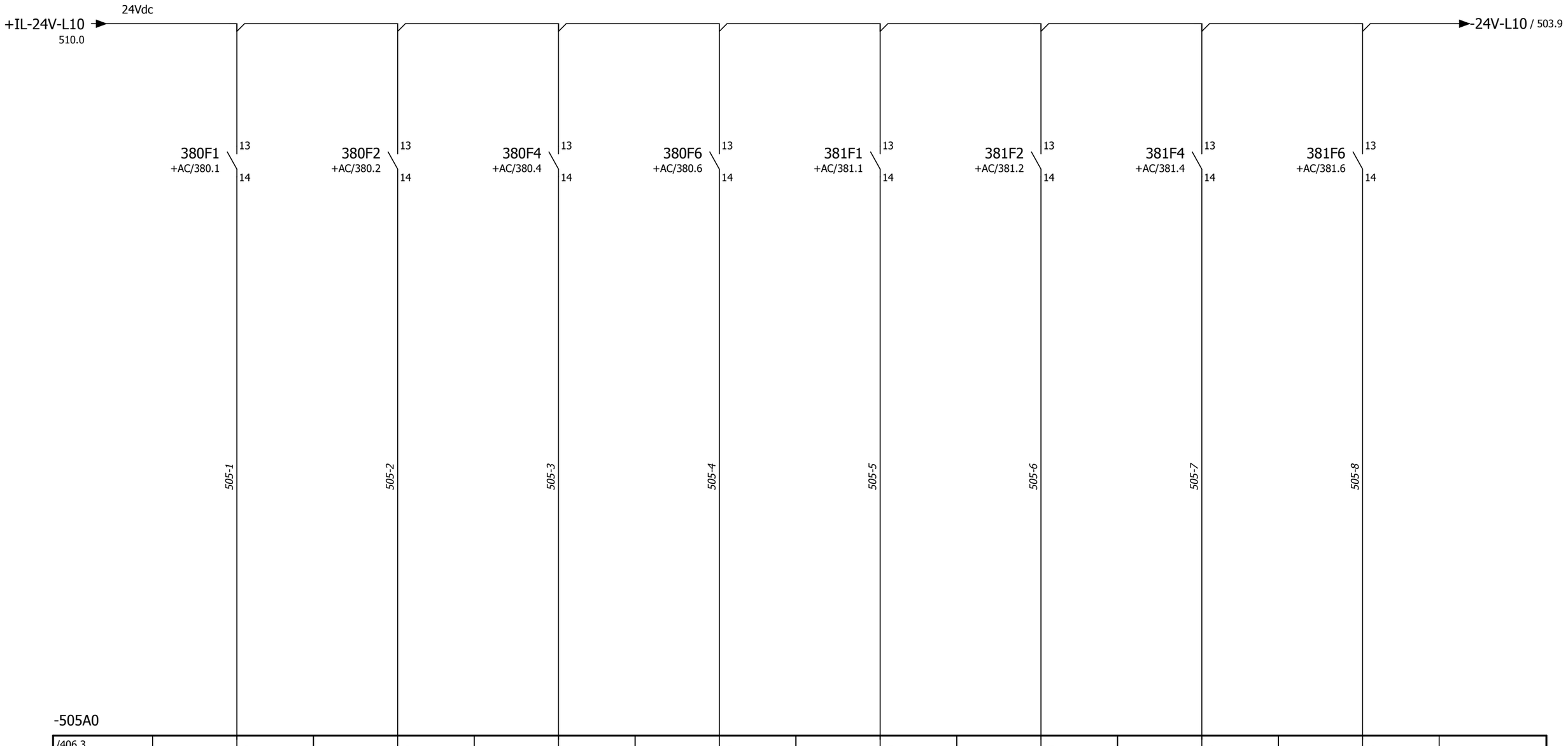
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **503**

Follow 505



-505A0

/406.3 /506.0 /507.0 /508.0	2	3	4	5	6	7	8	9
	HEATING 1 UPPER PAPER	HEATING 1 UPPER PAPER	HEATING SPARE	BARRA ELETTROSTATICA	WEIGHING STACKER 1° SCELTA BOX 1	WEIGHING STACKER 1° SCELTA BOX 2	WEIGHING SPARE	WEIGHING SPARE
	E4.0	E4.1	E4.2	E4.3	E4.4	E4.5	E4.6	E4.7

CODE: 6ES7321-1BL00-0AA0 CONNECTOR: 6ES7392-1AM00-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

= A96

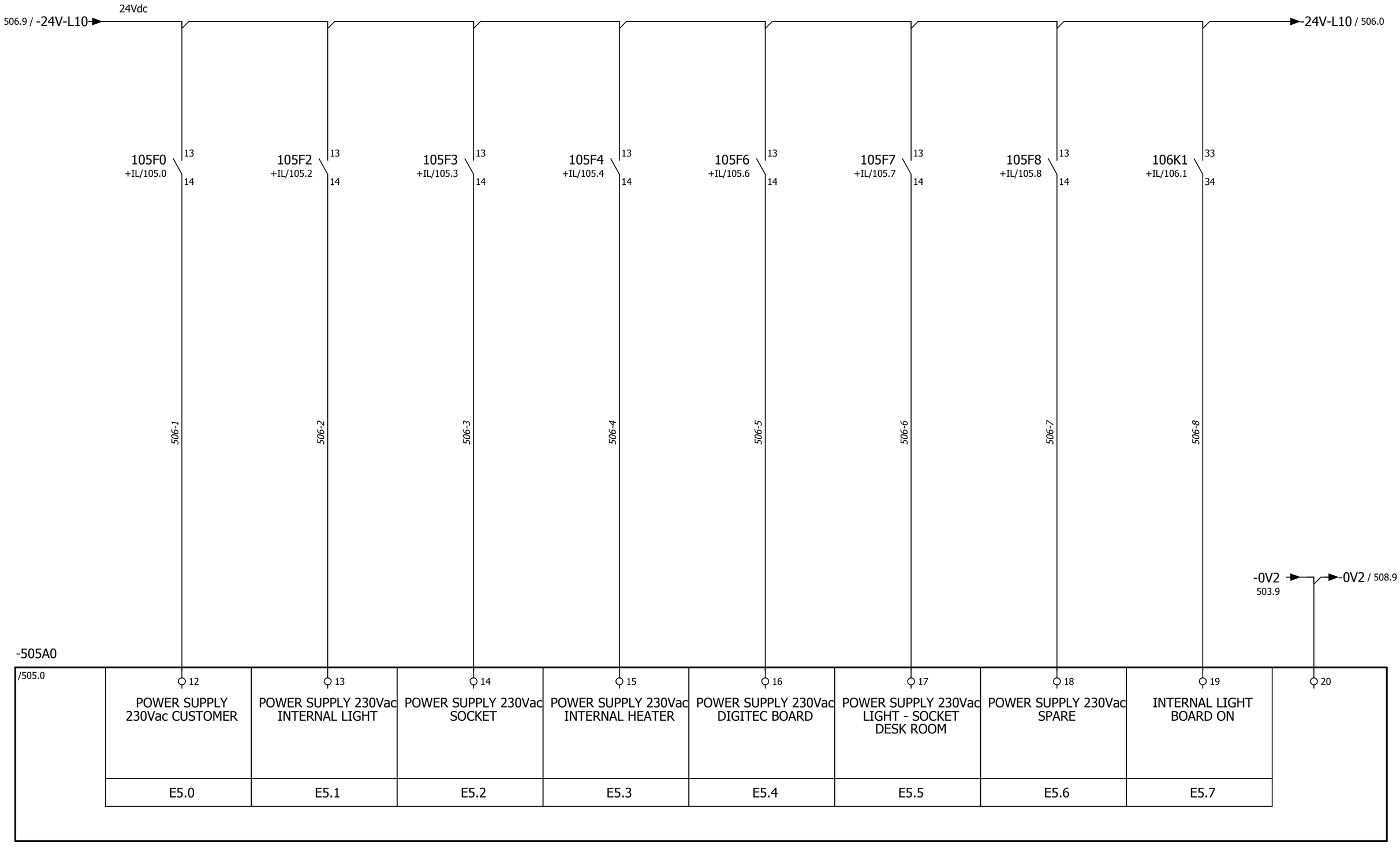
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **505**

Follow 506



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96

+ **PLC**

Page **506**

Follow 507

24Vdc

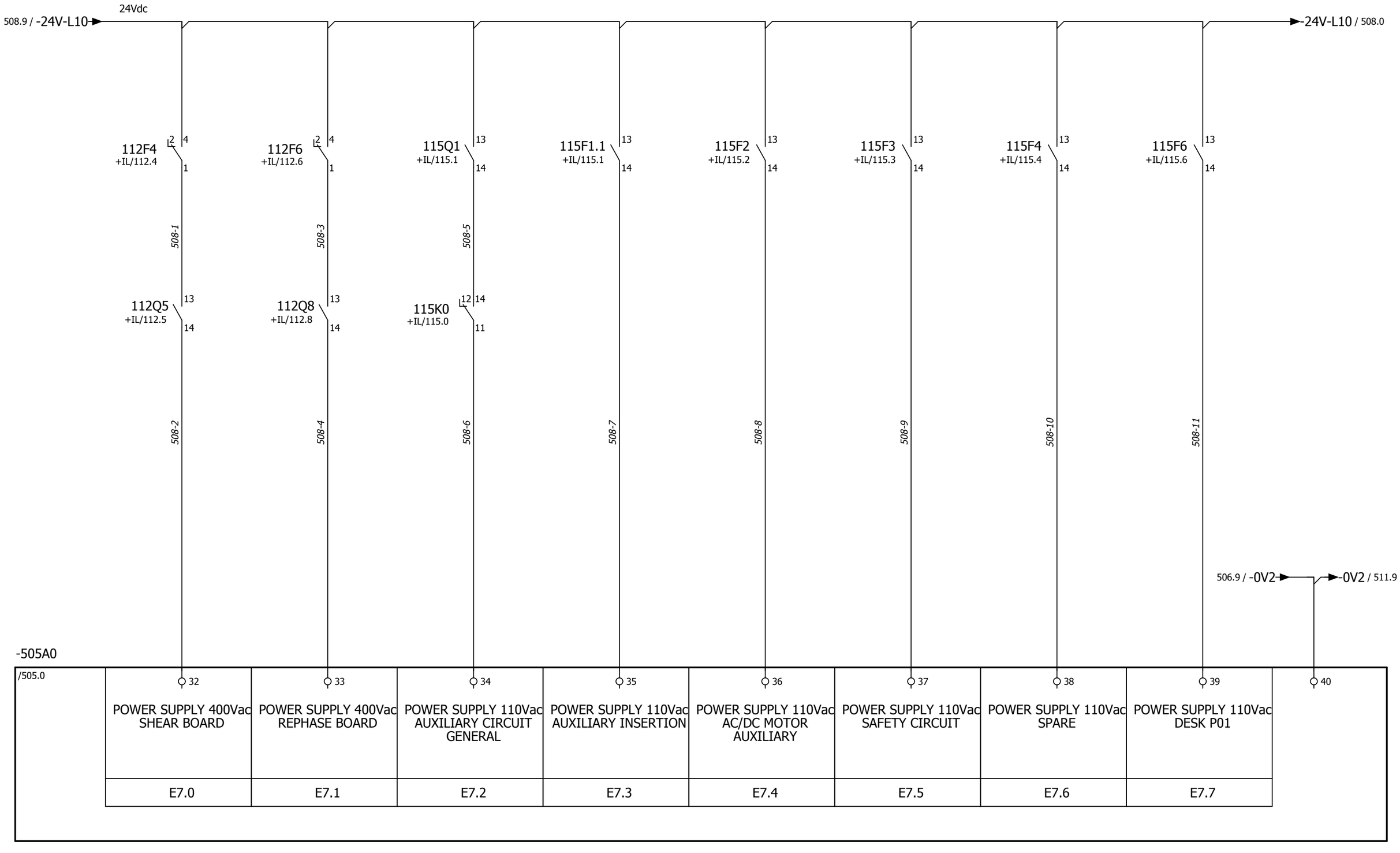
507.9 / -24V-L10 → -24V-L10 / 507.0

110Q1	110F1	110F3	110F5	110F6	110F7	111Q1	112F1
+IL/110.1	+IL/110.1	+IL/110.3	+IL/110.5	+IL/110.6	+IL/110.7	+IL/111.1	+IL/112.1
13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	2 / 4
507-1	507-2	507-3	507-4	507-5	507-6	507-8	507-10
						507-7	507-9
						111F1 +IL/111.1 13 / 14	112Q2 +IL/112.2 13 / 14

-505A0

/505.0

22	23	24	25	26	27	28	29
GENERAL POWER SUPPLY 230Vac EQUIPMENT DEVICE	POWER SUPPLY 230Vac INTERNAL FAN	POWER SUPPLY 230Vac EMG	POWER SUPPLY 230Vac LIGHT NEON STACKER (n°6 x 1x58w)	POWER SUPPLY 230Vac PAPER RECOILER CURRENT JUNCTION (card internal board)	POWER SUPPLY 230Vac SPARE	POWER SUPPLY 230Vac GENERAL BRAKE	POWER SUPPLY 400Vac AC MOTOR
E6.0	E6.1	E6.2	E6.3	E6.4	E6.5	E6.6	E6.7



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96

+ **PLC**

Page **508**

Follow 510

24Vdc

+IL-24V-L10
505.0

-24V-L10 / 511.0

115F7 +IL/115.7 — 13 / 14 — *510-1*
115F8 +IL/115.8 — 13 / 14 — *510-2*
120Q2 +IL/120.2 — 13 / 14 — *510-3*
120K0 +IL/120.0 — 12 / 14 / 11 — *510-4*
120F2 +IL/120.2 — 13 / 14 — *510-5*
120F3 +IL/120.3 — 13 / 14 — *510-6*
120F4 +IL/120.4 — 13 / 14 — *510-7*
120F5 +IL/120.5 — 13 / 14 — *510-8*
120F6 +IL/120.6 — 13 / 14 — *510-9*

-510A0

/406.4
/511.0
/512.0
/513.0

2	3	4	5	6	7	8	9
POWER SUPPLY 110Vac DESK P02	POWER SUPPLY 110Vac DESK P03	POWER SUPPLY 24Vdc SOLENOIDE VALVES GENERAL	POWER SUPPLY 24Vdc SOLENOIDE VALVES SECTION 1	POWER SUPPLY 24Vdc SOLENOIDE VALVES SECTION 2	POWER SUPPLY 24Vdc SOLENOIDE VALVES SECTION 3	POWER SUPPLY 24Vdc STAND-BY BRAKES	SPARE
E8.0	E8.1	E8.2	E8.3	E8.4	E8.5	E8.6	E8.7

CODE: 6ES7321-1BL00-0AA0 CONNECTOR: 6ES7392-1AM00-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **510**
Follow 511

24Vdc

510.9 / -24V-L10 → -24V-L10 / 512.0

	121Q1	121F2	121F3	121F5	121F6	121F7	121F8	122F1
	+IL/121.1	+IL/121.2	+IL/121.3	+IL/121.5	+IL/121.6	+IL/121.7	+IL/121.8	+IL/122.1
13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14
	511-1	511-3	511-4	511-5	511-6	511-7	511-8	511-9

121K0
+IL/121.0
12 14
11
511-2

-0V2 508.9 → -0V2 / 513.9

-510A0

/510.0

12	13	14	15	16	17	18	19	20
POWER SUPPLY 24Vdc AUXILIARY GENERAL	POWER SUPPLY 24Vdc FIELD INPUT	POWER SUPPLY 24Vdc OUTPUT	POWER SUPPLY 24Vdc EMERGENCY RELAY	POWER SUPPLY 24Vdc OPERATOR SAFETY	POWER SUPPLY 24Vdc IM151 LEVELLER 1	POWER SUPPLY 24Vdc IM151 LEVELLER 2	POWER SUPPLY 24Vdc IM151 REMOTE STACKER BOARD	
E9.0	E9.1	E9.2	E9.3	E9.4	E9.5	E9.6	E9.7	

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96

+ **PLC**

Page **511**

Follow 512

511.9 / -24V-L10

24Vdc

-24V-L10 / 513.0

122F2 +IL/122.2	122F3 +IL/122.3	122F4 +IL/122.4	125Q6 +IL/125.6	130K1 +IL/130.1	150S2 +IL/150.2	150K1 +IL/150.3	155K1 +IL/155.3
13 / 14	13 / 14	13 / 14	13 / 14	23 / 24	23 / 24	23 / 24	23 / 24
512-1	512-2	512-3	512-4	512-6	512-7	512-8	512-9

125F6 +IL/125.6 — 13 / 14 — 512-5

-510A0

/510.0

22	23	24	25	26	27	28	29
POWER SUPPLY 24Vdc IM151 REMOTE ENTRY LINE BOARD	POWER SUPPLY 24Vdc ENCODER	POWER SUPPLY 24Vdc SPARE	POWER SUPPLY 24Vdc ELECTRONICS DRIVE	AUXILIARY INSERTION ON	EMERGENCY PUSHBUTTON BOARD	EMERGENCY RELAY ON	SAFETY AREA 1 RELAY ON
E10.0	E10.1	E10.2	E10.3	E10.4	E10.5	E10.6	E10.7

512.9 / -24V-L10 — 24Vdc

-24V-L10 / 515.0

160K1 +IL/160.3	165K1 +IL/165.3	157K1 +IL/157.1	157K2 +IL/157.2	157K3 +IL/157.3	157K4 +IL/157.4
23 / 24	23 / 24	43 / 44	43 / 44	43 / 44	43 / 44
513-1	513-2	513-3	513-4	513-5	513-6

+AC/340.3
513-7

-XR 1

513-7 — 513-8

511.9 / -0V2 — -0V2 / 516.9

-510A0

/510.0

32	33	34	35	36	37	38	39	40
SAFETY AREA 2 RELAY ON	SAFETY AREA 3 RELAY ON	SAFETY AREA 1 GATE 1	SAFETY AREA 1 GATE 2	SAFETY AREA 1 GATE 2	SAFETY AREA 1 GATE 3	BRAKE FAULT	SPARE	
E11.0	E11.1	E11.2	E11.3	E11.4	E11.5	E11.6	E11.7	

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ PLC

Page 513
Follow 515

513.9 / -24V-L10 — 24Vdc

-24V-L10 / 516.0

162K1 +IL/162.1	162K2 +IL/162.2		167K1 +IL/167.1	167K2 +IL/167.2	167K3 +IL/167.3	167K4 +IL/167.4		
43 / 44	43 / 44	-XR 2	43 / 44	43 / 44	43 / 44	43 / 44	-XR 3	
515-1	515-2	515-3	515-4	515-5	515-6	515-7	515-8	

-515A0

/406.5 /516.0 /517.0 /518.0	2	3	4	5	6	7	8	9
	SAFETY AREA 2 GATE 1	SAFETY AREA 2 GATE SPARE	SPARE	SAFETY AREA 3 GATE 1	SAFETY AREA 3 GATE 2	SAFETY AREA 3 GATE 3	SAFETY AREA 3 GATE SPARE	SPARE
	E12.0	E12.1	E12.2	E12.3	E12.4	E12.5	E12.6	E12.7

CODE: 6ES7321-1BL00-0AA0 CONNECTOR: 6ES7392-1AM00-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96

+ **PLC**

Page **515**

Follow 516

24Vdc

515.9 / -24V-L10

-24V-L10 / 517.0

220Q7 +DRM03/220.7	234Q1 +DRM07/234.1	234Q3 +DRM07/234.3	234Q6 +DRM07/234.6	234Q7 +DRM07/234.7	271Q1 +DRM19/271.1	271Q3 +DRM19/271.3	-XR
13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	4
516-1	516-2	516-3	516-4	516-5	516-6	516-7	516-8

-0V2 513.9

-0V2 / 518.9

-515A0

/515.0

12	13	14	15	16	17	18	19	20
BLOWER LEVELLER DRIVE	SHEETS TRANSPORT 1 OPERATOR SIDE	SHEETS TRANSPORT 1 MOTOR SIDE	SHEETS TRANSPORT 2 OPERATOR SIDE	SHEETS TRANSPORT 2 MOTOR SIDE	CAR COILS FRONT ROLL	CAR COILS REAR ROLL	SPARE	
E13.0	E13.1	E13.2	E13.3	E13.4	E13.5	E13.6	E13.7	

Rev.	Descript.	Date	Name			
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	
				Drawn	TPM	
				Check	ALE	
				Original		

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

NOVASTILMEC A96

Job Nr.

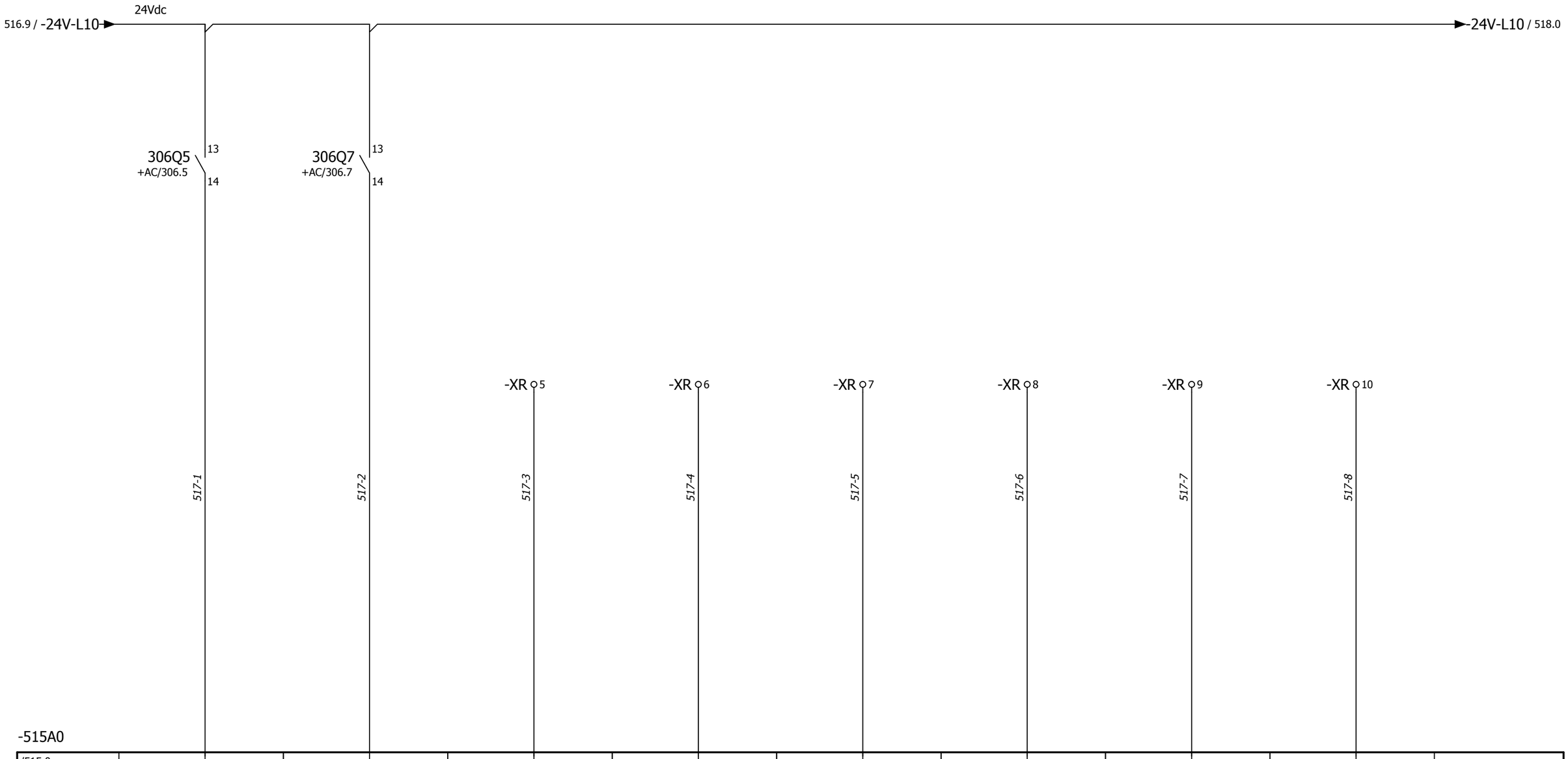
Dwg.Nr. A96

= A96

+ PLC

Page 516

Follow 517



-515A0

/515.0

22	23	24	25	26	27	28	29
Traslazione orizzontale del supporto rotoli superiore	Traslazione orizzontale del supporto rotoli inferiore	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
E14.0	E14.1	E14.2	E14.3	E14.4	E14.5	E14.6	E14.7

517.9 / -24V-L10 — 24Vdc — -24V-L10 /

-XR 11 — 518-1
-XR 12 — 518-2
-XR 13 — 518-3
-XR 14 — 518-4
-XR 15 — 518-5
-XR 16 — 518-6
-XR 17 — 518-7
-XR 18 — 518-8

516.9 / -0V2 — -0V2 / 550.1

-515A0

/515.0

32	33	34	35	36	37	38	39	40
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	
E15.0	E15.1	E15.2	E15.3	E15.4	E15.5	E15.6	E15.7	

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS BOARD

Descript.

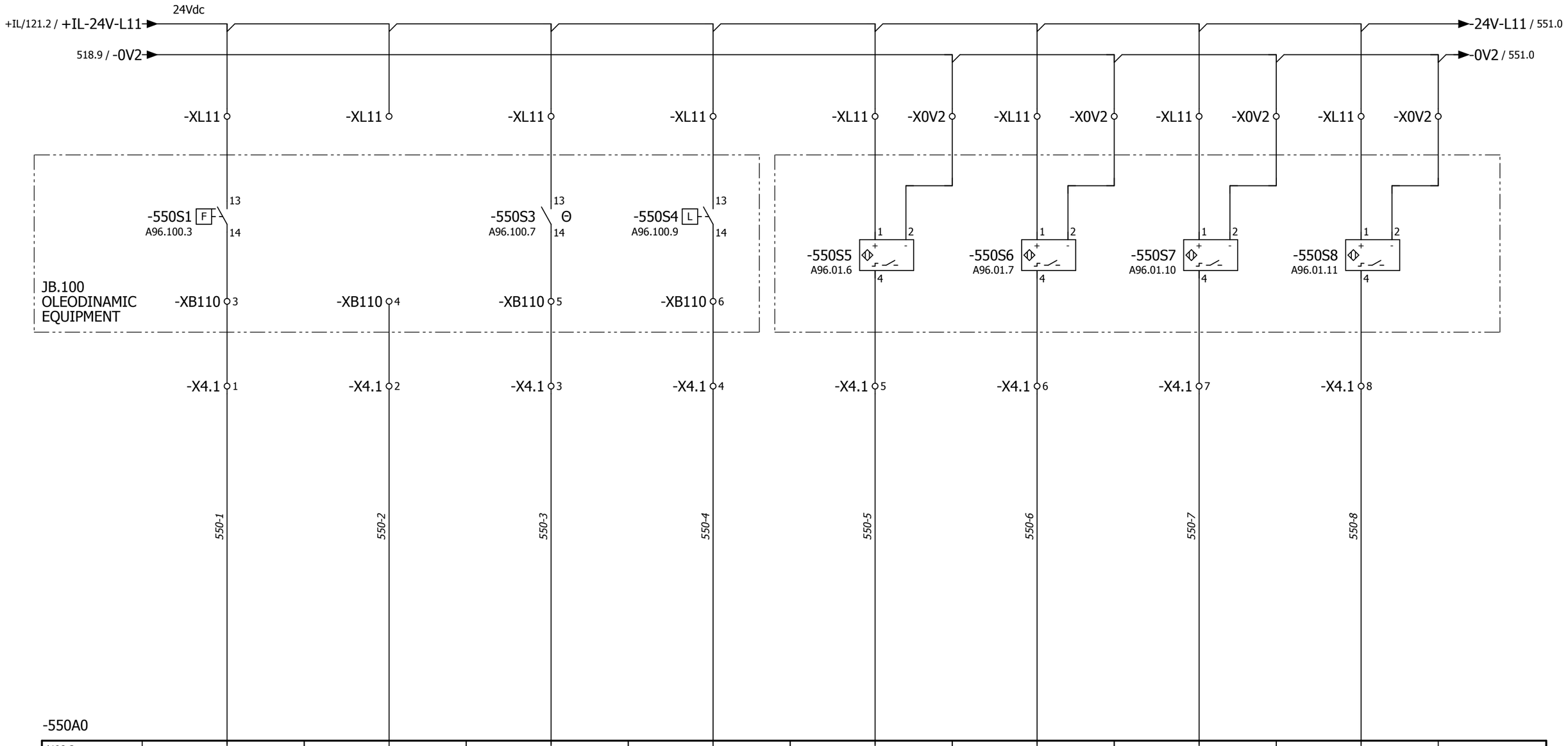
NOVASTILMEC A96

= A96
+ PLC

Job Nr.

Dwg.Nr. A96

Page 518
Follow 550



-550A0

/408.2 /551.0 /552.0 /553.0	2	3	4	5	6	7	8	9
	LINE - OLEODINAMIC EQUIPMENT OIL FILTER	SPARE	LINE - OLEODINAMIC EQUIPMENT MAX TEMPERATURE	LINE - OLEODINAMIC EQUIPMENT MAX LEVEL	COIL CARRIAGE MAX MOTOR SIDE	COIL CARRIAGE MAX OPERATOR SIDE	COIL CARRIAGE OPEN POSITION OF RAIL	COIL CARRIAGE CLOSE POSITION OF RAIL
	E32.0	E32.1	E32.2	E32.3	E32.4	E32.5	E32.6	E32.7

CODE: 6ES7321-1BL00-0AA0 CONNECTOR: 6ES7392-1AM00-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS FIELD

Descript.

NOVASTILMEC A96

= A96

+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **550**

Follow 551

24Vdc

550.9 / -24V-L11 → -24V-L11 / 552.0

550.9 / -0V2 → -0V2 / 551.9

	-551S1	-551S2	-551S3	-551S4	-551S5	-551S6	-551S7	-551S8
	A96.02.4	A96.02.5	A96.02.7	A96.03.3	A96.04.2	A96.05.4	A96.05.8	A96.05.9
-XL11	1	1	1	1			1	
-X0V2	2	2	2	3			2	
	4	4	4	4	P 13 / 14	P 13 / 14	4	F 13 / 14
-X4.1	9	10	11	12	13	14	15	16
	551-1	551-2	551-3	551-4	551-5	551-6	551-7	551-8

-0V2 (551.9) → -0V2 / 552.0

-550A0 /550.0

12	13	14	15	16	17	18	19	20
COIL CAR MAX OPERATOR SIDE	COIL CAR MAX MOTOR SIDE	COIL CAR DOWN POSITION	PAPER PRESENCE	MANDREL MIN PRESSURE	MIN PRESSURE AIR BRAKE UNCOILER	UNCOILER IN MIDDLE POSITION	MIN OIL FLOW UNCOILER TRASLATION	
E33.0	E33.1	E33.2	E33.3	E33.4	E33.5	E33.6	E33.7	

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS FIELD

Descript.

NOVASTILMEC A96

Job Nr.

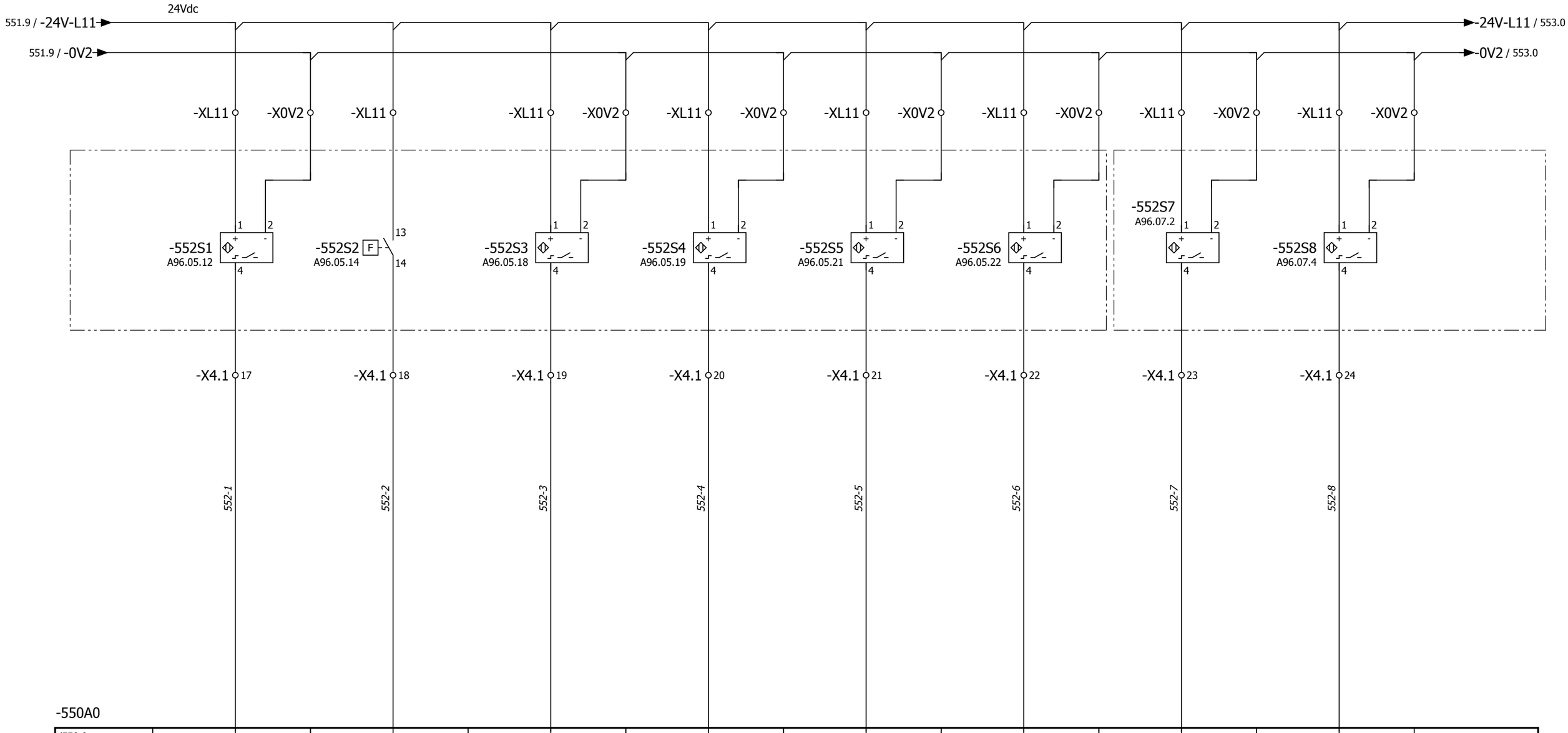
Dwg.Nr. A96

= A96

+ PLC

Page 551

Follow 552

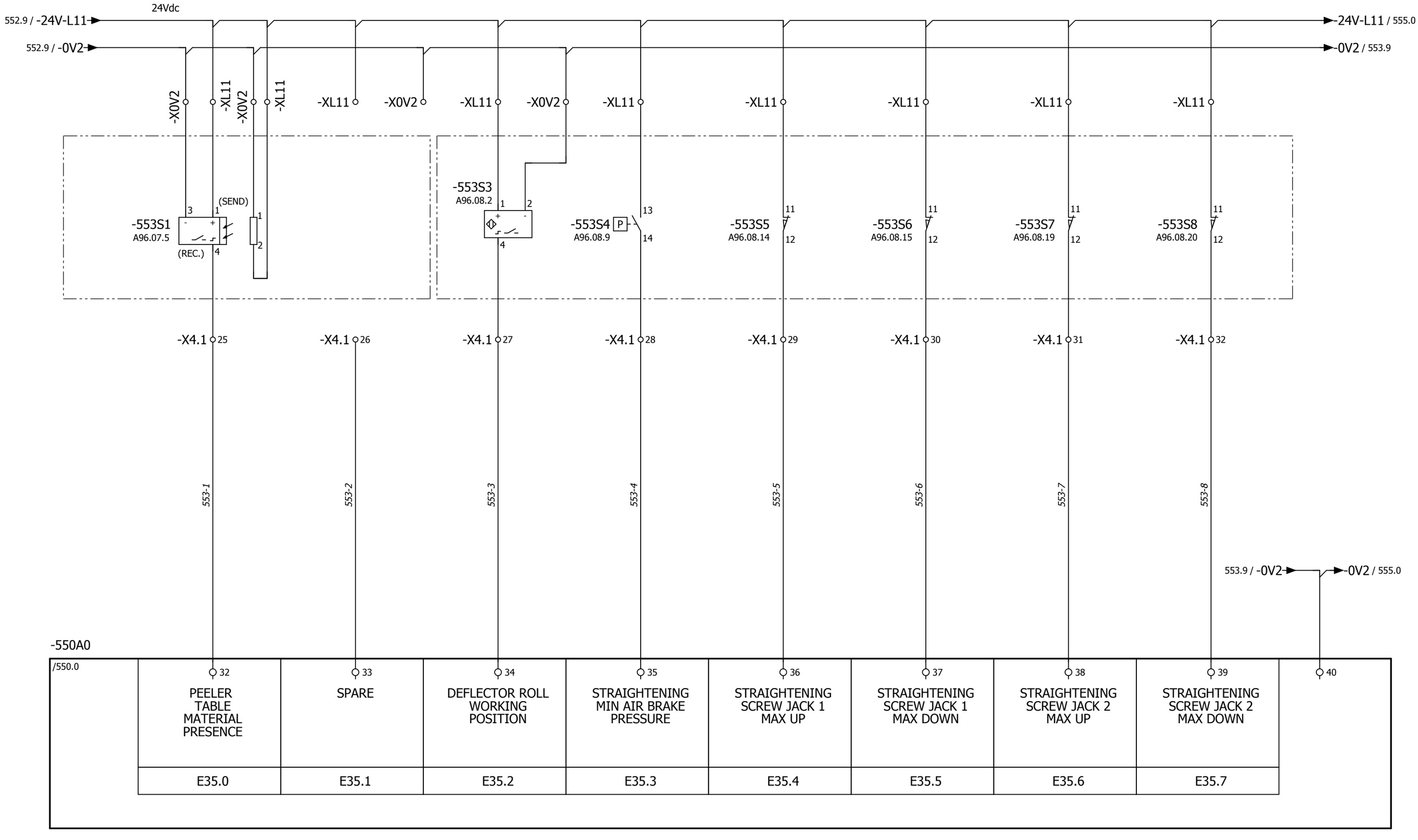


-550A0

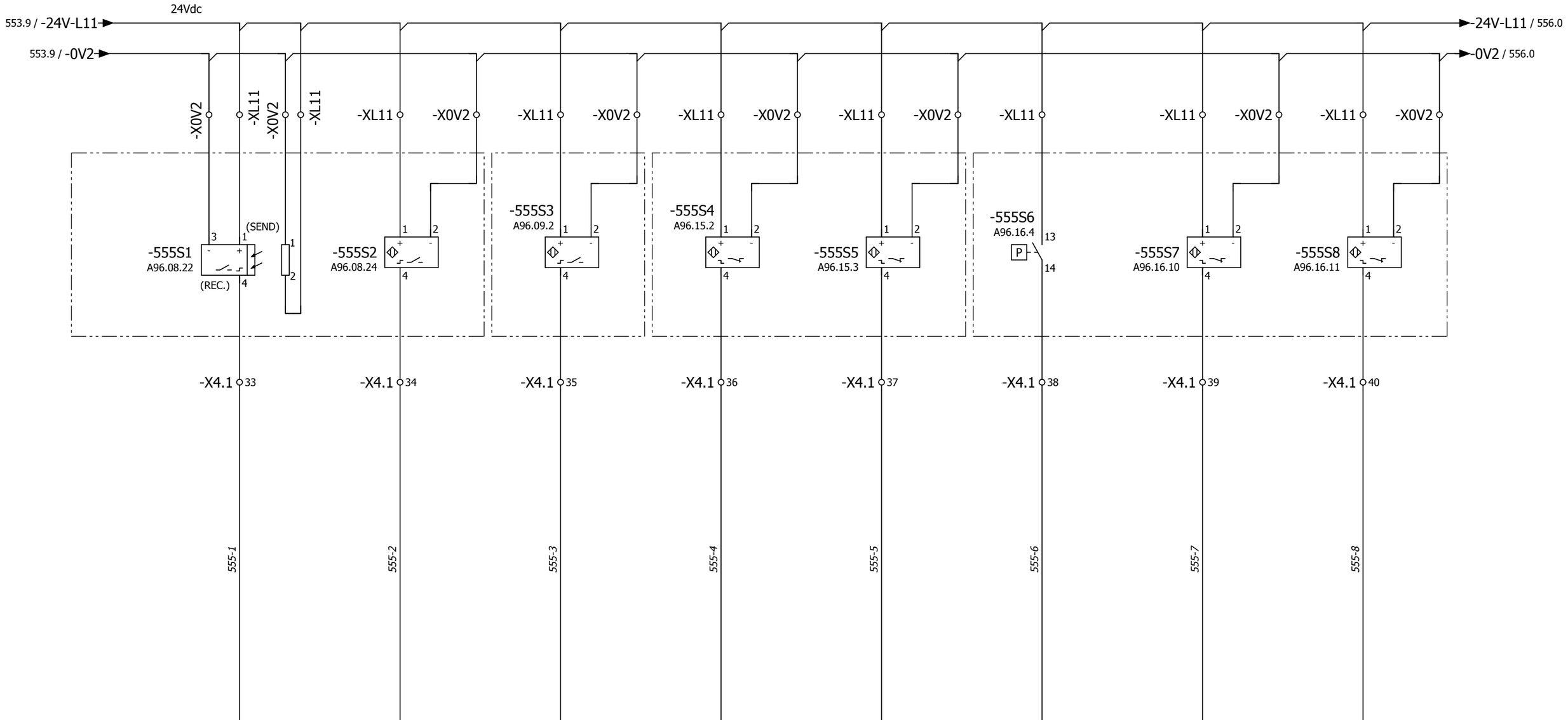
/550.0

22	23	24	25	26	27	28	29
UNCOILER PRESSURE ARM UP POSITION	UNCOILER CONTROL OIL PASSAGE	UNCOILER OPPOSITE SUPPORT OUT	UNCOILER OPPOSITE SUPPORT IN	UNCOILER OPPOSITE SUPPORT UP	UNCOILER OPPOSITE SUPPORT DOWN	PEELER TABLE RETRACT	PEELER TABLE DOWN
E34.0	E34.1	E34.2	E34.3	E34.4	E34.5	E34.6	E34.7

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL INPUTS FIELD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ PLC
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page 552
Rev.	Descript.	Date	Name	Original				Descript.			Follow 553



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL INPUTS FIELD	NOVASTILMEC A96 = A96 + PLC
				Drawn	TPM				
				Check	ALE				Job Nr. / Dwg.Nr. A96 / Page 553 / Follow 555
Rev.	Descript.	Date	Name	Original				Descript.	



-555A0

/408.3 /556.0 /557.0 /558.0	2	3	4	5	6	7	8	9
	STRAIGHTENING MATERIAL PRESENCE	posizione alta del braccio per accompagnamento lamiera per consenso al marcia linea	ENTRY TABLE MAX UP	OVERPASSING TABLE MOTOR SIDE	OVERPASSING TABLE OPERATOR SIDE	MIN AIR PRESSURE BRAKE PLASTICIZER	UPPER ROLL MAX MOTOR SIDE	UPPER ROLL MAX OPERARO SIDE
	E36.0	E36.1	E36.2	E36.3	E36.4	E36.5	E36.6	E36.7

CODE: 6ES7321-1BL00-0AA0 CONNECTOR: 6ES7392-1AM00-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS FIELD

Descript.

NOVASTILMEC A96

= A96

+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **555**

Follow 556

0	1	2	3	4	5	6	7	8	9

555.9 / -24V-L11 → 24Vdc → -24V-L11 / 557.0

555.9 / -0V2 → -0V2 / 556.9

-XL11 -X0V2 -XL11 -X0V2 -X0V2 -XL11 -X0V2 -XL11 -X0V2 -XL11 -XL11 -XL11 -XL11

-556S1 A96.16.17 (1, 2, 4)

-556S2 A96.18.2 (1, 2, 4)

-556S3 A96.18.4 (3, 1 (SEND), 4 (REC.), 1, 2)

-556S4 A96.18.9 (1, 2, 4)

-556S5 A96.19.9 (F, 13, 14)

-556S6 A96.19.11 (F, 13, 14)

-556S7 A96.19.13 (11, 12)

-556S8 A96.19.14 (11, 12)

-X4.1 41 — 556-1

-X4.1 42 — 556-2

-X4.1 43 — 556-3

-X4.1 44 — 556-4

-X4.1 45 — 556-5

-X4.1 46 — 556-6

-X4.1 47 — 556-7

-X4.1 48 — 556-8

-0V2 556.9 → -0V2 / 557.0

-555A0

/555.0

12	13	14	15	16	17	18	19	20
PAPER BREAKING	MEASURING WHEEL DOWN POSITION	MATERIAL PRESENCE	PINCH ROLL UP POSITION	ROTARY SHEAR LUBRICATION O.S.	ROTARY SHEAR LUBRICATION M.S.	ROTARY SHEAR BLADE GAP MAX OPEN	ROTARY SHEAR BLADE GAP MAX CLOSE	
E37.0	E37.1	E37.2	E37.3	E37.4	E37.5	E37.6	E37.7	

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS FIELD

Descript.

NOVASTILMEC A96

= A96

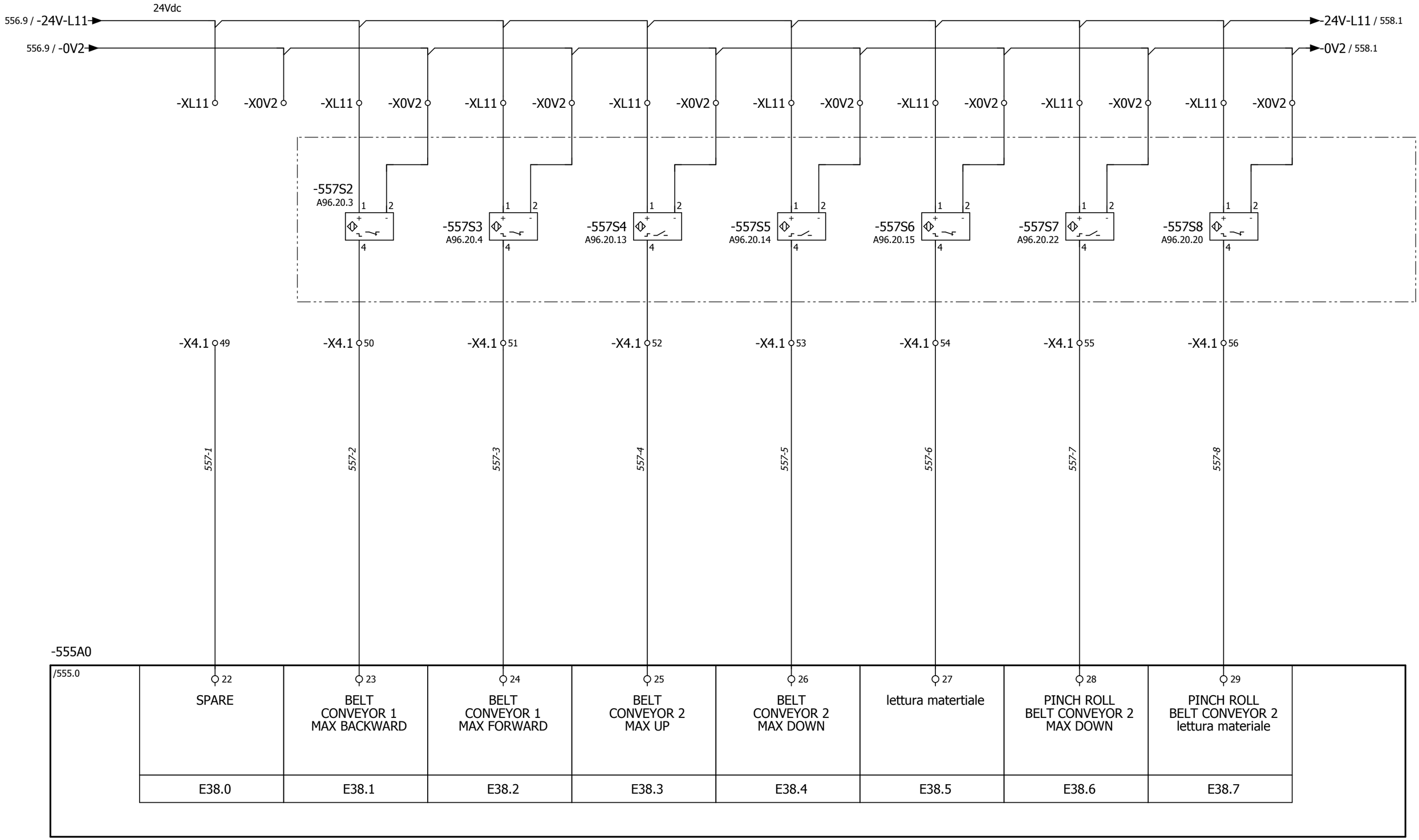
+ PLC

Job Nr.

Dwg.Nr. A96

Page 556

Follow 557



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS FIELD

Descript.

NOVASTILMEC A96

= A96

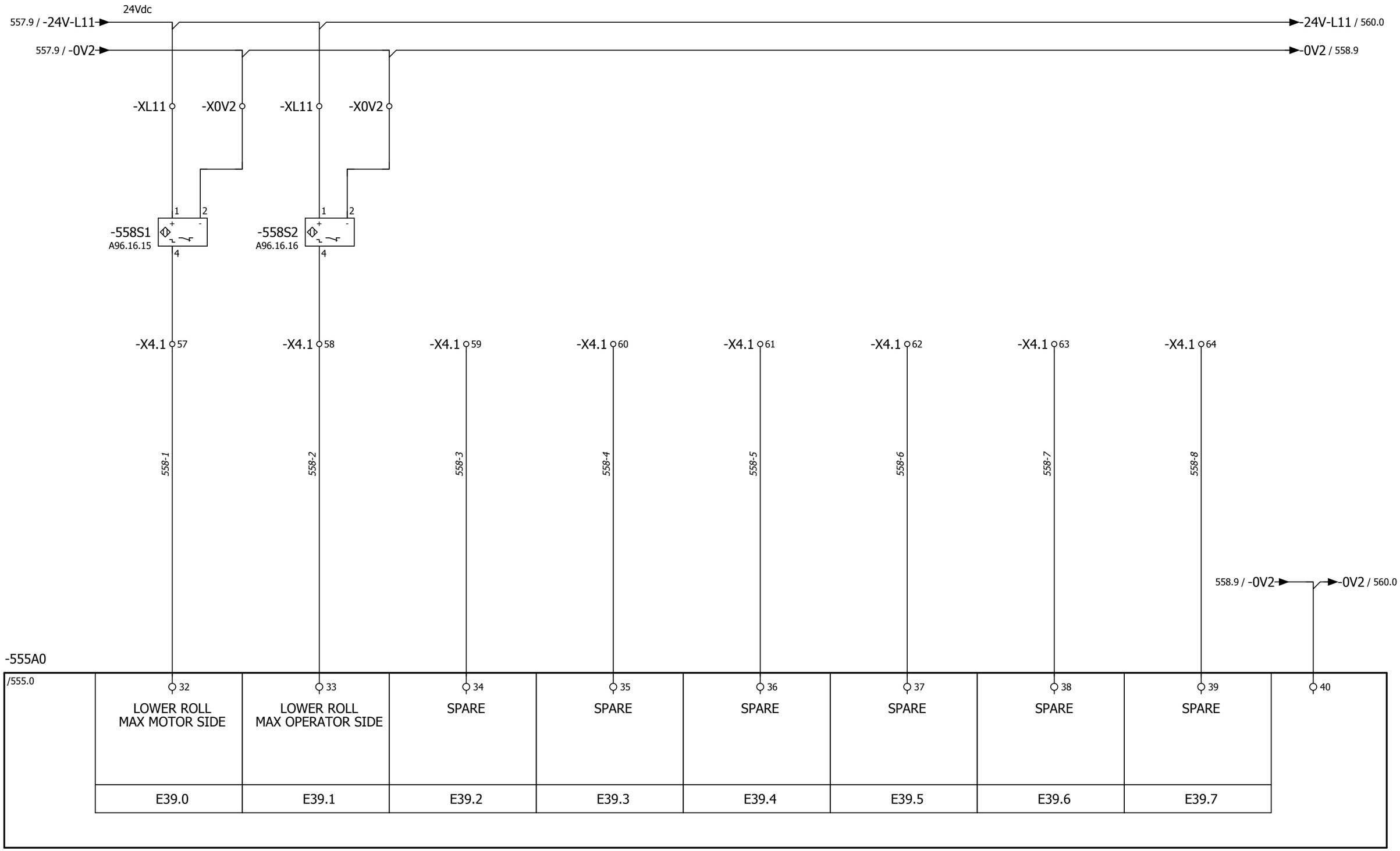
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **557**

Follow 558



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL INPUTS FIELD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ PLC
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 558
Rev.	Descript.	Date	Name	Original				Descript.		Follow 560

24Vdc

558.9 / -24V-L11 → -24V-L11 / 561.0

558.9 / -0V2 → -0V2 / 561.0

-X4.1 65 — 560-1
-X4.1 66 — 560-2
-X4.1 67 — 560-3
-X4.1 68 — 560-4
-X4.1 69 — 560-5
-X4.1 70 — 560-6
-X4.1 71 — 560-7
-X4.1 72 — 560-8

-560A0

/408.4
/561.0
/562.0
/563.0

2	3	4	5	6	7	8	9
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
E40.0	E40.1	E40.2	E40.3	E40.4	E40.5	E40.6	E40.7

CODE: 6ES7321-1BL00-0AA0 CONNECTOR: 6ES7392-1AM00-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS FIELD

Descript.

NOVASTILMEC A96

= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **560**

Follow 561

560.9 / -24V-L11 → 24Vdc → -24V-L11 / 562.0

560.9 / -0V2 → -0V2 / 561.9

-X4.1 73 — 561-1 — 12 — SPARE — E41.0

-X4.1 74 — 561-2 — 13 — SPARE — E41.1

-X4.1 75 — 561-3 — 14 — SPARE — E41.2

-X4.1 76 — 561-4 — 15 — SPARE — E41.3

-X4.1 77 — 561-5 — 16 — SPARE — E41.4

-X4.1 78 — 561-6 — 17 — SPARE — E41.5

-X4.1 79 — 561-7 — 18 — SPARE — E41.6

-X4.1 80 — 561-8 — 19 — SPARE — E41.7

-0V2 (561.9) → -0V2 / 562.0 — 20

-560A0

/560.0

E41.0	E41.1	E41.2	E41.3	E41.4	E41.5	E41.6	E41.7

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS FIELD

Descript.

NOVASTILMEC A96

= A96

+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **561**

Follow 562

0	1	2	3	4	5	6	7	8	9

561.9 / -24V-L11 — 24Vdc → -24V-L11 / 563.0

561.9 / -0V2 → -0V2 / 563.0

-X4.1	81	82	83	84	85	86	87	88
	562-1	562-2	562-3	562-4	562-5	562-6	562-7	562-8

-560A0

/560.0

	22	23	24	25	26	27	28	29
	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
	E42.0	E42.1	E42.2	E42.3	E42.4	E42.5	E42.6	E42.7

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL INPUTS FIELD
				Drawn	TPM			
				Check	ALE			
Rev.	Descript.	Date	Name	Original				Descript.

NOVASTILMEC A96	= A96
	+ PLC
Job Nr.	Dwg.Nr. A96
	Page 562
	Follow 563

562.9 / -24V-L11 — 24Vdc → -24V-L11 / 563.9

562.9 / -0V2 → -0V2 / 563.9

-X4.1 89 — 563-1 — E43.0 — SPARE

-X4.1 90 — 563-2 — E43.1 — SPARE

-X4.1 91 — 563-3 — E43.2 — SPARE

-X4.1 92 — 563-4 — E43.3 — SPARE

-X4.1 93 — 563-5 — E43.4 — SPARE

-X4.1 94 — 563-6 — E43.5 — SPARE

-X4.1 95 — 563-7 — E43.6 — SPARE

-X4.1 96 — 563-8 — E43.7 — SPARE

563.9 / -0V2 → -0V2 / 580.0

-560A0

/560.0

32 SPARE E43.0

33 SPARE E43.1

34 SPARE E43.2

35 SPARE E43.3

36 SPARE E43.4

37 SPARE E43.5

38 SPARE E43.6

39 SPARE E43.7

40

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL INPUTS FIELD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ PLC
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 563
Rev.	Descript.	Date	Name	Original				Descript.		Follow 580

-580A0

/408.5
/581.0
/582.0
/583.0

CODE: 6ES7322-1BL00-0AA0 CONNECTOR: 6ES7392-1AM00-0AA0

A32.0	A32.1	A32.2	A32.3	A32.4	A32.5	A32.6	A32.7
LINE - OLEODINAMIC EQUIPMENT BY-PASS PRESSURE 120bar	ENTRY COIL CAR CLOCKWISE	ENTRY COIL CAR ANTICLOCKWISE	COIL CAR UP	COIL CAR DOWN	UNCOILER EXPANSION	UNCOILER CONTRACTION	UNCOILER STAND-BY BRAKE

1 10 2 3 4 5 6 7 8 9

580-1 580-3 580-5 580-7 580-9 580-11 580-13 580-15

443.0
24V-L12

24Vdc

563.9
0V2

-580A1

1 2 3 4 5 6 7 8

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

\+ -

12 11 14 22 21 24 32 31 34 42 41 44 52 51 54 62 61 64 72 71 74 82 81 84

24V-L12
581.0

0V2
581.0

+IL-192-2
+IL/192.2
24Vdc
192-2 / 590.1

+IL-24V-Z1
+IL/192.1
24Vdc
24V-Z1 / 581.1

+IL/195.1 / +IL-24V-Z11
24Vdc
24V-Z11 / 583.1

580-2 580-4 580-6 580-8 580-10 580-12 580-14 580-16

-X4.2 1 -X4.2 2 -X4.2 3 -X4.2 4 -X4.2 5 -X4.2 6 -X4.2 7 -X4.2 8

JB100

-XB110.1 3
-580Y1 x1 x2
A96.100.4
-XB110.1 1

-580Y5 A1 B1 A2 B2
A96.01.9

-580Y4 A1 B1 A2 B2
A96.02.6

-580Y6 A1 B1 A2 B2
A96.04.1

-580Y8 x1 x2
A96.05.3

-X0V1 -X0V1 -X0V1 -X0V1 -X0V1 -X0V1 -X0V1 -X0V1

+IL/192.9 / +IL-0V1
0V1 / 581.1

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT FIELD

Descript.

NOVASTILMEC A96

= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **580**
Follow 581

-580A0

/580.0

A33.0	A33.1	A33.2	A33.3	A33.4	A33.5	A33.6	A33.7
PRESSURE ARM UP	PRESSURE ARM DOWN	PRESSURE ARM ROTATION CLOCKWISE	PRESSURE ARM ROTATION ANTICLOCKWISE	VIEW COIL IN MIDDLE POSITION	movimento rotatorio della contro punta aspo devolgitore	movimento rotatorio della contro punta aspo devolgitore	SPARE

11 20 12 13 14 15 16 17 18 19

581-1 581-3 581-5 581-7 581-9 581-11 581-13 581-15

580.0
24V-L12

24Vdc

580.0
0V2

-581A1

1 2 3 4 5 6 7 8

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

+
-

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24V-L12
582.0

0V2
582.0

580.9 / 24V-Z1 → 24Vdc → 24V-Z1 / 582.1

581-2 581-4 581-6 581-8 581-10 581-12 581-14 581-16

-X4.2 9 -X4.2 10 -X4.2 11 -X4.2 12 -X4.2 13 -X4.2 14 -X4.2 15 -X4.2 16

-581Y1
A96.05.10
A1 A2 B1 B2

-581Y3
A96.05.11
A1 A2 B1 B2

-581H5
A95.05.15
x1 x2

-581Y5
A96.05.17
A1 A2 B1 B2

-X0V1 -X0V1 -X0V1 -X0V1 -X0V1

580.9 / 0V1 → 0V1 / 582.1

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT FIELD

Descript.

NOVASTILMEC A96

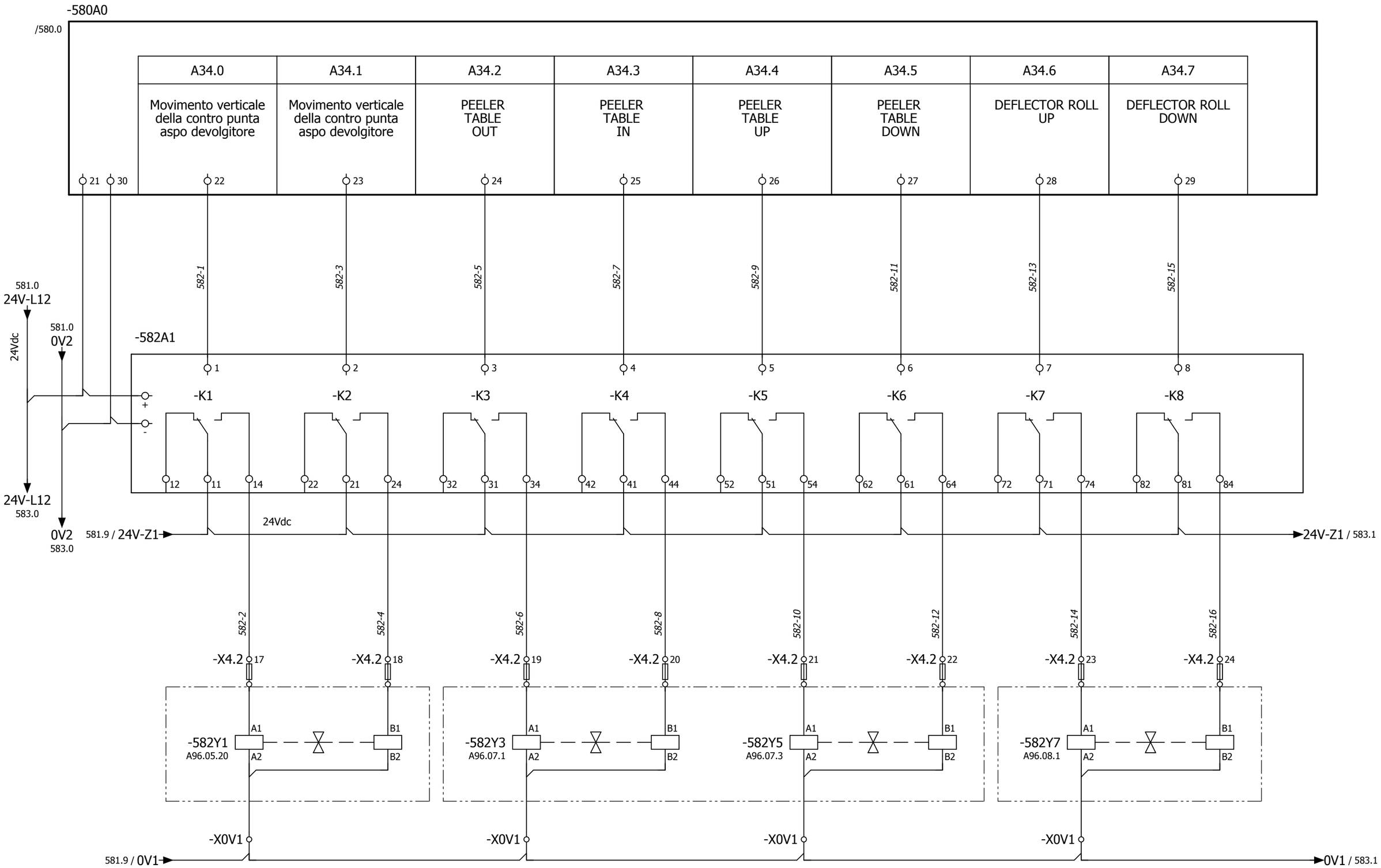
= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **581**

Follow 582



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT FIELD

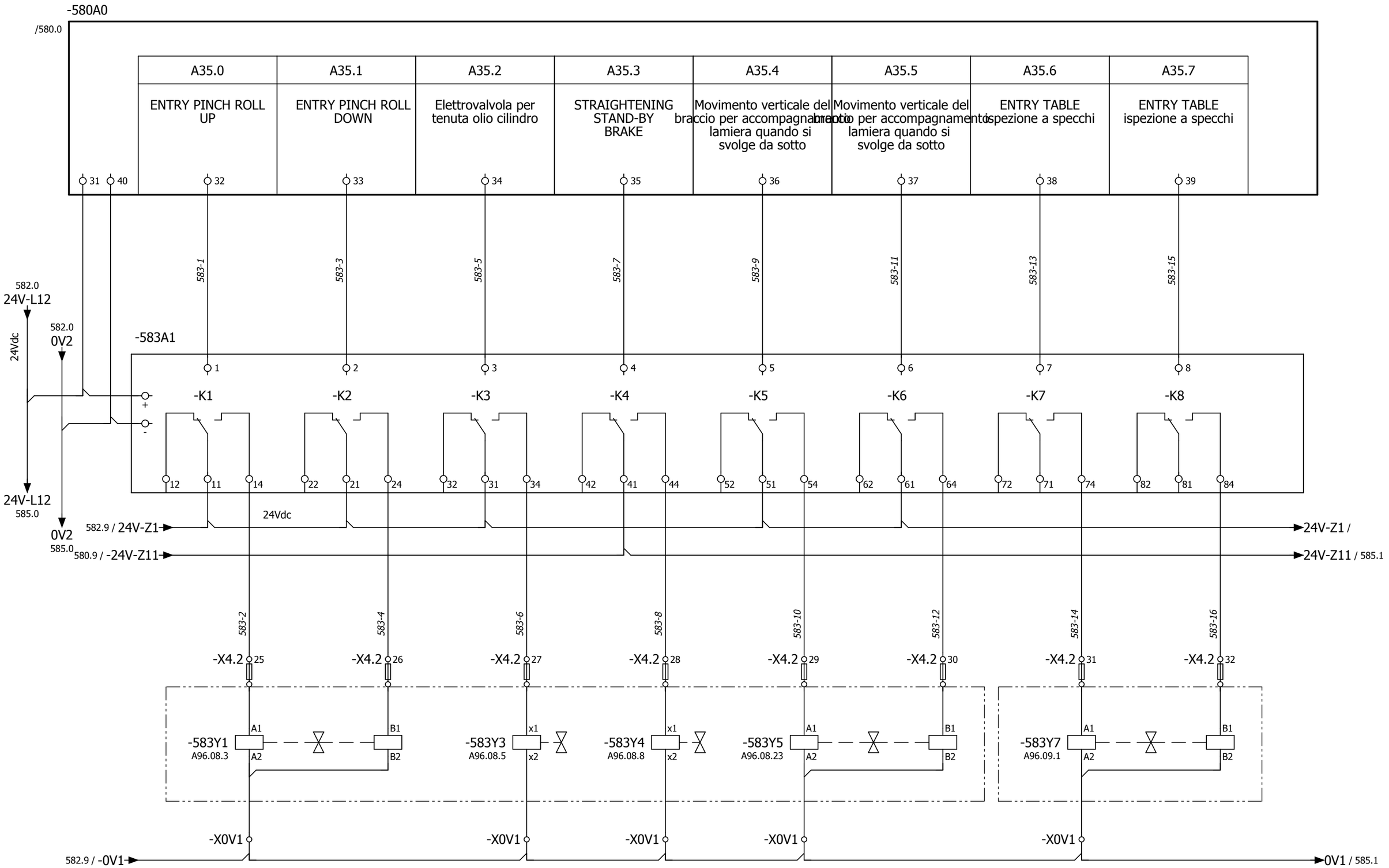
Descript.

NOVASTILMEC A96

= A96

+ **PLC**

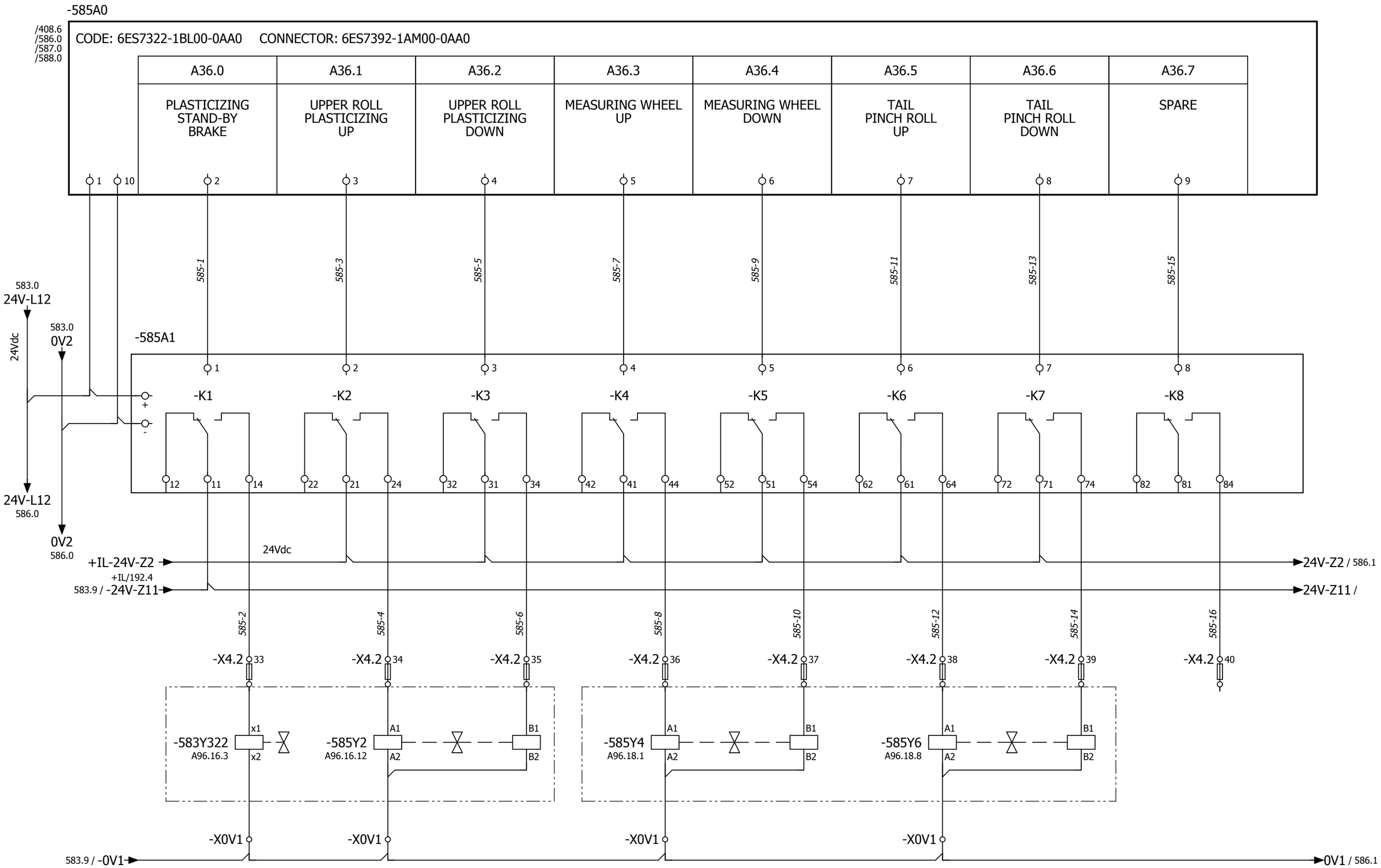
Job Nr.	Dwg.Nr.	Page	**582**
	A96	Follow	583



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	DIGITAL OUTPUT FIELD	NOVASTILMEC A96	= A96
				Drawn	TPM			+ **PLC**
				Check	ALE		Job Nr.	Dwg.Nr. A96 / Page **583**
Rev.	Descript.	Date	Name	Original		Descript.		Follow 585

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT FIELD

Descript.

NOVASTILMEC A96

= A96

+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **585**

Follow 586

-585A0

/585.0

A37.0	A37.1	A37.2	A37.3	A37.4	A37.5	A37.6	A37.7
ROTARY SHEAR SETTING BLADE GAP INCREASE	ROTARY SHEAR SETTING BLADE GAP DECREASE	PINCH ROLL BELT CONVEYOR 1 UP	PINCH ROLL BELT CONVEYOR 1 DOWN	BELT CONVEYOR 2 UP	BELT CONVEYOR 2 DOWN	PINCH ROLL BELT CONVEYOR 2 UP	PINCH ROLL BELT CONVEYOR 2 DOWN

11 20 12 13 14 15 16 17 18 19

586-1 586-3 586-5 586-7 586-9 586-11 586-13 586-15

585.0
24V-L12

24Vdc

585.0
0V2

-586A1

1 2 3 4 5 6 7 8

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

+ -

12 11 14 22 21 24 32 31 34 42 41 44 52 51 54 62 61 64 72 71 74 82 81 84

24V-L12
587.0

0V2
587.0

585.9 / -24V-Z2 → 24Vdc → -24V-Z2 / 587.1

586-2 586-4 586-6 586-8 586-10 586-12 586-14 586-16

-X4.2 41 -X4.2 42 -X4.2 43 -X4.2 44 -X4.2 45 -X4.2 46 -X4.2 47 -X4.2 48

-586Y1 A96.19.12 A1 A2 B1 B2

-586Y3 A96.20.7 A1 A2 B1 B2

-586Y5 A96.20.12 A1 A2 B1 B2

-586Y7 A96.19.19 A1 A2 B1 B2

-X0V1 -X0V1 -X0V1 -X0V1

585.9 / 0V1 → 0V1 / 587.1

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUT FIELD
				Drawn	TPM			
				Check	ALE			
Rev.	Descript.	Date	Name	Original				Descript.

NOVASTILMEC A96	= A96
	+ **PLC**
Job Nr.	Dwg.Nr. A96
	Page **586**
	Follow 587

-585A0

/585.0

A38.0	A38.1	A38.2	A38.3	A38.4	A38.5	A38.6	A38.7
BELT 3 RAISE	BELT 3 LOWER	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

21 30 22 23 24 25 26 27 28 29

587-1 587-2 587-3 587-4 587-5 587-6 587-7 587-8

586.0
24V-L12

24Vdc

586.0
0V2

-587A1

1 2 3 4 5 6 7 8

+ -

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

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24V-L12
588.0

0V2
588.0

586.9 / -24V-Z2 → 24Vdc → -24V-Z2 /

-X4.2 49 -X4.2 50 -X4.2 51 -X4.2 52 -X4.2 53 -X4.2 54 -X4.2 55 -X4.2 56

-587Y1
A96.20.25

A1 A2 B1 B2

-X0V1

586.9 / 0V1 → 0V1 / 588.1

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT FIELD

Descript.

NOVASTILMEC A96

= A96
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **587**

Follow 588

-585A0

/585.0

A39.0	A39.1	A39.2	A39.3	A39.4	A39.5	A39.6	A39.7
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE

31 40 32 33 34 35 36 37 38 39

588-1 588-3 588-5 588-7 588-9 588-11 588-13 588-15

587.0
24V-L12

24Vdc

587.0
0V2

-588A1

1 2 3 4 5 6 7 8

+ -

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

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24V-L12
590.0

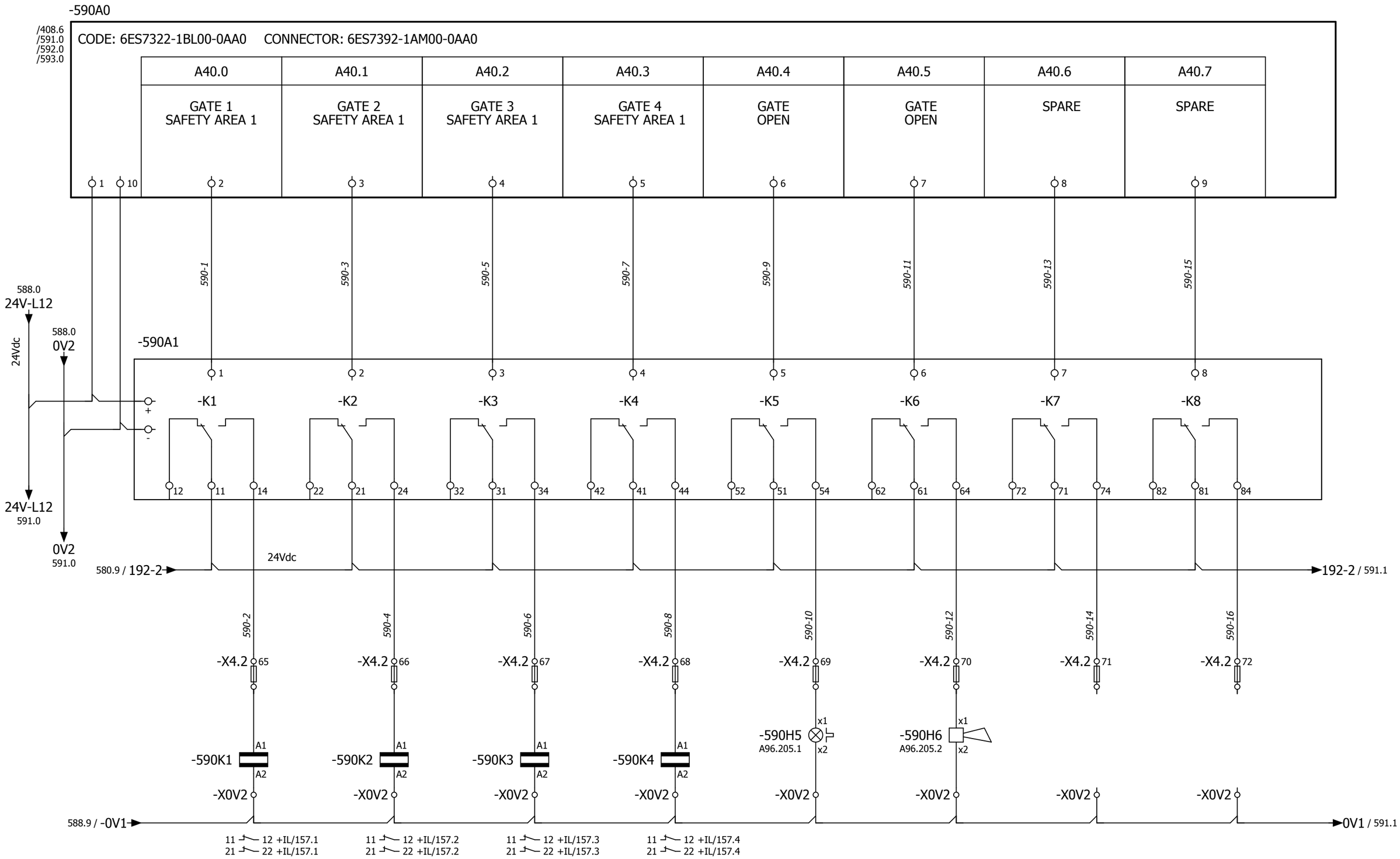
0V2
590.0

588-2 588-4 588-6 588-8 588-10 588-12 588-14 588-16

-X4.2 57 -X4.2 58 -X4.2 59 -X4.2 60 -X4.2 61 -X4.2 62 -X4.2 63 -X4.2 64

587.9 / -0V1 → 0V1 / 590.1

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUT FIELD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **PLC**
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page **588**
Rev.	Descript.	Date	Name	Original				Descript.			Follow 590



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT FIELD

Descript.

NOVASTILMEC A96

= A96

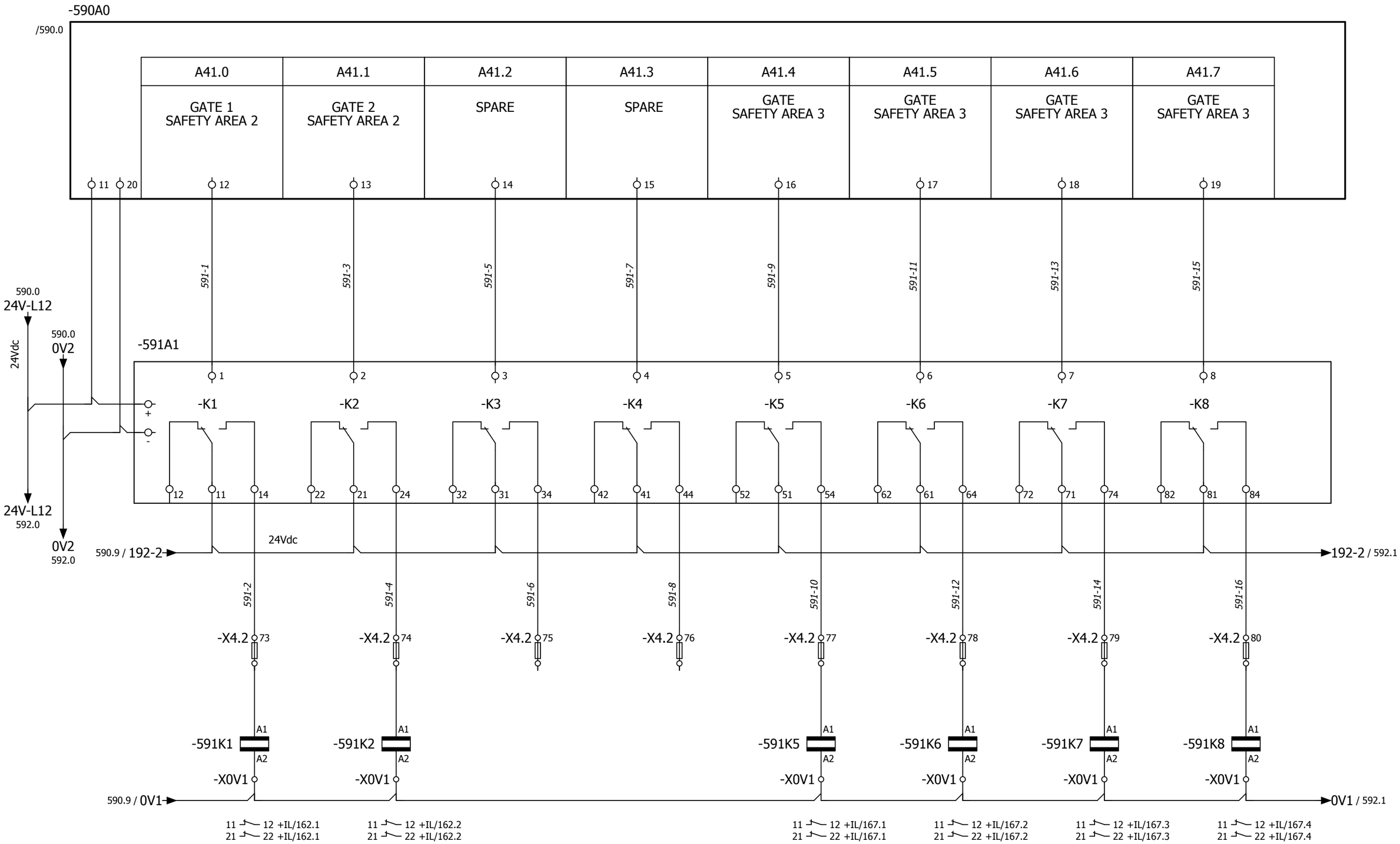
+ **PLC**

Job Nr.

Dwg.Nr. A96

Page **590**

Follow 591



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT FIELD

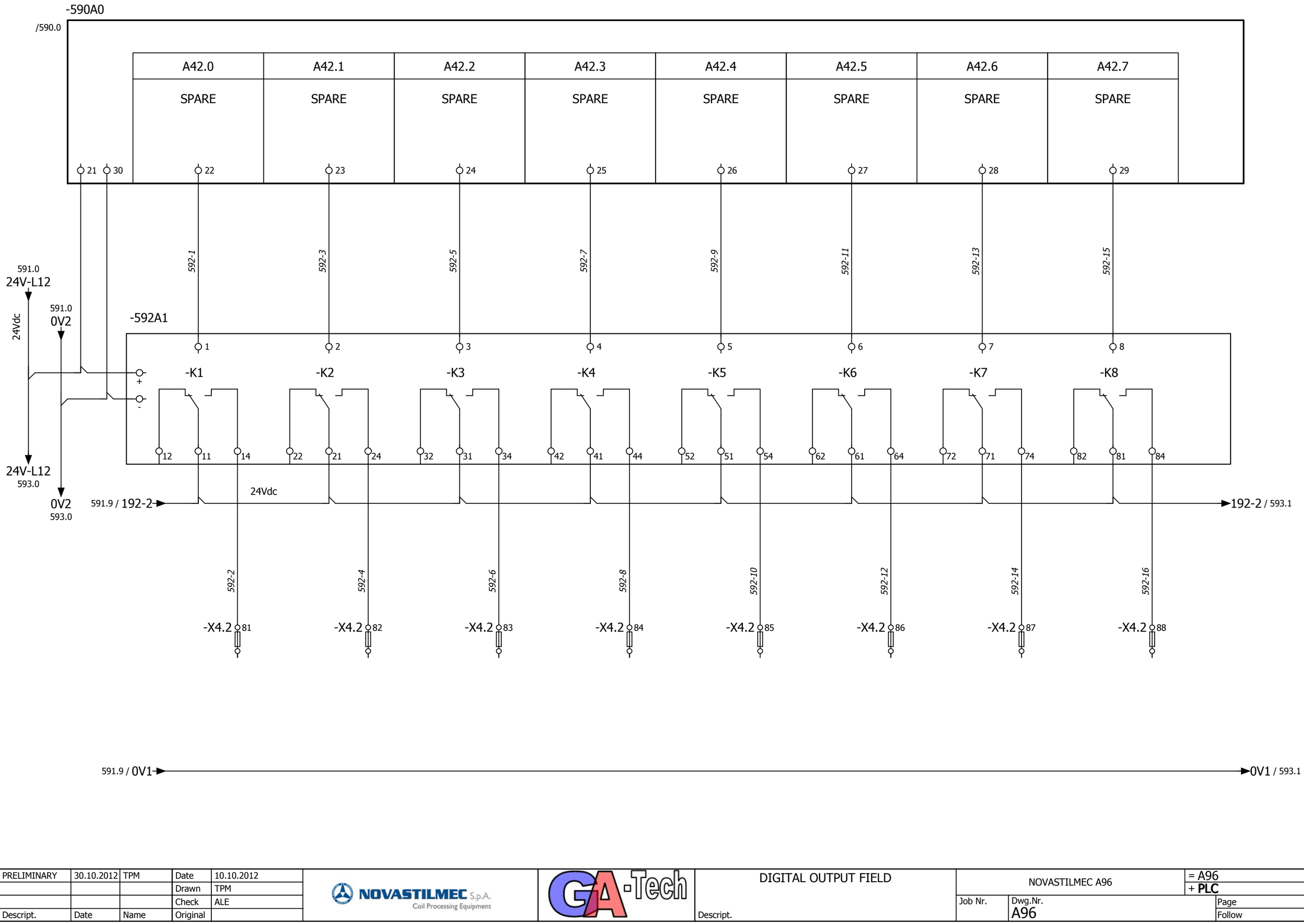
Descript.

NOVASTILMEC A96

= A96

+ **PLC**

Job Nr.	Dwg.Nr.	Page	**591**
	A96	Follow	592



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUT FIELD

Descript.

NOVASTILMEC A96

= A96

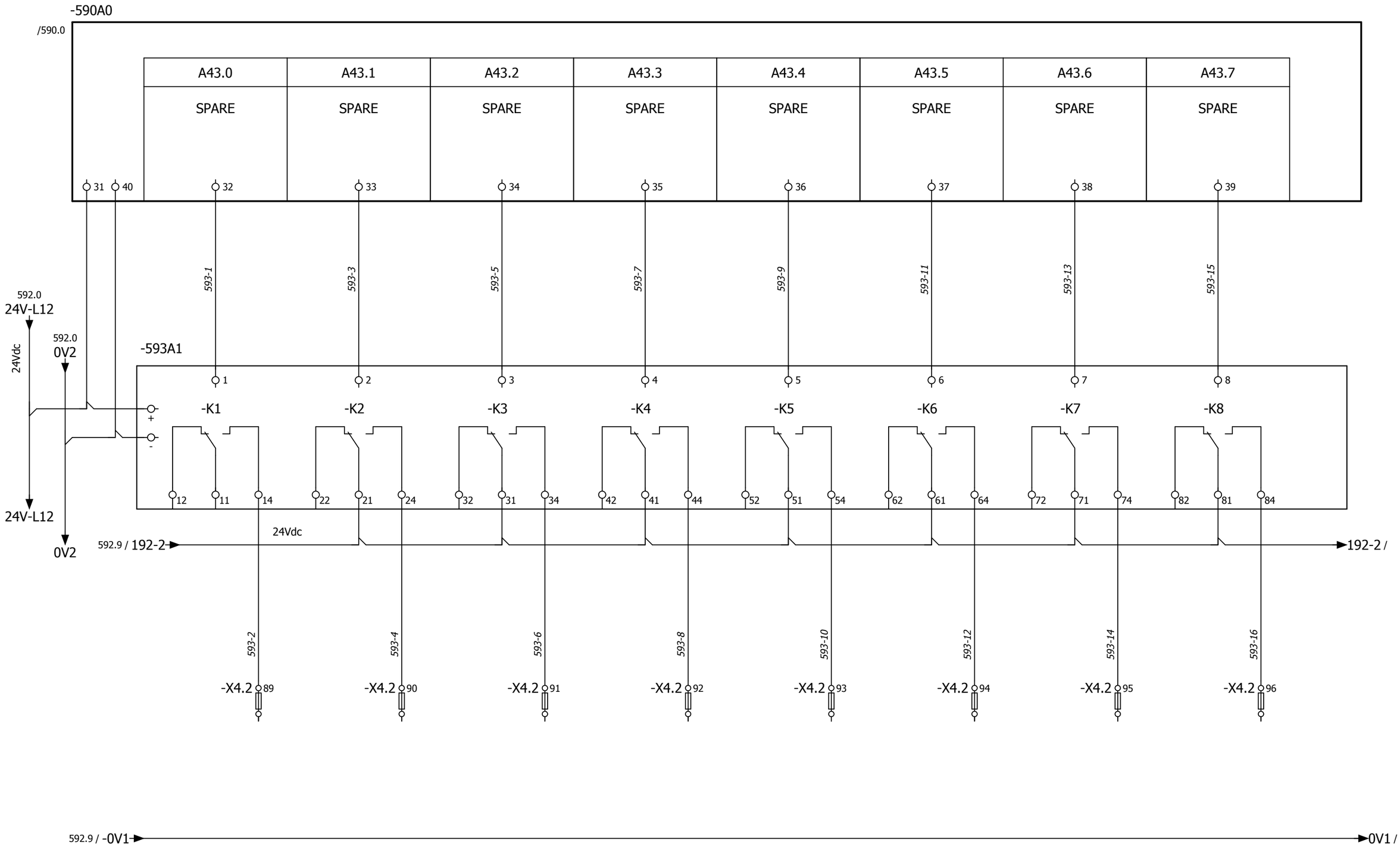
+ **PLC**

Job Nr.

Dwg.Nr. A96

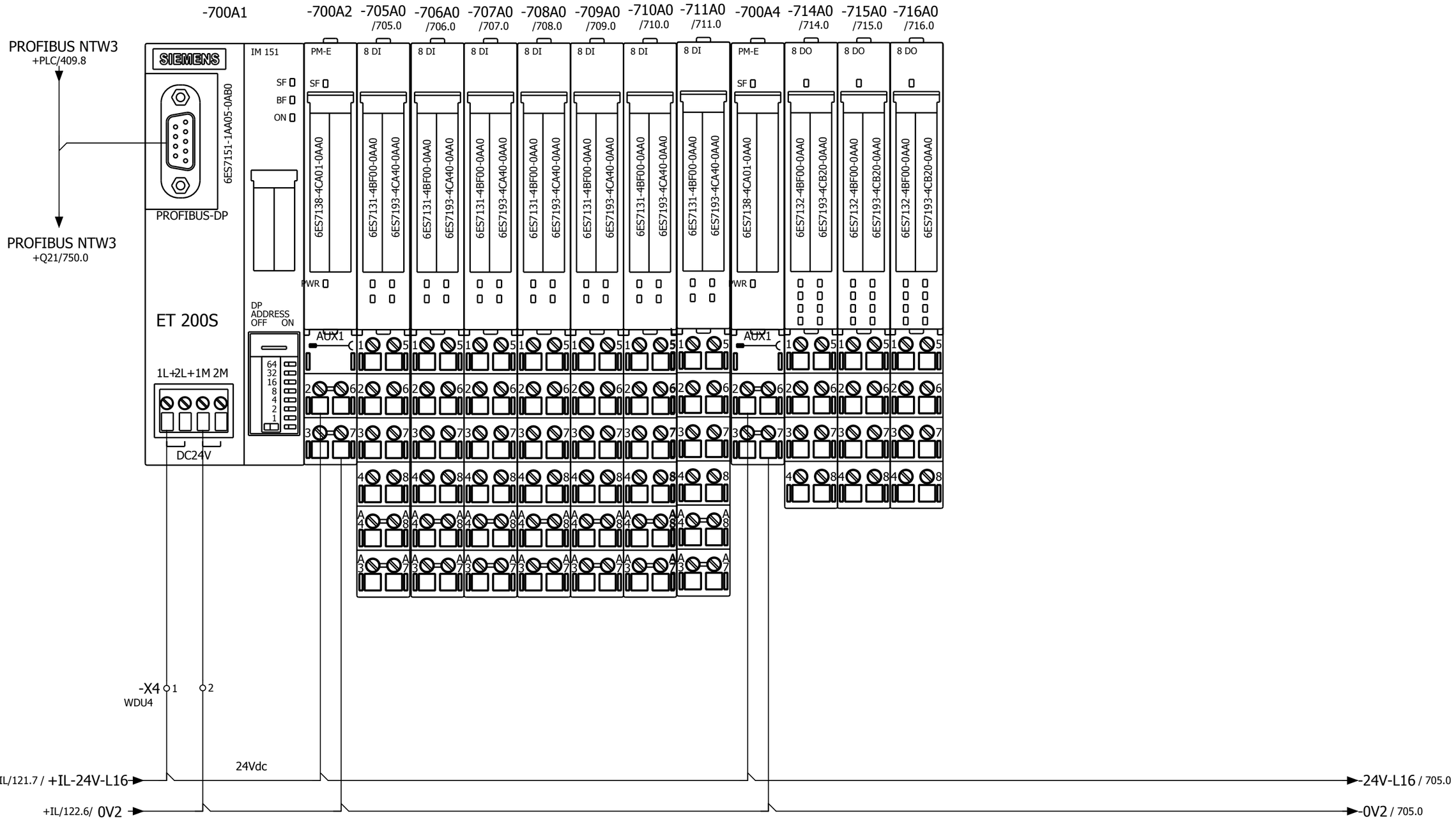
Page **592**

Follow 593

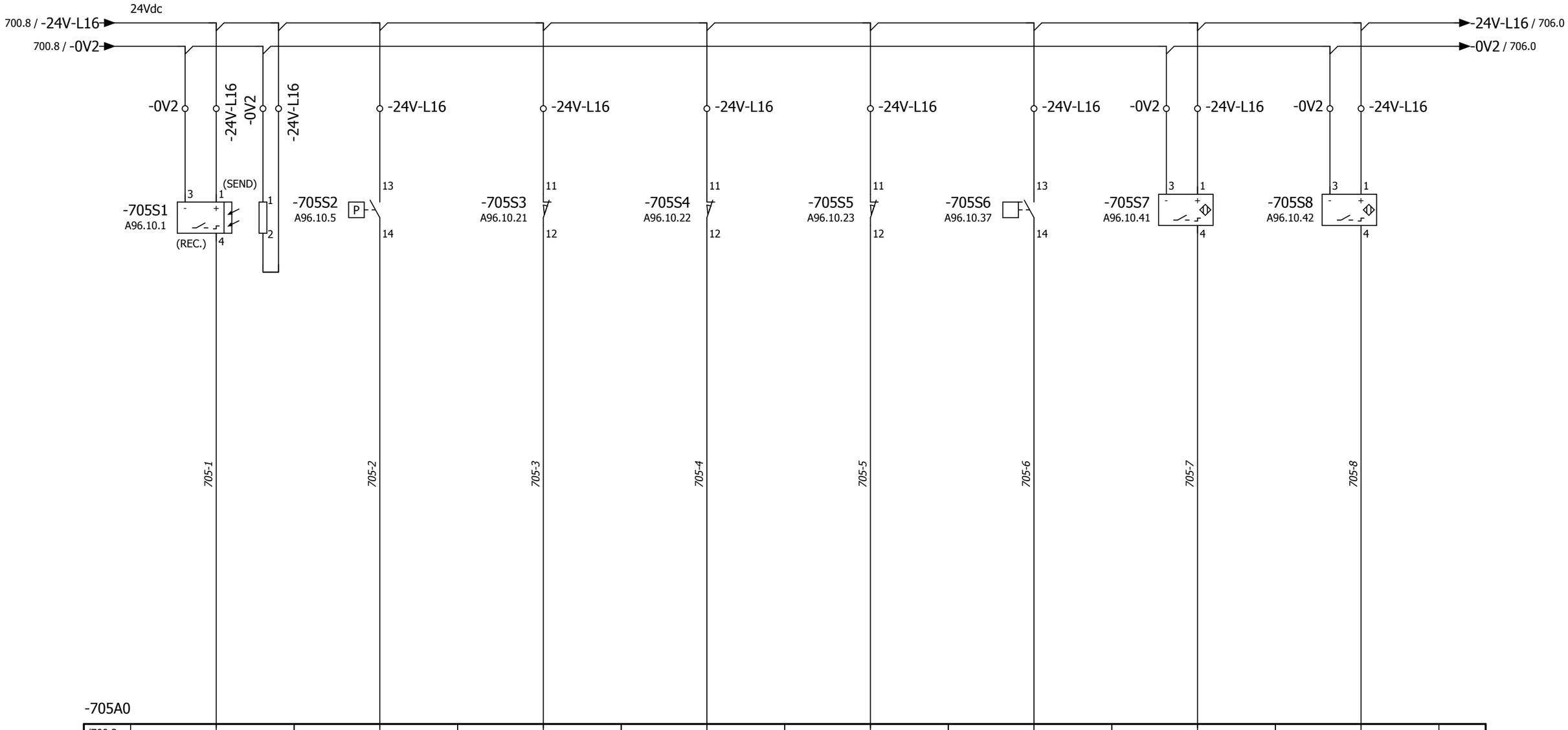


00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUT FIELD
				Drawn	TPM			
				Check	ALE			
Rev.	Descript.	Date	Name	Original				Descript.

NOVASTILMEC A96		= A96	
		+ **PLC**	
Job Nr.	Dwg.Nr. A96	Page	**593**
		Follow	+Q20/700



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION JB LEVELLER	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **Q20**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **700**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 705



-705A0

/700.2	1	5	2	6	3	7	4	8
	MATERIAL PRESENCE ENTRY LEVELLER	LEVELLER BRAKE MIN. AIR PRESSURE	LEVELLER MAX UP (+72,5mm)	LEVELLER MAX DOWN (-7,5mm)	LEVELLER MAX DOWN (-5,5mm)	LEVELLER LUBRICATION PRESENCE OIL CARDAN SHAFT	LEVELLER CARDAN SHAFT EXTRACTION POSITION	LEVELLER INTRODUZIONE BUSSOLA POSITION
	E76.0	E76.1	E76.2	E76.3	E76.4	E76.5	E76.6	E76.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

NOVASTILMEC A96

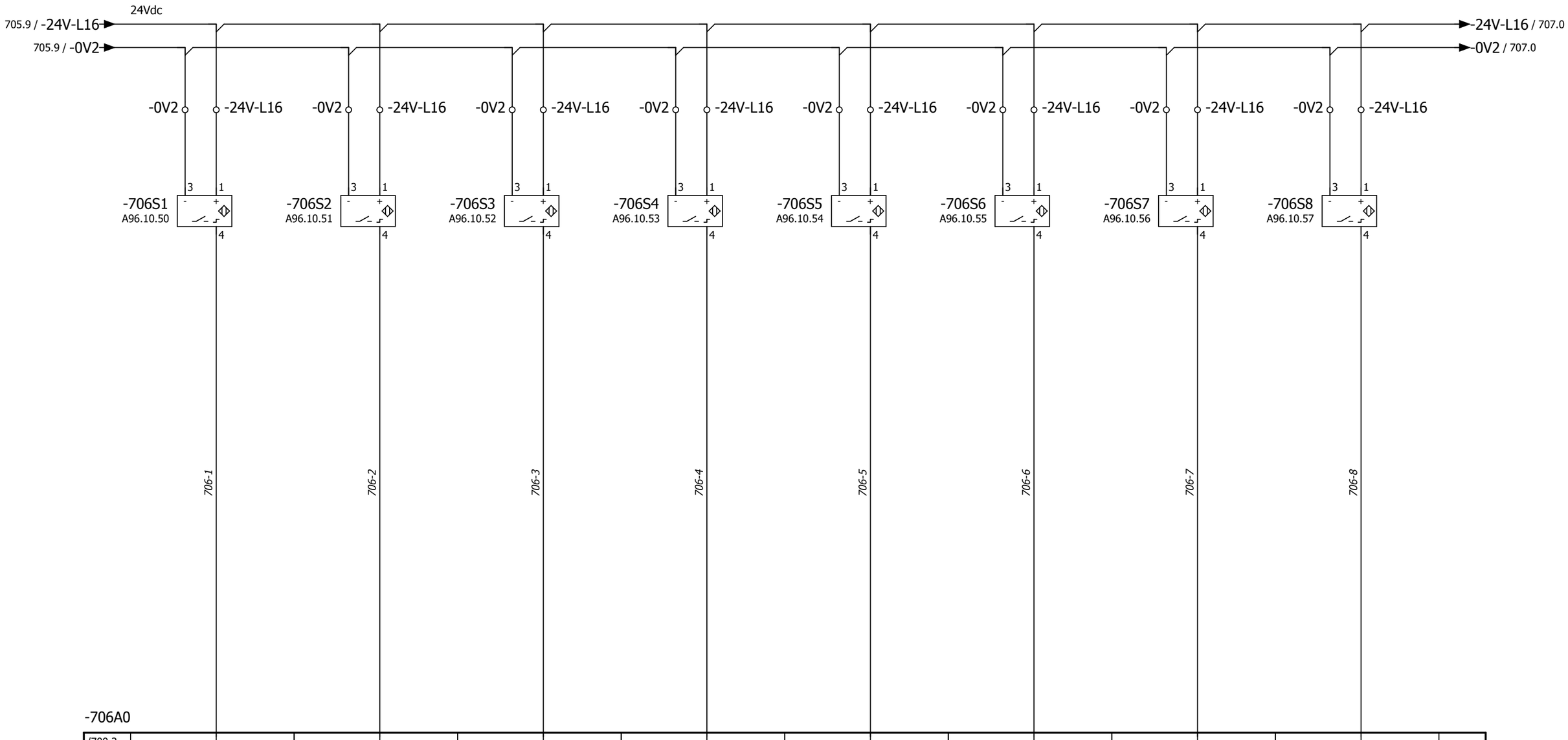
= A96
+ **Q20**

Job Nr.

Dwg.Nr. A96

Page **705**

Follow 706



-706A0

/700.2	1	5	2	6	3	7	4	8
	LEVELLER LOOK UPPER PACK ROLL O.S. ENTRY	LEVELLER LOOK UPPER PACK ROLL O.S. EXIT	LEVELLER LOOK UPPER PACK ROLL M.S. ENTRY	LEVELLER LOOK UPPER PACK ROLL M.S. EXIT	LEVELLER UNLOOK UPPER PACK ROLL O.S. ENTRY	LEVELLER UNLOOK UPPER PACK ROLL O.S. EXIT	LEVELLER UNLOOK UPPER PACK ROLL M.S. ENTRY	LEVELLER UNLOOK UPPER PACK ROLL M.S. EXIT
	E77.0	E77.1	E77.2	E77.3	E77.4	E77.5	E77.6	E77.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

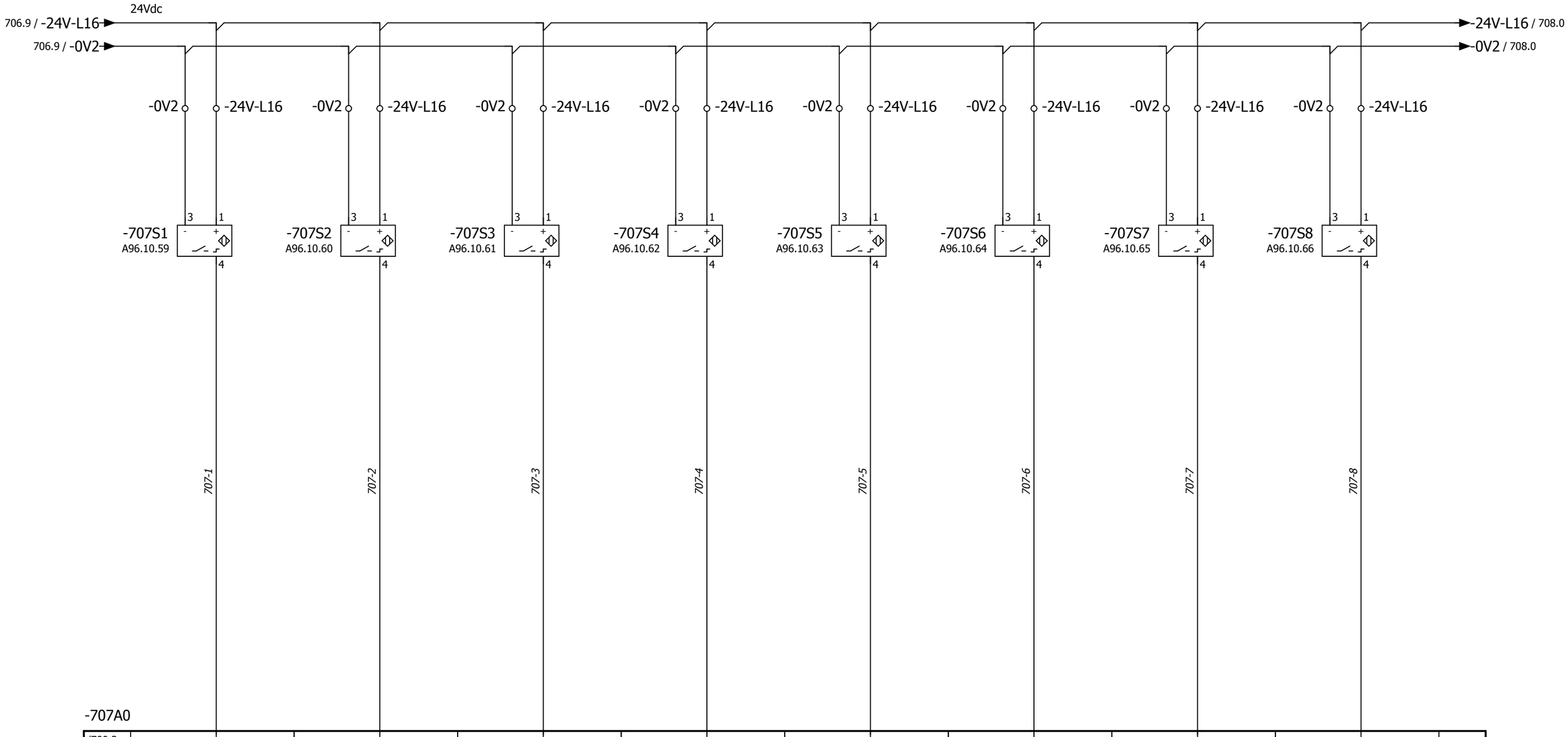
Job Nr.

Dwg.Nr. A96

= A96
+ **Q20**

Page **706**

Follow 707



-707A0

/700.3

1	5	2	6	3	7	4	8
LEVELLER LOWER PACK ROLL DOWN/LOCKED O.S. ENTRY	LEVELLER LOWER PACK ROLL UP/UNLOCKED O.S. ENTRY	LEVELLER LOWER PACK ROLL DOWN/LOCKED M.S. ENTRY	LEVELLER LOWER PACK ROLL UP/UNLOCKED M.S. ENTRY	LEVELLER LOWER PACK ROLL DOWN/LOCKED O.S. EXIT	LEVELLER LOWER PACK ROLL UP/UNLOCKED O.S. EXIT	LEVELLER LOWER PACK ROLL DOWN/LOCKED M.S. EXIT	LEVELLER LOWER PACK ROLL UP/UNLOCKED M.S. EXIT
E78.0	E78.1	E78.2	E78.3	E78.4	E78.5	E78.6	E78.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

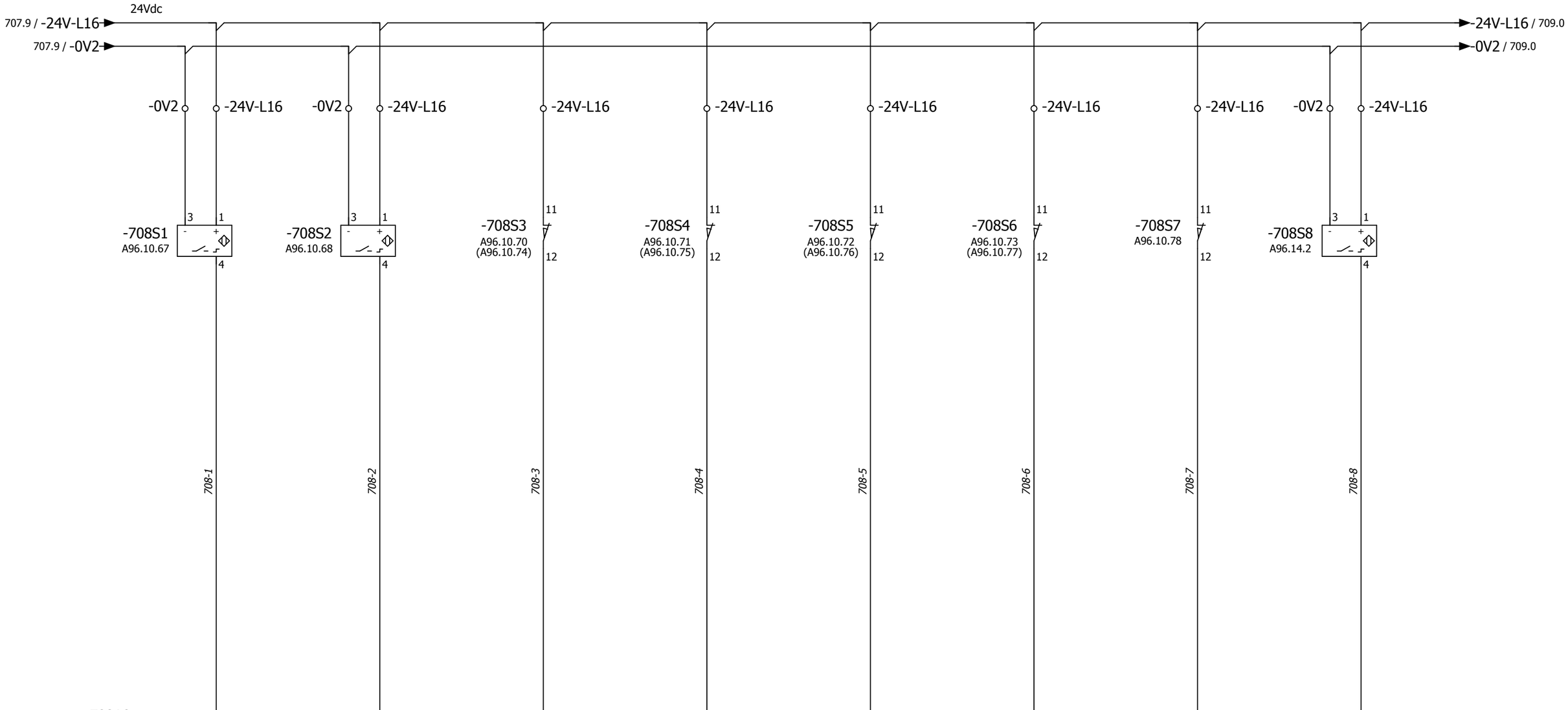
Descript.

NOVASTILMEC A96

= A96

+ **Q20**

Job Nr.	Dwg.Nr.	Page	**707**
	A96	Follow	708



-708A0

/700.3	1	5	2	6	3	7	4	8
	BANCATA INSERITA NELLA SPIANATRICE	BANCATA 19 RULLI INSERITA NELLA SPIANATRICE	LEVELLER CONTROL GREASE DISTRIBUTION HIGH PACK ROLL O.S.	LEVELLER CONTROL GREASE DISTRIBUTION LOW PACK ROLL O.S.	LEVELLER CONTROL GREASE DISTRIBUTION HIGH PACK ROLL M.S.	LEVELLER CONTROL GREASE DISTRIBUTION LOW PACK ROLL M.S.	LEVELLER CONTROL LEVEL GREASE	LEVELLER CLEANING MOTOR MAX M.S.
	E79.0	E79.1	E79.2	E79.3	E79.4	E79.5	E79.6	E79.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

NOVASTILMEC A96

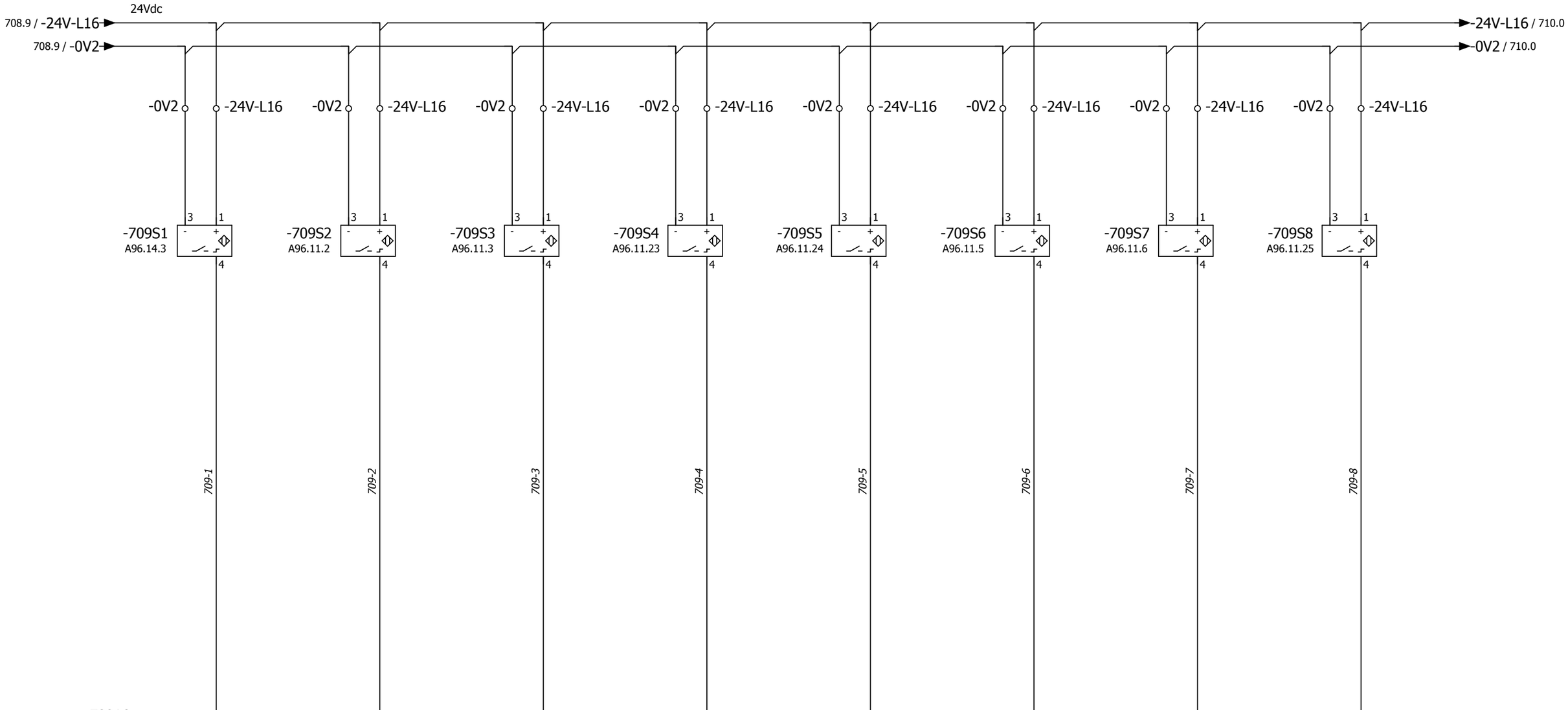
= A96
+ **Q20**

Job Nr.

Dwg.Nr. A96

Page **708**

Follow 709



-709A0

/700.3	1	5	2	6	3	7	4	8
	LEVELLER CLEANING MOTOR MAX O.S.	LEVELLER ROLLERS BENCH 19 ROLLS MAX INSIDE	LEVELLER ROLLERS BENCH 19 ROLLS MAX OUTSIDE	LEVELLER ROLLERS BENCH 19 ROLLS PIN ON / OFF	LEVELLER ROLLERS BENCH 19 ROLLS ON CAR 1	LEVELLER ROLLERS BENCH 21 ROLLS MAX INSIDE	LEVELLER ROLLERS BENCH 21 ROLLS MAX OUTSIDE	LEVELLER ROLLERS BENCH 21 ROLLS PIN ON / OFF
	E80.0	E80.1	E80.2	E80.3	E80.4	E80.5	E80.6	E80.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96

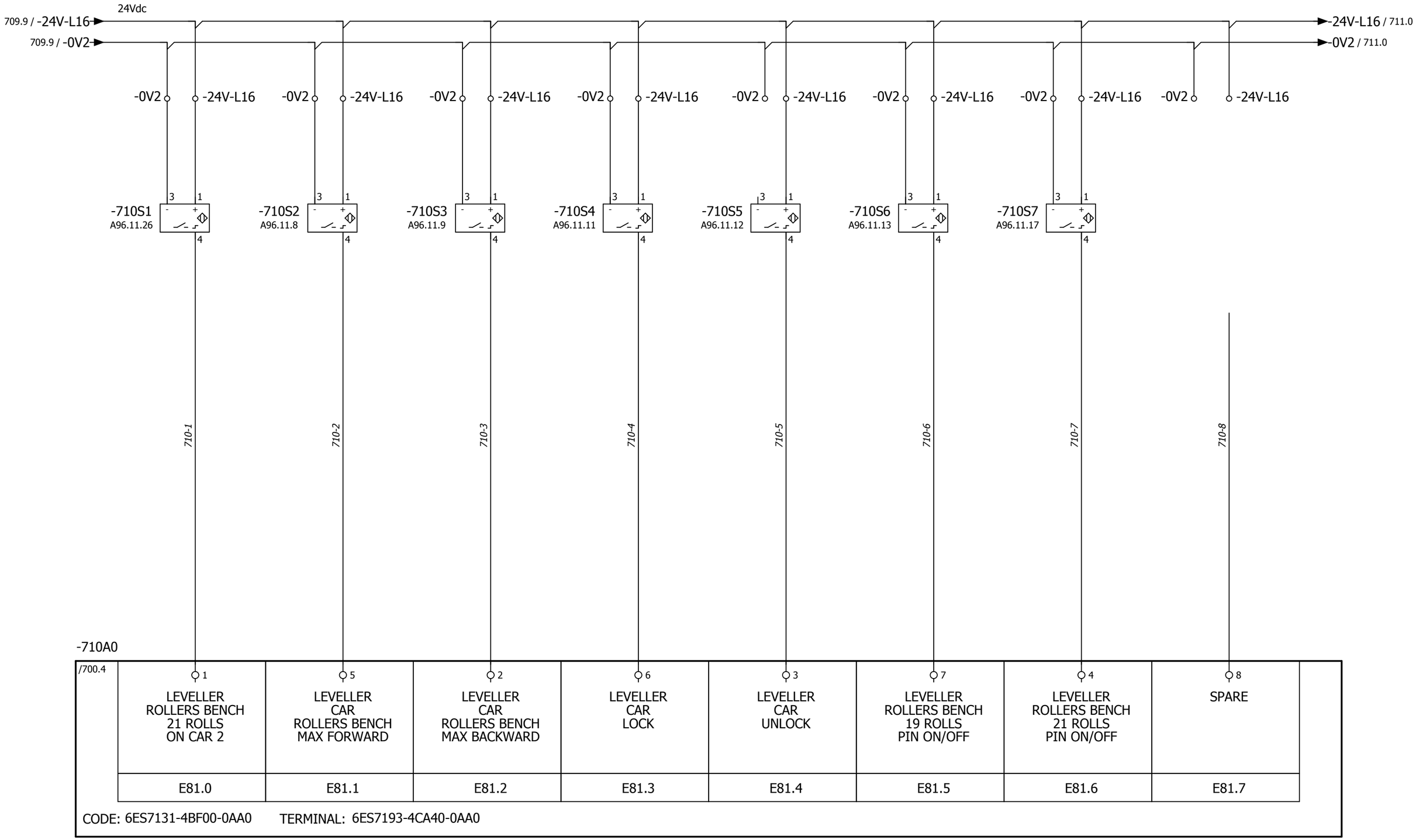
+ **Q20**

Job Nr.

Dwg.Nr. A96

Page **709**

Follow 710



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96

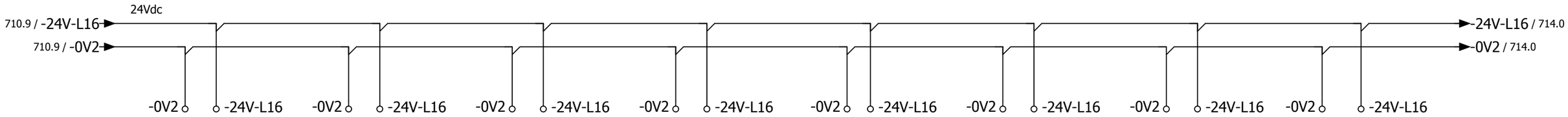
+ Q20

Job Nr.

Dwg.Nr. A96

Page 710

Follow 711



711-1 711-2 711-3 711-4 711-5 711-6 711-7 711-8

-711A0

/700.4

1	5	2	6	3	7	4	8
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
E82.0	E82.1	E82.2	E82.3	E82.4	E82.5	E82.6	E82.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

-714A0
/700.5

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A76.0	A76.1	A76.2	A76.3	A76.4	A76.5	A76.6	A76.7
LEVELLER BACK-UP ROLL 1 RAISE	LEVELLER BACK-UP ROLL 1 LOWER	LEVELLER BACK-UP ROLL 2 RAISE	LEVELLER BACK-UP ROLL 2 LOWER	LEVELLER BACK-UP ROLL 3 RAISE	LEVELLER BACK-UP ROLL 3 LOWER	LEVELLER BACK-UP ROLL 4 RAISE	LEVELLER BACK-UP ROLL 4 LOWER
1	5	2	6	3	7	4	8

711.9
-24V-L16

711.9
-0V2

24V-L16
715.0

0V2
715.0

714-1 714-3 714-5 714-7 714-9 714-11 714-13 714-15

-714A1

1 2 3 4 5 6 7 8

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

+ -

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc

+IL/192.5 / +IL-192-5 → -192-5 / 715.1

714-2 714-4 714-6 714-8 714-10 714-12 714-14 714-16

-X4.1 1 | -X4.1 2 | -X4.1 3 | -X4.1 4 | -X4.1 5 | -X4.1 6 | -X4.1 7 | -X4.1 8

-714Y1 A96.10.8 | -714Y3 A96.10.10 | -714Y5 A96.10.12 | -714Y7 A96.10.14

A1 A2 B1 B2

-X0V1 WDU4

+IL/192.6 -0V1 → -0V1 / 715.1

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS

Descript.

NOVASTILMEC A96

= A96
+ **Q20**

Job Nr.

Dwg.Nr. A96

Page **714**

Follow 715

-715A0
/700.5

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A77.0	A77.1	A77.2	A77.3	A77.4	A77.5	A77.6	A77.7
LEVELLER BACK-UP ROLL 5 RAISE	LEVELLER BACK-UP ROLL 5 LOWER	LEVELLER 1 UPPER PACK ROLL LOCKED	LEVELLER 1 UPPER PACK ROLL UNLOCKED	LEVELLER 1 LOWER PACK ROLL LOCKED	LEVELLER 1 LOWER PACK ROLL UNLOCKED	LEVELLER 1 GREASE LUBRICATION	LEVELLER 1 BRAKE
1	5	2	6	3	7	4	8

714.0
24V-L16

714.0
0V2

-715A1

715-1 715-3 715-5 715-7 715-9 715-11 715-13 715-15

1 2 3 4 5 6 7 8

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

\+ -

24V-L16
716.0

0V2
716.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc

714.9 / -192-5 → -192-5 / 716.1

+IL/195.2 / +IL-24V-Z12 → -24V-Z12 / 716.1

715-2 715-4 715-6 715-8 715-10 715-12 715-14 715-16

-X4.1 9 -X4.1 10 -X4.1 11 -X4.1 12 -X4.1 13 -X4.1 14 -X4.1 15 -X4.1 16

	-715Y1	-715Y3	-715Y5	-715Y7	-715Y8
	A96.10.16	A96.10.49	A96.10.58	A96.10.69	A96.10.4
	A1 / A2	A1 / A2	A1 / A2	x1 / x2	x1 / x2
	B1 / B2	B1 / B2	B1 / B2		

-X0V1 WDU4

714.9 / -0V1 → -0V1 / 716.1

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS

Descript.

NOVASTILMEC A96

= A96
+ Q20

Job Nr.

Dwg.Nr. A96

Page 715
Follow 716

-716A0
/700.5

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A78.0	A78.1	A78.2	A78.3	A78.4	A78.5	A78.6	A78.7
movimento verticale di blocco carro traslazione bancata carrello 1 e 2	movimento verticale di sblocco carro traslazione bancata carrello 1 e 2	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
1	5	2	6	3	7	4	8

715.0
24V-L16

715.0
0V2

-716A1

716-1 716-3 716-5 716-7 716-9 716-11 716-13 716-15

1 2 3 4 5 6 7 8

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

+ -

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc

715.9 / -192-5 → -192-5 /

715.9 / -24V-Z12 → -24V-Z12 /

716-2 716-4 716-6 716-8 716-10 716-12 716-14 716-16

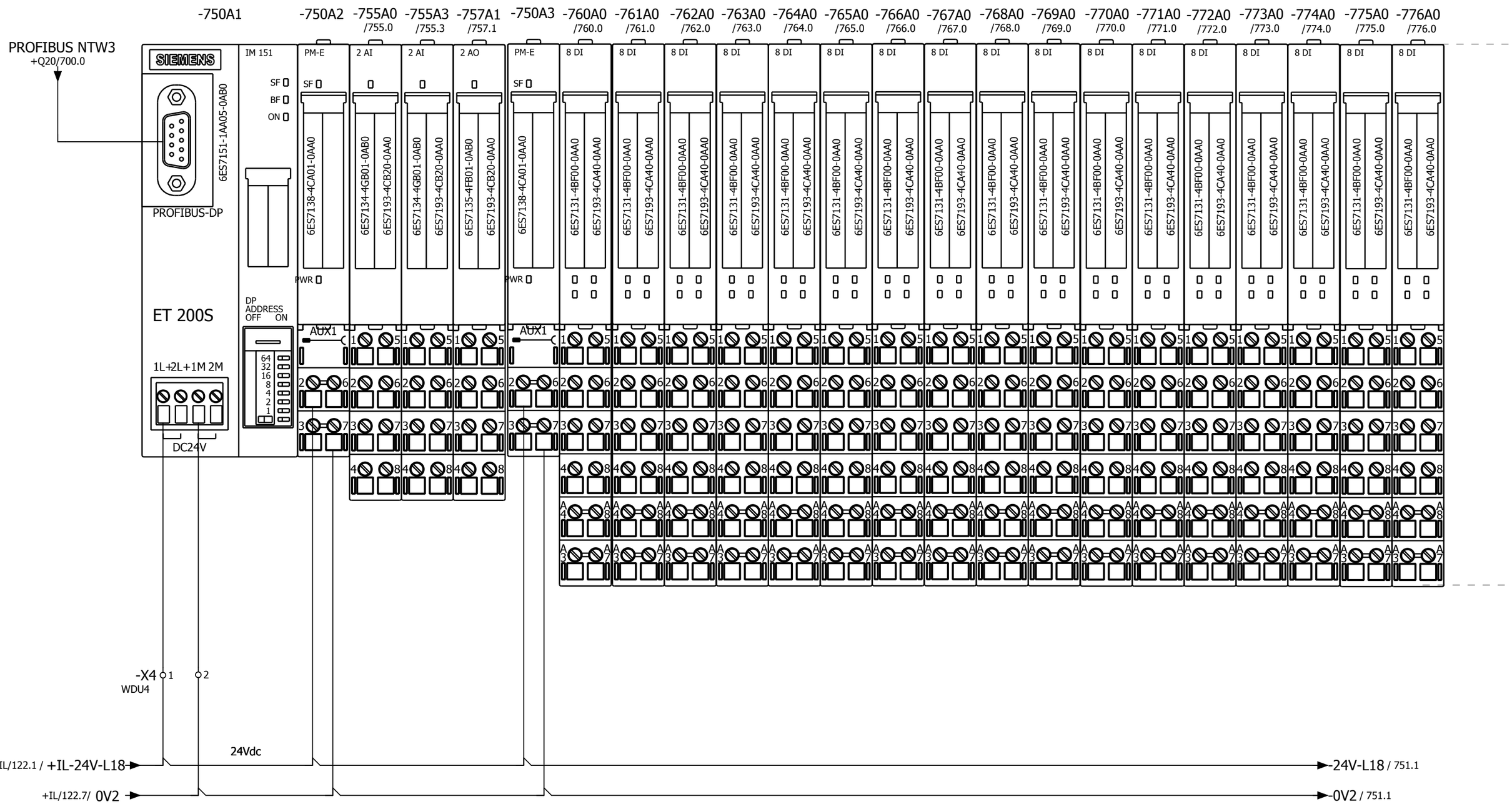
-X4.1 17 | -X4.1 18 | -X4.1 19 | -X4.1 20 | -X4.1 21 | -X4.1 22 | -X4.1 23 | -X4.1 24

-716Y1
A96.11.10
A1 A2 B1 B2

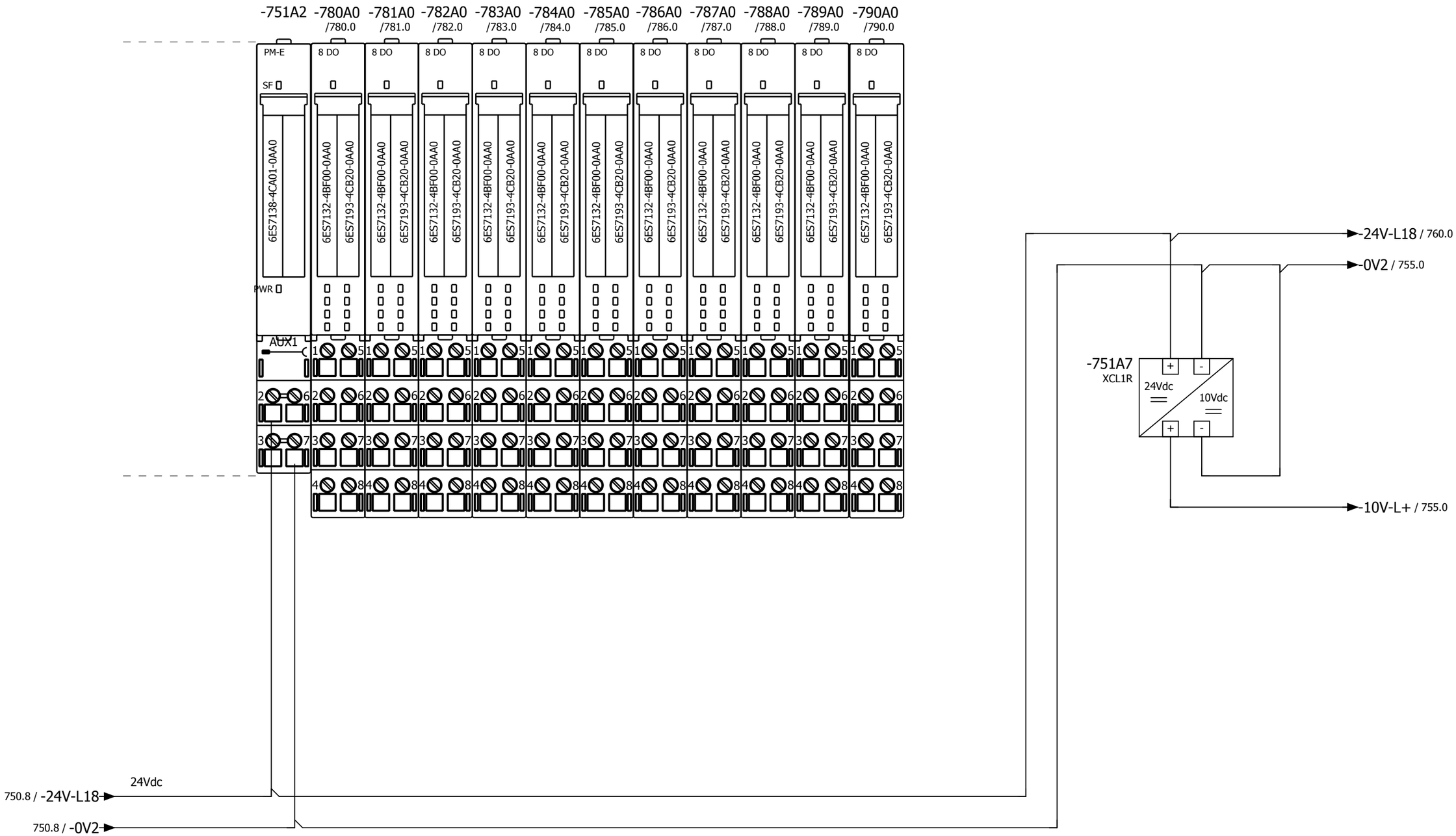
-X0V1 WDU4 (×8)

715.9 / -0V1 → -0V1 /

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUTS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **Q20**
				Check	ALE				Job Nr. / Dwg.Nr. A96	Page **716**
Rev.	Descript.	Date	Name	Original				Descript.		Follow +Q21/750



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION STACKER BOARD	NOVASTILMEC A96	= A96	
				Drawn	TPM					+ **Q21**	
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page **750**
Rev.	Descript.	Date	Name	Original				Descript.			Follow 751



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION STACKER BOARD	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **Q21**
				Check	ALE				Job Nr. / Dwg.Nr. A96	Page **751**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 755

10Vdc

751.8 / -10V-L+ → -10V-L+ /

751.8 / -0V2 → -0V2 / 760.0

-X4 3 4 WDU4

-X4 5 6 WDU4

-X4 7 8 WDU4

-X4 9 10 WDU4

-755R1
A96.24.4
Type ....
x1 x2 x3

-755R2
A96.25.4
Type ....
x1 x2 x3

755-1

755-2

755-3

755-4

755-5

755-6

-755A0

/750.2

1/+	2/-	3/PE	4/n.c.	5/+	6/-	7/PE	8/n.c.
controllo corsa verticale della rulliera formapacco impilatore 1° scelta 1° box				controllo corsa verticale della rulliera formapacco impilatore 1° scelta 2° box			
PEW 380				PEW 382			

CODE: 6ES7134-4GB01-0AB0 TERMINAL: 6ES7193-4CB20-0AA0

-755A3

/750.2

1/+	2/-	3/PE	4/n.c.	5/+	6/-	7/PE	8/n.c.
SPARE				SPARE			
PEW 384				PEW 386			

CODE: 6ES7134-4GB01-0AB0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

ANALOG INPUTS

Descript.

NOVASTILMEC A96

= A96

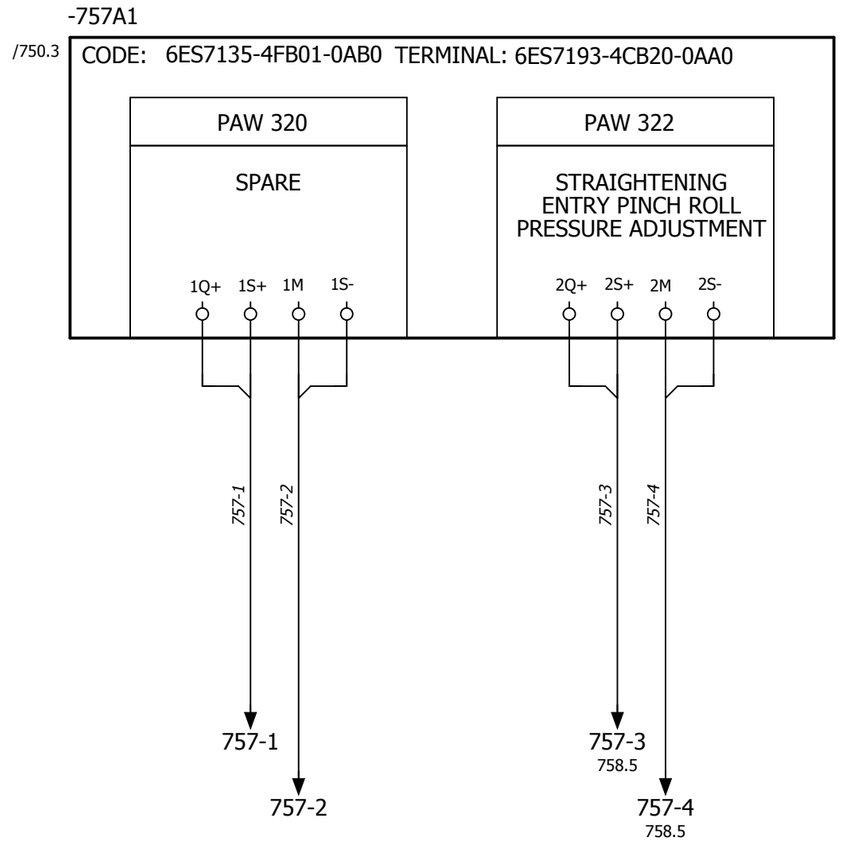
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **755**

Follow 757



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	ANALOG OUTPUTS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **Q21**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **757**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 758

24Vdc

+IL/192.7 / +IL-24V-Z3 → -24V-Z3 / 780.1

+IL/192.7 -0V1 → -0V1 / 780.1

757.3
757-3

757.3
757-4

-758A4

Z		B
02	02	02
04	04	04
06	06	06
08	08	08
10	10	10
12	12	12
14	14	14
16	16	16
18	18	18
20	20	20
22	22	22
24	24	24
26	26	26
28	28	28
30	30	30
32	32	32

758-1

758-2

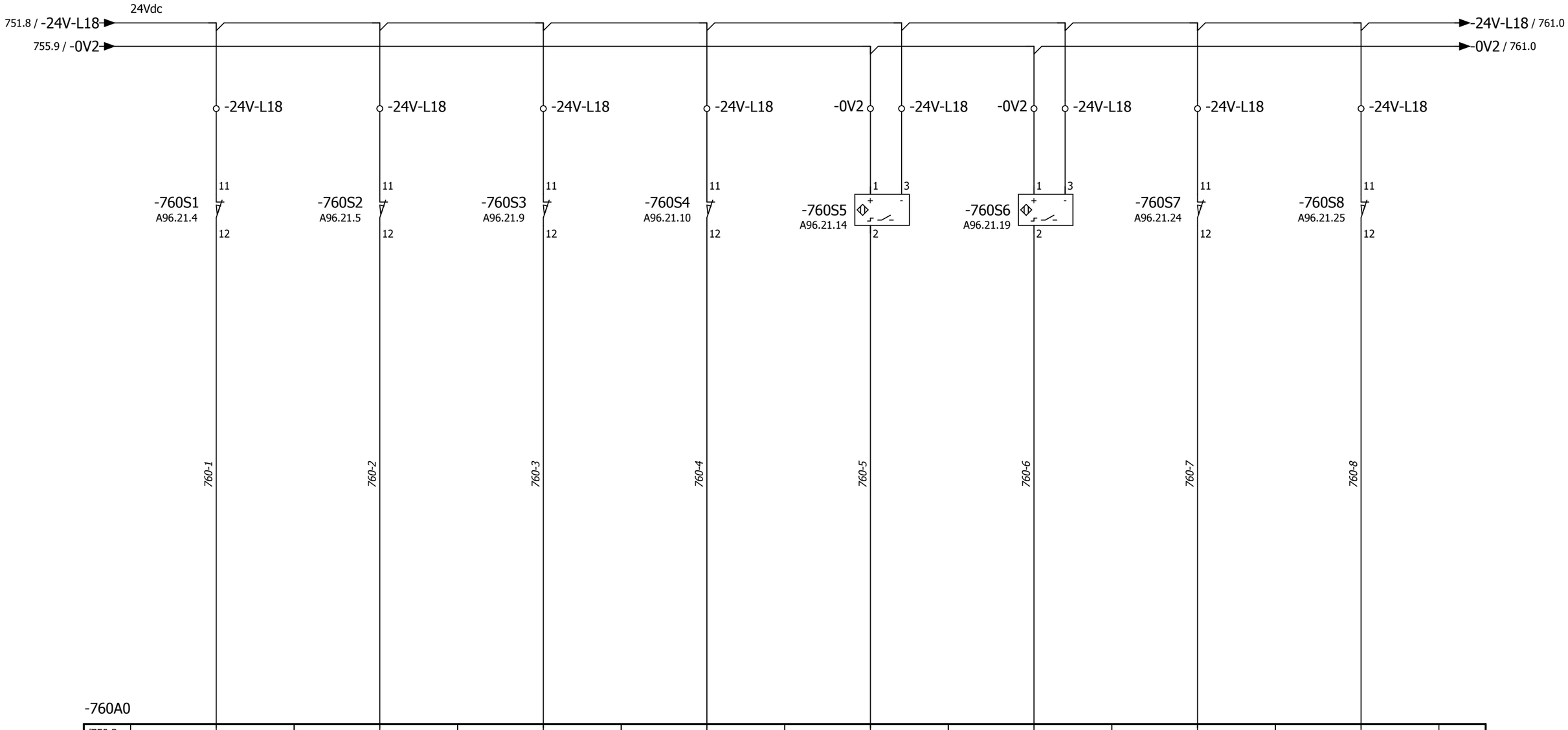
-758Y5
A96.23.97

x1

x2

regolazione pressione
di ammortizzazione
in base alle dimensioni
del foglio carro mobile
di testa impilatore 1° scelta 2° box

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	ANALOG OUTPUTS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ Q21
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page 758
Rev.	Descript.	Date	Name	Original				Descript.			Follow 760



-760A0

/750.3	1	5	2	6	9	13	10	14
	STACKER 2° SCELTA BEAMS O.S. MAX OPEN	STACKER 2° SCELTA BEAMS O.S. MAX CLOSED	STACKER 2° SCELTA BEAMS M.S. MAX OPEN	STACKER 2° SCELTA BEAMS M.S. MAX CLOSED	STACKER 2° SCELTA SUPPORT PLATE POSITION O.S.	STACKER 2° SCELTA SUPPORT PLATE POSITION M.S.	STACKER 2° SCELTA MOBILE CARRIAGE MAX FORWARD	STACKER 2° SCELTA MOBILE CARRIAGE MAX BACKWARD
	E96.0	E96.1	E96.2	E96.3	E96.4	E96.5	E96.6	E96.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

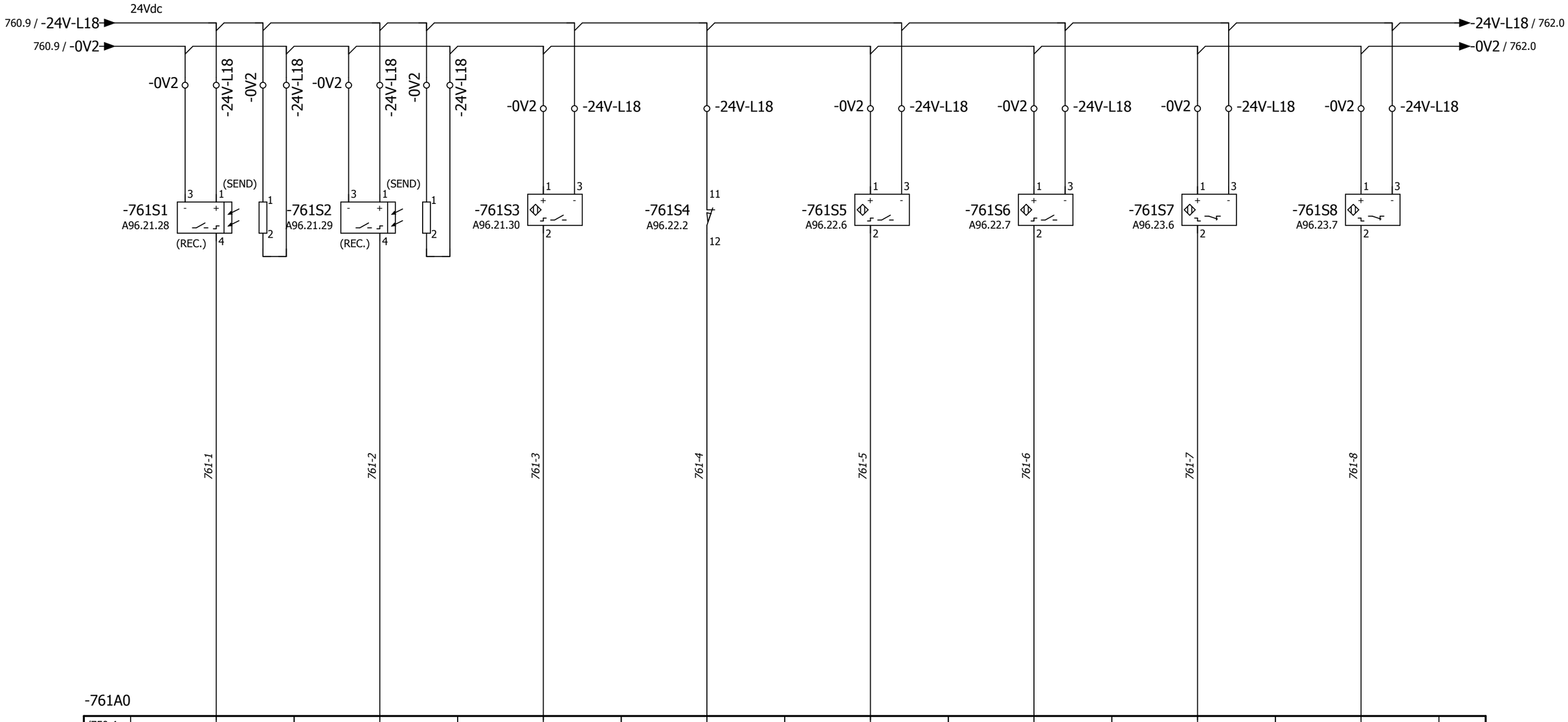
Descript.

NOVASTILMEC A96

= A96

+ **Q21**

Job Nr.	Dwg.Nr.	Page	**760**
	A96	Follow	761



-761A0

/750.4	1	5	2	6	3	7	4	8
	discesa automatica della rulliera forma pacco al crescere del pacco e massimo alto rulliera formapacco	posizione massimo alto rulliera formapacco con fogli differenti larghezze	Posizionato nel riscontro fisso	STACKER 2° SCELTA PACKAGE ROLL MAX DOWN	STACKER 2° SCELTA PACKAGE ROLL MAX OUT TRASLATION	STACKER 2° SCELTA PACKAGE ROLL MAX IN TRASLATION	STACKER ENTRY PINCH ROLL MAX UP	STACKER ENTRY PINCH ROLL MAX DOWN
	E97.0	E97.1	E97.2	E97.3	E97.4	E97.5	E97.6	E97.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name	Original	
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

NOVASTILMEC A96

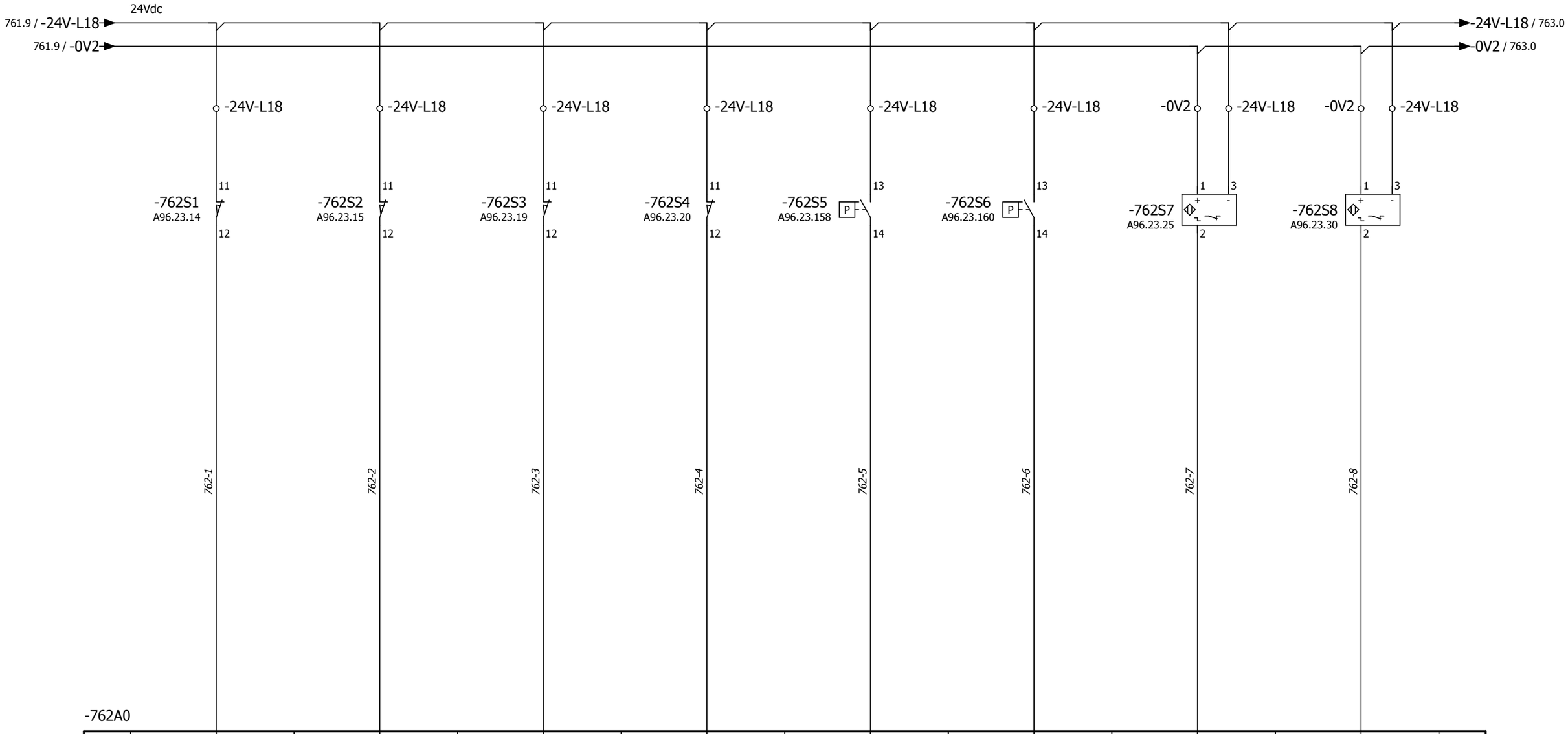
= A96
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **761**

Follow 762



-762A0

/750.4	1	5	2	6	3	7	4	8
	ENTRY STACKER 1° SCELTA SUPPORT PLATE MAX OPEN	ENTRY STACKER 1° SCELTA SUPPORT PLATE MAX CLOSED	EXIT STACKER 1° SCELTA SUPPORT PLATE MAX OPEN	EXIT STACKER 1° SCELTA SUPPORT PLATE MAX CLOSED	MIN AIR PRESSURE BRAKE O.S. longheroni	MIN AIR PRESSURE BRAKE M.S. longheroni	STACKER 1° SCELTA SUPPORT PLATE POSITION O.S.	STACKER 1° SCELTA SUPPORT PLATE POSITION M.S.
	E98.0	E98.1	E98.2	E98.3	E98.4	E98.5	E98.6	E98.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96

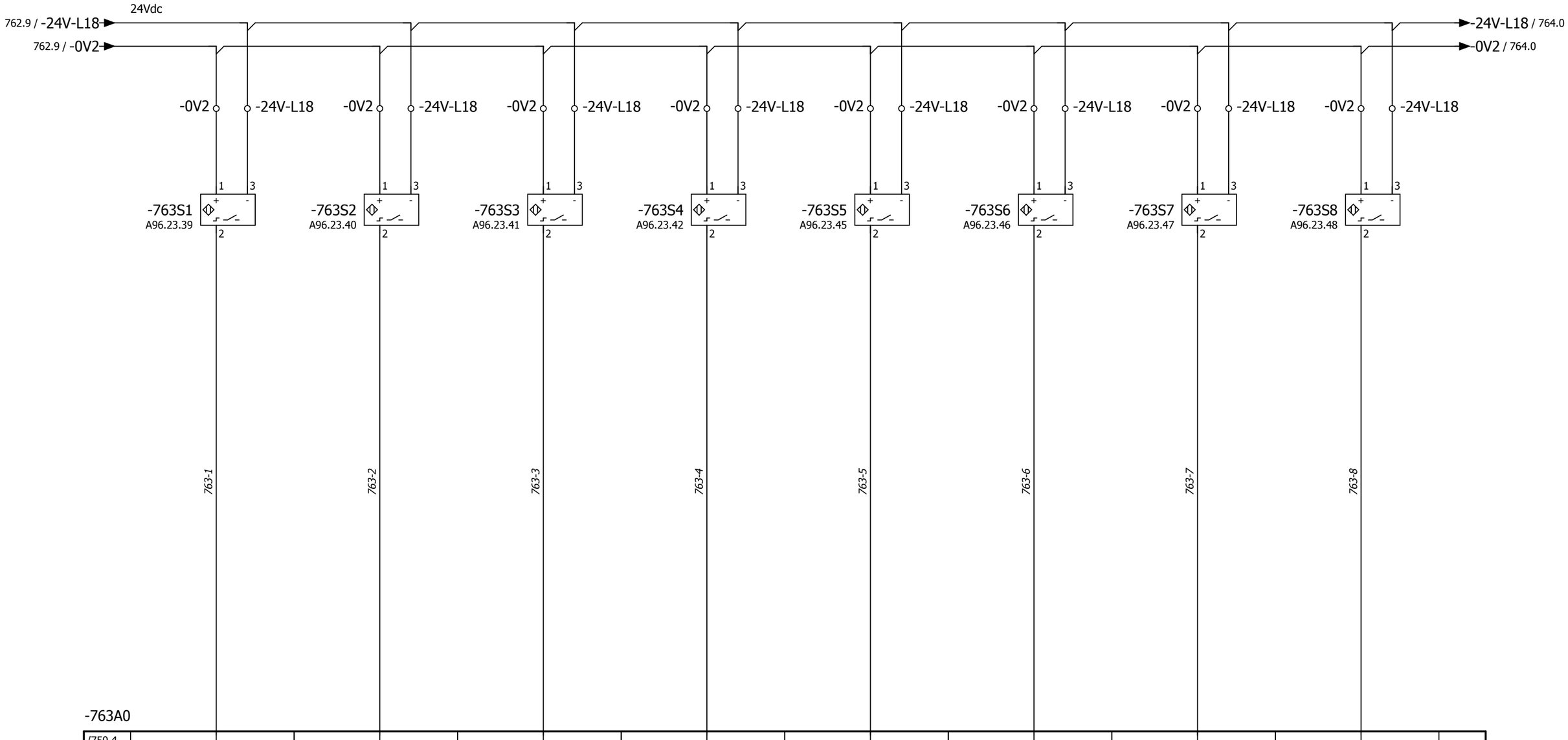
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **762**

Follow 763



-763A0

/750.4

1	5	2	6	3	7	4	8
pos alta del 1°nastro trasporto foglio l.o. impilatore 1° scelta da 1° box a 2° box ingresso	pos alta del 1°nastro trasporto foglio l.o. impilatore 1° scelta da 1° box a 2° box uscita	pos bassa del 1°nastro trasporto foglio l.o. impilatore 1° scelta da 1° box a 2° box ingresso	pos bassa del 1°nastro trasporto foglio l.o. impilatore 1° scelta da 1° box a 2° box uscita	pos alta del 1°nastro trasporto foglio l.m. impilatore 1° scelta da 1° box a 2° box ingresso	pos alta del 1°nastro trasporto foglio l.m. impilatore 1° scelta da 1° box a 2° box uscita	pos bassa del 1°nastro trasporto foglio l.m. impilatore 1° scelta da 1° box a 2° box ingresso	pos bassa del 1°nastro trasporto foglio l.m. impilatore 1° scelta da 1° box a 2° box uscita
E99.0	E99.1	E99.2	E99.3	E99.4	E99.5	E99.6	E99.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

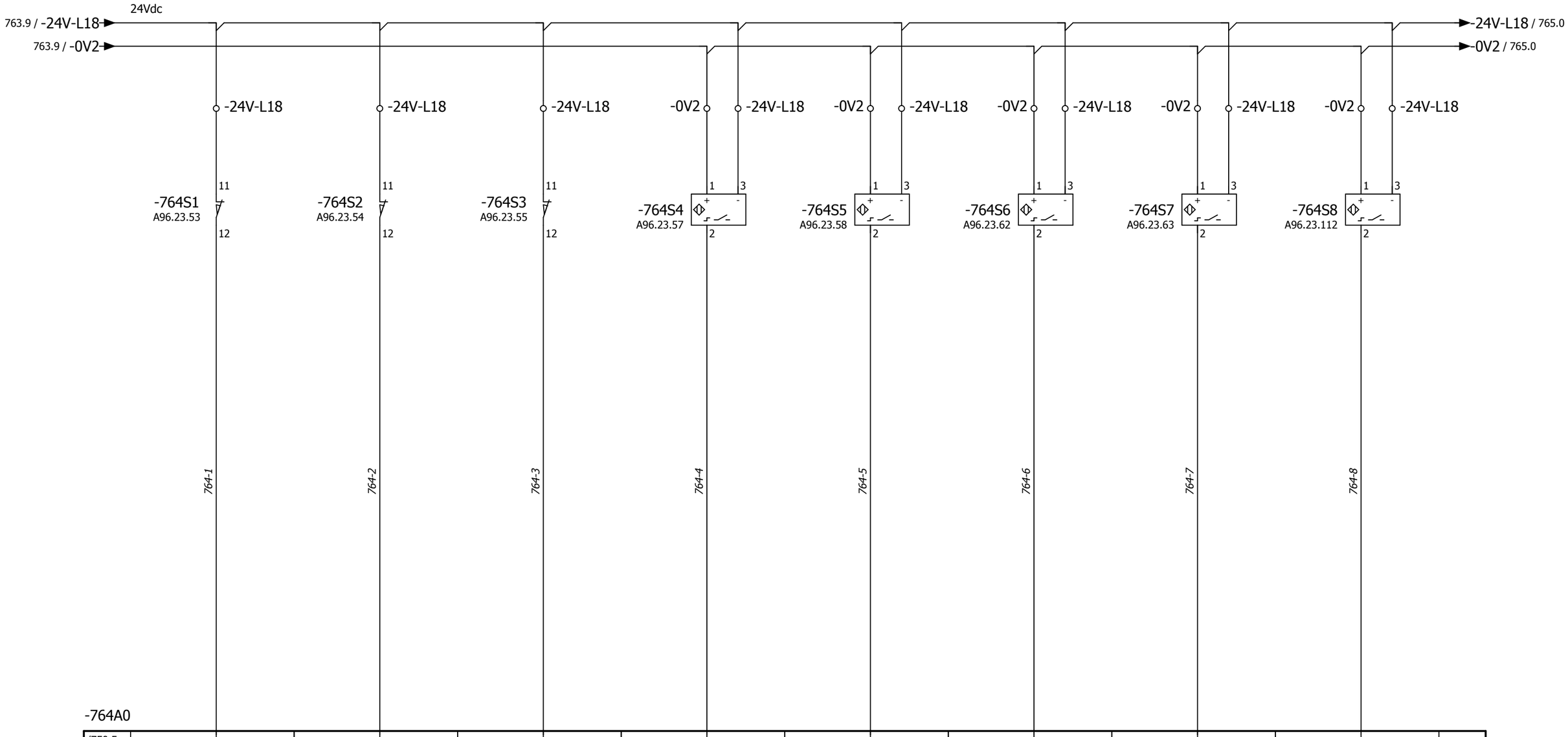
NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96		= A96
		+ **Q21**
Job Nr.	Dwg.Nr. A96	Page **763**
		Follow 764



-764A0

/750.5	1	5	2	6	3	7	4	8
	MOBILE CARRIAGE STACKER 1° scelta 1° BOX MAX BACKWARD	MOBILE CARRIAGE STACKER 1° scelta 1° BOX MAX FORKWARD	ANTICOLLISION tra carro mobile di testa 1° box e carro mobile di testa 2 ° box impilatore 1° scelta	posizione alta della testa ferma foglio impilatore 1° scelta 1° box	posizione bassa della testa ferma foglio impilatore 1° scelta 1° box	posizione dentro del limitatore corsa pareggiatore l.o. posteriore impilatore 1° scelta 1° box	posizione fuori del limitatore corsa pareggiatore l.o. posteriore impilatore 1° scelta 1° box	posizione dentro del limitatore corsa pareggiatore l.o. posteriore impilatore 1° scelta 1° box
	E100.0	E100.1	E100.2	E100.3	E100.4	E100.5	E100.6	E100.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

NOVASTILMEC A96

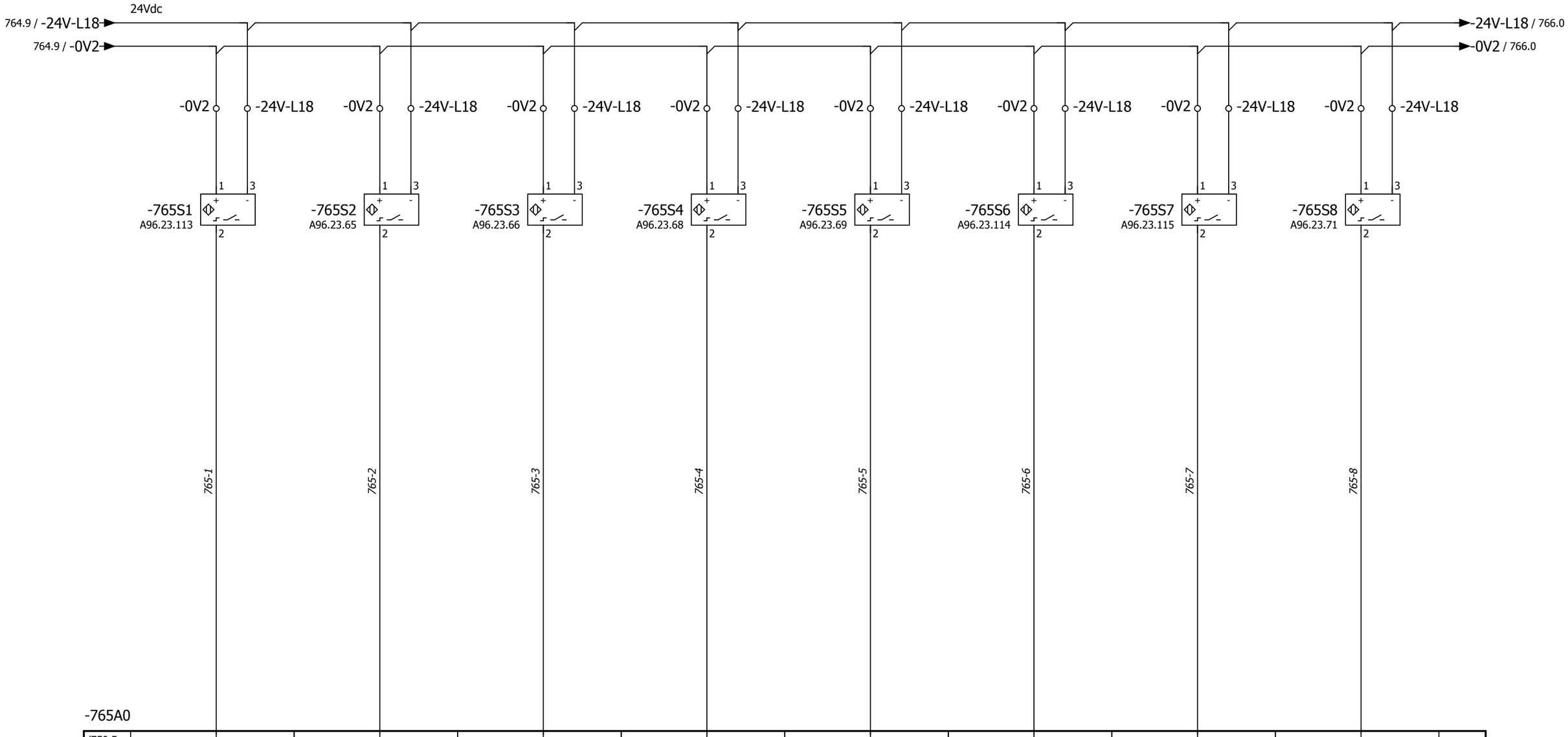
= A96
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **764**

Follow 765



-765A0

/750.5	1	5	2	6	3	7	4	8
	posizione fuori del limitatore corsa pareggiatore l.o. posteriore impilatore 1° scelta 1° box	paratia O.S. per sostegno lamiera UP POSITION	paratia O.S. per sostegno lamiera DOWN POSITION	posizione dentro del limitatore corsa pareggiatore M.S. posteriore impilatore 1° scelta 1° box (1° tratto)	posizione fuori del limitatore corsa pareggiatore M.S. posteriore impilatore 1° scelta 1° box (1° tratto)	posizione dentro del limitatore corsa pareggiatore M.S. posteriore impilatore 1° scelta 1° box (2° tratto)	posizione fuori del limitatore corsa pareggiatore M.S. posteriore impilatore 1° scelta 1° box (2° tratto)	posizione alta della paratia m.s. anteriore per sostegno lamiera
	E101.0	E101.1	E101.2	E101.3	E101.4	E101.5	E101.6	E101.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

NOVASTILMEC A96

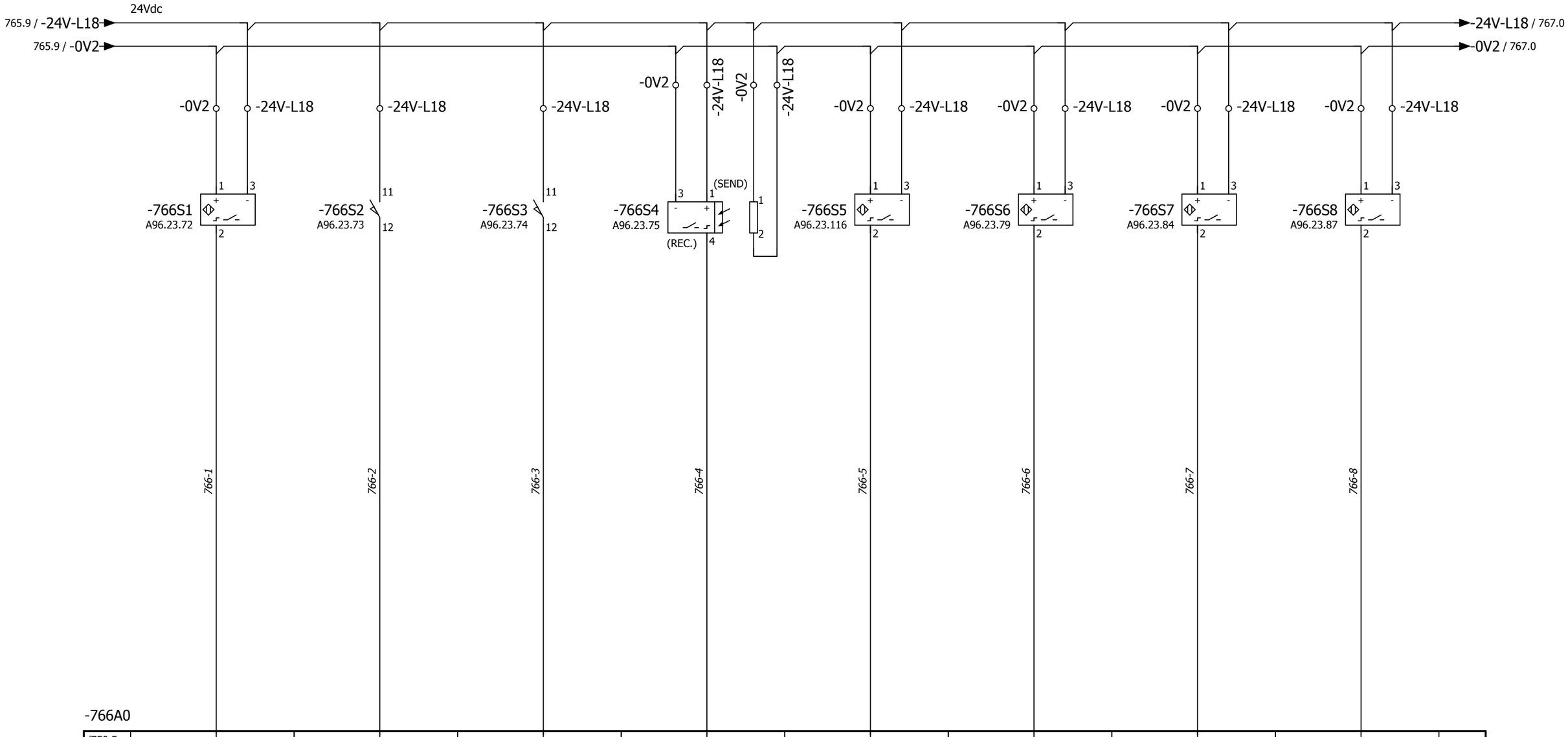
= A96
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **765**

Follow 766

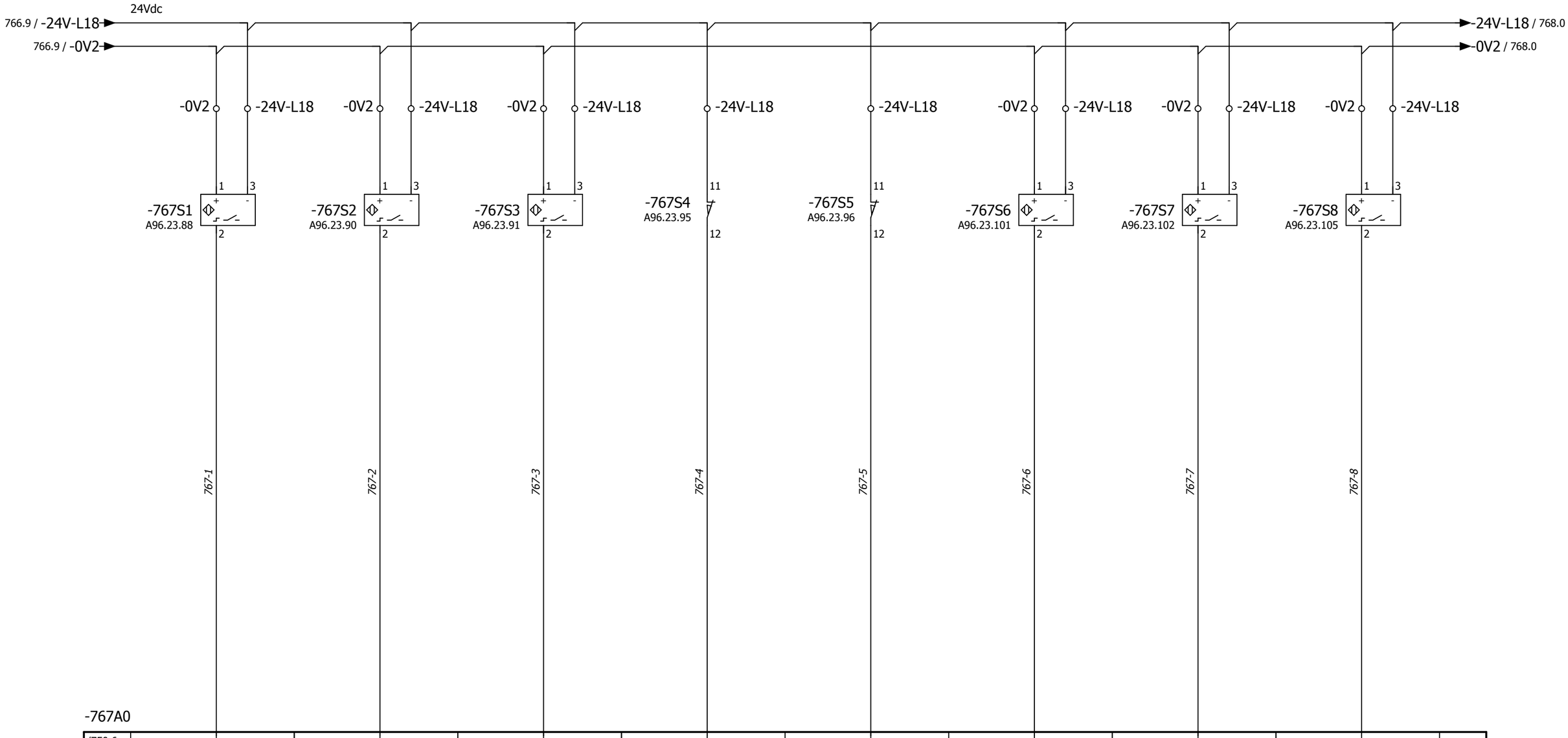


-766A0

/750.5	1	5	2	6	3	7	4	8
	posizione bassa della paratia m.s. anteriore per sostegno lamiera	controllo arrivo foglio in ingresso impilatore 1° scelta lato operatore	controllo arrivo foglio in ingresso impilatore 1° scelta lato motore	discesa automatica della rulliera forma pacco impilatore 1° scelta 1° box al crescere del pacco	Posizionato nel riscontro fisso	presa posizione supporto foglio O.S. impilatore 1° scelta 2° box	presa posizione supporto foglio M.S. impilatore 1° scelta 2° box	OUT POSITION del riscontro di coda O.S. impilatore 1° scelta 2° box
	E102.0	E102.1	E102.2	E102.3	E102.4	E102.5	E102.6	E102.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL INPUTS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **Q21**
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page **766**
Rev.	Descript.	Date	Name	Original				Descript.			Follow 767



-767A0

/750.6	1	5	2	6	3	7	4	8
	IN POSITION del riscontro di coda O.S. impilatore 1° scelta 2° box	OUT POSITION del riscontro di coda M.S. impilatore 1° scelta 2° box	IN POSITION del riscontro di coda M.S. impilatore 1° scelta 2° box	MOBILE CAR 1°scelta 2° BOX MAX BACKWARD	MOBILE CAR 1°scelta 2° BOX MAX FORWARD	posizione dentro del limitatore corsa pareggiatore O.S. posteriore impilatore 1° scelta 2° box	posizione fuori del limitatore corsa pareggiatore O.S. posteriore impilatore 1° scelta 2° box	posizione dentro del limitatore corsa pareggiatore M.S. posteriore impilatore 1° scelta 2° box
	E103.0	E103.1	E103.2	E103.3	E103.4	E103.5	E103.6	E103.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96

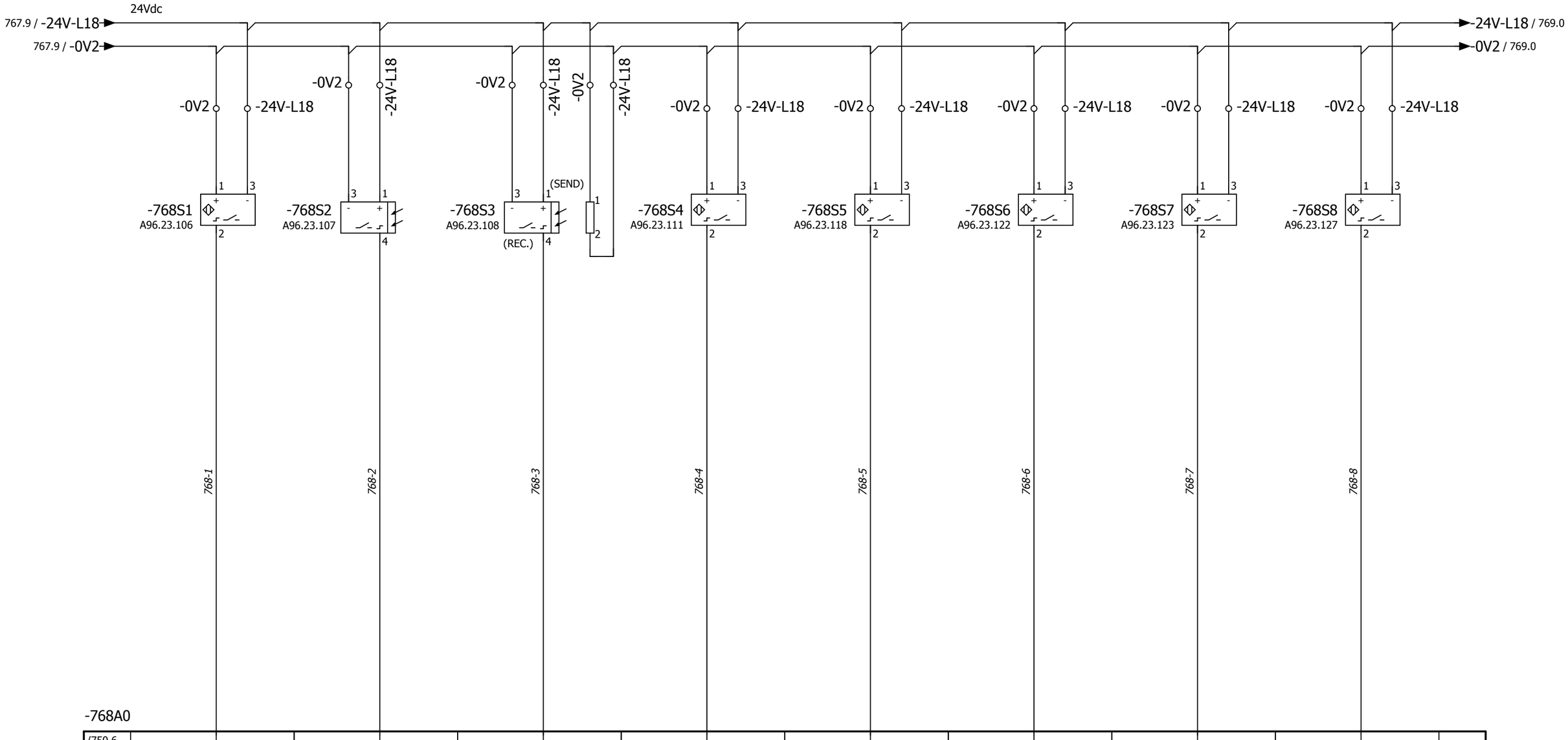
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **767**

Follow 768



-768A0

/750.6	1	5	2	6	3	7	4	8
	posizione fuori del limitatore corsa pareggiatore M.S. posteriore impilatore 1° scelta 2° box	materiale in arrivo per predisporre l'impilatore 2 al ricevimento dei fogli	discesa automatica della rulliera forma pacco impilatore 1° scelta 2° box	materiale in arrivo per predisporre l'impilatore 1° scelta 2° box al ricevimento dei fogli	Posizionato nel riscontro fisso rulliera formapacco 2° box	posizione esclusa supporto foglio O.S. impilatore 1° scelta 1° box (2° tratto)	posizione inclusa supporto foglio O.S. impilatore 1° scelta 1° box (2° tratto)	posizione esclusa supporto foglio M.S. impilatore 1° scelta 1° box (2° tratto)
	E104.0	E104.1	E104.2	E104.3	E104.4	E104.5	E104.6	E104.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96

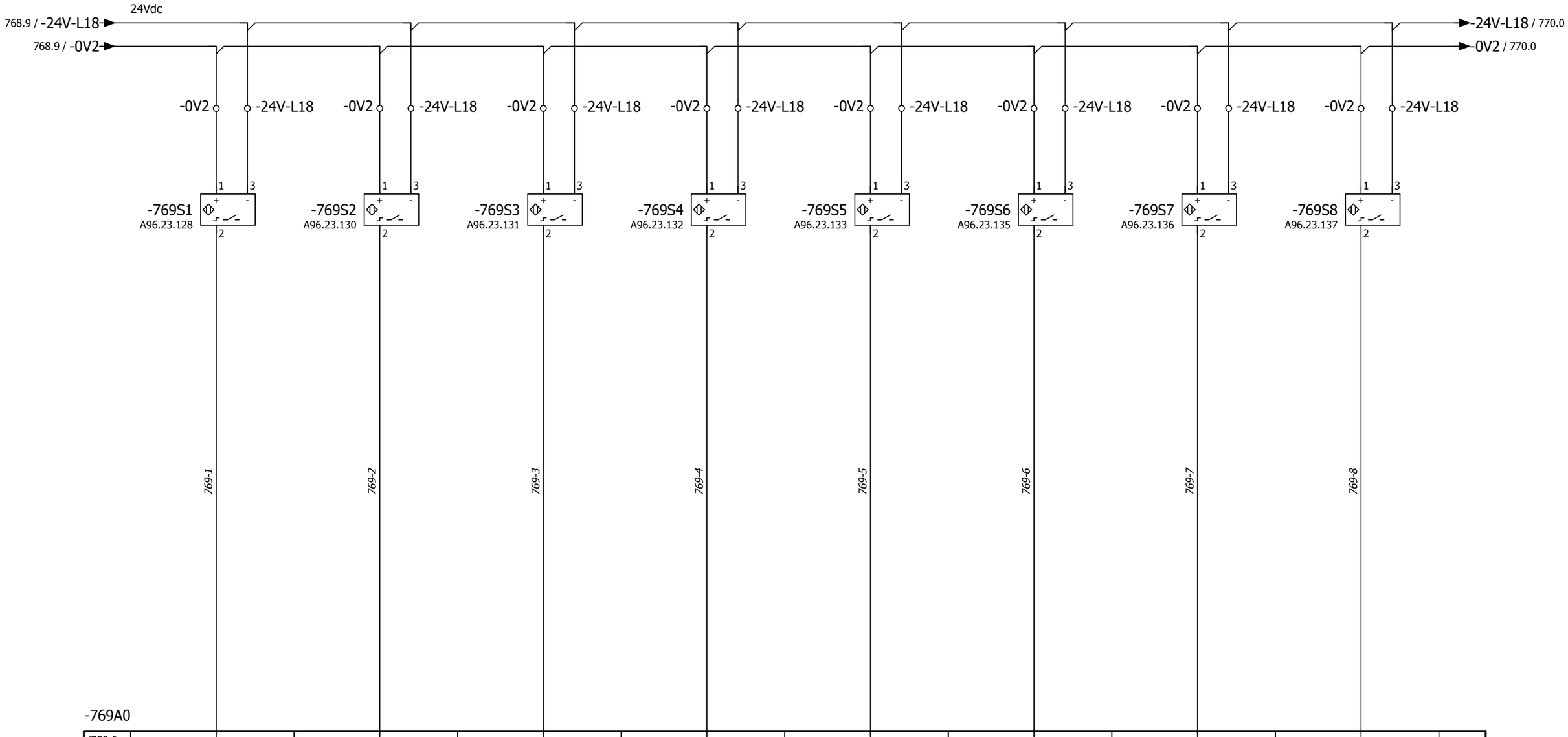
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **768**

Follow 769



-769A0

/750.6

1	5	2	6	3	7	4	8
posizione inclusa supporto foglio M.S. impilatore 1° scelta 1° box (2° tratto)	posizione fuori del centraggio pallet o.s. impilatore 1° scelta 1° box (1° tratto)	posizione dentro del centraggio pallet o.s. impilatore 1° scelta 1° box (1° tratto)	posizione fuori del centraggio pallet o.s. impilatore 1° scelta 1° box (2° tratto)	posizione dentro del centraggio pallet o.s. impilatore 1° scelta 1° box (2° tratto)	posizione fuori del centraggio pallet m.s. impilatore 1° scelta 1° box (1° tratto)	posizione dentro del centraggio pallet m.s. impilatore 1° scelta 1° box (1° tratto)	posizione fuori del centraggio pallet m.s. impilatore 1° scelta 1° box (2° tratto)
E105.0	E105.1	E105.2	E105.3	E105.4	E105.5	E105.6	E105.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

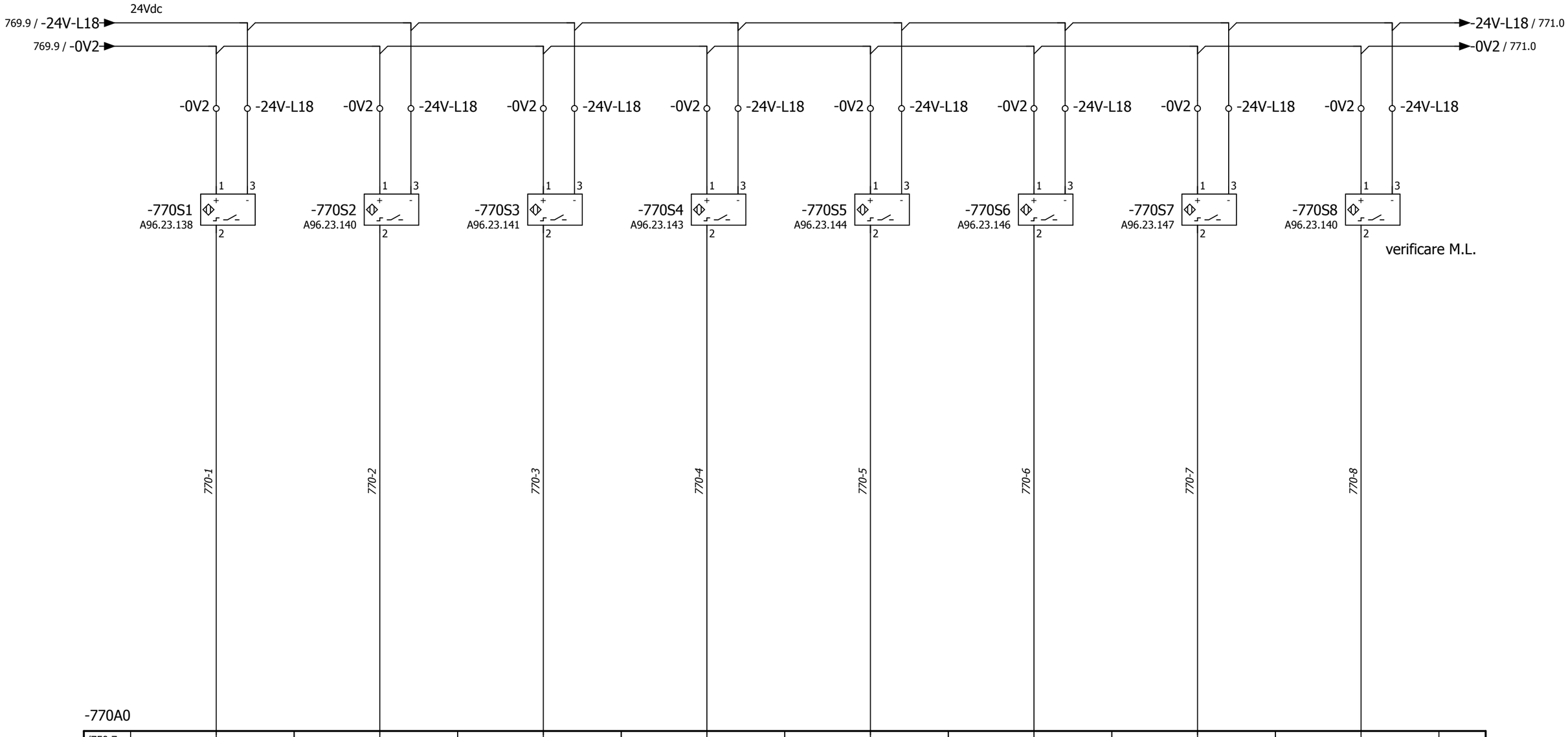
Descript.

NOVASTILMEC A96

= A96

+ **Q21**

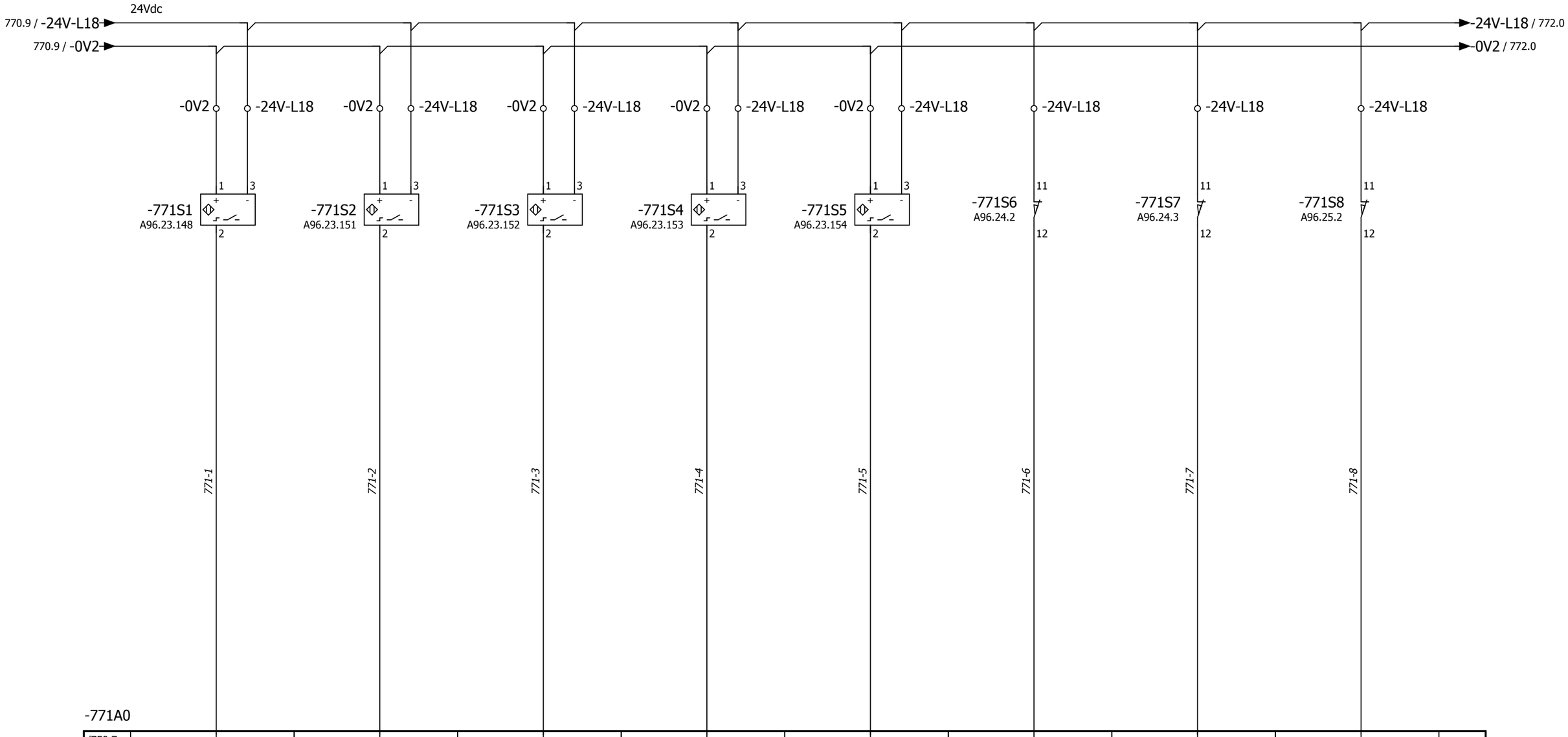
Job Nr.	Dwg.Nr.	Page	**769**
	A96	Follow	770



-770A0

/750.7	1	5	2	6	3	7	4	8
	posizione dentro del centraggio pallet m.s. impilatore 1° scelta 1° box (2° tratto)	posizione fuori del centraggio pallet o.s. impilatore 1° scelta 2° box	posizione dentro del centraggio pallet o.s. impilatore 1° scelta 2° box	posizione fuori del centraggio pallet m.s. impilatore 1° scelta 2° box	posizione dentro del centraggio pallet m.s. impilatore 1° scelta 2° box	posizione alta del 2° nastro trasporto foglio o.s. impilatore 1° scelta da 1° box a 2° box ingresso	posizione alta del 2° nastro trasporto foglio o.s. impilatore 1° scelta da 1° box a 2° box uscita	posizione bassa del 2° nastro trasporto foglio o.s. impilatore 1° scelta da 1° box a 2° box ingresso
	E106.0	E106.1	E106.2	E106.3	E106.4	E106.5	E106.6	E106.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

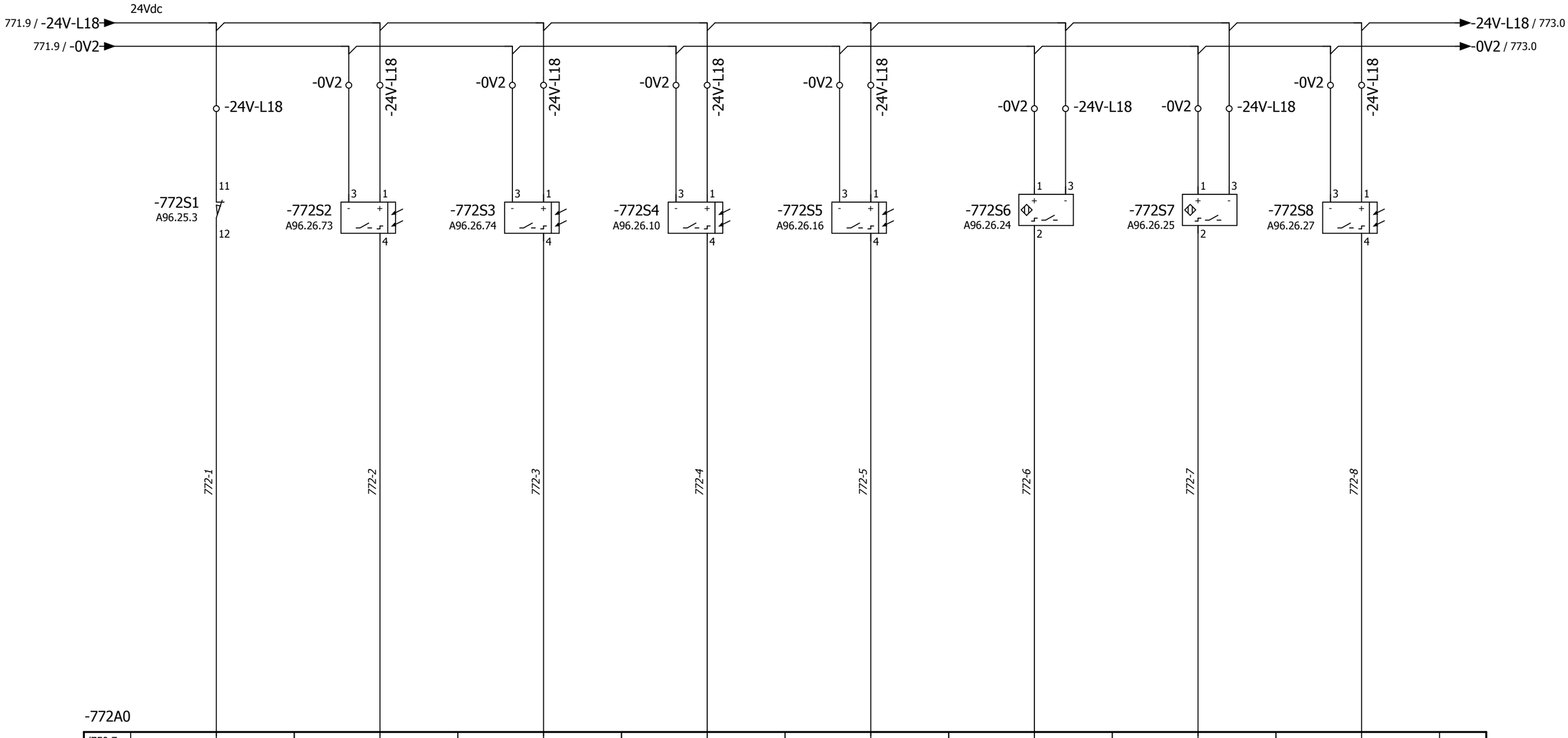


-771A0

/750.7	1	5	2	6	3	7	4	8
	posizione bassa del 2° nastro trasporto foglio o.s. impilatore 1° scelta da 1° box a 2° box uscita	posizione alta del 2° nastro trasporto foglio m.s. impilatore 1° scelta da 1° box a 2° box ingresso	posizione alta del 2° nastro trasporto foglio m.s. impilatore 1° scelta da 1° box a 2° box uscita	posizione bassa del 2° nastro trasporto foglio m.s. impilatore 1° scelta da 1° box a 2° box ingresso	posizione bassa del 2° nastro trasporto foglio m.s. impilatore 1° scelta da 1° box a 2° box uscita	posizione massimo alto della rulliera formapacco impilatore 1° scelta 1° box	posizione massimo basso della rulliera formapacco impilatore 1° scelta 1° box	posizione massimo alto della rulliera formapacco impilatore 1° scelta 2° box
	E107.0	E107.1	E107.2	E107.3	E107.4	E107.5	E107.6	E107.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL INPUTS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **Q21**
				Check	ALE				Job Nr. / Dwg.Nr. A96	Page **771**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 772



-772A0

/750.7	1	5	2	6	3	7	4	8
	posizione massimo basso della rulliera formapacco impilatore 1° scelta 2° box	CYCLE STOP	CYCLE STOP	posta alla fine della 1° rulliera di pesatura a 187 mm dal riscontro controllo larghezza pacco	posta alla fine della 2° rulliera di pesatura a 187 mm dal riscontro controllo larghezza pacco	Posizione bassa dei rulli per consenso rotazione motore 1° rulliera combinata catene	Posizione alta dei rulli per consenso rotazione motore 1° rulliera combinata catene	posta alla fine della 1° rulliera combinata arresto del motore 1° rulliera combinata rulli
	E108.0	E108.1	E108.2	E108.3	E108.4	E108.5	E108.6	E108.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96

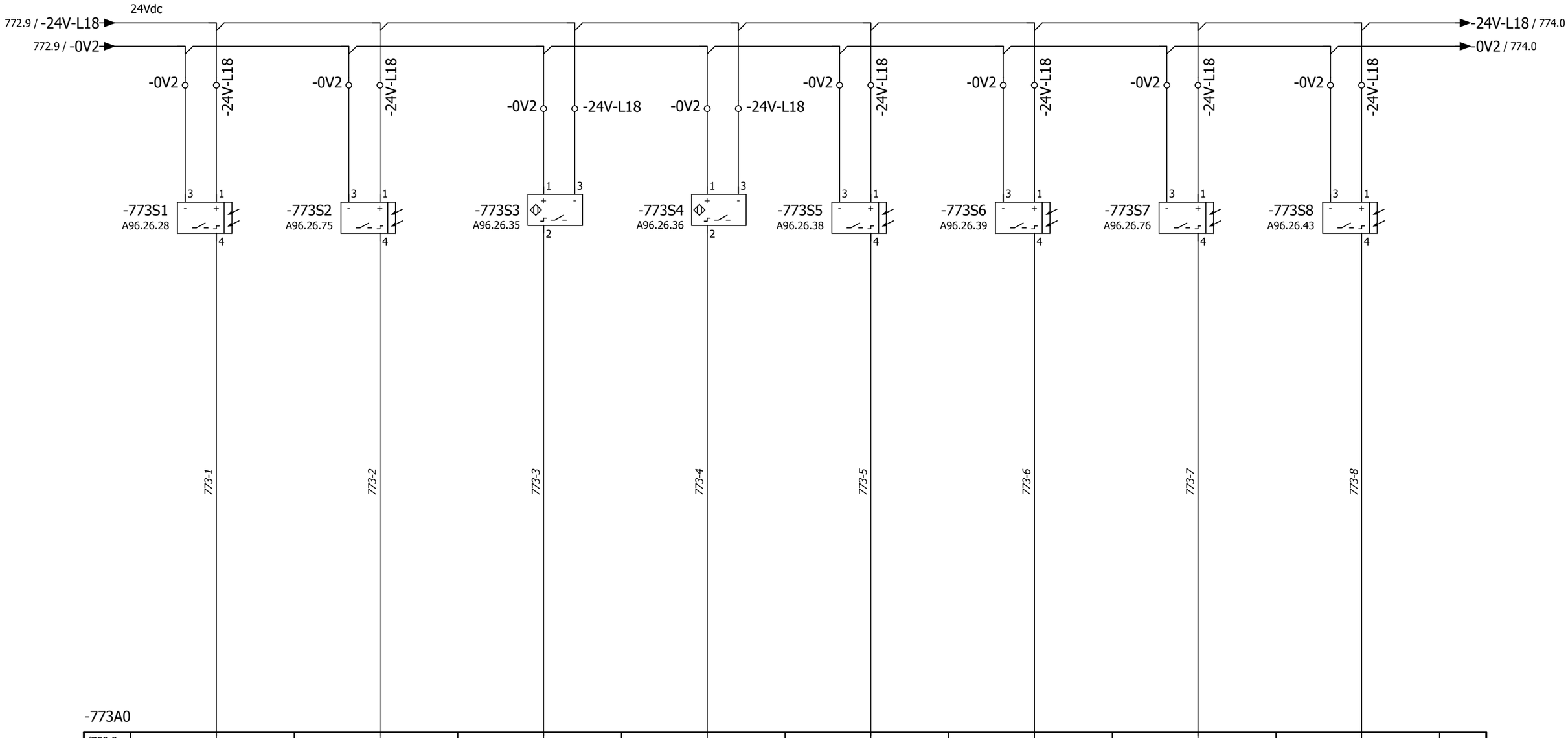
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **772**

Follow 773



-773A0

/750.8	1	5	2	6	3	7	4	8
	posta alla fine della 1° rulliera combinata catene per controllo traslazione pacco e avvio/arresto motori	posta in mezzeria linea sulla 1° rulliera combinata arresto del motore 1° rulliera combinata rulli se il pacco corto supera la mezzeria	Posizione bassa dei rulli per consenso rotazione motore 2° rulliera combinata catene	Posizione alta dei rulli per consenso rotazione motore 2° rulliera combinata catene	posta alla fine della 1° rulliera combinata arresto del motore 1° rulliera combinata rulli	posta alla fine della 1° rulliera combinata catene per controllo traslazione pacco e avvio/arresto motori	posta in mezzeria linea sulla 1° rulliera combinata arresto del motore 1° rulliera combinata rulli se il pacco corto supera la mezzeria	posta alla fine della 1° rulliera di trasferimento catene per controllo traslazione pacco e avvio/arresto motori
	E109.0	E109.1	E109.2	E109.3	E109.4	E109.5	E109.6	E109.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name	Original	
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

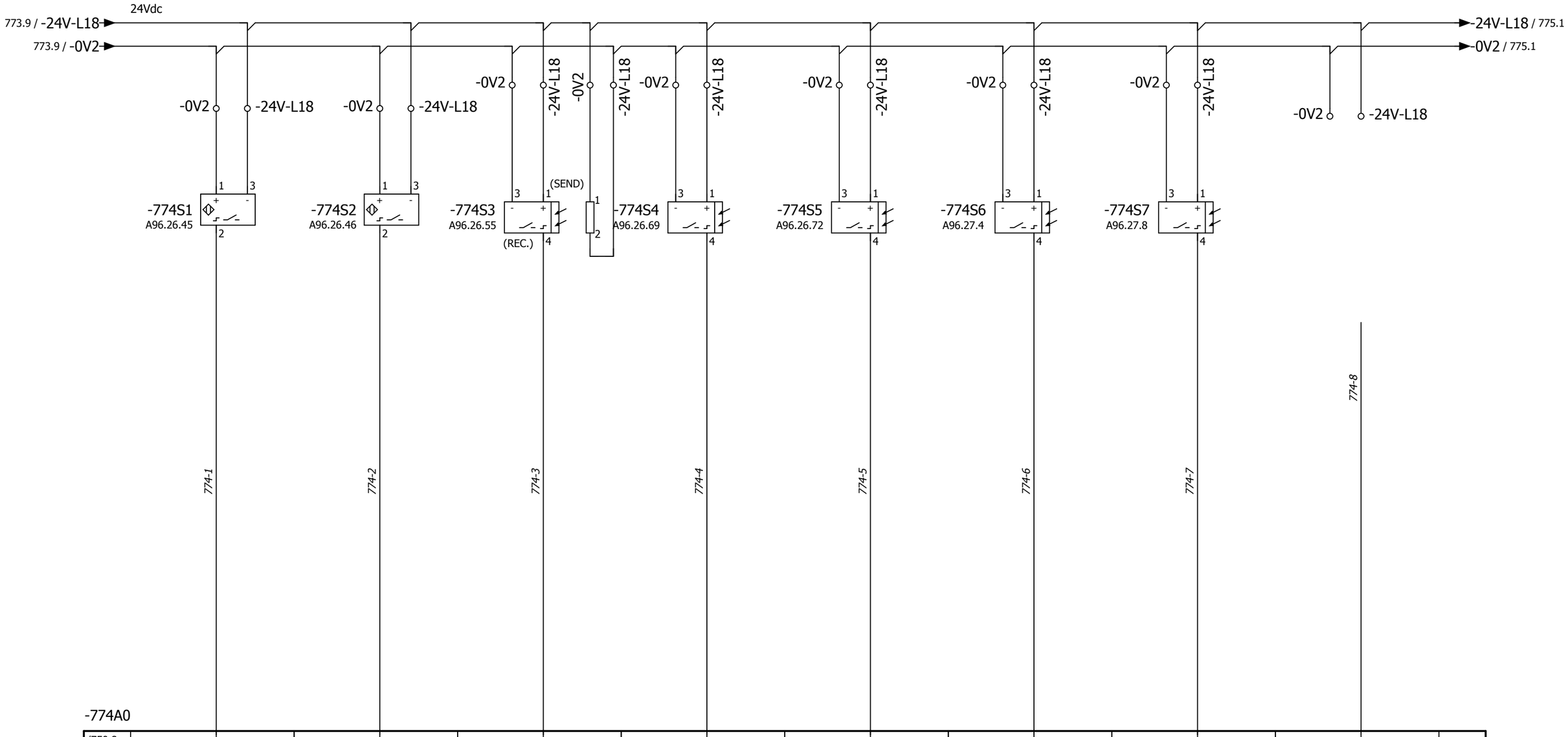
NOVASTILMEC A96

= A96
+ Q21

Job Nr.

Dwg.Nr. A96

Page 773
Follow 774



-774A0

/750.8

1	5	2	6	3	7	4	8
posizione alta delle leve di raccordo per consenso avanzamento pacco	posizione bassa delle leve di raccordo per consenso avanzamento pacco	posizionata a ..... mm dal rullo di giro catena sente l'arrivo della testa del pacco o legno	posta alla fine della 2° rulliera di trasferimento catene per controllo traslazione pacco e avvio/arresto motori	posta alla fine della 3° rulliera di trasferimento catene per controllo traslazione pacco e arresto motori	posta alla fine della 1° rulliera di carico bancale a 187 mm dal riscontro e a 975 mm dal centro linea controllo larghezza bancale	posta alla fine della 2° rulliera di carico bancale a 187 mm dal riscontro e a 975 mm dal centro linea controllo larghezza bancale	SPARE
E110.0	E110.1	E110.2	E110.3	E110.4	E110.5	E110.6	E110.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Original	
Check	ALE
Drawn	TPM
Date	10.10.2012

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

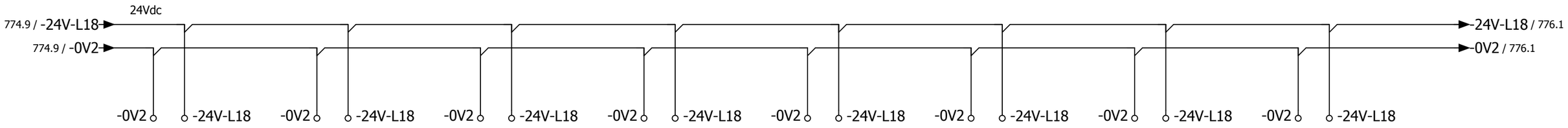
Descript.

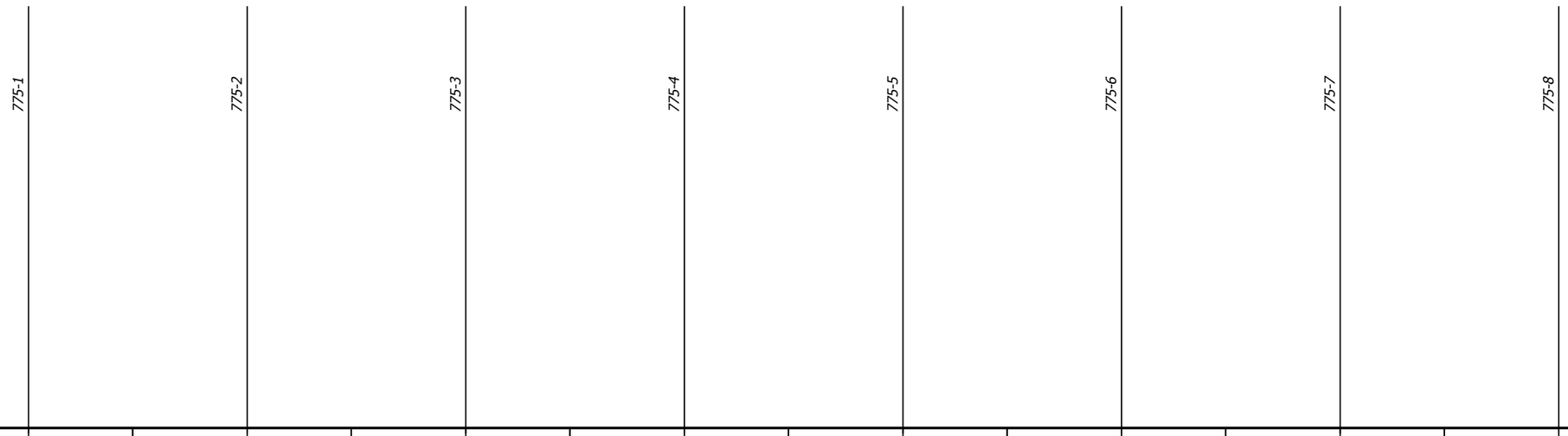
NOVASTILMEC A96

= A96

+ **Q21**

Job Nr.	Dwg.Nr.	Page	774
	A96	Follow	775





-775A0

/750.8

1	5	2	6	3	7	4	8
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
E111.0	E111.1	E111.2	E111.3	E111.4	E111.5	E111.6	E111.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

NOVASTILMEC A96

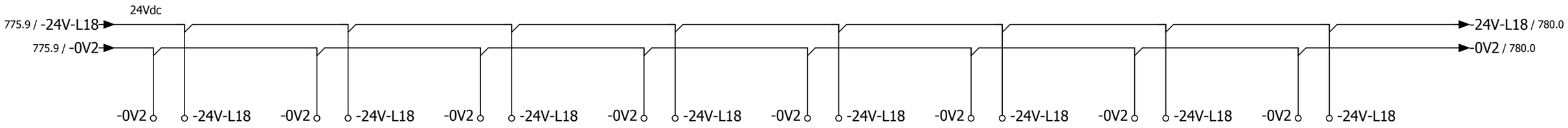
= A96
+ **Q21**

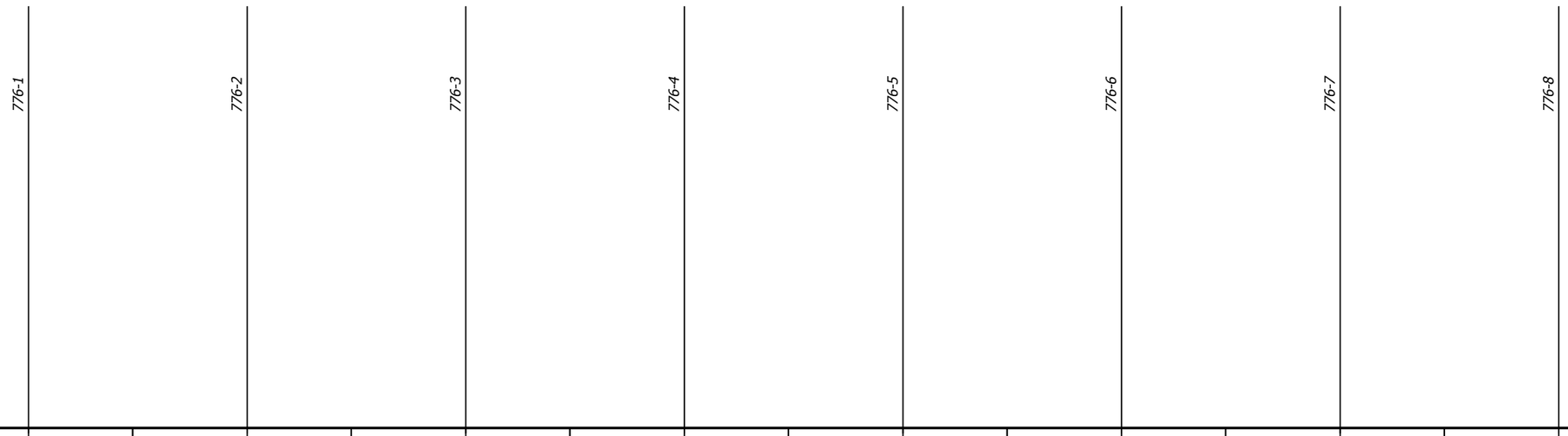
Job Nr.

Dwg.Nr. A96

Page **775**

Follow 776





-776A0

/750.9

1	5	2	6	3	7	4	8
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
E112.0	E112.1	E112.2	E112.3	E112.4	E112.5	E112.6	E112.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CA40-0AA0

-780A0
/751.2

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A96.0	A96.1	A96.2	A96.3	A96.4	A96.5	A96.6	A96.7
pareggiatore foglio e ammortizzatore posto sul carro mobile di testa impilatore 2° scelta FORWARD	pareggiatore foglio e ammortizzatore posto sul carro mobile di testa impilatore 2° scelta BACKWARD	movimento orizzontale del pareggiatore foglio lato motore impilatore 2° scelta FORWARD	movimento orizzontale del pareggiatore foglio lato motore impilatore 2° scelta BACKWARD	movimento verticale della rulliera formapacco impilatore 2° scelta UP	movimento verticale della rulliera formapacco impilatore 2° scelta DOWN	movimento verticale del pinch roll di schizzo ingresso impilatore 1° scelta UP	movimento verticale del pinch roll di schizzo ingresso impilatore 1° scelta DOWN
1	5	2	6	3	7	4	8

776.9
-24V-L18

776.9
-0V2

780-1 780-3 780-5 780-7 780-9 780-11 780-13 780-15

-780A1

1 2 3 4 5 6 7 8

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

\+
\-

24V-L18
781.0

0V2
781.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc
758.9 / -24V-Z3

-24V-Z3 / 781.1

780-2 780-4 780-6 780-8 780-10 780-12 780-14 780-16

-X4.1 1 | -X4.1 2 | -X4.1 3 | -X4.1 4 | -X4.1 5 | -X4.1 6 | -X4.1 7 | -X4.1 8

	A1	A2	B1	B2
-780Y1 A96.21.26				
-780Y3 A96.21.27				
-780Y5 A96.22.1				
-780Y7 A96.23.4				

-X0V1 WDU4 (×8)

758.9 / -0V1

-0V1 / 781.1

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS

Descript.

NOVASTILMEC A96

= A96
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **780**
Follow 781

-781A0
/751.2

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

	A97.0	A97.1	A97.2	A97.3	A97.4	A97.5	A97.6	A97.7
	Comanda i due freni O.S. per smorzare le vibrazioni dei longheroni dopo il posizionamento	Comanda i due freni M.S. per smorzare le vibrazioni dei longheroni dopo il posizionamento	movimento verticale del 1° nastro trasporto foglio O.S. impilatore 1° scelta da 1° box a 2° box UP	movimento verticale del 1° nastro trasporto foglio O.S. impilatore 1° scelta da 1° box a 2° box DOWN	tenuta posizione movimento verticale del 1° nastro di trasporto foglio O.S. da impilatore scelta da 1° box a 2° box	movimento verticale del 1° nastro trasporto foglio M.S. impilatore 1° scelta da 1° box a 2° box UP	movimento verticale del 1° nastro trasporto foglio M.S. impilatore 1° scelta da 1° box a 2° box DOWN	tenuta posizione movimento verticale del 1° nastro di trasporto foglio M.S. da impilatore scelta da 1° box a 2° box
	1	5	2	6	3	7	4	8

780.0
24V-L18

780.0
0V2

781-1 781-3 781-5 781-7 781-9 781-11 781-13 781-15

-781A1

1 2 3 4 5 6 7 8

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

\+ -

24V-L18
782.0

0V2
782.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc
780.9 / -24V-Z3 → -24V-Z3 / 782.1

781-2 781-4 781-6 781-8 781-10 781-12 781-14 781-16

-X4.1 9 -X4.1 10 -X4.1 11 -X4.1 12 -X4.1 13 -X4.1 14 -X4.1 15 -X4.1 16

-781Y1 A96.23.21 x1 x2	-781Y2 A96.23.159 x1 x2	-781Y3 A96.23.38 A1 A2	B1 B2	-781Y5 A96.23.43 x1 x2	-781Y6 A96.23.44 A1 A2	B1 B2	-781Y8 A96.23.49 x1 x2

-X0V1 WDU4

780.9 / -0V1 → -0V1 / 782.1

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech
				Drawn	TPM		
				Check	ALE		
Rev.	Descript.	Date	Name	Original			

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96
Job Nr.
Dwg.Nr. A96

= A96
+ **Q21**
Page **781**
Follow 782

-782A0
/751.3

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A98.0	A98.1	A98.2	A98.3	A98.4	A98.5	A98.6	A98.7
movimento verticale della testa ferma foglio impillatore 1° scelta 1° box - UP	movimento verticale della testa ferma foglio impillatore 1° scelta 1° box - DOWN	movimento orizzontale del pareggiatore foglio posto sul carro mobile di testa impilatore 1° scelta 1° box FORWARD	movimento orizzontale del pareggiatore foglio posto sul carro mobile di testa impilatore 1° scelta 1° box BACKWARD	movimento orizzontale del pareggiatore foglio pareggiatore M.S. impilatore 1° scelta 1° box (2° tratto)	movimento orizzontale del pareggiatore foglio pareggiatore M.S. impilatore 1° scelta 1° box (2° tratto)	movimento orizzontale del pareggiatore foglio pareggiatore O.S. impilatore 1° scelta 1° box (2° tratto)	movimento orizzontale del pareggiatore foglio pareggiatore O.S. impilatore 1° scelta 1° box (2° tratto)
1	5	2	6	3	7	4	8

781.0
24V-L18

781.0
0V2

-782A1

782-1 782-3 782-5 782-7 782-9 782-11 782-13 782-15

1 2 3 4 5 6 7 8

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

\+
\-

24V-L18
783.0

0V2
783.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc
781.9 / -24V-Z3 → -24V-Z3 / 783.1

782-2 782-4 782-6 782-8 782-10 782-12 782-14 782-16

-X4.1 17 | -X4.1 18 | -X4.1 19 | -X4.1 20 | -X4.1 21 | -X4.1 22 | -X4.1 23 | -X4.1 24

-782Y1	-782Y3	-782Y5	-782Y7
A96.23.56	A96.23.59	A96.23.60	A96.23.61
A1 / A2 / B1 / B2	A1 / A2 / B1 / B2	A1 / A2 / B1 / B2	A1 / A2 / B1 / B2

-X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4

781.9 / -0V1 → -0V1 / 783.1

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **Q21**

Page **782**
Follow 783

-783A0
/751.3

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A99.0	A99.1	A99.2	A99.3	A99.4	A99.5	A99.6	A99.7
movimento verticale della paratia O.S. per sostegno lamiera UP	movimento verticale della paratia O.S. per sostegno lamiera DOWN	limitatore corsa pareggiatore M.S. impilatore 1° scelta 1° box (2° tratto) FORWARD	limitatore corsa pareggiatore M.S. impilatore 1° scelta 1° box (2° tratto) BACKWARD	movimento verticale della paratia M.S. per sostegno lamiera UP	movimento verticale della paratia M.S. per sostegno lamiera DOWN	movimento orizzontale del riscontro di coda O.S. impilatore 1° scelta 2° box FORWARD	movimento orizzontale del riscontro di coda O.S. impilatore 1° scelta 2° box BACKWARD
1	5	2	6	3	7	4	8

782.0
24V-L18

782.0
0V2

783-1 783-3 783-5 783-7 783-9 783-11 783-13 783-15

-783A1

1 2 3 4 5 6 7 8

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

\+ -

24V-L18
784.0

0V2
784.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc

782.9 / -24V-Z3 → -24V-Z3 / 784.1

783-2 783-4 783-6 783-8 783-10 783-12 783-14 783-16

-X4.1 25 | -X4.1 26 | -X4.1 27 | -X4.1 28 | -X4.1 29 | -X4.1 30 | -X4.1 31 | -X4.1 32

-783Y1 A96.23.64	-783Y3 A96.23.67	-783Y5 A96.23.70	-783Y7 A96.23.86
A1 / A2 / B1 / B2	A1 / A2 / B1 / B2	A1 / A2 / B1 / B2	A1 / A2 / B1 / B2

-X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4

782.9 / -0V1 → -0V1 / 784.1

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **Q21**

Page **783**
Follow 784

-784A0
/751.3

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A100.0	A100.1	A100.2	A100.3	A100.4	A100.5	A100.6	A100.7
movimento orizzontale del riscontro di coda M.S. impilatore 1° scelta 2° box FORWARD	movimento orizzontale del riscontro di coda M.S. impilatore 1° scelta 2° box BACKWARD	Movimento orizzontale per posizione fuori dell'ammortizzatore foglio carro mobile di testa impilatore 1° scelta 2° box	Movimento orizzontale per posizione dentro dell'ammortizzatore foglio carro mobile di testa impilatore 1° scelta 2° box	movimento orizzontale del pareggiatore foglio posto sul carro mobile di testa impilatore 1° scelta 2° box	movimento orizzontale del pareggiatore foglio posto sul carro mobile di testa impilatore 1° scelta 2° box	movimento orizzontale del limitatore corsa pareggiatore O.S. impilatore 1° scelta 2° box	movimento orizzontale del limitatore corsa pareggiatore O.S. impilatore 1° scelta 2° box
1	5	2	6	3	7	4	8

783.0
24V-L18

783.0
-0V2

-784A1

784-1 784-3 784-5 784-7 784-9 784-11 784-13 784-15

1 2 3 4 5 6 7 8

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

+
-

24V-L18
785.0

0V2
785.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc
783.9 / -24V-Z3 → -24V-Z3 / 785.1

784-2 784-4 784-6 784-8 784-10 784-12 784-14 784-16

-X4.1 33 | -X4.1 34 | -X4.1 35 | -X4.1 36 | -X4.1 37 | -X4.1 38 | -X4.1 39 | -X4.1 40

-784Y1 A96.23.89 (A1 / A2 / B1 / B2)
-784Y3 A96.23.98 (x1 / x2)
-784Y4 A96.23.117 (x1 / x2)
-784Y5 A96.23.99 (A1 / A2 / B1 / B2)
-784Y7 A96.23.100 (A1 / A2 / B1 / B2)

-X0V1 WDU4

783.9 / -0V1 → -0V1 / 785.1

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96

= A96
+ Q21

Job Nr.

Dwg.Nr. A96

Page 784
Follow 785

-785A0
/751.4

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A101.0	A101.1	A101.2	A101.3	A101.4	A101.5	A101.6	A101.7
movimento orizzontale del pareggiatore foglio pareggiatore M.S. impilatore 1° scelta 2° box	movimento orizzontale del pareggiatore foglio pareggiatore M.S. impilatore 1° scelta 2° box	movimento orizzontale del limitatore corsa pareggiatore M.S. impilatore 1° scelta 2° box	movimento orizzontale del limitatore corsa pareggiatore M.S. impilatore 1° scelta 2° box	LINE AUTOMATIC ON	LINE AUTOMATIC START	movimento orizzontale del centraggio pallet O.S. impilatore 1° scelta 1° box (2° tratto)	movimento orizzontale del centraggio pallet O.S. impilatore 1° scelta 1° box (2° tratto)
1	5	2	6	3	7	4	8

784.0
24V-L18

784.0
0V2

785-1 785-3 785-5 785-7 785-9 785-11 785-13 785-15

-785A1

1 2 3 4 5 6 7 8

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

\+ -

24V-L18
786.0

0V2
786.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc

784.9 / -24V-Z3 → -24V-Z3 / 786.1

+IL/195.3 / +IL-24V-Z13 → -24V-Z13 /

785-2 785-4 785-6 785-8 785-10 785-12 785-14 785-16

-X4.1 41 | -X4.1 42 | -X4.1 43 | -X4.1 44 | -X4.1 45 | -X4.1 46 | -X4.1 47 | -X4.1 48

-785Y1 A96.23.103 (A1 / A2 – B1 / B2)
-785Y3 A96.23.104 (A1 / A2 – B1 / B2)
-785H5 A96.23.109 (x1 / x2)
-785H6 A96.23.110 (x1 / x2)
-785Y7 A96.23.129 (A1 / A2 – B1 / B2)

-X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4 | -X0V1 WDU4

784.9 / -0V1 → -0V1 / 786.1

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **Q21**

Page **785**
Follow 786

-786A0
/751.4

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A102.0	A102.1	A102.2	A102.3	A102.4	A102.5	A102.6	A102.7
movimento orizzontale del centraggio pallet M.S. impilatore 1° scelta 1° box (2° tratto)	movimento orizzontale del centraggio pallet M.S. impilatore 1° scelta 1° box (2° tratto)	movimento orizzontale del centraggio pallet O.S. impilatore 1° scelta 2° box	movimento orizzontale del centraggio pallet O.S. impilatore 1° scelta 2° box	movimento orizzontale del centraggio pallet M.S. impilatore 1° scelta 2° box	movimento orizzontale del centraggio pallet M.S. impilatore 1° scelta 2° box	movimento verticale del 2° nastro trasporto foglio O.S. impilatore 1° scelta da 1° box a 2° box	movimento verticale del 2° nastro trasporto foglio O.S. impilatore 1° scelta da 1° box a 2° box
1	5	2	6	3	7	4	8

785.0
24V-L18

785.0
0V2

786-1 786-3 786-5 786-7 786-9 786-11 786-13 786-15

-786A1

1 2 3 4 5 6 7 8

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

\+
\-

24V-L18
787.0

0V2
787.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc

785.9 / -24V-Z3 → -24V-Z3 / 787.1

786-2 786-4 786-6 786-8 786-10 786-12 786-14 786-16

-X4.1 49 -X4.1 50 -X4.1 51 -X4.1 52 -X4.1 53 -X4.1 54 -X4.1 55 -X4.1 56

-786Y1 A96.23.133 A1 A2 B1 B2
-786Y3 A96.23.139 A1 A2 B1 B2
-786Y5 A96.23.142 A1 A2 B1 B2
-786Y7 A96.23.145 A1 A2 B1 B2

-X0V1 WDU4

785.9 / -0V1 → -0V1 / 787.1

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **Q21**

Page **786**
Follow 787

-787A0
/751.4

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A103.0	A103.1	A103.2	A103.3	A103.4	A103.5	A103.6	A103.7
tenuta posizione movimento verticale del 2° nastro di trasporto foglio O.S. impilatore 1° scelta da 1° box a 2° box	movimento verticale del 2° nastro trasporto foglio M.S. impilatore 1° scelta da 1° box a 2° box	movimento verticale del 2° nastro trasporto foglio M.S. impilatore 1° scelta da 1° box a 2° box	tenuta posizione movimento verticale del 2° nastro di trasporto foglio M.S. impilatore 1° scelta da 1° box a 2° box	movimento verticale della rulliera formapacco impilatore 1° scelta 1° box	movimento verticale della rulliera formapacco impilatore 1° scelta 1° box	movimento verticale della rulliera formapacco impilatore 1° scelta 2° box	movimento verticale della rulliera formapacco impilatore 1° scelta 2° box
1	5	2	6	3	7	4	8

786.0
24V-L18

786.0
0V2

787-1 787-3 787-5 787-7 787-9 787-11 787-13 787-15

-787A1

1 2 3 4 5 6 7 8

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

\+ -

24V-L18
788.0

0V2
788.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc
786.9 / -24V-Z3 → -24V-Z3 / 788.1

787-2 787-4 787-6 787-8 787-10 787-12 787-14 787-16

-X4.1 57 -X4.1 58 -X4.1 59 -X4.1 60 -X4.1 61 -X4.1 62 -X4.1 63 -X4.1 64

-787Y1 A96.23.149 x1 x2
-787Y2 A96.23.150 A1 A2 B1 B2
-787Y4 A96.23.155 x1 x2
-787Y5 A96.24.1 A1 A2 B1 B2
-787Y7 A96.25.1 A1 A2 B1 B2

-X0V1 WDU4

786.9 / -0V1 → -0V1 / 788.1

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96

= A96
+ **Q21**

Job Nr.

Dwg.Nr. A96

Page **787**
Follow 788

-788A0
/751.4

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A104.0	A104.1	A104.2	A104.3	A104.4	A104.5	A104.6	A104.7
movimento verticale per sollevamento rulli 1° rulliera combinata	movimento verticale per sollevamento rulli 1° rulliera combinata	movimento verticale per sollevamento rulli 2° rulliera combinata	movimento verticale per sollevamento rulli 2° rulliera combinata	movimento rotatorio delle leve di raccordo posta alla fine della 1° rulliera di trasferimento catene	movimento rotatorio delle leve di raccordo posta alla fine della 1° rulliera di trasferimento catene	movimento orizzontale del pareggiatore foglio pareggiatore M.S. impilatore 1° scelta 1° box (1° tratto)	movimento orizzontale del pareggiatore foglio pareggiatore M.S. impilatore 1° scelta 1° box (1° tratto)
1	5	2	6	3	7	4	8

787.0
24V-L18

787.0
0V2

-788A1

788-1 788-3 788-5 788-7 788-9 788-11 788-13 788-15

1 2 3 4 5 6 7 8

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

\+ -

24V-L18
789.0

0V2
789.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc

787.9 / -24V-Z3 → -24V-Z3 / 789.1

788-2 788-4 788-6 788-8 788-10 788-12 788-14 788-16

-X4.1 65 -X4.1 66 -X4.1 67 -X4.1 68 -X4.1 69 -X4.1 70 -X4.1 71 -X4.1 72

-788Y1 A96.26.23 (A1 / A2 – B1 / B2)
-788Y3 A96.26.34 (A1 / A2 – B1 / B2)
-788Y5 A96.26.44 (A1 / A2 – B1 / B2)
-788Y7 A96.23.161 (A1 / A2 – B1 / B2)

-X0V1 WDU4 (×8)

787.9 / -0V1 → -0V1 / 789.1

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUTS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ Q21
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page 788
Rev.	Descript.	Date	Name	Original				Descript.		Follow 789

-789A0
/751.5

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A105.0	A105.1	A105.2	A105.3	A105.4	A105.5	A105.6	A105.7
movimento orizzontale del pareggiatore foglio pareggiatore O.S. impilatore 1° scelta 1° box (1° tratto)	movimento orizzontale del pareggiatore foglio pareggiatore O.S. impilatore 1° scelta 1° box (1° tratto)	limitatore corsa pareggiatore M.S. impilatore 1° scelta 1° box (1° tratto) FORWARD	limitatore corsa pareggiatore M.S. impilatore 1° scelta 1° box (1° tratto) BACKWARD	movimento orizzontale del centraggio pallet O.S. impilatore 1° scelta 1° box (1° tratto)	movimento orizzontale del centraggio pallet O.S. impilatore 1° scelta 1° box (1° tratto)	movimento orizzontale del centraggio pallet M.S. impilatore 1° scelta 1° box (1° tratto)	movimento orizzontale del centraggio pallet M.S. impilatore 1° scelta 1° box (1° tratto)
1	5	2	6	3	7	4	8

788.0
24V-L18

788.0
0V2

-789A1

789-1 789-3 789-5 789-7 789-9 789-11 789-13 789-15

1 2 3 4 5 6 7 8

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

\+ -

24V-L18
790.0

0V2
790.0

12 11 14 | 22 21 24 | 32 31 34 | 42 41 44 | 52 51 54 | 62 61 64 | 72 71 74 | 82 81 84

24Vdc

788.9 / -24V-Z3

-24V-Z3 / 790.1

789-2 789-4 789-6 789-8 789-10 789-12 789-14 789-16

-X4.1 73 -X4.1 74 -X4.1 75 -X4.1 76 -X4.1 77 -X4.1 78 -X4.1 79 -X4.1 80

-789Y1 A96.23.162 A1 A2 B1 B2

-789Y3 A96.23.163 A1 A2 B1 B2

-789Y5 A96.23.164 A1 A2 B1 B2

-789Y7 A96.23.165 A1 A2 B1 B2

-X0V1 WDU4 -X0V1 WDU4 -X0V1 WDU4 -X0V1 WDU4 -X0V1 WDU4 -X0V1 WDU4 -X0V1 WDU4 -X0V1 WDU4

788.9 / -0V1

-0V1 / 790.1

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS

Descript.

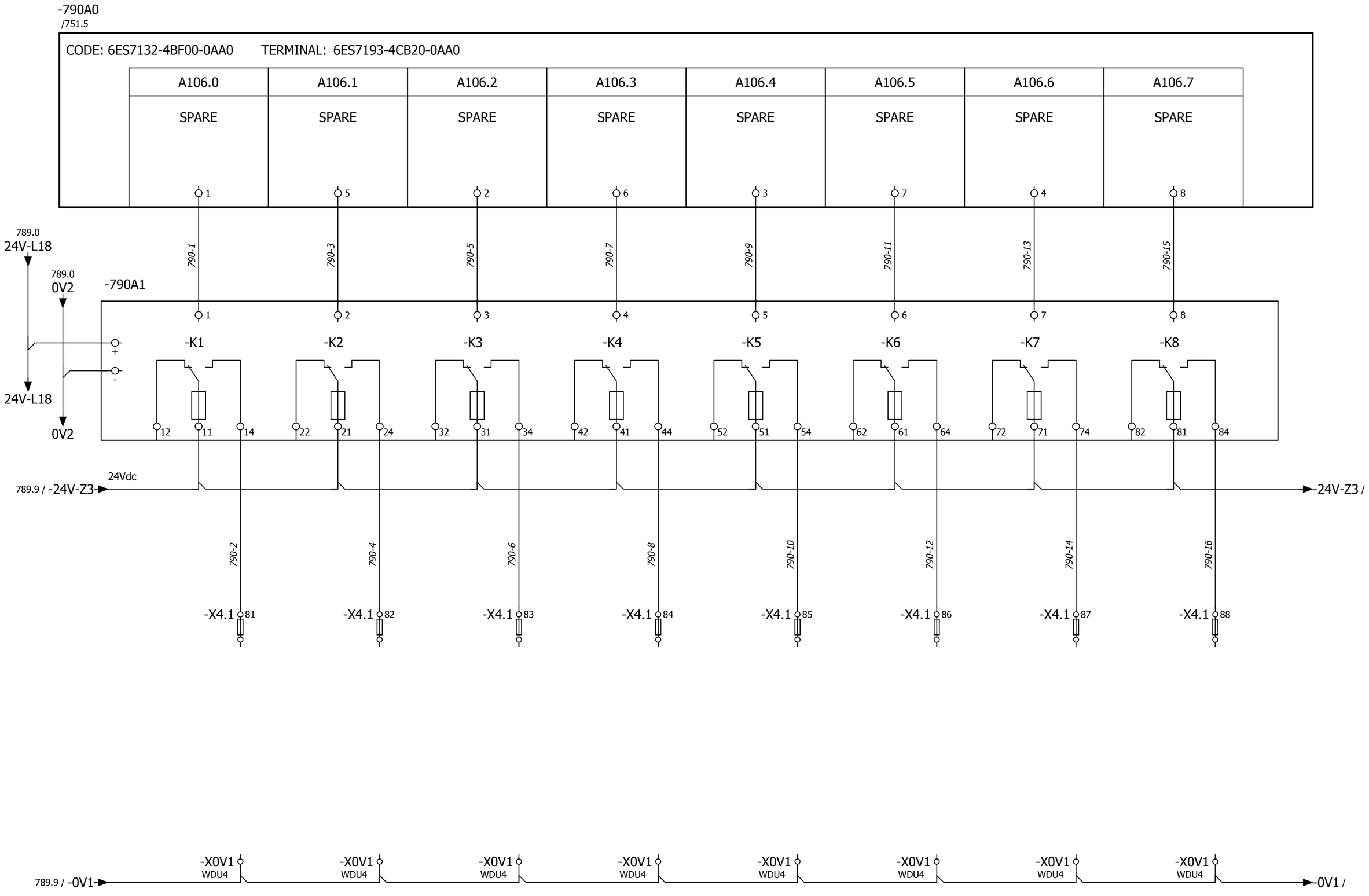
NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **Q21**

Page **789**
Follow 790



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUTS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **Q21**
				Check	ALE				Job Nr.	Dwg.Nr. A96 / Page **790**
Rev.	Descript.	Date	Name	Original				Descript.		Follow +P01/800

110V - 50Hz

+IL/115.6 / +IL-110-L5

+IL/115.6 / +IL-110-N

-110-N /

-X2 5 6
WDU4

1
-800F5
4A
5SY6104-7
2

800-1

L N
-800V5
120Vac/24Vdc 5A
6ES7307-1EA01-0AA0
+ -

800-2

1
-800F2
4A
5SY6104-7
2

800-3

-800P1
OPERATOR PANEL
6AV6643-0CB
01-1AX1
+ -



ETHERNET 3
/ +P02/853.2

1
-800F5.1
4A
5SY6104-7
2

-24V / 801.0

-0V / 801.0

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY
ENTRY DESK
Descript.

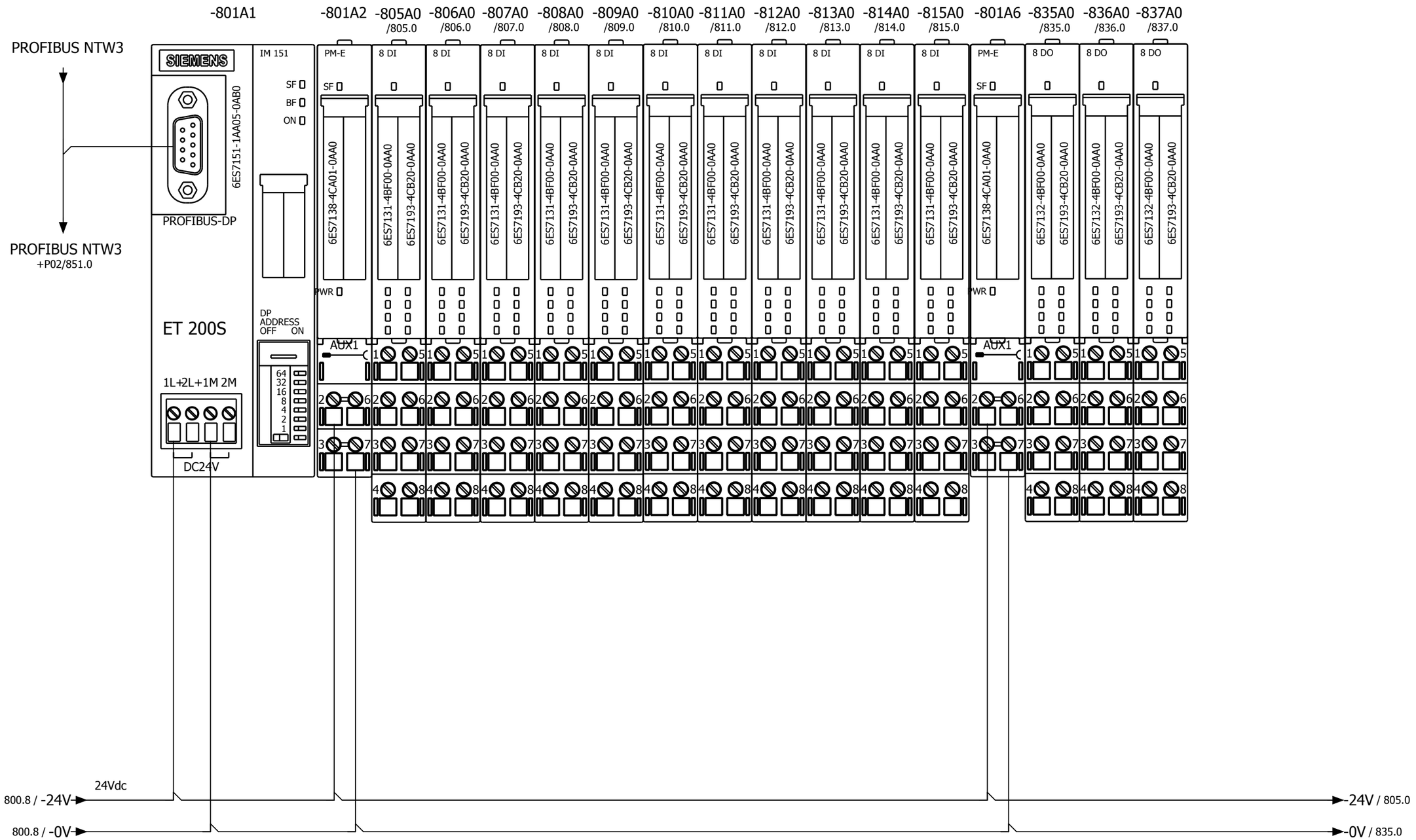
NOVASTILMEC A96

= A96
+ **P01**

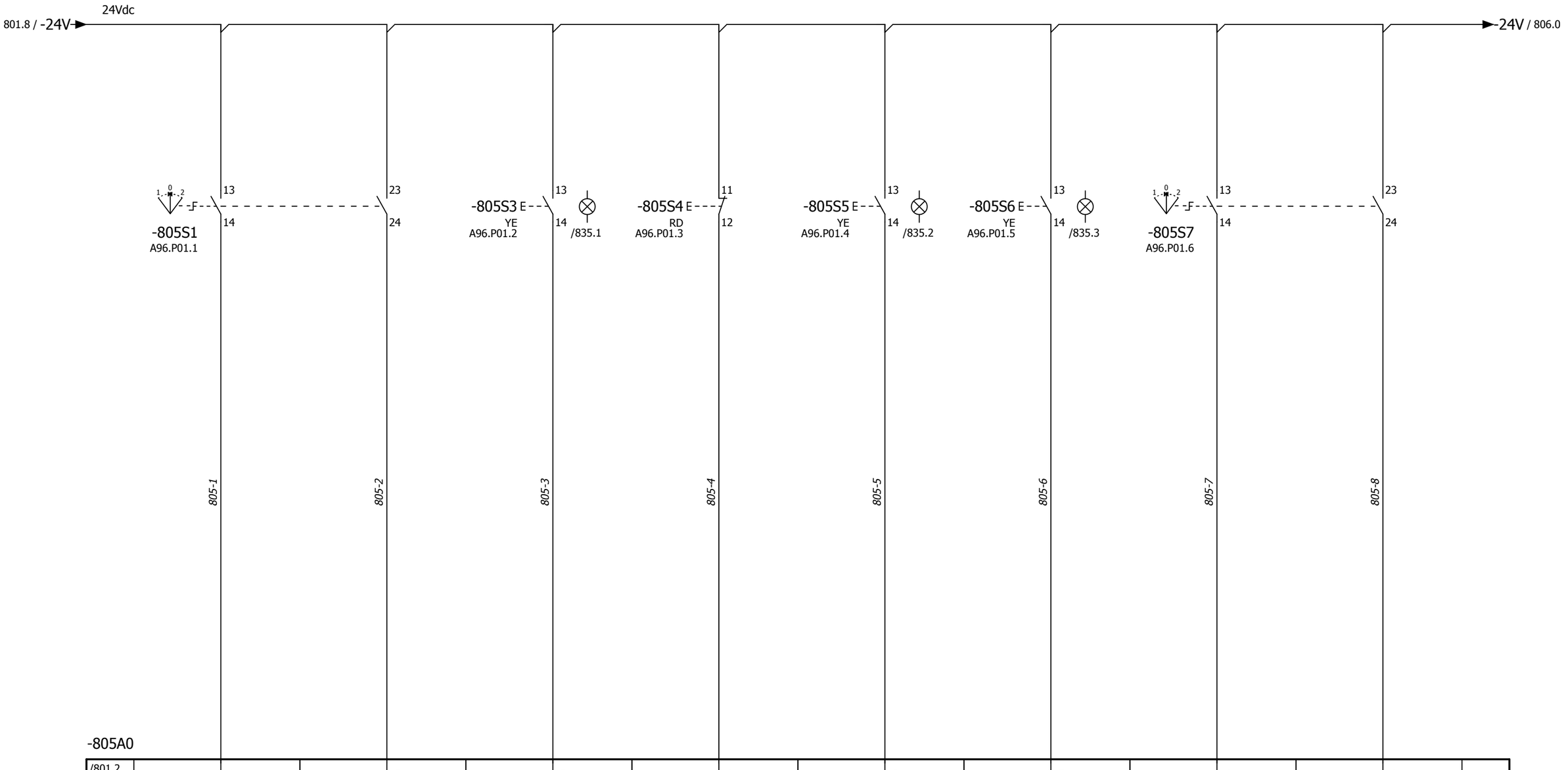
Job Nr.

Dwg.Nr.
A96

Page **800**
Follow 801



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION ENTRY DESK	NOVASTILMEC A96		= A96
				Drawn	TPM						+ **P01**
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page **801**
Rev.	Descript.	Date	Name	Original				Descript.			Follow 805



-805A0

/801.2

1	5	2	6	3	7	4	8
ENTRY COIL CAR TRASLATION IN	ENTRY COIL CAR TRASLATION OUT	ENTRY COIL CAR TRASLATION STATION 1	ENTRY COIL CAR TRASLATION STOP	ENTRY COIL CAR TRASLATION STATION 2	ENTRY COIL CAR TRASLATION STATION 3	ENTRY COIL CAR CLOCKWISE	ENTRY COIL CAR ANTICLOCKWISE
E120.0	E120.1	E120.2	E120.3	E120.4	E120.5	E120.6	E120.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

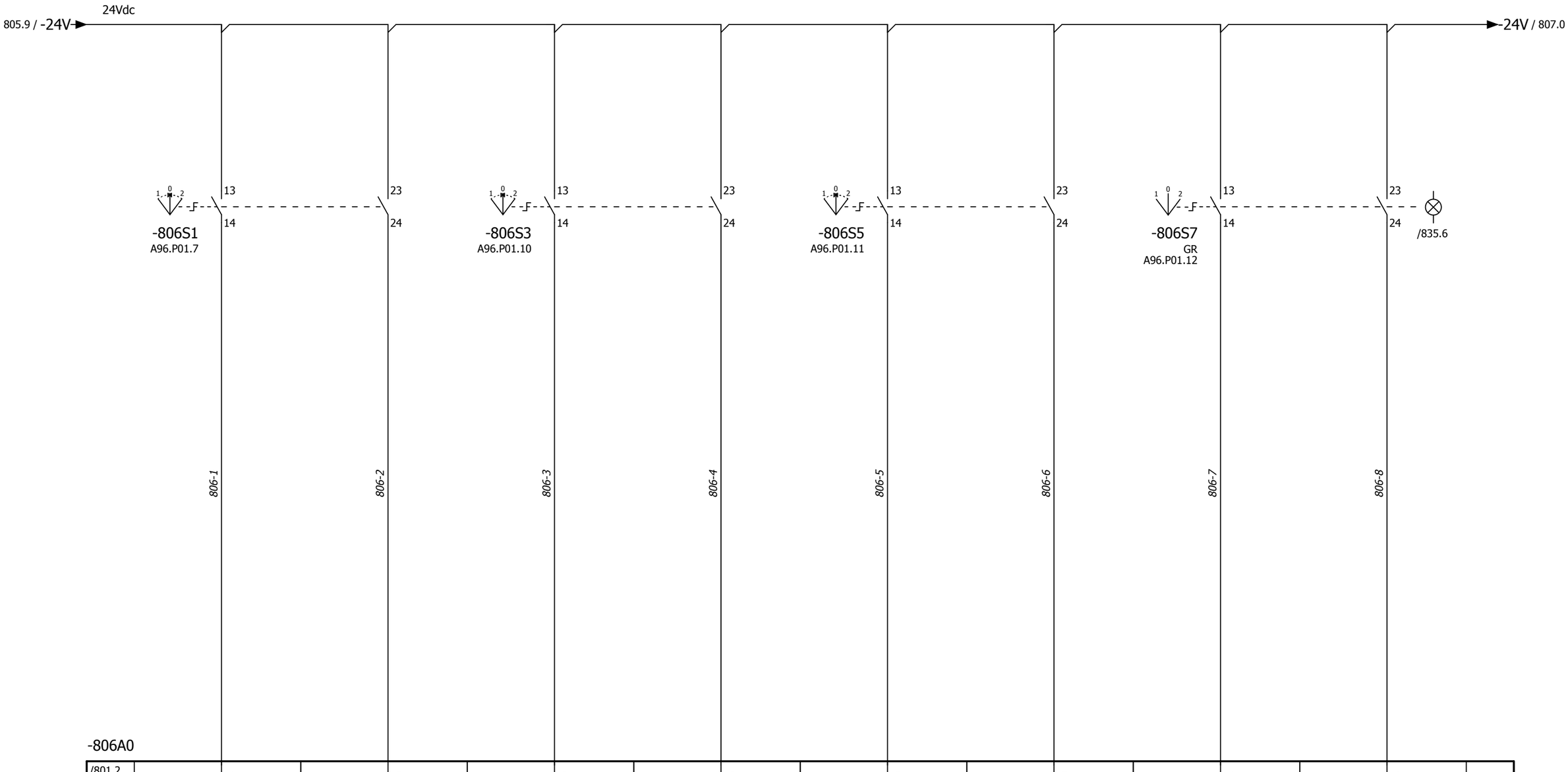
Job Nr.

Dwg.Nr. A96

= A96
+ **P01**

Page **805**

Follow 806



-806A0

/801.2

1	5	2	6	3	7	4	8
ENTRY COIL CAR IN LINE	ENTRY COIL CAR OUT LINE	ENTRY COIL CAR UP	ENTRY COIL CAR DOWN	ENTRY COIL CAR FORWARD	ENTRY COIL CAR BACKWARD	PAPER RECOILER FORWARD	PAPER RECOILER BACKWARD
E121.0	E121.1	E121.2	E121.3	E121.4	E121.5	E121.6	E121.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

Job Nr.

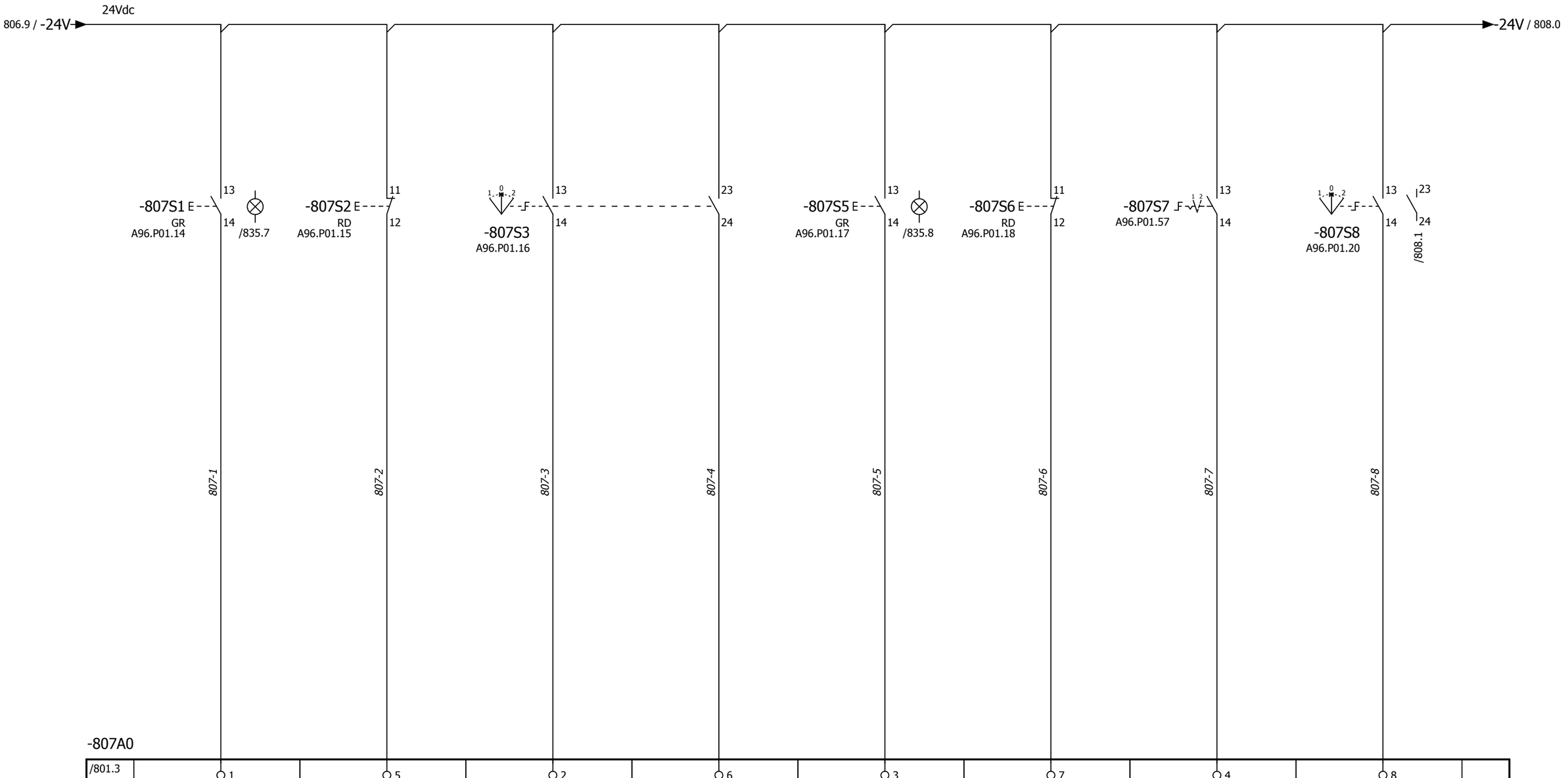
Dwg.Nr. A96

= A96

+ **P01**

Page **806**

Follow 807



-807A0

/801.3

1	5	2	6	3	7	4	8
UNCOILER EXPANSION	UNCOILER COLLAPSE	UNCOILER ROTATION FORWARD	UNCOILER ROTATION BACKWARD	UNCOILER TENSION ON	UNCOILER TENSION STOP	UNCOILER modalità di svolgimento	UNCOILER MOTOR SIDE
E122.0	E122.1	E122.2	E122.3	E122.4	E122.5	E122.6	E122.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

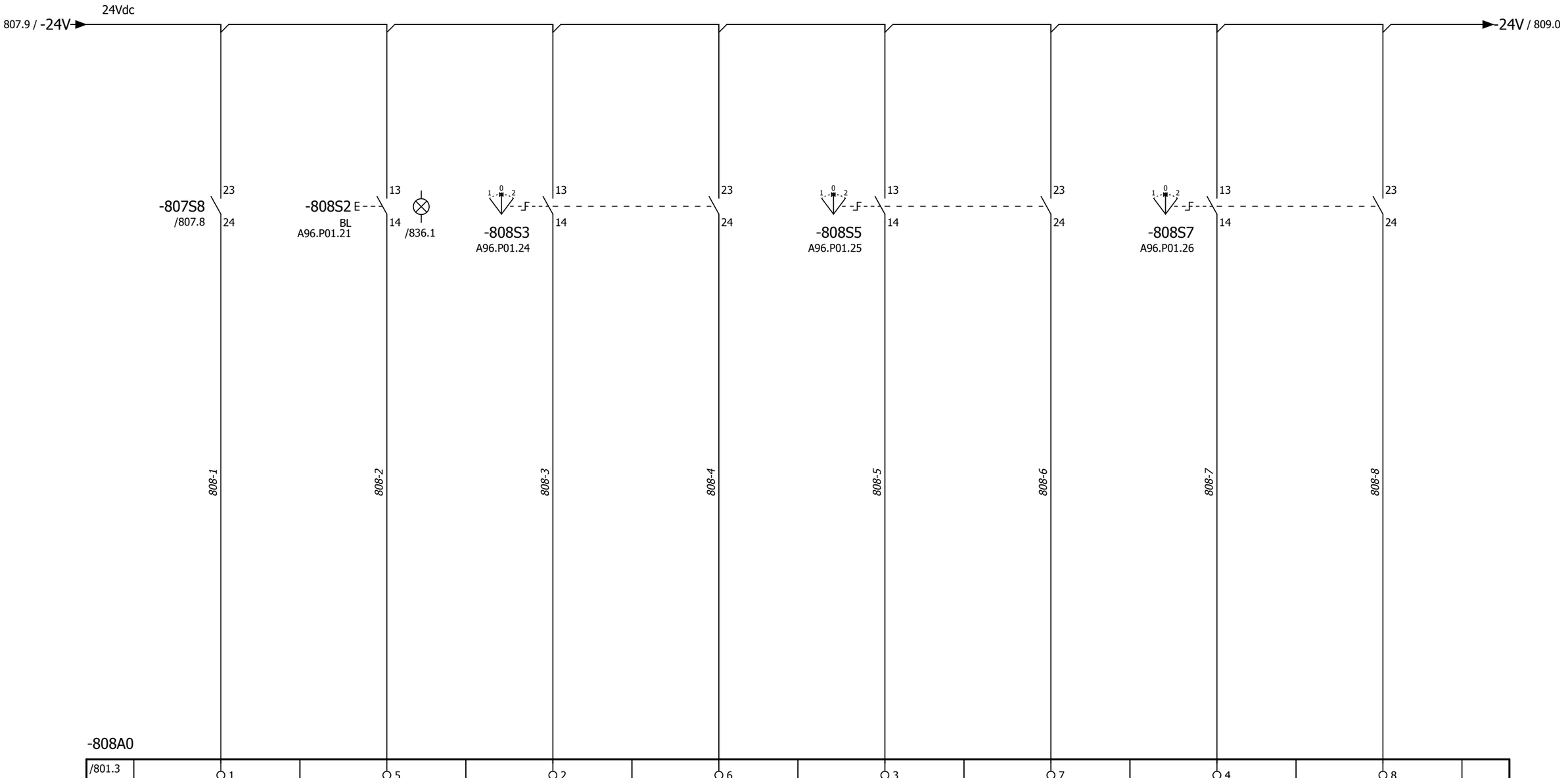
= A96
+ **P01**

Job Nr.

Dwg.Nr. A96

Page **807**

Follow 808



-808A0

/801.3

1	5	2	6	3	7	4	8
UNCOILER OPERATOR SIDE	UNCOILER AUTOMATIC CENTERING	PRESSURE ARM UP	PRESSURE ARM DOWN	PRESSURE ROLL FORWARD	PRESSURE ROLL BACKWARD	UNCOILER PRESSURE ROLLS FORWARD	UNCOILER PRESSURE ROLLS BACKWARD
E123.0	E123.1	E123.3	E123.4	E123.5	E123.6	E123.7	E123.8

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

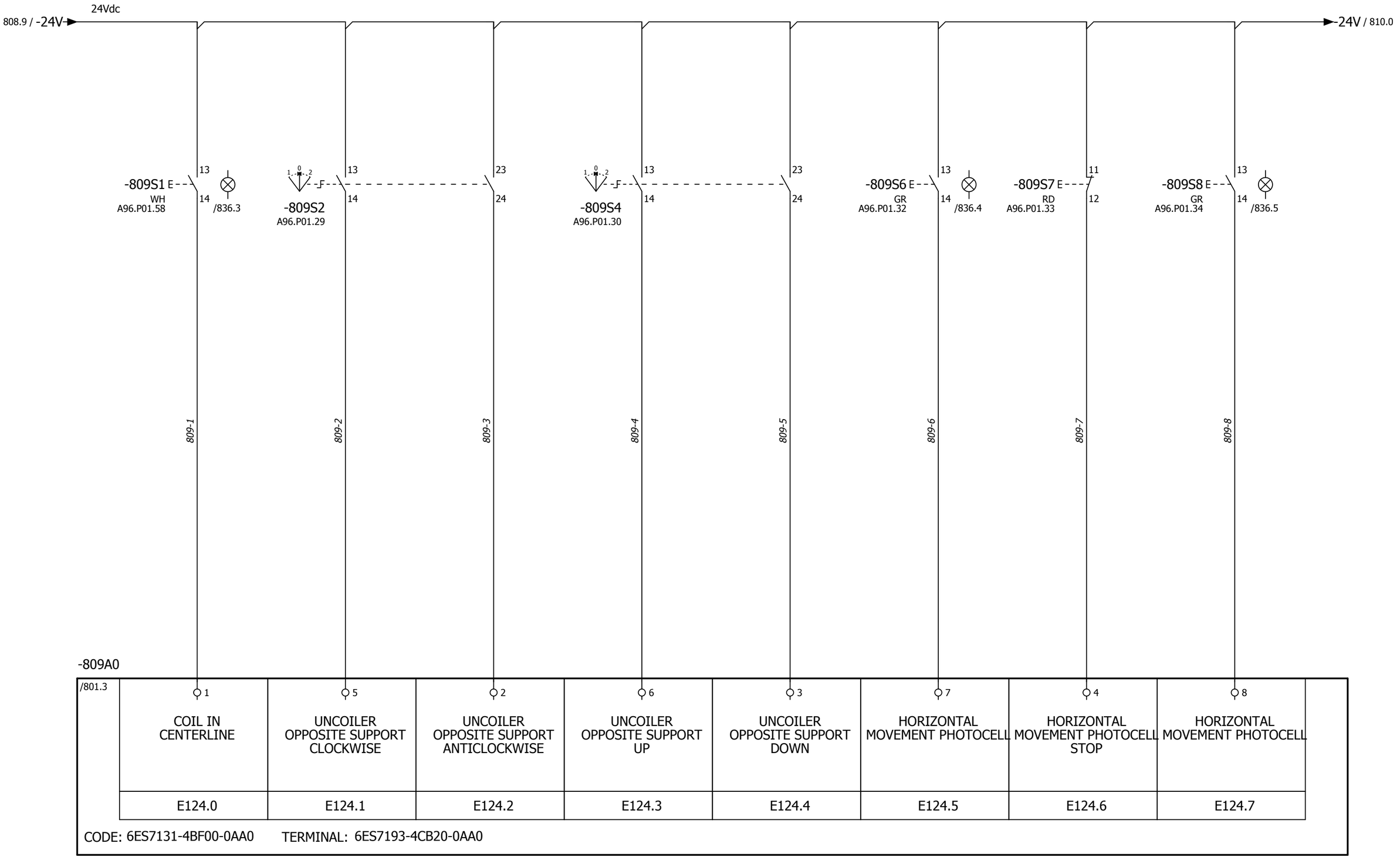
Job Nr.

Dwg.Nr. A96

= A96
+ **P01**

Page **808**

Follow 809



-809A0

/801.3

1	5	2	6	3	7	4	8
COIL IN CENTERLINE	UNCOILER OPPOSITE SUPPORT CLOCKWISE	UNCOILER OPPOSITE SUPPORT ANTICLOCKWISE	UNCOILER OPPOSITE SUPPORT UP	UNCOILER OPPOSITE SUPPORT DOWN	HORIZONTAL MOVEMENT PHOTOCELL	HORIZONTAL MOVEMENT PHOTOCELL STOP	HORIZONTAL MOVEMENT PHOTOCELL
E124.0	E124.1	E124.2	E124.3	E124.4	E124.5	E124.6	E124.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012		
Drawn	TPM		
Check	ALE		
Original			

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96
+ **P01**

Job Nr.

Dwg.Nr. A96

Page **809**

Follow 810

809.9 / -24V — 24Vdc

-24V / 811.0

	-810S1	-810S3	-810S5	-810S7	-810S8
	A96.P01.35	A96.P01.36	A96.P01.37	GR A96.P01.38	RD A96.P01.39
	13 / 14 / 23 / 24	13 / 14 / 23 / 24	13 / 14 / 23 / 24	13 / 14	11 / 12
				/836.6	
	810-1	810-3	810-5	810-7	810-8
	810-2	810-4	810-6		

-810A0

/801.4	1	5	2	6	3	7	4	8
	PEELER TABLE OUT	PEELER TABLE IN	PEELER TABLE UP	PEELER TABLE DOWN	DEFLECTOR ROLL UP	DEFLECTOR ROLL DOWN	ENTRY PINCH ROLL UP/DOWN	ENTRY PINCH ROLL UP/DOWN STOP
	E125.0	E125.1	E125.2	E125.3	E125.4	E125.5	E125.6	E125.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

Job Nr.

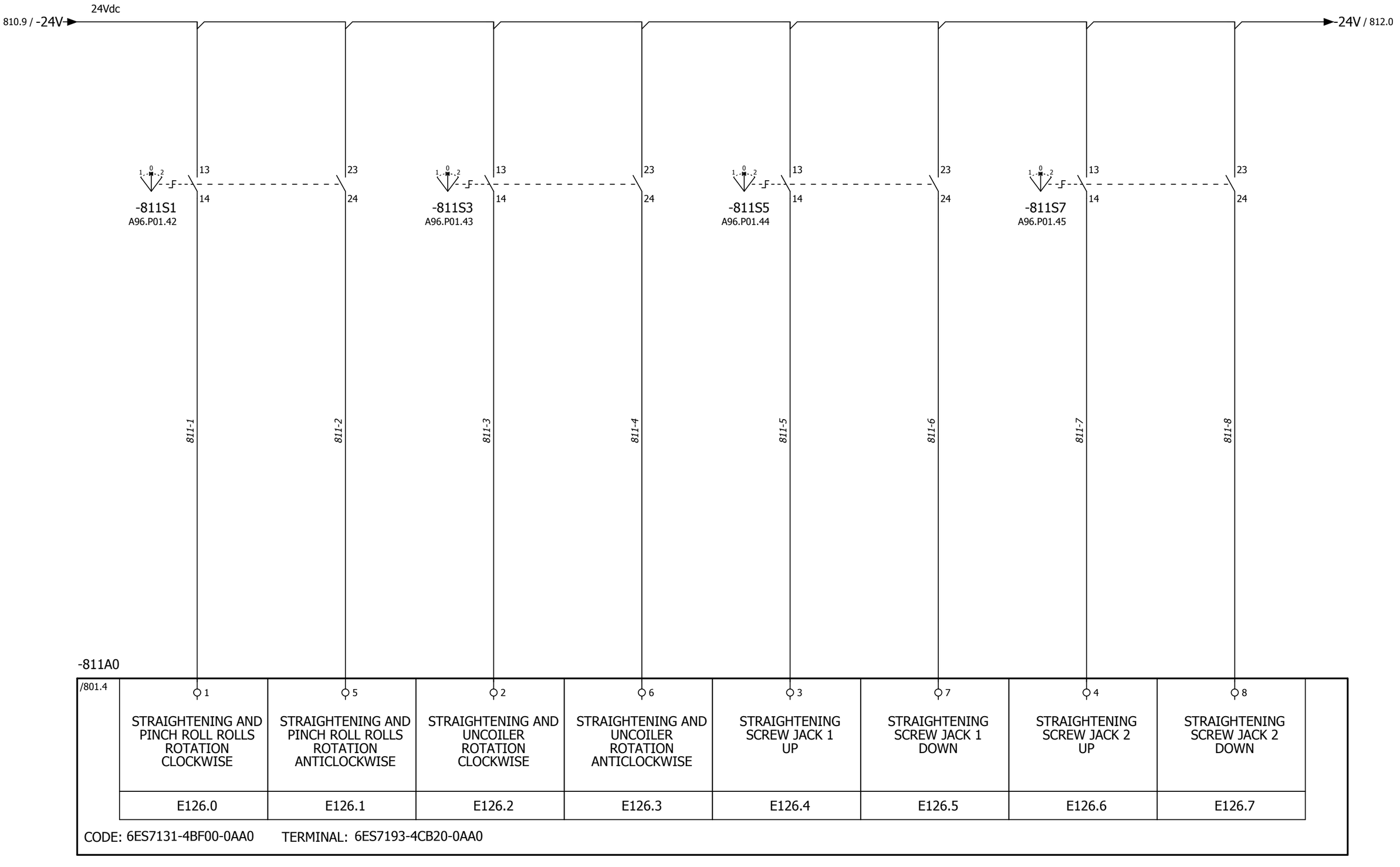
Dwg.Nr. A96

= A96

+ **P01**

Page **810**

Follow 811



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

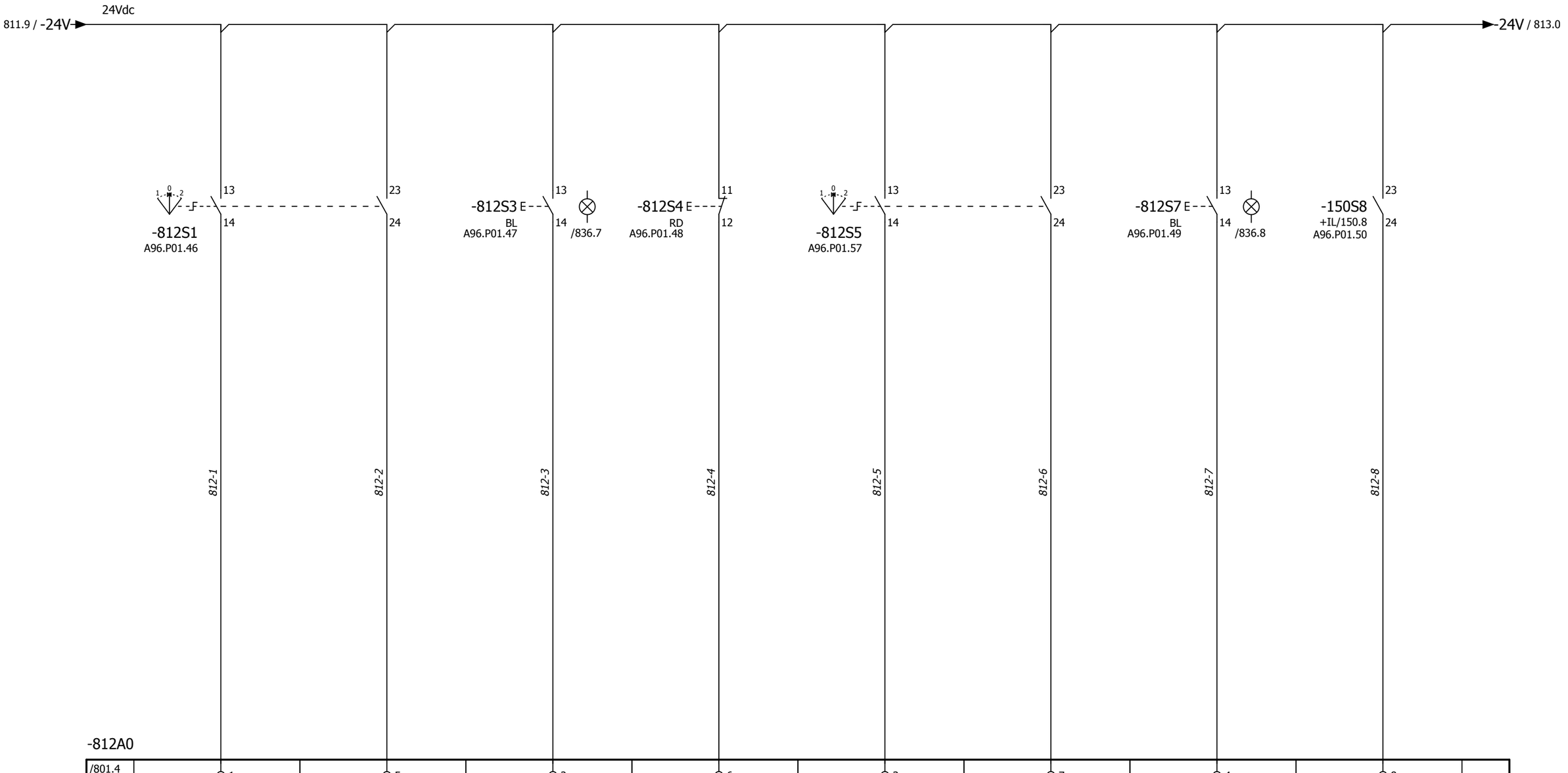
= A96
+ **P01**

Job Nr.

Dwg.Nr. A96

Page **811**

Follow 812



-812A0

/801.4

1	5	2	6	3	7	4	8
STRAIGHTENING SCREW JACK 1-2 UP	STRAIGHTENING SCREW JACK 1-2 DOWN	POSITIONING MACHINE START	POSITIONING MACHINE STOP	ARM UP	ARM DOWN	ENTRY AREA RESET	STOP LINE EMERGENCY
E127.0	E127.1	E127.2	E127.3	E127.4	E127.5	E127.6	E127.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **P01**

Page **812**

Follow 813

812.9 / -24V — 24Vdc

-24V / 814.0

-813S1 E	-813S2 E	-813S3 E	-813S4 E	-813S5 E	-813S6 E
13 / 14	13 / 14	13 / 14	13 / 14	13 / 14	11 / 12
RD	YE	BK	WH	BK	RD
A96.P01.52	A96.P01.53	A96.P01.54	A96.P01.55	A96.P01.56	A91.P01.59

/837.2

813-1 813-2 813-3 813-4 813-5 813-6 813-7 813-8

-813A0

/801.5

1	5	2	6	3	7	4	8
STOP LINE	ENTRY SECTION JOG -??? FORWARD ???-	ENTRY SECTION JOG -??? BACKWARD ???-	SPEED LINE	SPEED LINE	HORIZONTAL MOVEMENT PHOTOCELL STOP	SPARE	SPARE
E128.0	E128.1	E128.2	E128.3	E128.4	E128.5	E128.6	E128.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

Job Nr.

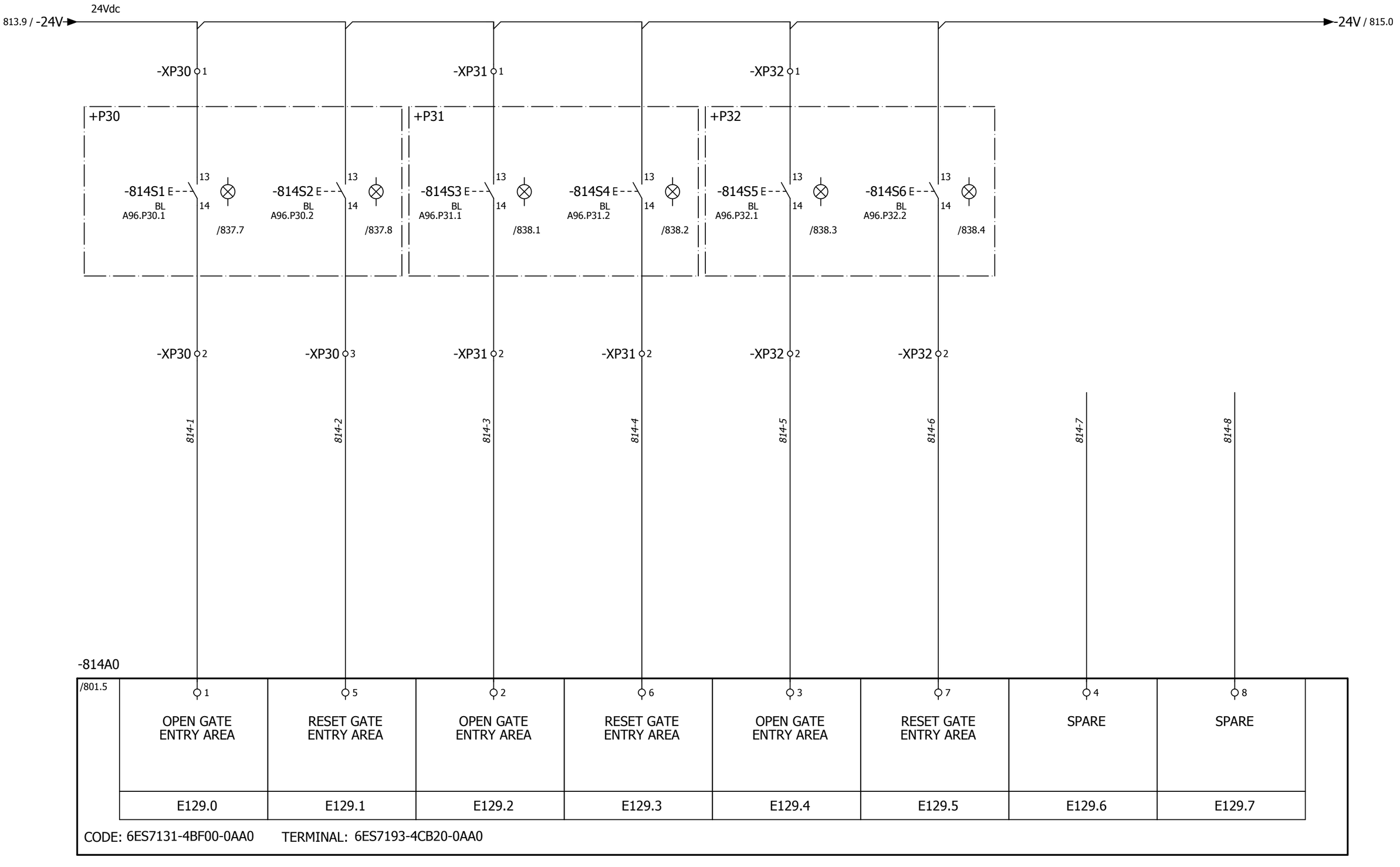
Dwg.Nr. A96

= A96

+ **P01**

Page **813**

Follow 814



Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96

+ **P01**

Page **814**

Follow 815

814.9 / -24V — 24Vdc — -24V /

815-1 *815-2* *815-3* *815-4* *815-5* *815-6* *815-7* *815-8*

-815A0

/801.5

1	5	2	6	3	7	4	8
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
E130.0	E130.1	E130.2	E130.3	E130.4	E130.5	E130.6	E130.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

-835A0
/801.6

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A120.0	A120.1	A120.2	A120.3	A120.4	A120.5	A120.6	A120.7
ENTRY COIL CAR TRASLATION STATION 1	ENTRY COIL CAR TRASLATION STATION 2	ENTRY COIL CAR TRASLATION STATION 3	ENTRY COIL CAR MAX FORWARD	ENTRY COIL CAR MAX BACKWARD	PAPER RECOILER FORWARD/BACKWARD	UNCOILER EXPANSION	UNCOILER TENSION ON
1	5	2	6	3	7	4	8

835-1 835-2 835-3 835-4 835-5 835-6 835-7 835-8

-805S3 x1 /805.3 YE x2
-805S5 x1 /805.5 YE x2
-805S6 x1 /805.6 YE x2
-835H4 x1 YE A96.P01.8 x2
-835H5 x1 YE A96.P01.9 x2
-806S7 x1 /806.7 GR x2
-807S1 x1 /807.1 GR x2
-807S5 x1 /807.5 GR x2

24Vdc
801.8 / -0V
-0V / 836.0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96

= A96
+ **P01**

Job Nr.
Dwg.Nr. A96
Page **835**
Follow 836

-836A0
/801.6

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A121.0	A121.1	A121.2	A121.3	A121.4	A121.5	A121.6	A121.7
UNCOILER AUTOMATIC CENTERING	LOW DIAMETER COIL	COIL IN CENTERLINE	HORIZONTAL MOVEMENT PHOTOCELL	HORIZONTAL MOVEMENT PHOTOCELL	ENTRY PINCH ROLL UP/DOWN	POSITIONING MACHINE START	ENTRY AREA RESET
1	5	2	6	3	7	4	8

836-1 836-2 836-3 836-4 836-5 836-6 836-7 836-8

-808S2 /808.2 GR x1 x2
-836H2 YE A96.P01.27 x1 x2
-809S1 /809.1 WH x1 x2
-809S6 /809.6 GR x1 x2
-809S8 /809.8 GR x1 x2
-810S7 /810.7 GR x1 x2
-812S3 /812.3 BL x1 x2
-812S7 /812.7 BL x1 x2

24Vdc
835.9 / -0V
-0V / 837.0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96
Job Nr.
Dwg.Nr. A96

= A96
+ **P01**
Page **836**
Follow 837

-837A0
/801.7

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A122.0	A122.1	A122.2	A122.3	A122.4	A122.5	A122.6	A122.7
STOP LINE ALARM	STOP LINE	SPARE	SPARE	SPARE	SPARE	OPEN GATE ENTRY AREA	RESET GATE ENTRY AREA
1	5	2	6	3	7	4	8

837-1 837-2 837-3 837-4 837-5 837-6 837-7 837-8

-837H1 x1 RD x2
A96.P01.51

-813S1 x1 /813.1 RD x2

+P30

-XP30 4 -XP30 6

-814S1 x1 /814.1 WH x2

-814S2 x1 /814.2 BL x2

-XP30 5

24Vdc
836.9 / -0V

-0V / 838.0

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	DIGITAL OUTPUTS	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **P01**
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page **837**
Rev.	Descript.	Date	Name	Original				Descript.			Follow 838

-838A0

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A123.0	A123.1	A123.2	A123.3	A123.4	A123.5	A123.6	A123.7
OPEN GATE ENTRY AREA	RESET GATE ENTRY AREA	OPEN GATE ENTRY AREA	RESET GATE ENTRY AREA	SPARE	SPARE	SPARE	SPARE
1	5	2	6	3	7	4	8
838-1	838-2	838-3	838-4	838-5	838-6	838-7	838-8
-XP31 3	-XP31 3	-XP32 3	-XP32 3				
+P31		+P32					
-814S3 /814.3 WH x1 x2	-814S4 /814.4 BL x1 x2	-814S5 /814.5 WH x1 x2	-814S6 /814.6 BL x1 x2				
-XP31 4		-XP32 4					
24Vdc							

837.9 / -0V → -0V /

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96

+ **P01**

Page **838**

Follow +P02/850

110V - 50Hz

+IL/115.7 / +IL-110-L6

+IL/115.7 / +IL-110-N

-X2
WDU4
8
9

-850F7
4A
5SY6104-7
1
2

850-1

-850V7
120Vac/24Vdc 5A
6ES7307-1EA01-0AA0
L
N
+
-

850-2

-850F7.1
6A
5SY6106-7
1
2

-24V / 851.1

-0V / 851.1

230V - 50Hz

+IL/107.5 / 105-5

+IL/107.6 / 105-6

-850X1
09967
1
PE
2

-850X2
09967
1
PE
2

-850X3
09967
1
PE
2

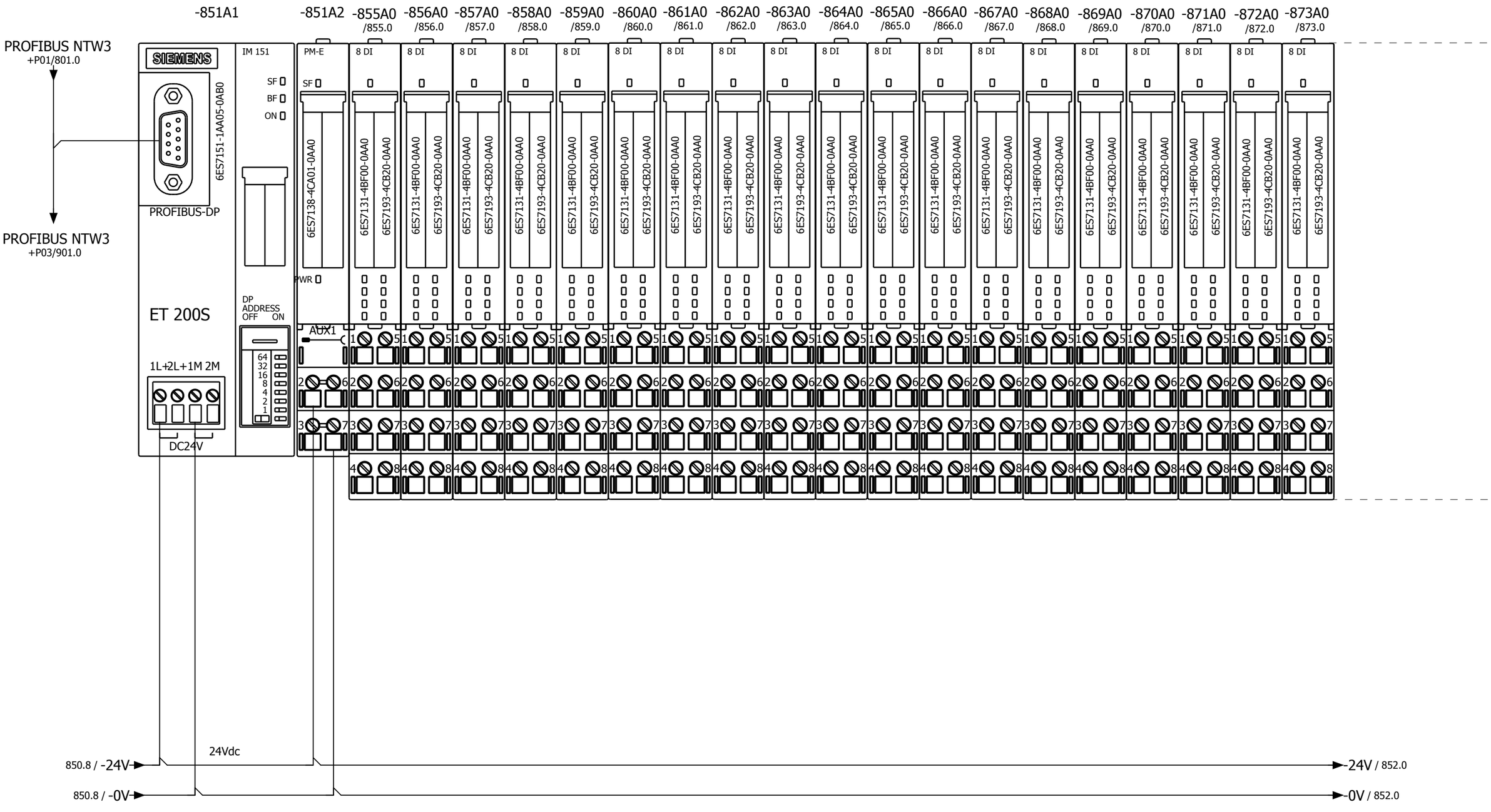
-850X4
09967
1
PE
2

-850P2
PC+VIDEO

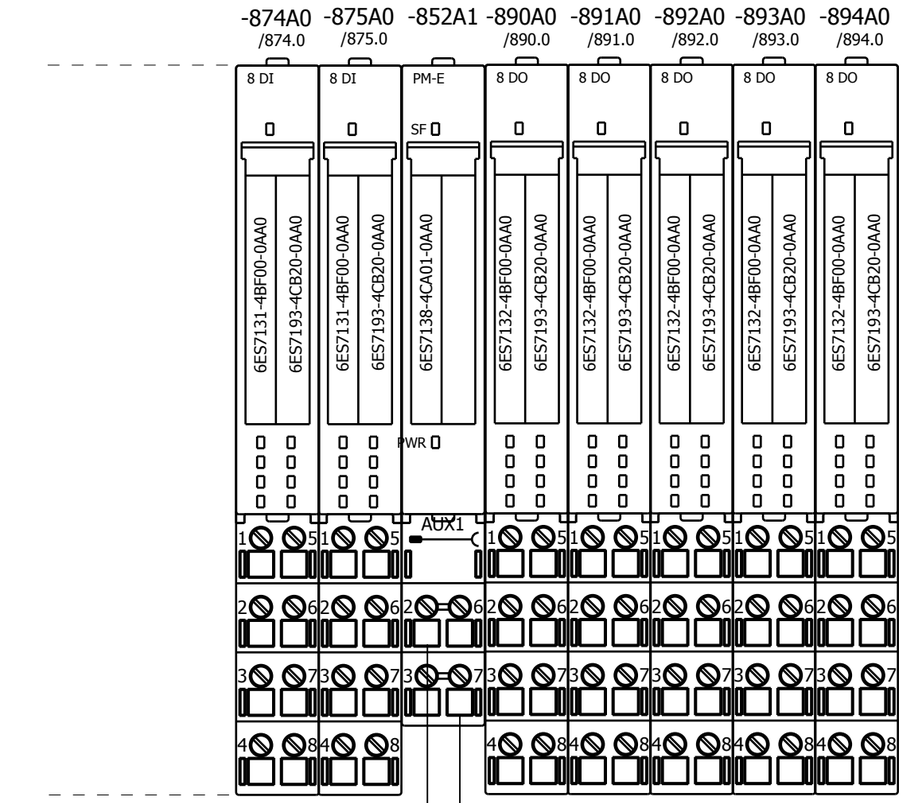


ETHERNET 2 / 853.2

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	POWER SUPPLY MAIN DESK	NOVASTILMEC A96 = A96 + **P02**
				Drawn	TPM				
				Check	ALE				Job Nr. / Dwg.Nr. A96 / Page **850** / Follow 851
Rev.	Descript.	Date	Name	Original				Descript.	



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION MAIN DESK	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **P02**
				Check	ALE				Job Nr. / Dwg.Nr. A96	Page **851**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 852

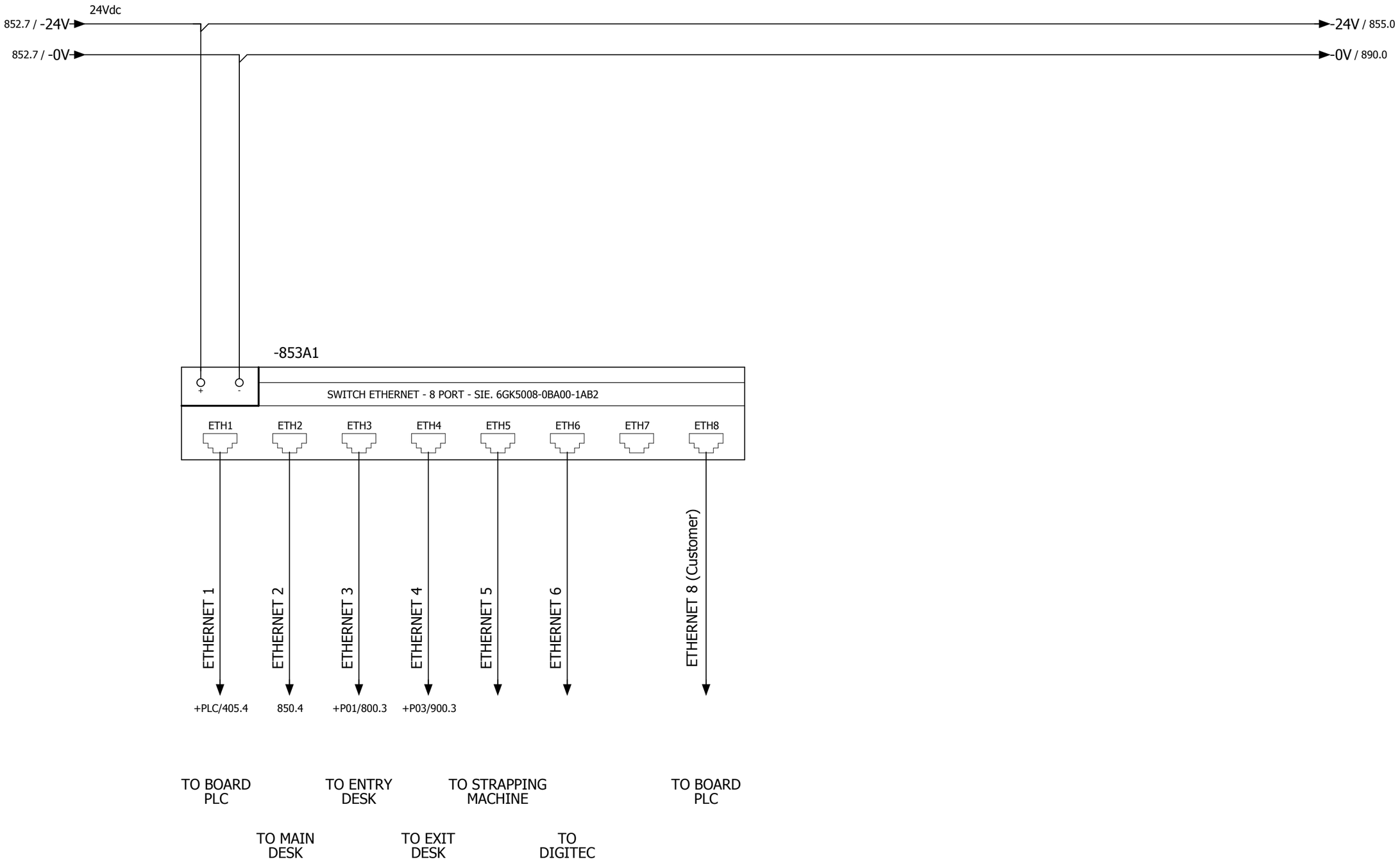


24Vdc

851.8 / -24V ▶ -24V / 853.0

851.8 / -0V ▶ -0V / 853.0

00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION MAIN DESK	NOVASTILMEC A96	= A96
				Drawn	TPM					+ **P02**
				Check	ALE				Job Nr. / Dwg.Nr. A96	Page **852**
Rev.	Descript.	Date	Name	Original				Descript.		Follow 853



Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: SWITCH ETHERNET

NOVASTILMEC A96

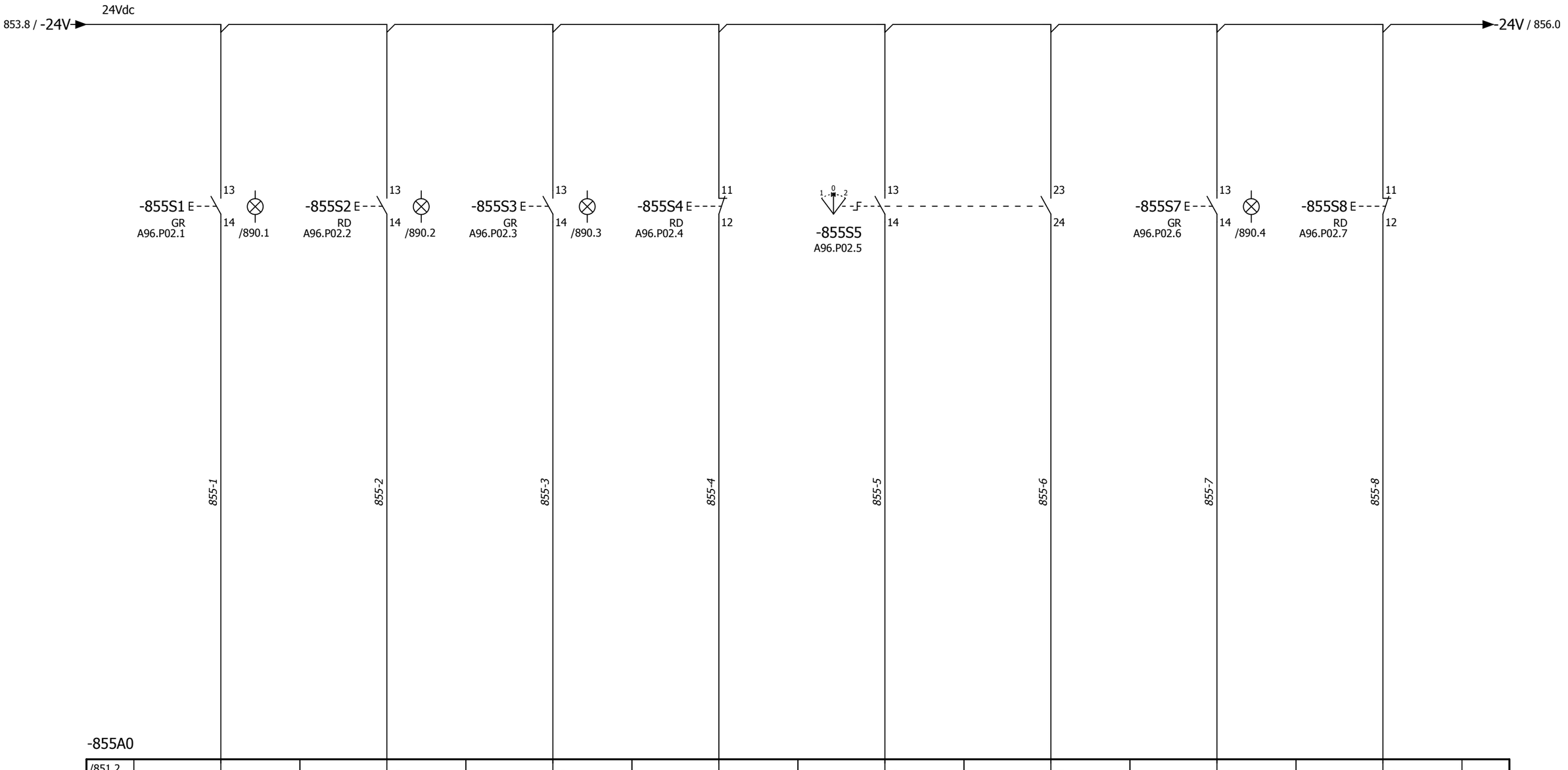
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **853**

Follow 855

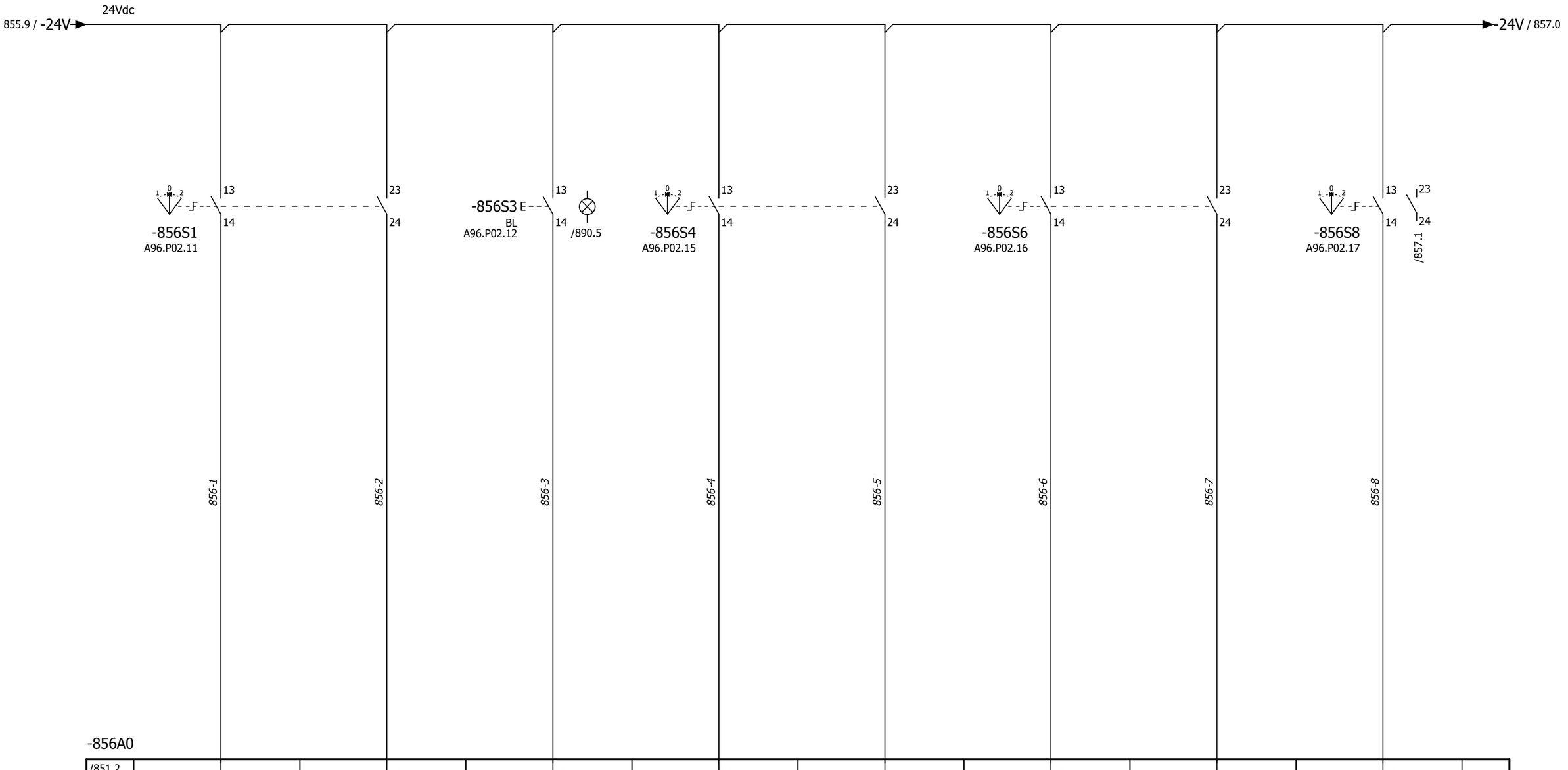


-855A0

/851.2

1	5	2	6	3	7	4	8
PLANT PRESSURE ON	HYDRAULIC EQUIPMENT STOP	UNCOILER EXPANSION	UNCOILER COLLAPSE	UNCOILER ROTATION FORWARD	UNCOILER ROTATION BACKWARD	UNCOILER TENSION ON	UNCOILER TENSION STOP
E150.0	E150.1	E150.2	E150.3	E150.4	E150.5	E150.6	E150.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0



-856A0

/851.2

1	5	2	6	3	7	4	8
UNCOILER MOTOR SIDE	UNCOILER OPERATOR SIDE	UNCOILER AUTOMATIC CENTERING	PRESSURE ARM UP	PRESSURE ARM DOWN	PRESSURE ROLL FORWARD	PRESSURE ROLL BACKWARD	UNCOILER PRESSURE ROLLS FORWARD
E151.0	E151.1	E151.2	E151.3	E151.4	E151.5	E151.6	E151.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

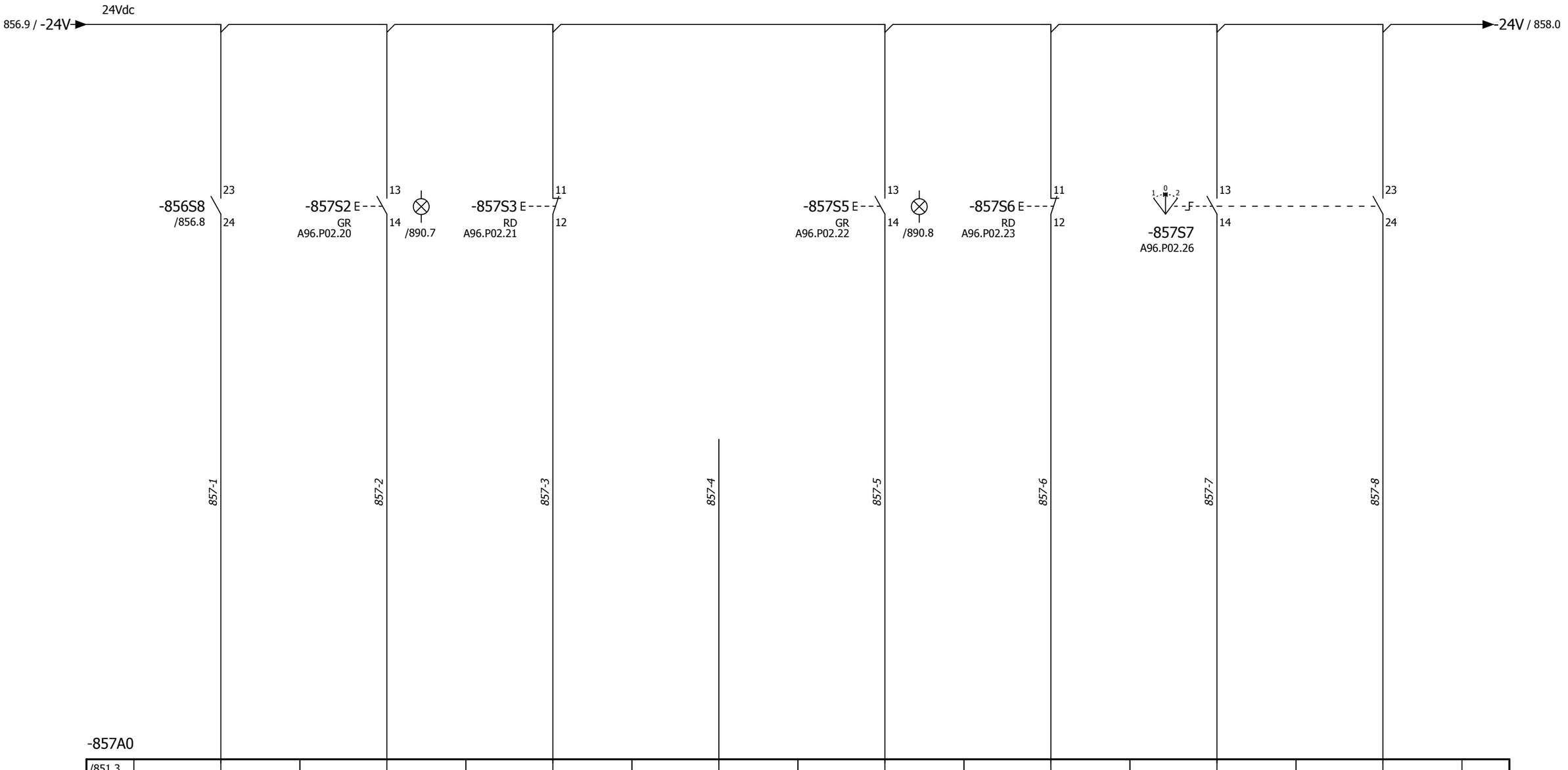
Job Nr.

Dwg.Nr. A96

= A96
+ **P02**

Page **856**

Follow 857



-857A0

/851.3

1	5	2	6	3	7	4	8
UNCOILER PRESSURE ROLLS BACKWARD	HORIZONTAL MOVEMENT PHOTOCELL	HORIZONTAL MOVEMENT PHOTOCELL STOP	SPARE	ENTRY PINCH ROLL UP/DOWN	ENTRY PINCH ROLL UP/DOWN STOP	STRAIGHTENING AND PINCH ROLL ROLLS ROTATION CLOCKWISE	STRAIGHTENING AND PINCH ROLL ROLLS ROTATION ANTICLOCKWISE
E152.0	E152.1	E152.2	E152.3	E152.4	E152.5	E152.6	E152.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

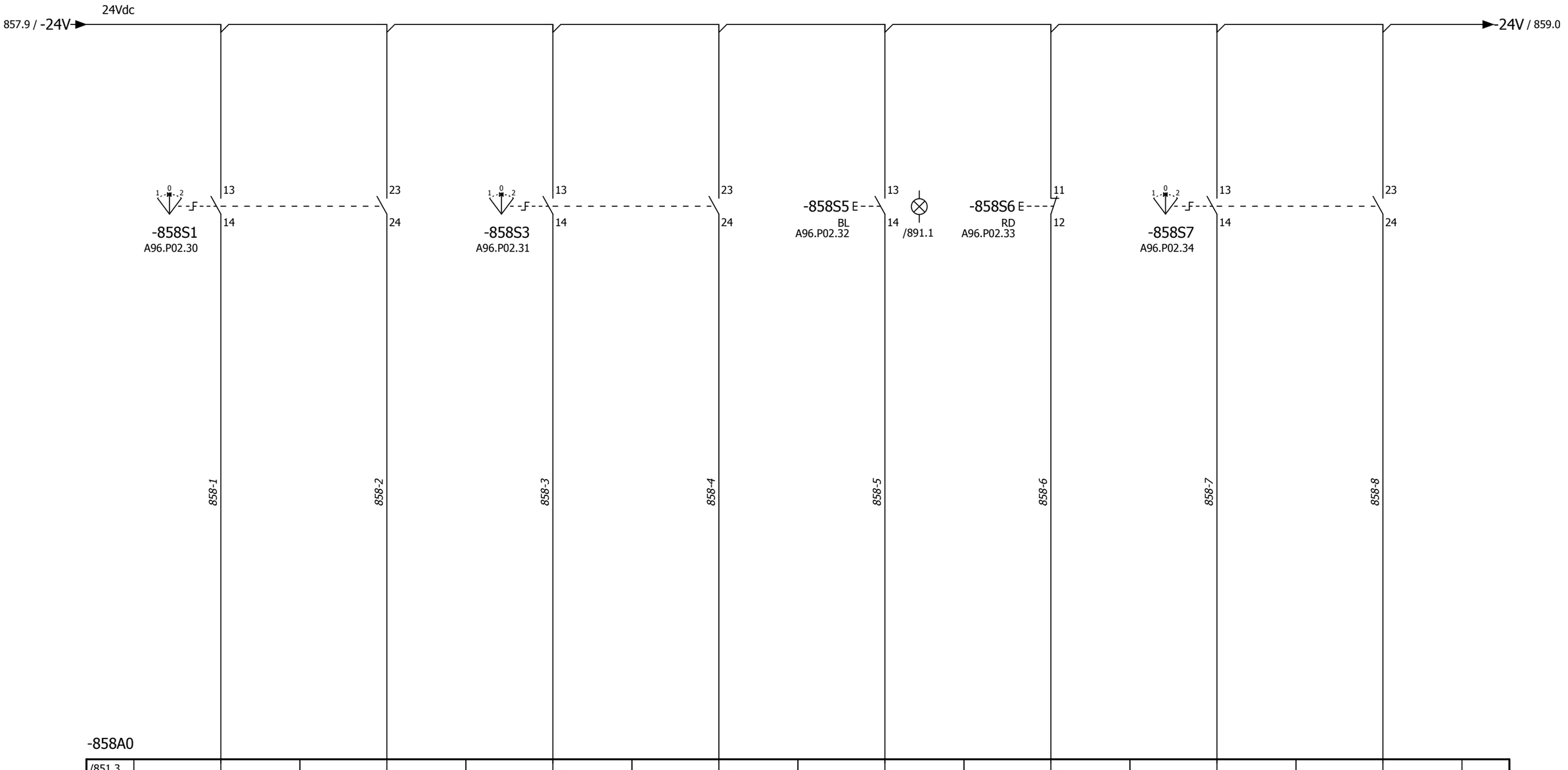
Job Nr.

Dwg.Nr. A96

= A96
+ **P02**

Page **857**

Follow 858



-858A0

/851.3

1	5	2	6	3	7	4	8
STRAIGHTENING SCREW JACK 1 UP	STRAIGHTENING SCREW JACK 1 DOWN	STRAIGHTENING SCREW JACK 2 UP	STRAIGHTENING SCREW JACK 2 DOWN	POSITIONING MACHINE START	POSITIONING MACHINE STOP	LEVELLER ROTATION FORWARD	LEVELLER ROTATION BACKWARD
E153.0	E153.1	E153.2	E153.3	E153.4	E153.5	E153.6	E153.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

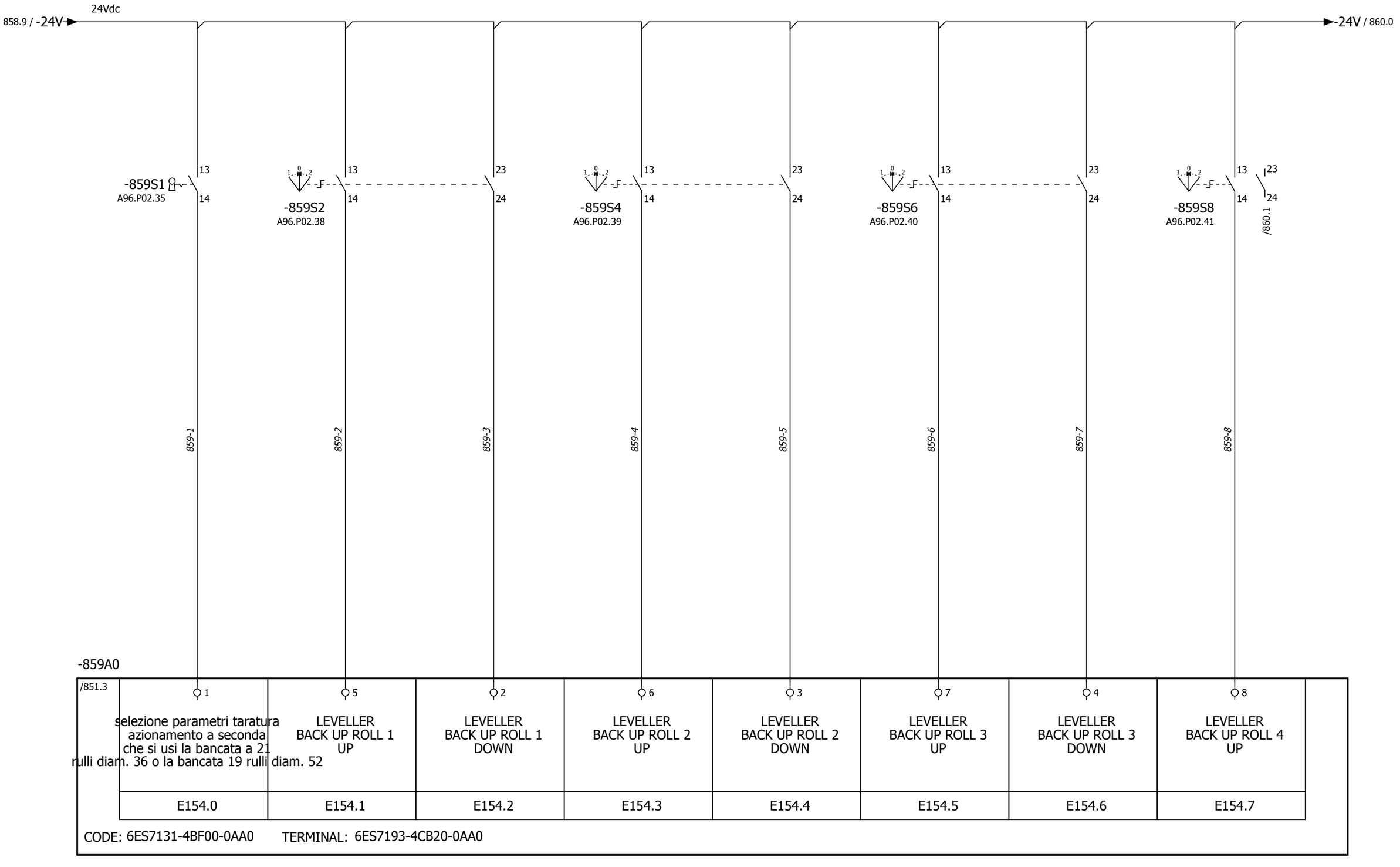
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **858**

Follow 859



-859A0

/851.3	1	5	2	6	3	7	4	8
	selezione parametri taratura azionamento a seconda che si usi la bancata a 21 rulli diam. 36 o la bancata 19 rulli diam. 52	LEVELLER BACK UP ROLL 1 UP	LEVELLER BACK UP ROLL 1 DOWN	LEVELLER BACK UP ROLL 2 UP	LEVELLER BACK UP ROLL 2 DOWN	LEVELLER BACK UP ROLL 3 UP	LEVELLER BACK UP ROLL 3 DOWN	LEVELLER BACK UP ROLL 4 UP
	E154.0	E154.1	E154.2	E154.3	E154.4	E154.5	E154.6	E154.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

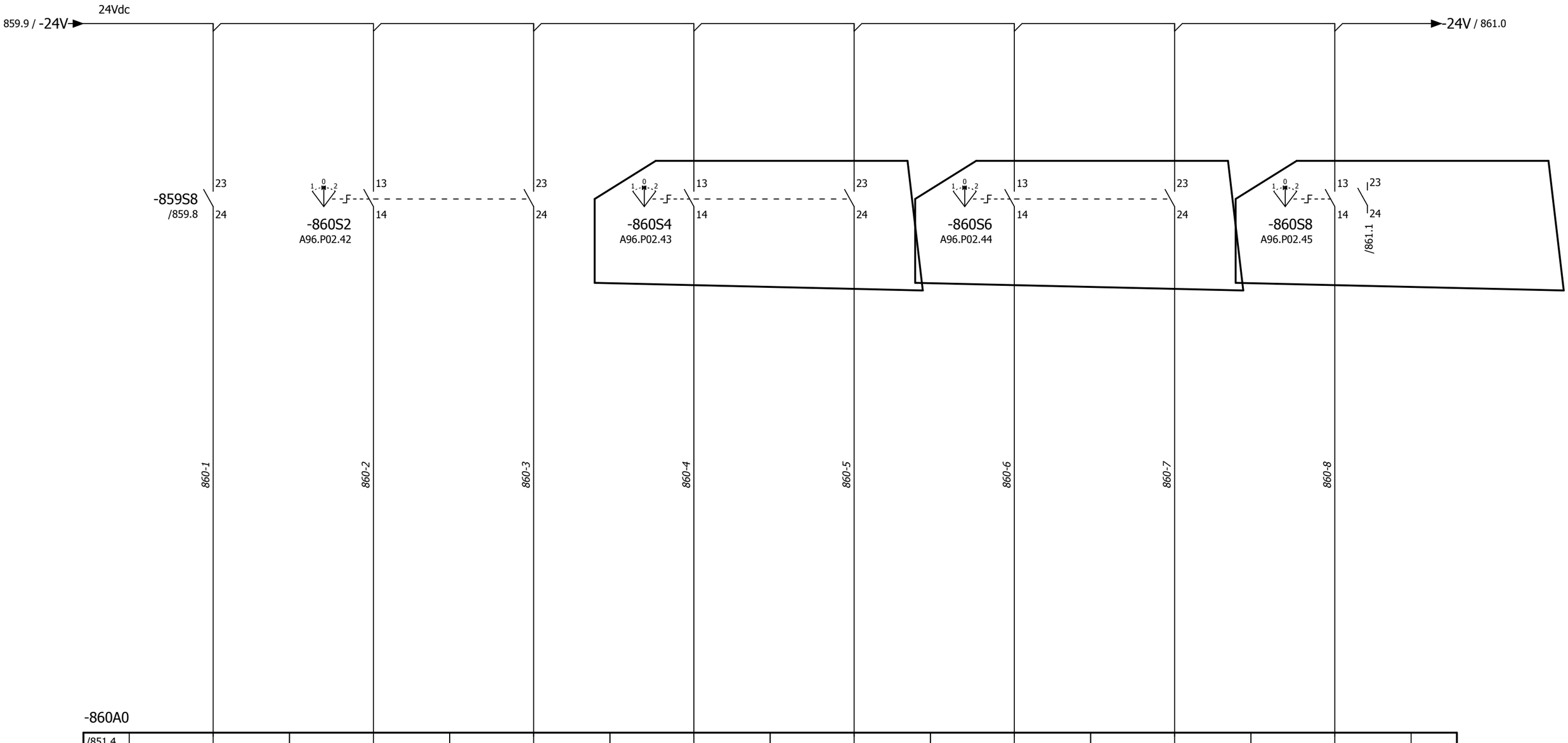
GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96		= A96 + **P02**
Job Nr.	Dwg.Nr. A96	Page **859**
		Follow 860

0	1	2	3	4	5	6	7	8	9



-860A0

/851.4

1	5	2	6	3	7	4	8
LEVELLER BACK UP ROLL 4 DOWN	LEVELLER BACK UP ROLL 5 UP	LEVELLER BACK UP ROLL 5 DOWN	LEVELLER SCREW JACK 1 UP	LEVELLER SCREW JACK 1 DOWN	LEVELLER SCREW JACK 2 UP	LEVELLER SCREW JACK 2 DOWN	LEVELLER SCREW JACK 3 UP
E155.0	E155.1	E155.2	E155.3	E155.4	E155.5	E155.6	E155.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

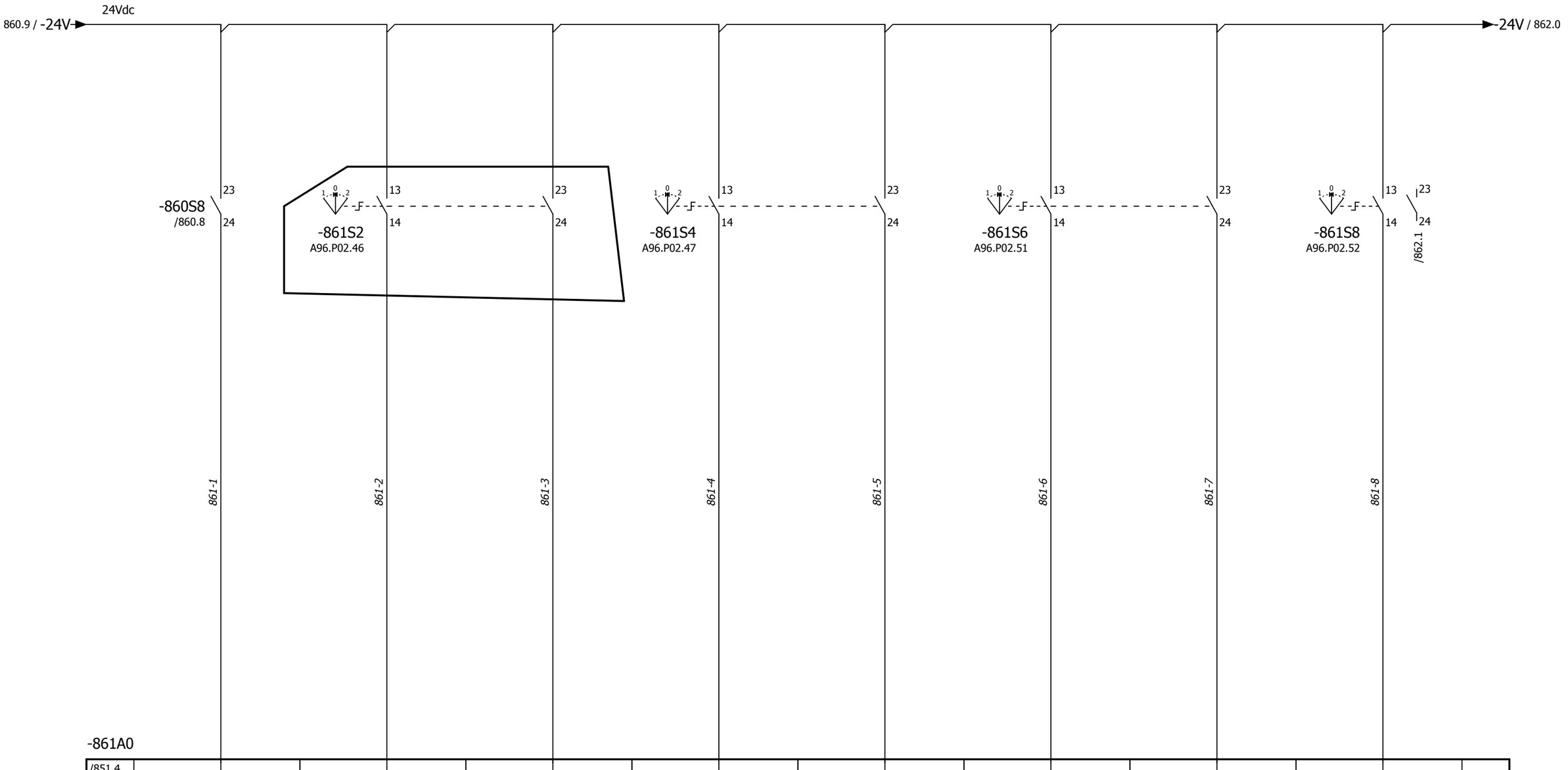
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **860**

Follow 861



-861A0

/851.4

1	5	2	6	3	7	4	8
LEVELLER SCREW JACK 3 DOWN	LEVELLER SCREW JACK 4 UP	LEVELLER SCREW JACK 4 DOWN	LEVELLER UPPER TABLE UP	LEVELLER UPPER TABLE DOWN	LEVELLER UPPER TABLE UP FOR LOCKING	LEVELLER UPPER TABLE UP FOR UNLOCKING	LEVELLER UPPER TABLE ROTATING FOR LOCKING
E156.0	E156.1	E156.2	E156.3	E156.4	E156.5	E156.6	E156.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

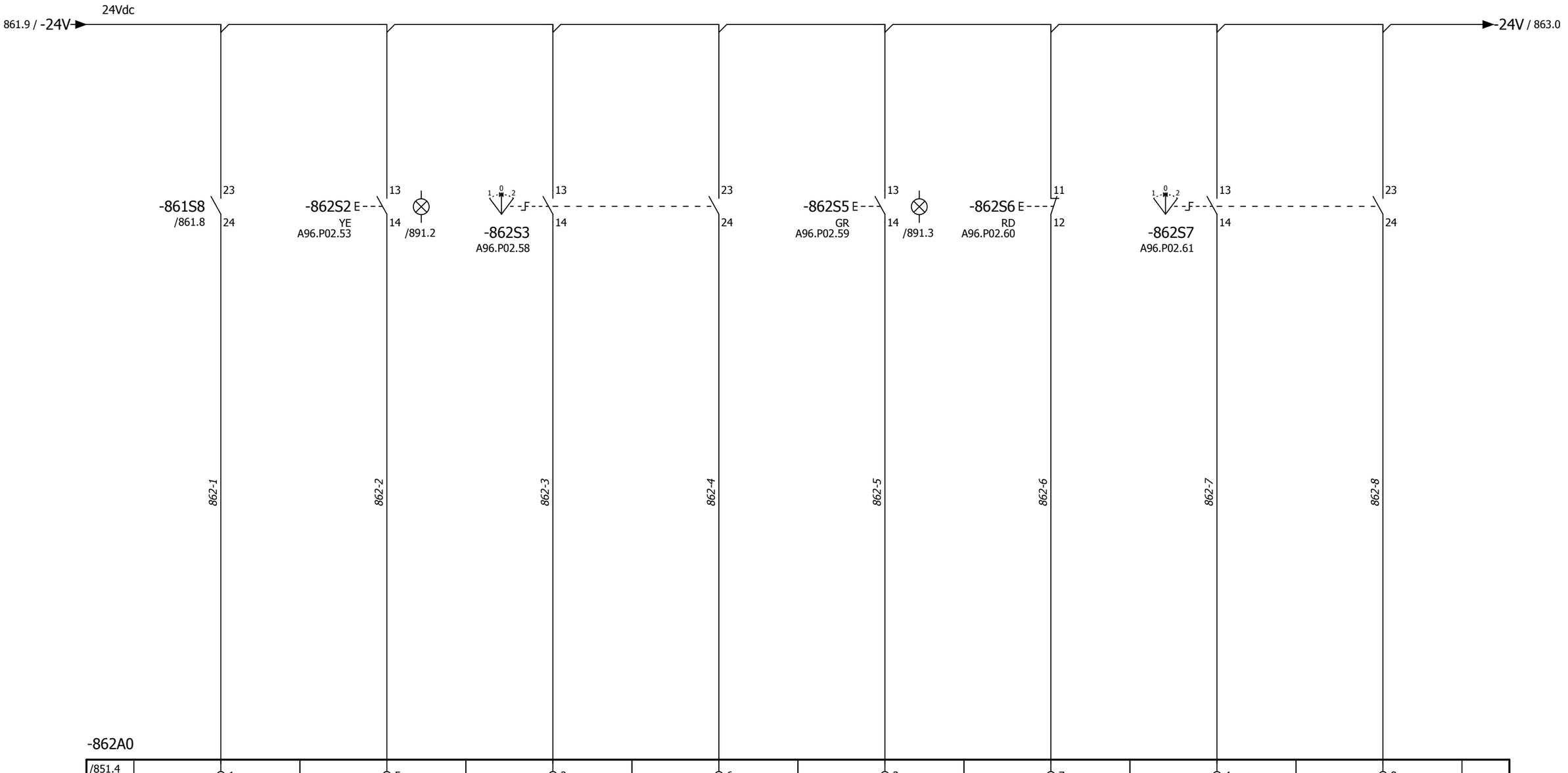
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **861**

Follow 862



-862A0

/851.4

1	5	2	6	3	7	4	8
LEVELLER UPPER TABLE ROTATING FOR UNLOCKING	LEVELLER RESET GREASE LUBRICATION	ROOLS CLEANING	ROOLS CLEANING	ROOLS CLEANING	ROOLS CLEANING STOP	ENTRY TABLE ispezione a specchi	ENTRY TABLE ispezione a specchi
E157.0	E157.1	E157.2	E157.3	E157.4	E157.5	E157.6	E157.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

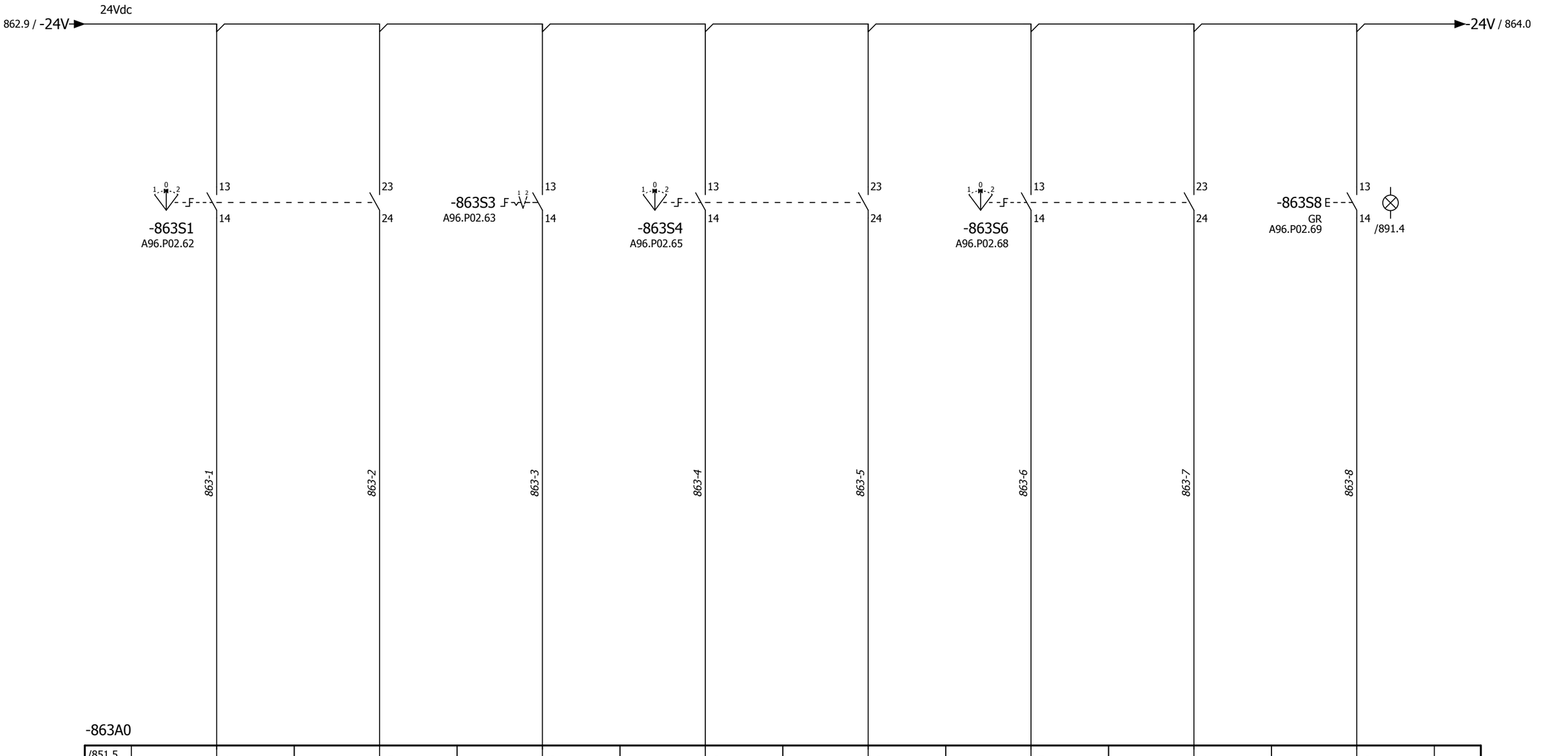
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **862**

Follow 863



-863A0

/851.5	1	5	2	6	3	7	4	8
	OVERPASSING TABLE ispezione a specchi	OVERPASSING TABLE ispezione a specchi	illuminazione ispezione specchi	ROLL PLASTICIZING ROTATION FORWARD	ROLL PLASTICIZING ROTATION BACKWARD	Traslazione orizzontale del supporto rotoli superiore	Traslazione orizzontale del supporto rotoli superiore	UPPER ROLL PLASTICIZING UP
	E158.0	E158.1	E158.2	E158.3	E158.4	E158.5	E158.6	E158.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

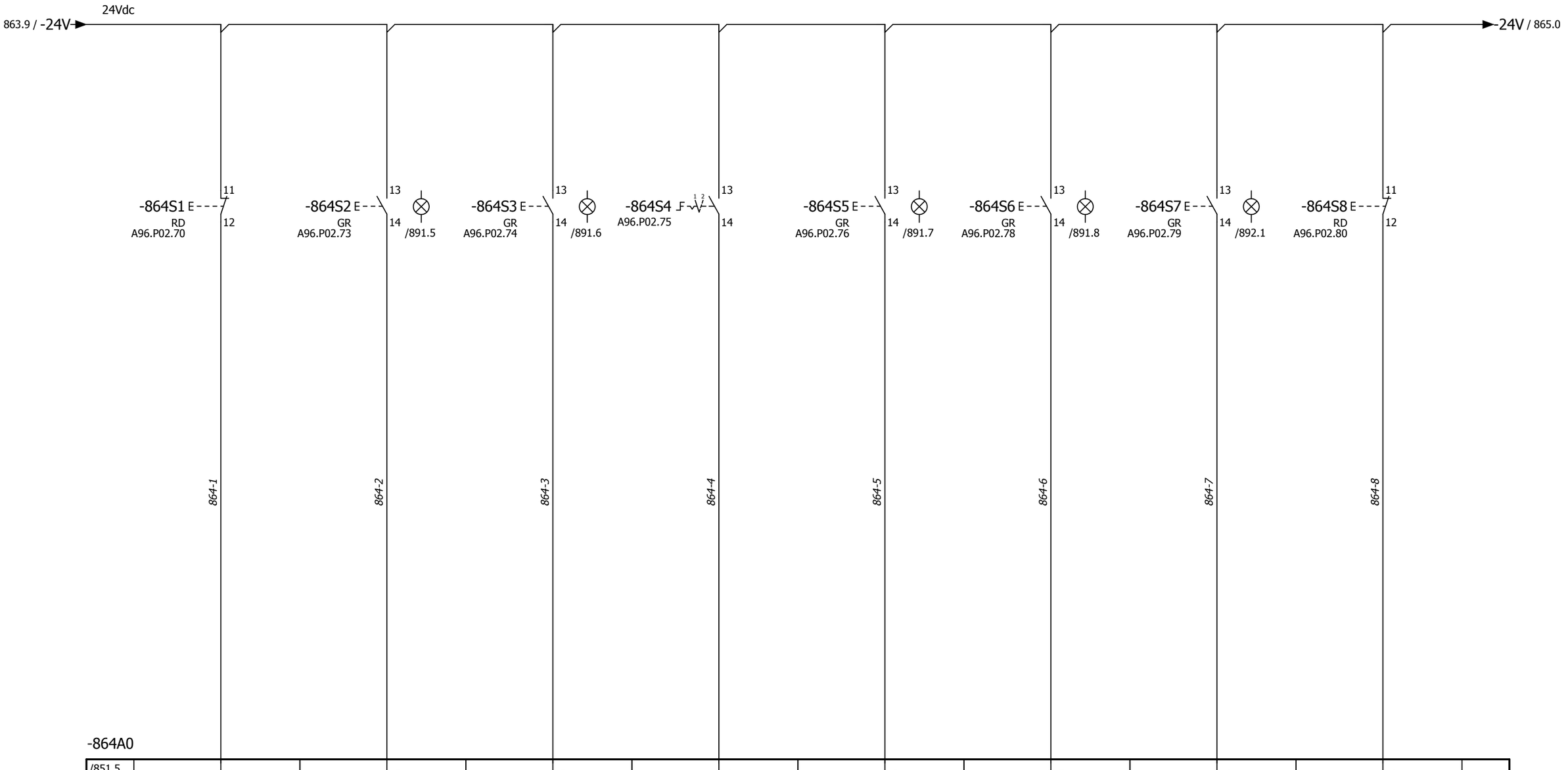
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **863**

Follow 864



-864A0

/851.5

1	5	2	6	3	7	4	8
UPPER ROLL PLASTICIZING STOP	INSERTION OF HEATING LAMP LOWER PAPER	INSERTION OF HEATING LAMP LOWER PAPER	SELECTION OPERATION HEATING LAMP LOWER PAPER	INSERTION OF HEATING LAMP LOWER PAPER	inserzione elettrizzatori 1 e 2	MEASURING WHEEL POSITIONING	MEASURING WHEEL POSITIONING STOP
E159.0	E159.1	E159.2	E159.3	E159.4	E159.5	E159.6	E159.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

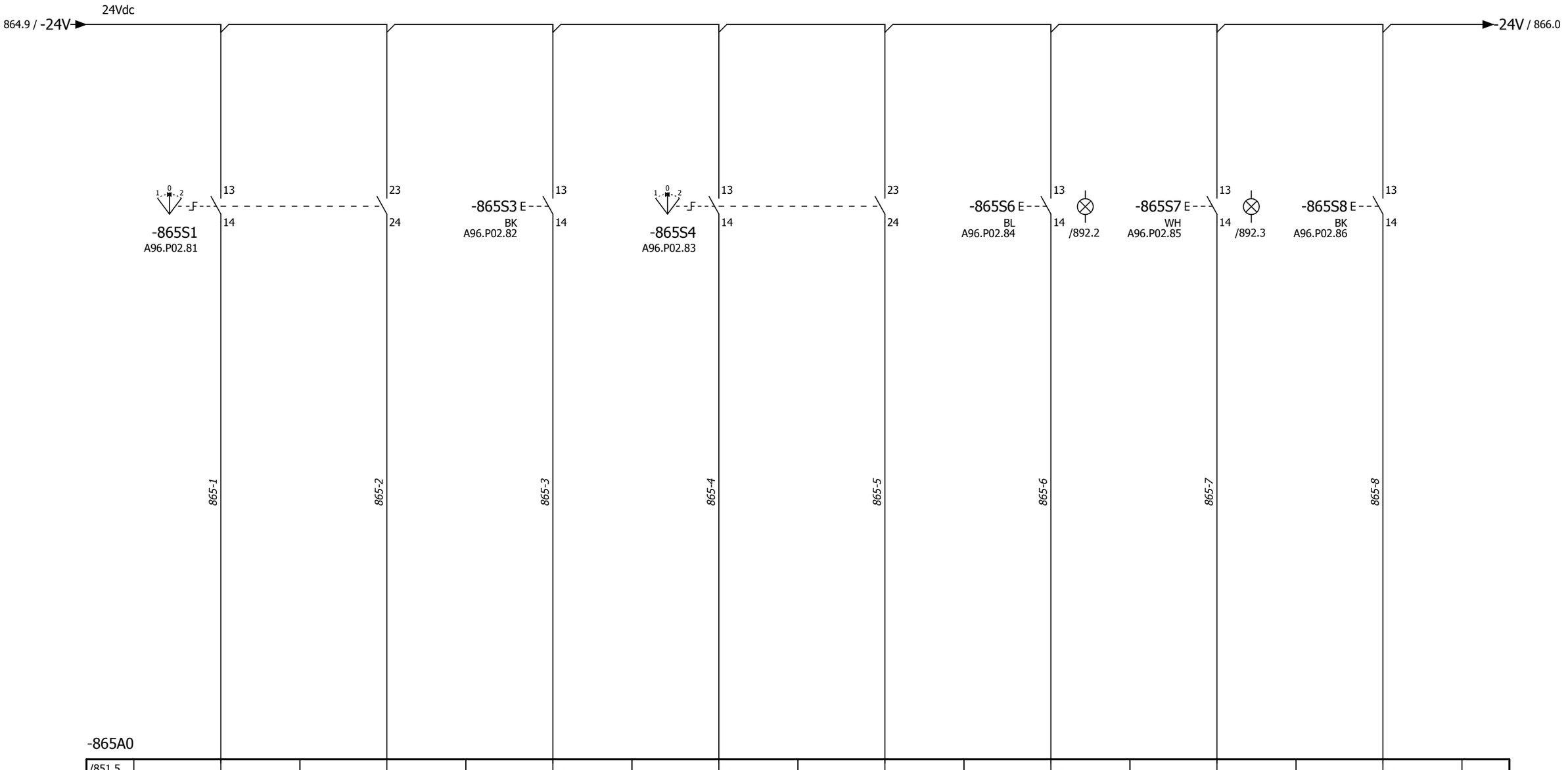
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **864**

Follow 865



-865A0

/851.5

1	5	2	6	3	7	4	8
TAIL PINCH ROLL FORWARD	TAIL PINCH ROLL BACKWARD	TAIL PINCH ROLL FORWARD/BACKWARD	TAIL PINCH ROLL UP	TAIL PINCH ROLL DOWN	ROTARY SHEAR ALARM RESET	ROTARY SHEAR BUS INSERTION	ROTARY SHEAR BUS UNINSERTION
E160.0	E160.1	E160.2	E160.3	E160.4	E160.5	E160.6	E160.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

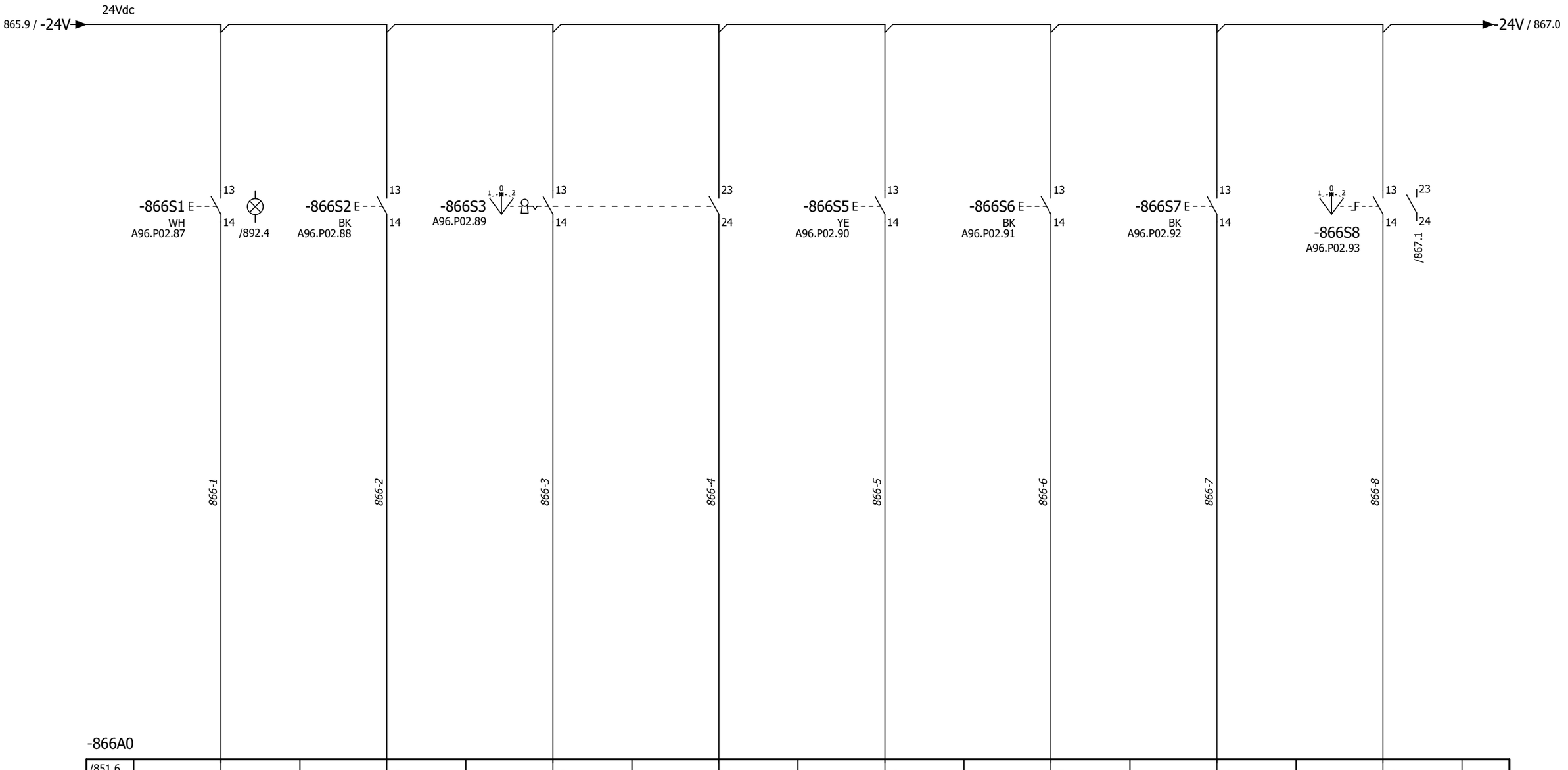
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **865**

Follow 866



-866A0

/851.6

1	5	2	6	3	7	4	8
ROTARY SHEAR AUTOMATIC	ROTARY SHEAR MANUAL	ROTARY SHEAR BLADES ROTATING CLOCKWISE	ROTARY SHEAR BLADES ROTATING ANTICLOCKWISE	JOG ROTARY SHEAR WITH MATERIAL	ROTARY SHEAR SCRAP CUTTING	ROTARY SHEAR TEST CUTTING	ROTARY SHEAR SETTING BLADE GAP INCREASE
E161.0	E161.1	E161.2	E161.3	E161.4	E161.5	E161.6	E161.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

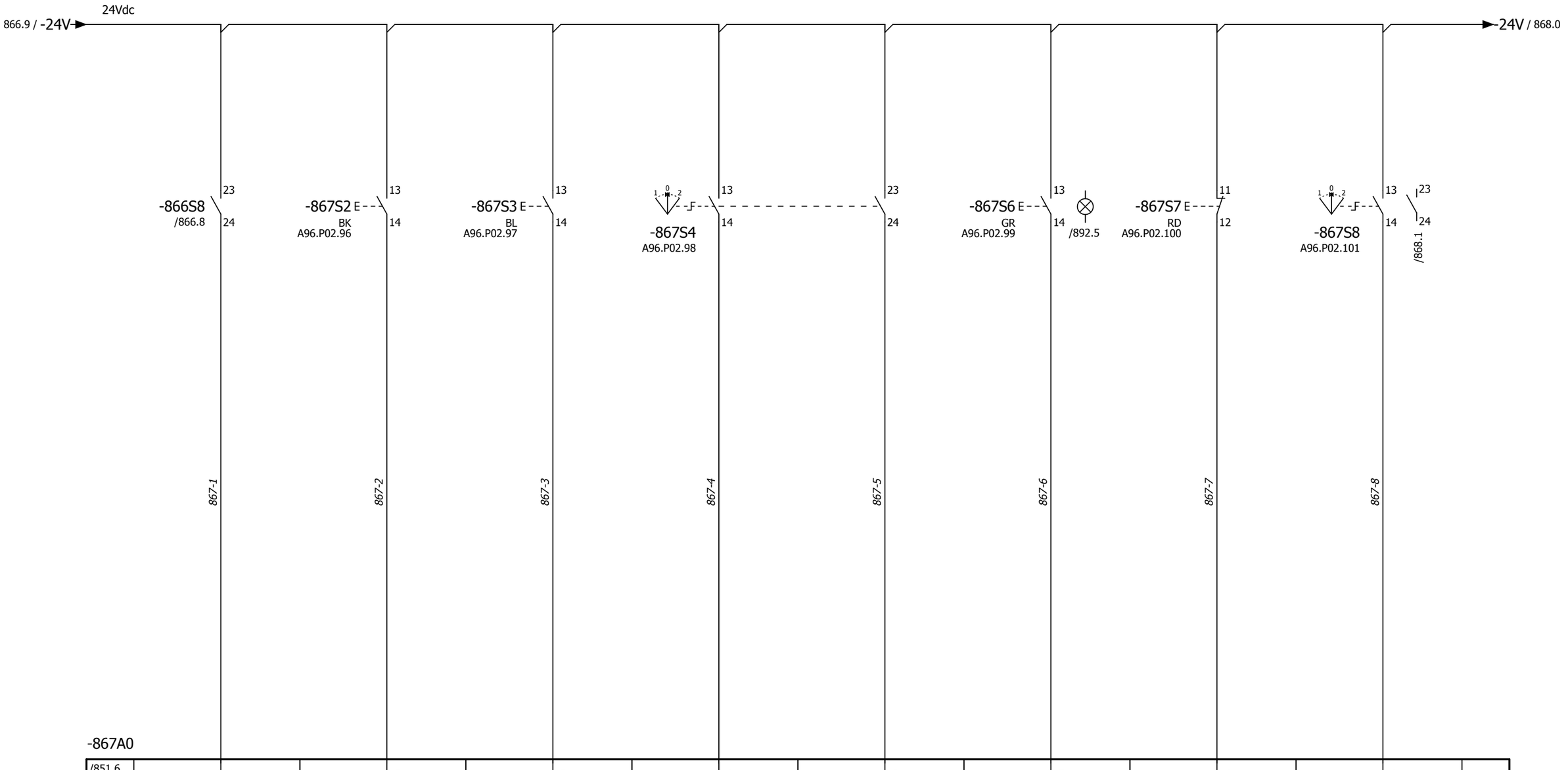
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **866**

Follow 867



-867A0

/851.6

1	5	2	6	3	7	4	8
ROTARY SHEAR SETTING BLADE GAP DECREASE	JOG ROTARY SHEAR WITH MATERIAL	COUNTING RESET	BELT CONVEYOR 1 FORWARD	BELT CONVEYOR 1 BACKWARD	BELT CONVEYOR 1 ROTATION	BELT CONVEYOR 1 ROTATION STOP	BELT CONVEYOR 1 CLOCKWISE
E162.0	E162.1	E162.2	E162.3	E162.4	E162.5	E162.6	E162.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

NOVASTILMEC A96

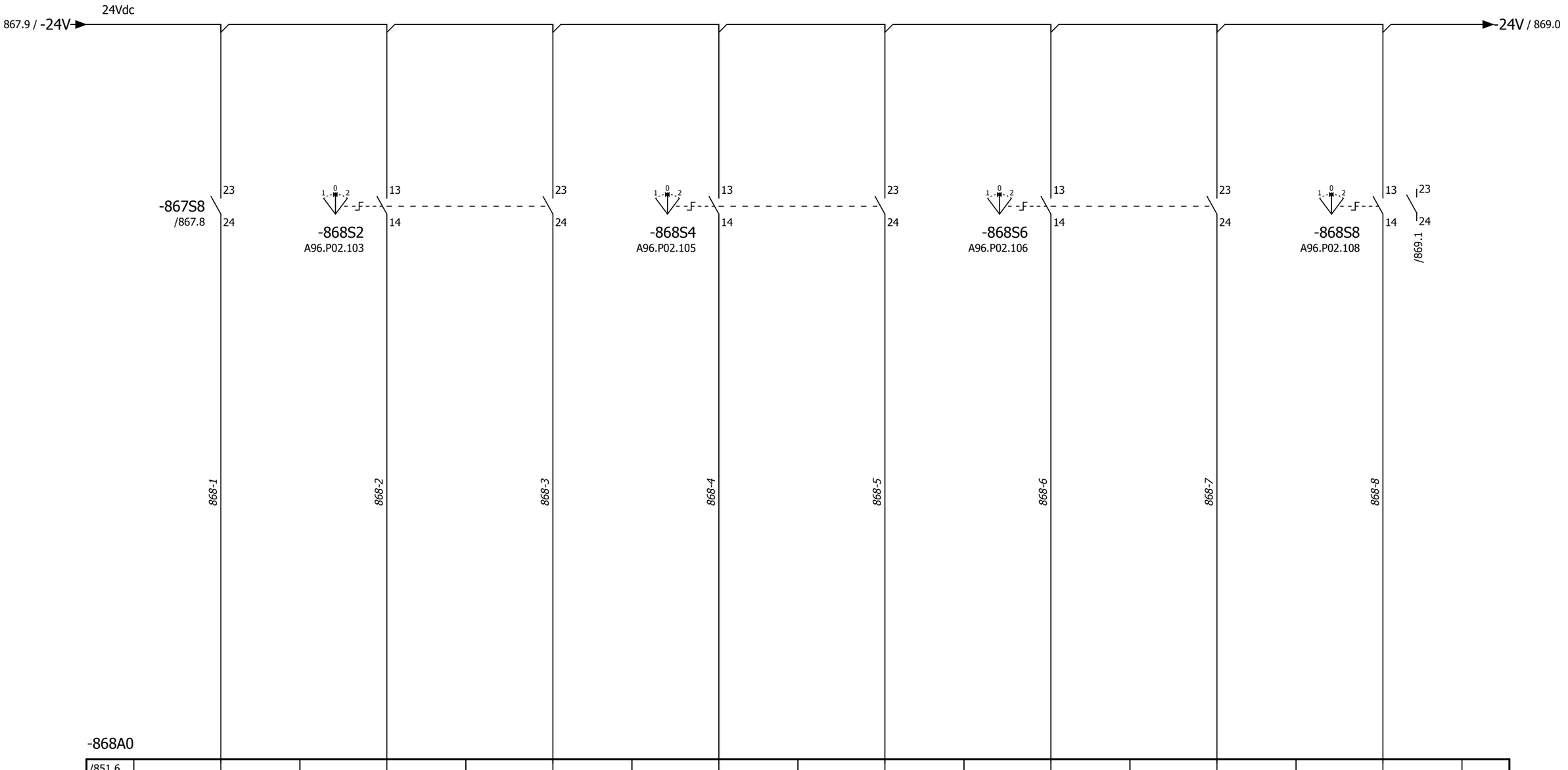
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **867**

Follow 868



-868A0

/851.6

1	5	2	6	3	7	4	8
BELT CONVEYOR 1 ANTICLOCKWISE	PINCH ROLL BELT CONVEYOR 1 FORWARD	PINCH ROLL BELT CONVEYOR 1 BACKWARD	BELT CONVEYOR 2 UP	BELT CONVEYOR 2 DOWN	BELT CONVEYOR 2 CLOCKWISE	BELT CONVEYOR 2 ANTICLOCKWISE	PINCH ROLL BELT CONVEYOR 2 FORWARD
E163.0	E163.1	E163.2	E163.3	E163.4	E163.5	E163.6	E163.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

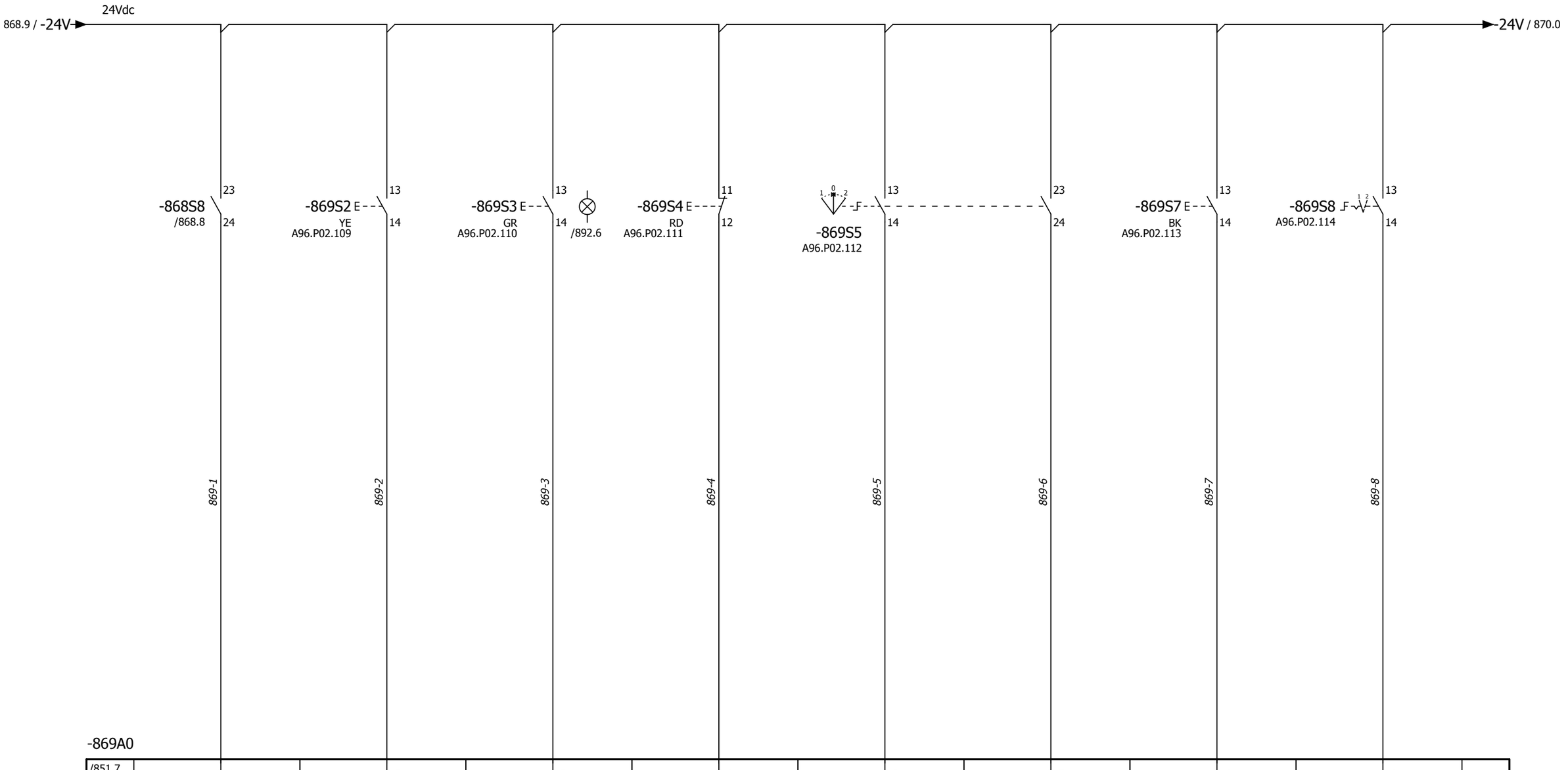
Job Nr.

Dwg.Nr. A96

= A96
+ **P02**

Page **868**

Follow 869



-869A0

/851.7

1	5	2	6	3	7	4	8
PINCH ROLL BELT CONVEYOR 2 BACKWARD	rotazione supporto foglio	STACKER 1 AUTOMATIC 2° SELECTION	STACKER 1 AUTOMATIC 2° SELECTION STOP	PINCH ROLL ROTATION ENTRY STACKER 1 CLOCKWISE	PINCH ROLL ROTATION ENTRY STACKER 1 ANTICLOCKWISE	PINCH ROLL ENTRY STACKER 1	AIR CUSHION FOR FAN SUPPORT SHEET
E164.0	E164.1	E164.2	E164.3	E164.4	E164.5	E164.6	E164.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

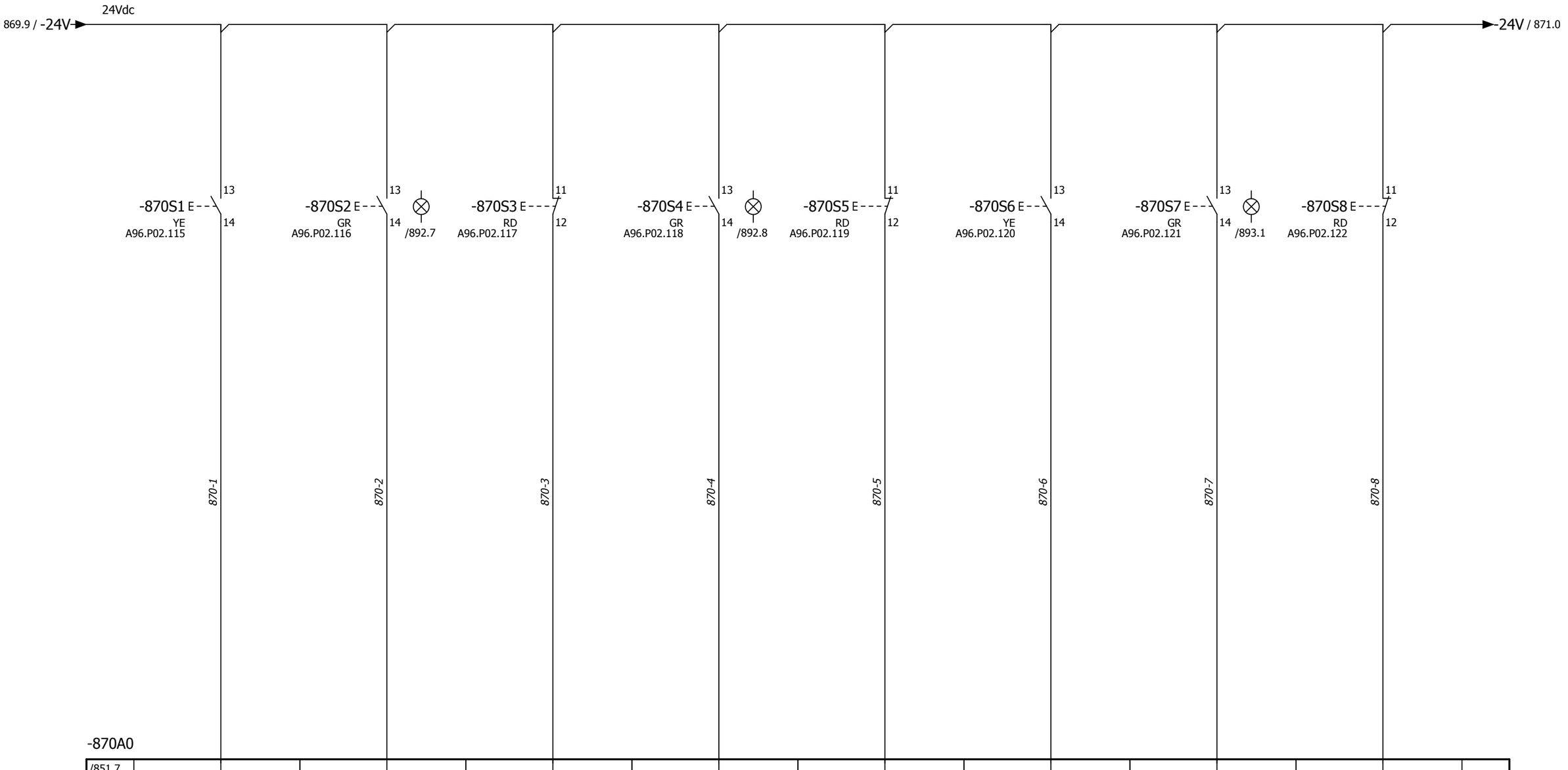
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **869**

Follow 870



-870A0

/851.7

1	5	2	6	3	7	4	8
ROTATION SUPPORT SHEET O.S./ M.S. AND MOTORIZATION STACKER 1° SELECTION-1° BOX	ROTATION SHEETS TRANSPORT STACKER - O.S./M.S.	ROTATION SHEETS TRANSPORT STACKER - O.S./M.S. STOP	AUTOMATIC STACKER 1° SELECTION- 1° BOX	AUTOMATIC STACKER 1° SELECTION- 1° BOX STOP	ROTATION SUPPORT SHEET O.S./ M.S. AND MOTORIZATION STACKER 1° SELECTION- 2° BOX	STACKER AUTOMATIC 1° SELECTION- 2° BOX	STACKER AUTOMATIC 1° SELECTION- 2° BOX STOP
E165.0	E165.1	E165.2	E165.3	E165.4	E165.5	E165.6	E165.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

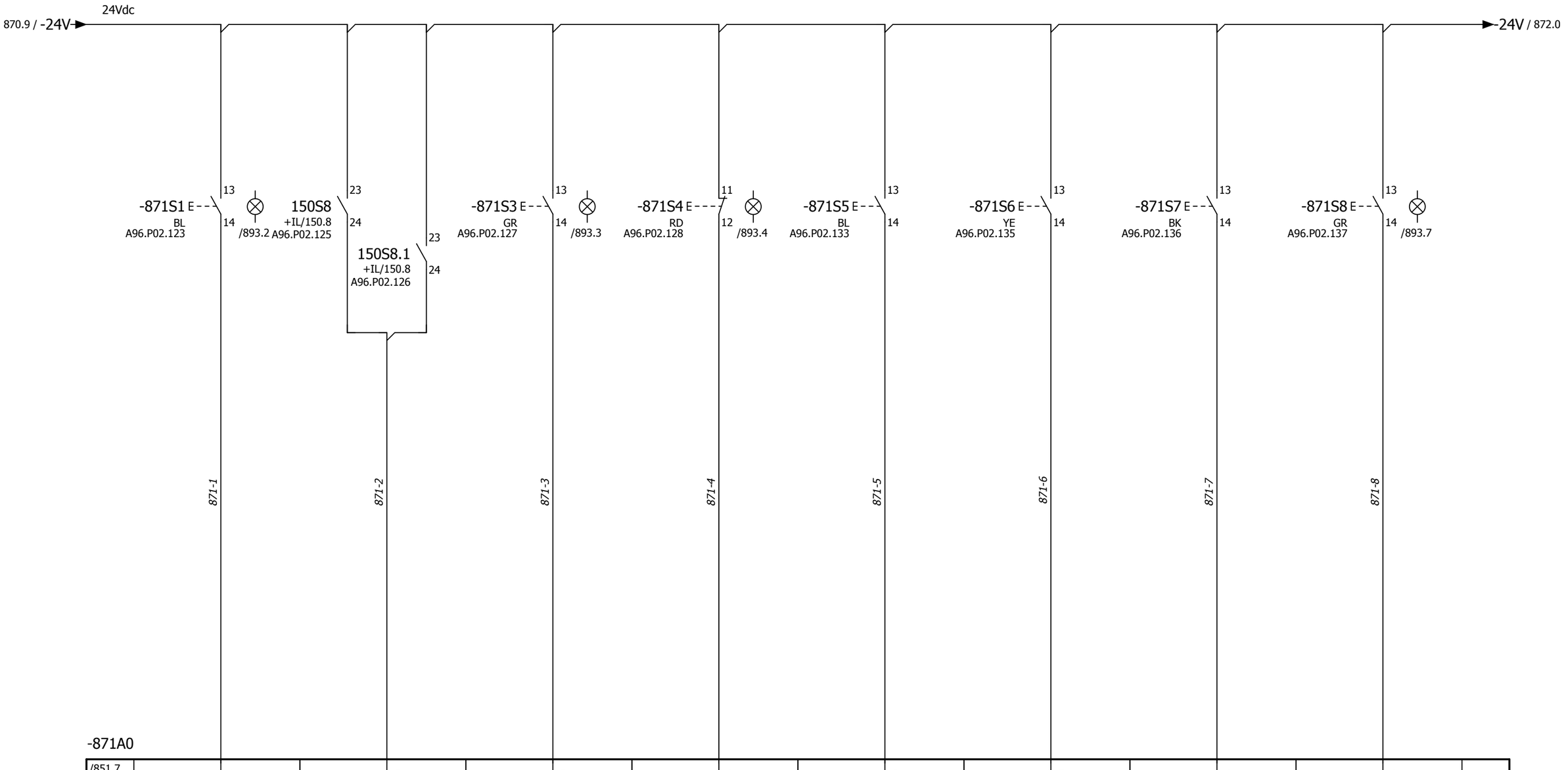
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **870**

Follow 871



-871A0

/851.7	1	5	2	6	3	7	4	8
	RESET SAFETY AREA 2	EMERGENCY PUSH BUTTON	START LINE	STOP LINE	RESET	JOG FORWARD SECTION	JOG FORWARD SECTION	ENABLE PUSH BUTTON
	E166.0	E166.1	E166.2	E166.3	E166.4	E166.5	E166.6	E166.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

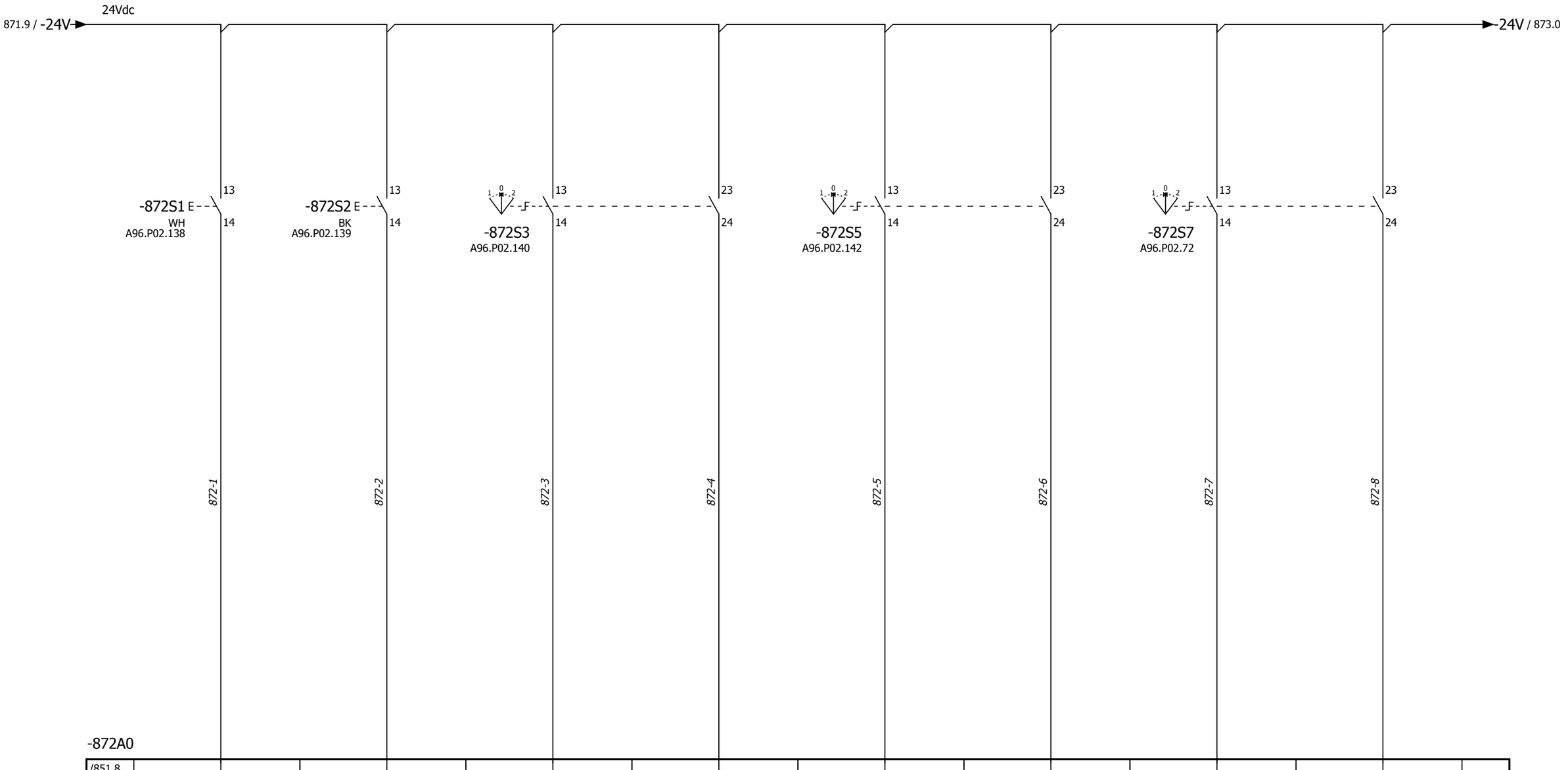
Job Nr.

Dwg.Nr. A96

= A96
+ **P02**

Page **871**

Follow 872



-872A0

/851.8

1	5	2	6	3	7	4	8
LINE SPEED INCREASE	LINE SPEED DECREASE	BELT CONVEYOR 3 ROTATION FORWARD	BELT CONVEYOR 3 ROTATION BACKWARD	PINCH ROLL BELT CONVEYOR 3 FORWARD	PINCH ROLL BELT CONVEYOR 3 BACKWARD	Traslazione orizzontale del supporto rotoli inferiore	Traslazione orizzontale del supporto rotoli inferiore
E167.0	E167.1	E167.2	E167.3	E167.4	E167.5	E167.6	E167.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

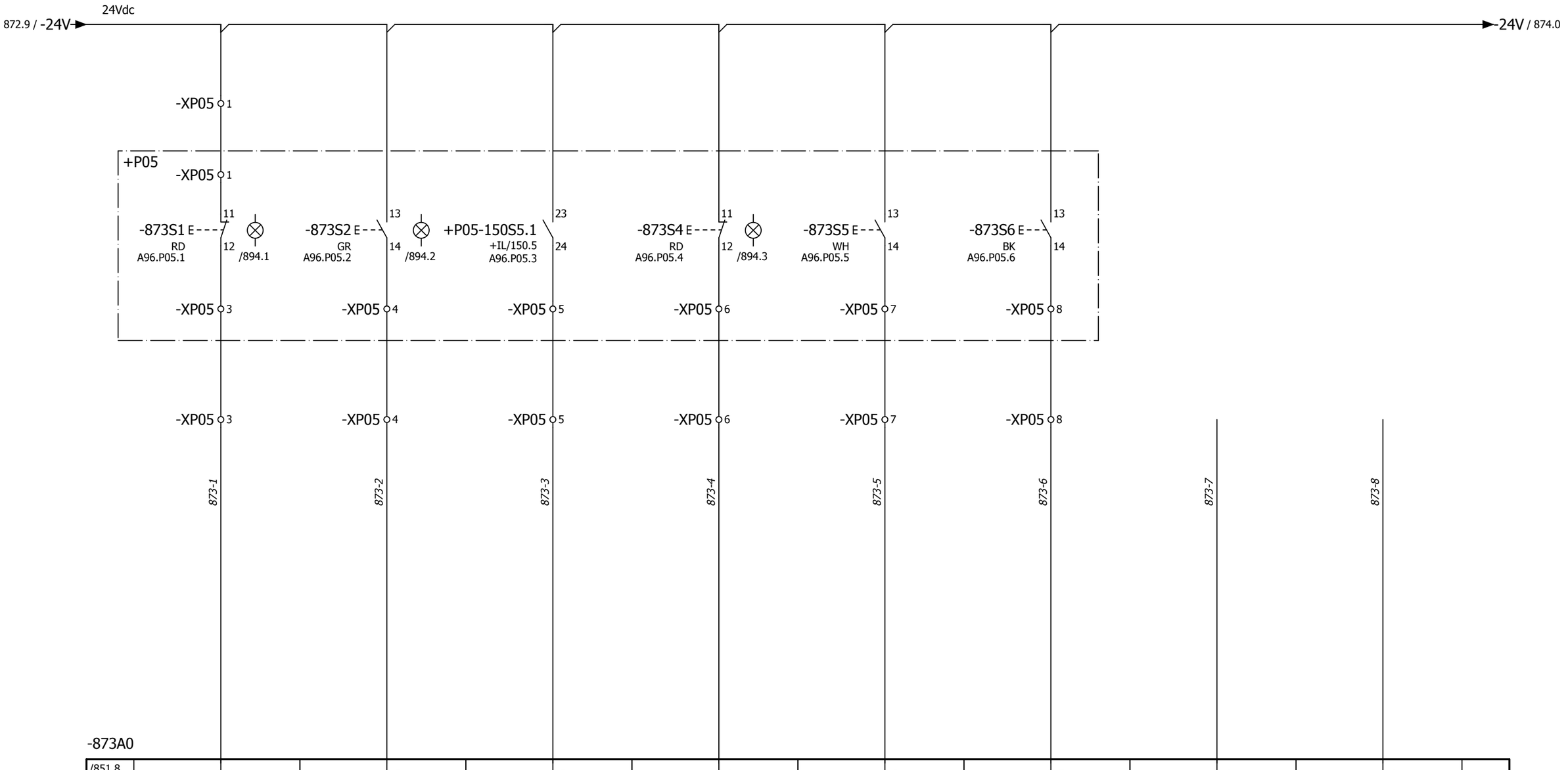
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **872**

Follow 873



-873A0

/851.8	1	5	2	6	3	7	4	8
	MATERIAL SELECTION	MATERIAL SELECTION	EMERGENCY PUSH BUTTON	STOP LINE	LINE SPEED INCREASE	LINE SPEED DECREASE	SPARE	SPARE
	E168.0	E168.1	E168.2	E168.3	E168.4	E168.5	E168.6	E168.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

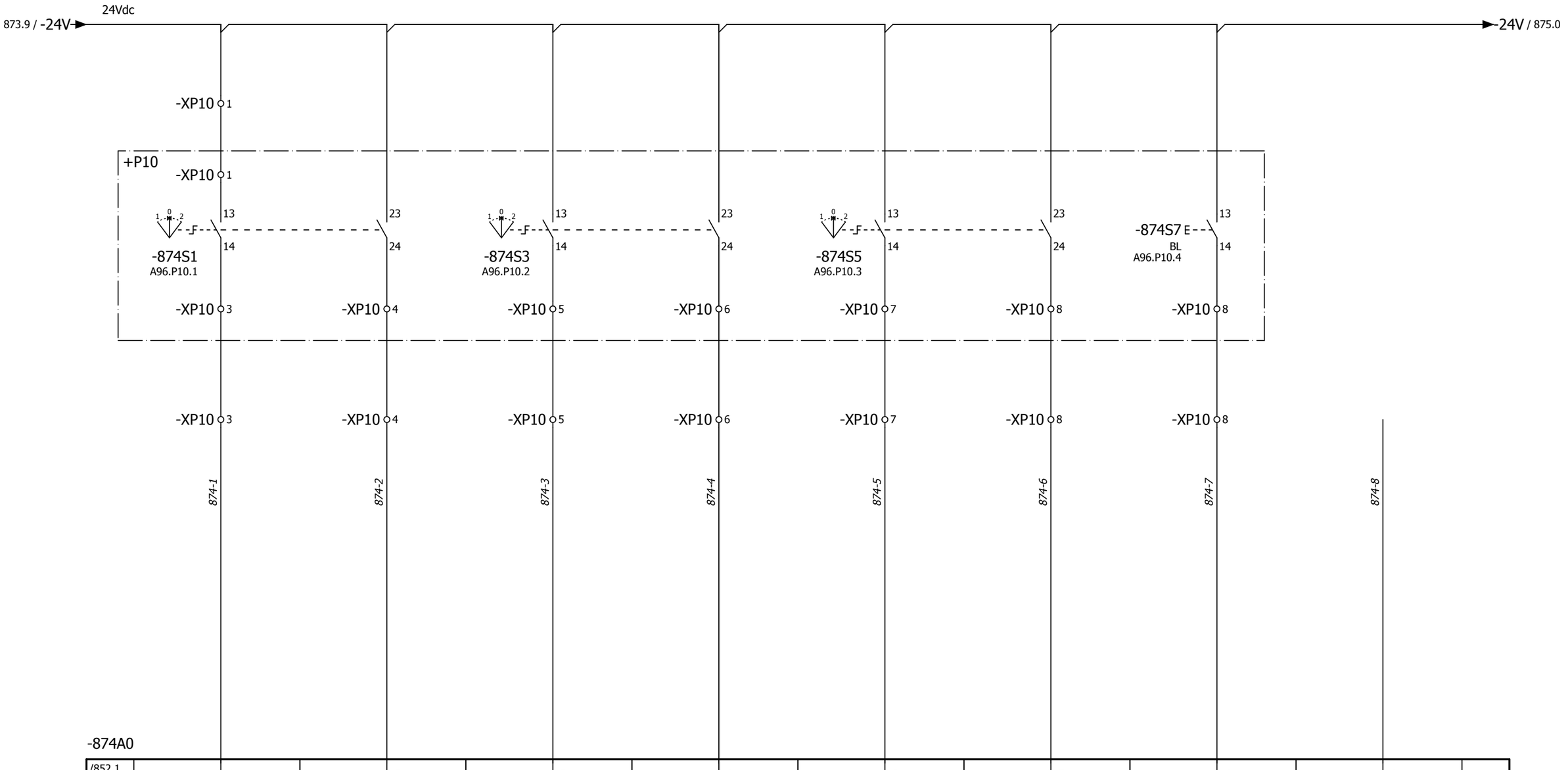
NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **P02**

Page **873**
Follow 874



-874A0

/852.1	1	5	2	6	3	7	4	8
	movimento orizzontale dispositivo aggancio bancata raddrizzatrice per estrazione	movimento orizzontale dispositivo aggancio bancata raddrizzatrice per introduzione	movimento orizzontale dispositivo aggancio bancata raddrizzatrice per estrazione	movimento orizzontale dispositivo aggancio bancata raddrizzatrice per introduzione	movimento orizzontale dispositivo aggancio bancata raddrizzatrice per estrazione	movimento orizzontale dispositivo aggancio bancata raddrizzatrice per introduzione	ENABLE MOVEMENT	SPARE
	E169.0	E169.1	E169.2	E169.3	E169.4	E169.5	E169.6	E169.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

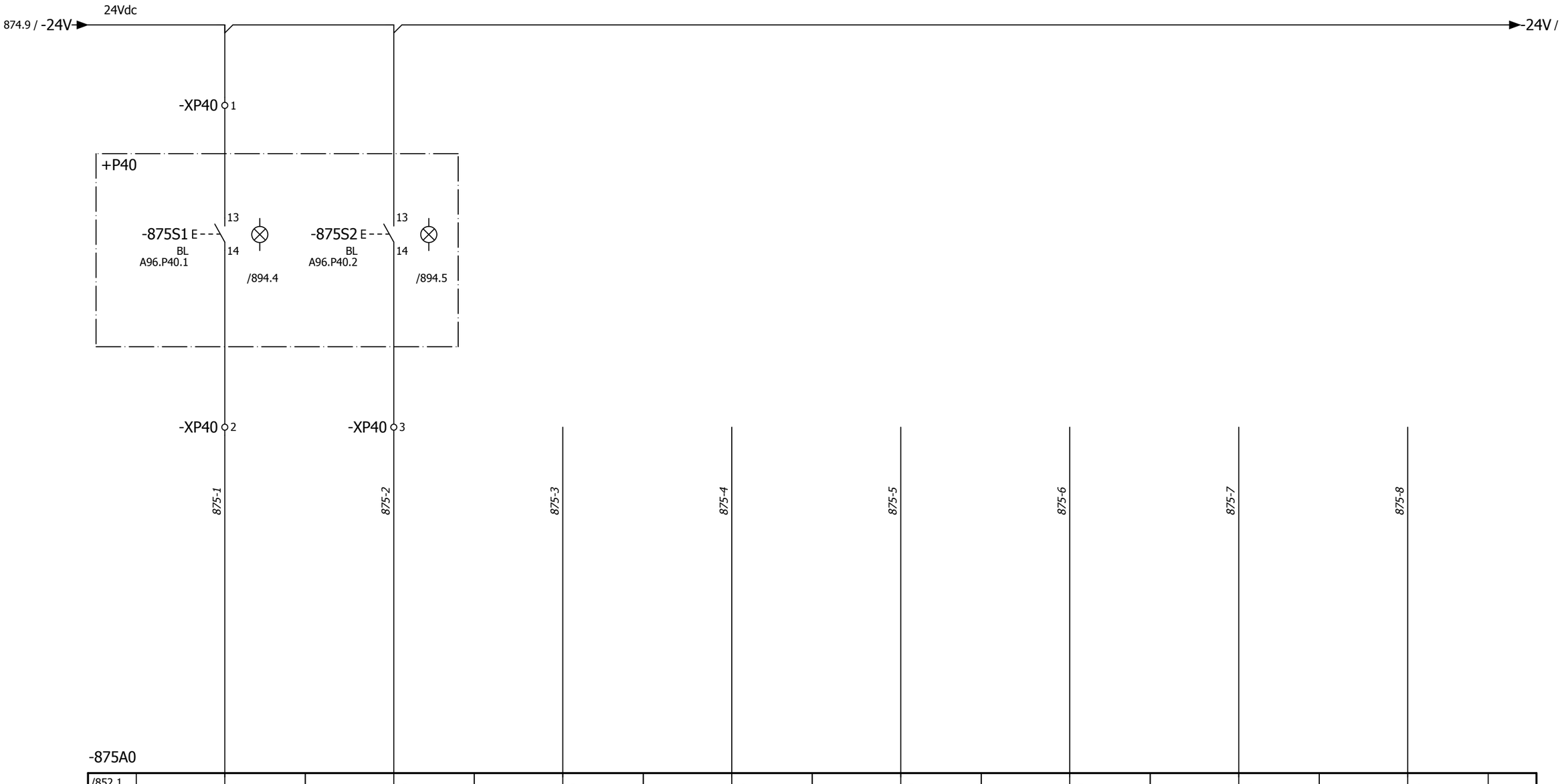
= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **874**

Follow 875



-875A0

/852.1

1	5	2	6	3	7	4	8
OPEN GATE CENTRAL AREA	RESET GATE CENTRAL AREA	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
E170.0	E170.1	E170.2	E170.3	E170.4	E170.5	E170.6	E170.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012		
Drawn	TPM		
Check	ALE		
Original			

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96

+ **P02**

Job Nr.

Dwg.Nr. A96

Page **875**

Follow 890

-890A0
/852.2

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A150.0	A150.1	A150.2	A150.3	A150.4	A150.5	A150.6	A150.7
PLANT PRESSURE ON	HYDRAULIC EQUIPMENT STOP	UNCOILER EXPANTED	UNCOILER TENSION ON	UNCOILER AUTOMATIC CENTERING	COIL MINIMUM DIAMETER	HORIZONTAL MOVEMENT PHOTOCELL	ENTRY PINCH ROLL UP/DOWN
1	5	2	6	3	7	4	8

890-1 890-2 890-3 890-4 890-5 890-6 890-7 890-8

-855S1 /855.1 GR — x1 / x2
-855S2 /855.2 RD — x1 / x2
-855S3 /855.3 GR — x1 / x2
-855S7 /855.7 GR — x1 / x2
-856S3 /856.3 BL — x1 / x2
-890H6 YE A96.P02.18 — x1 / x2
-857S2 /857.2 GR — x1 / x2
-857S5 /857.5 GR — x1 / x2

24Vdc
853.8 / -0V
-0V / 891.0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96

Job Nr.	Dwg.Nr.	= A96 / + P02	
	A96	Page	890
		Follow	891

-891A0
/852.2

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A151.0	A151.1	A151.2	A151.3	A151.4	A151.5	A151.6	A151.7
POSITIONING MACHINE START	LEVELLER RESET GREASE LUBRICATION	ROOLS CLEANING	UPPER ROLL PLASTICIZING UP	INSERTION OF HEATING LAMP LOWER PAPER	INSERTION OF HEATING LAMP LOWER PAPER	INSERTION OF HEATING LAMP LOWER PAPER	inserzione elettrizzatori 1 e 2
1	5	2	6	3	7	4	8

891-1 891-2 891-3 891-4 891-5 891-6 891-7 891-8

-858S5 /858.5 BL x1 x2
-862S2 /862.2 YE x1 x2
-862S5 /862.5 GR x1 x2
-863S8 /863.8 GR x1 x2
-864S2 /864.2 GR x1 x2
-864S3 /864.3 GR x1 x2
-864S5 /864.5 GR x1 x2
-864S6 /864.6 GR x1 x2

24Vdc
890.9 / -0V → -0V / 892.0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL OUTPUTS

NOVASTILMEC A96 | = A96 | + **P02**

Job Nr. | Dwg.Nr. A96 | Page **891** | Follow 892

-892A0
/852.2

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A152.0	A152.1	A152.2	A152.3	A152.4	A152.5	A152.6	A152.7
MEASURING WHEEL POSITIONING	ROTARY SHEAR ALARM RESET	ROTARY SHEAR BUS INSERTION	ROTARY SHEAR AUTOMATIC	BELT CONVEYOR 1 ROTATION	STACKER 1 AUTOMATIC 2° SELECTION	ROTATION SHEETS TRANSPORT STACKER - O.S./M.S.	AUTOMATIC STACKER 1° SELECTION- 1° BOX
1	5	2	6	3	7	4	8

892-1 892-2 892-3 892-4 892-5 892-6 892-7 892-8

-864S7 x1 x2 /864.7 GR
-865S6 x1 x2 /865.6 BL
-865S7 x1 x2 /865.7 WH
-866S1 x1 x2 /866.1 WH
-867S6 x1 x2 /867.6 GR
-869S3 x1 x2 /869.3 GR
-870S2 x1 x2 /870.2 GR
-870S4 x1 x2 /870.4 GR

24Vdc
891.9 / -0V → -0V / 893.0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL OUTPUTS

NOVASTILMEC A96 | = A96 | + P02

Job Nr. | Dwg.Nr. A96 | Page 892 | Follow 893

-893A0
/852.3

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A153.0	A153.1	A153.2	A153.3	A153.4	A153.5	A153.6	A153.7
STACKER AUTOMATIC 1° SELECTION- 2° BOX	SAFETY AREA 2 ON	START LINE	STOP LINE	TENSION ON 24Vdc SOLENOIDE VALVE	TENSION ON 110Vac AUXILIARY	ENABLE PUSH BUTTON	SPARE
1	5	2	6	3	7	4	8

893-1 893-2 893-3 893-4 893-5 893-6 893-7 893-8

-870S7 x1 /870.7 GR x2
-871S1 x1 /871.1 BL x2
-871S3 x1 /871.3 GR x2
-871S4 x1 /871.4 RD x2
-893H5 x1 WH A96.P02.130 x2
-893H6 x1 WH A96.P02.131 x2
-871S8 x1 /871.8 GR x2

24Vdc
892.9 / -0V → -0V / 894.0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96

= A96
+ **P02**

Job Nr.
Dwg.Nr. A96
Page **893**
Follow 894

-894A0
/852.3

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A154.0	A154.1	A154.2	A154.3	A154.4	A154.5	A154.6	A154.7
MATERIAL SELECTION	MATERIAL SELECTION	STOP LINE	OPEN GATE CENTRAL AREA	RESET GATE CENTRAL AREA	SPARE	SPARE	SPARE
1	5	2	6	3	7	4	8
894-1	894-2	894-3	894-4	894-5	894-6	894-7	894-8
-XP05 3	-XP05 3	-XP05 3	-XP40 4	-XP40 6			
+P05			+P40				
-XP05 3	-XP05 3	-XP05 3					
-873S1 x1 /873.1 RD x2	-873S2 x1 /873.2 GR x2	-873S4 x1 /873.4 RD x2	-875S1 x1 /875.1 WH x2	-875S2 x1 /875.2 BL x2			
-XP05 4							
-XP05 4			-XP40 5				
24Vdc							
893.9 / -0V							-0V /

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS

Descript.

NOVASTILMEC A96

= A96
+ **P02**

Job Nr.

Dwg.Nr. A96

Page **894**

Follow +P03/900

110V - 50Hz

+IL/115.8 / +IL-110-L7

+IL/115.8 / +IL-110-N

-X2
WDU4
5
6

-900F5
4A
5SY6104-7
1
2

900-1

-900V5
120Vac/24Vdc 5A
6ES7307-1EA01-0AA0
L
N
+
-

900-2

-900F2
4A
5SY6104-7
1
2

900-3

-900P3
OPERATOR PANEL
6AV6643-0CB
01-1AX1
+
-



ETHERNET 4 / +P02/853.2

-900F5.1
4A
5SY6104-7
1
2

-24V / 901.0

-0V / 901.0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

POWER SUPPLY
EXIT DESK

Descript.

NOVASTILMEC A96

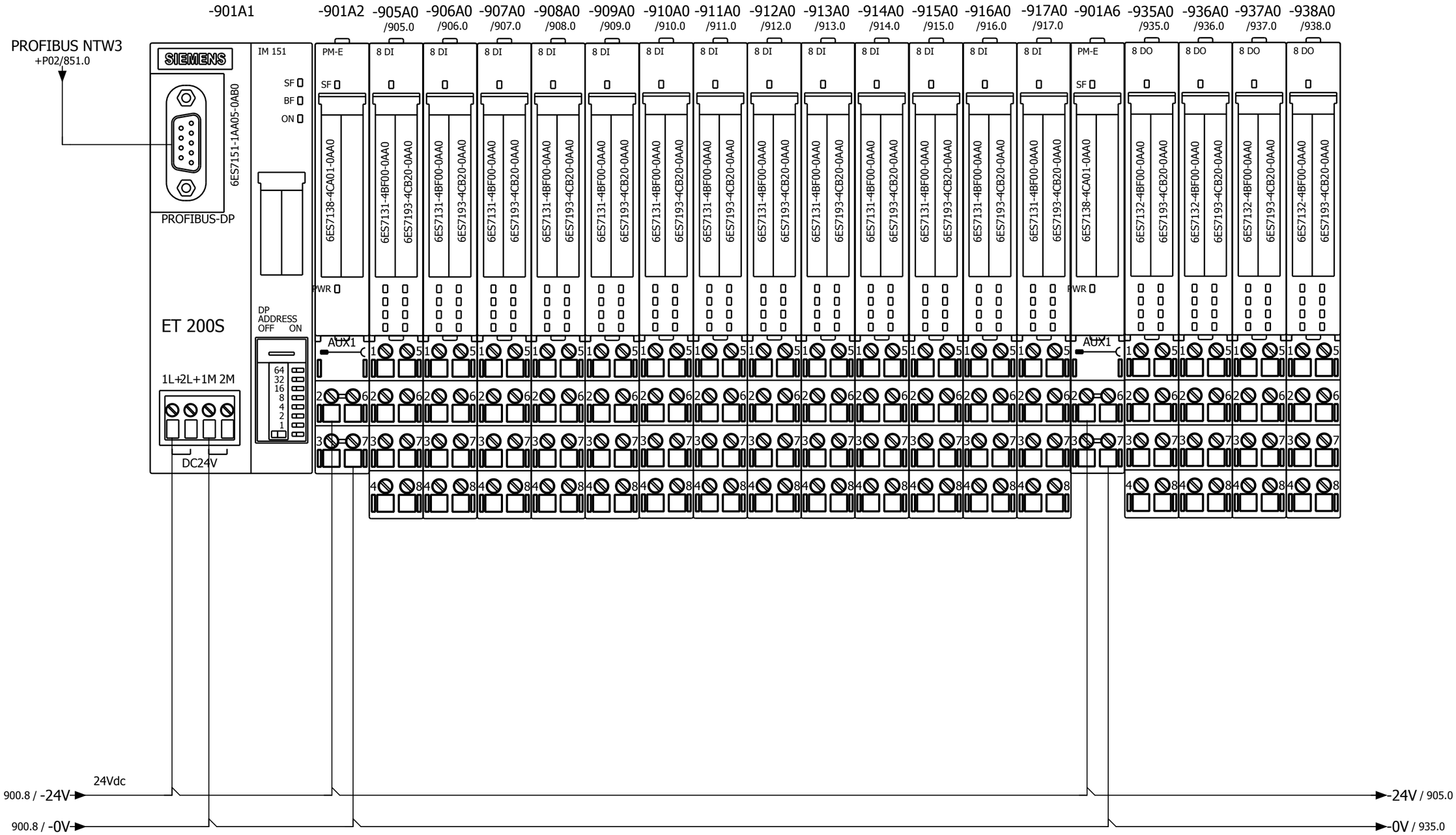
= A96
+ **P03**

Job Nr.

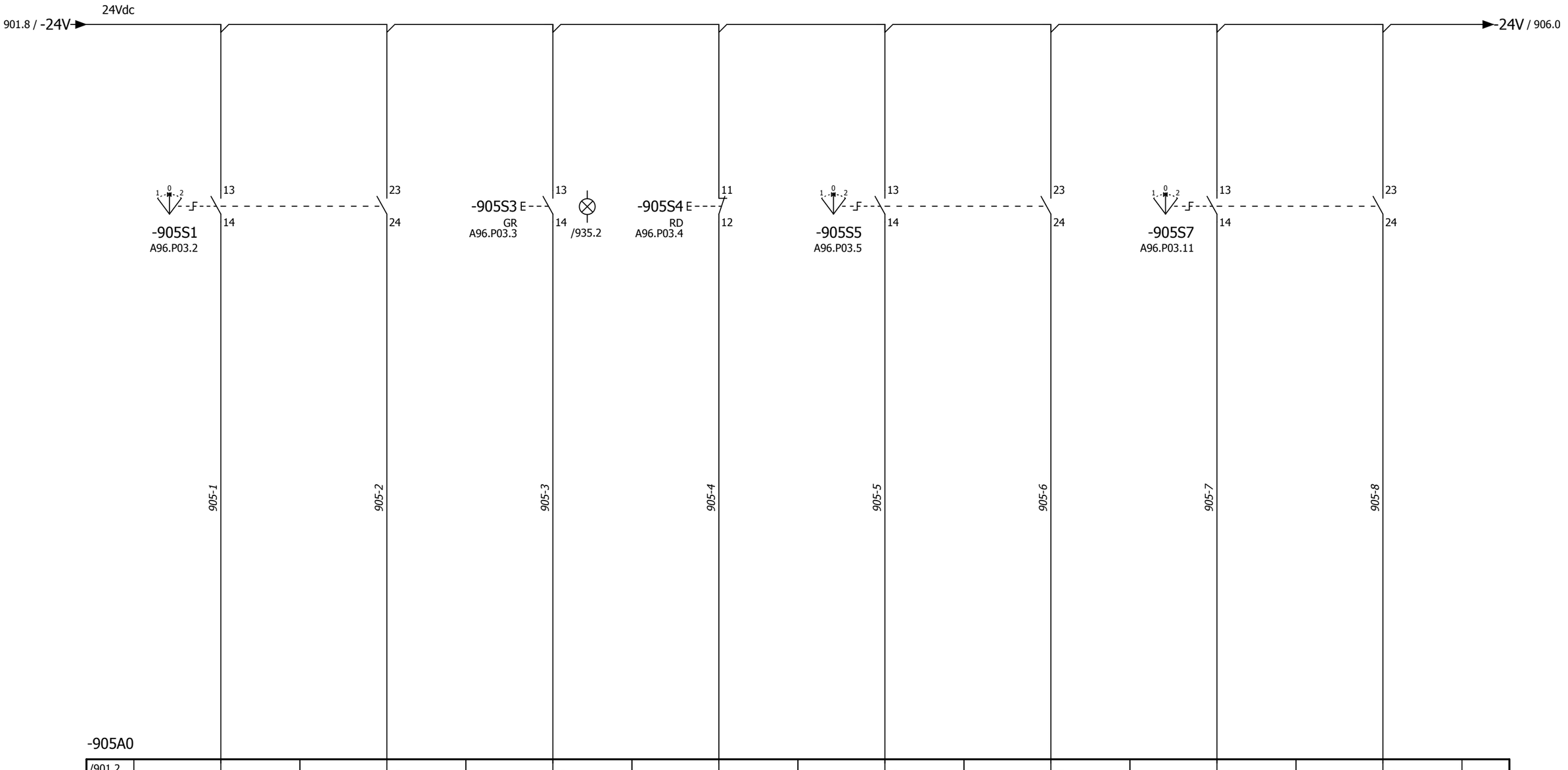
Dwg.Nr. A96

Page **900**

Follow 901



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012	NOVASTILMEC S.p.A. Coil Processing Equipment	GA-Tech	PLC CONFIGURATION EXIT DESK	NOVASTILMEC A96		= A96
				Drawn	TPM						+ **P03**
				Check	ALE				Job Nr.	Dwg.Nr. A96	Page **901**
Rev.	Descript.	Date	Name	Original				Descript.			Follow 905



-905A0

/901.2	1	5	2	6	3	7	4	8
	BELT CONVEYOR 1 FORWARD	BELT CONVEYOR 1 BACKWARD	BELT CONVEYORS ROTATION	BELT CONVEYORS ROTATION STOP	BELT CONVEYOR 1 EXIT ROTARY SHEAR ROTATION FORWARD	BELT CONVEYOR 1 EXIT ROTARY SHEAR ROTATION BACKWARD	BELT CONVEYOR 2 EXIT ROTARY SHEAR ROTATION FORWARD	BELT CONVEYOR 2 EXIT ROTARY SHEAR ROTATION BACKWARD
	E190.0	E190.1	E190.2	E190.3	E190.4	E190.5	E190.6	E190.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

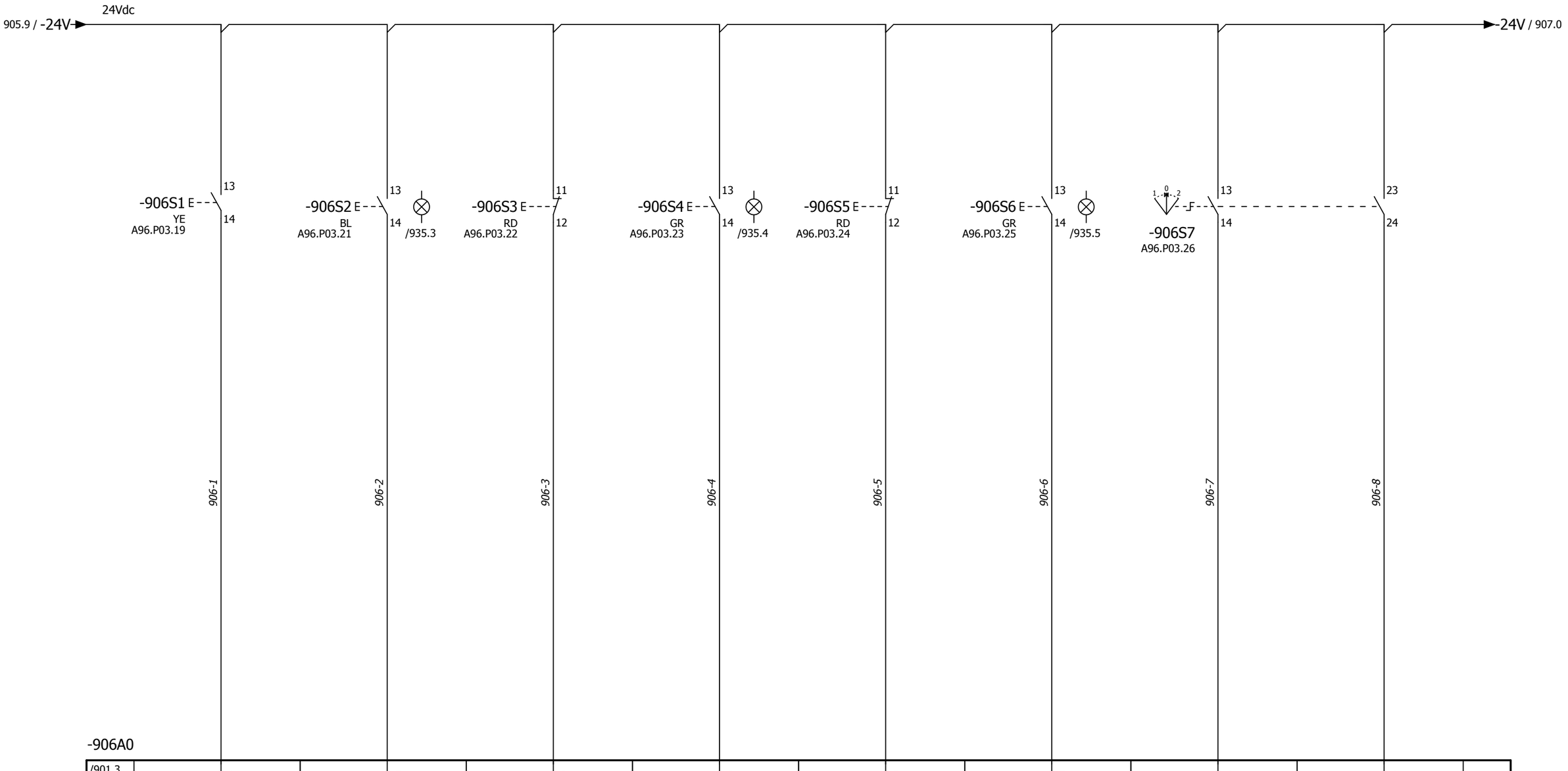
= A96
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **905**

Follow 906



-906A0

/901.3

1	5	2	6	3	7	4	8
movimento di pareggiatura di tutti i battitori foglio posti sull'impilatore 2° scelta	STACKER POSITIONING 2° SELECTION	STACKER POSITIONING 2° SELECTION STOP	STACKER AUTOMATIC 2° SELECTION	STACKER AUTOMATIC 2° SELECTION STOP	STACKER AUTOMATIC 2° SELECTION	PACKING CONVEYOR STACKER 2° SELECTION UP	PACKING CONVEYOR STACKER 2° SELECTION DOWN
E191.0	E191.1	E191.2	E191.3	E191.4	E191.5	E191.6	E191.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

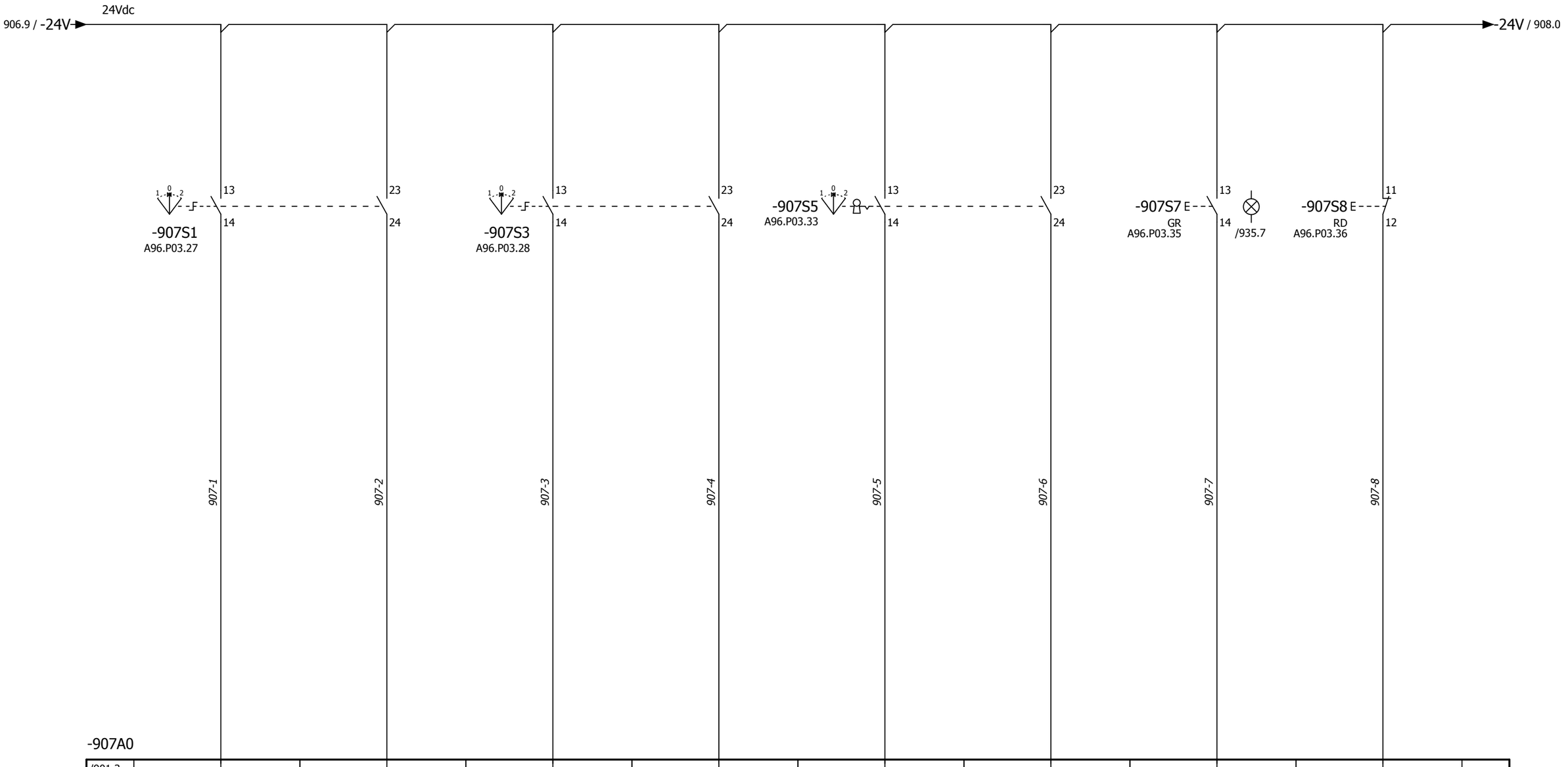
= A96
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **906**

Follow 907



-907A0

/901.3	1	5	2	6	3	7	4	8
	PACKING CONVEYOR STACKER 2° SELECTION FORWARD	PACKING CONVEYOR STACKER 2° SELECTION BACKWARD	PINCH ROLL ENTRY STACKER 1° SELECTION CLOCKWISE	PINCH ROLL ENTRY STACKER 1° SELECTION ANTICLOCKWISE	OUTSIDE POSITION STACKER BEAMS IN LINE	OUTSIDE POSITION STACKER BEAMS OUT LINE	rotazione di tutti i nastri trasporto foglio lato operatore e motorizzazione impilatore 1° scelta da 1° box a 2° box	rotazione di tutti i nastri trasporto foglio lato operatore e motorizzazione impilatore 1° scelta da 1° box a 2° box STOP
	E192.0	E192.1	E192.2	E192.3	E192.4	E192.5	E192.6	E192.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **P03**

Page **907**

Follow 908

24Vdc

907.9 / -24V → -24V / 909.0

-908S1 F
A96.P03.37
13 / 14 — 23 / 24

-908S3 E
YE
A96.P03.41
13 / 14

-908S4 E
BL
A96.P03.47
13 / 14 — /935.8

-908S5 E
RD
A96.P03.48
11 / 12

-908S6 E
GR
A96.P03.49
13 / 14 — /936.1

-908S7 E
GR
A96.P03.50
13 / 14 — /936.2

-908S8 E
RD
A96.P03.51
11 / 12

908-1 908-2 908-3 908-4 908-5 908-6 908-7 908-8

-908A0

/901.3

1	5	2	6	3	7	4	8
rotazione di tutti i nastri trasporto foglio lato operatore e motorizzazione impilatore scelta da 1° box a 2° box	rotazione di tutti i nastri trasporto foglio lato operatore e motorizzazione impilatore scelta da 1° box a 2° box	movimento orizzontale per battitura foglio di tutti i battitori foglio posti sull'impilatore 1° scelta 1° box	STACKER POSITIONING 1° SELECTION 1° AND 2° BOX	STACKER POSITIONING 1° SELECTION 1° AND 2° BOX STOP	STACKER AUTOMATIC 1° SELECTION 1° BOX	STACKER AUTOMATIC 1° SELECTION 1° BOX	STACKER AUTOMATIC 1° SELECTION 1° BOX STOP
E193.0	E193.1	E193.2	E193.3	E193.4	E193.5	E193.6	E193.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012		
Drawn	TPM		
Check	ALE		
Original			

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

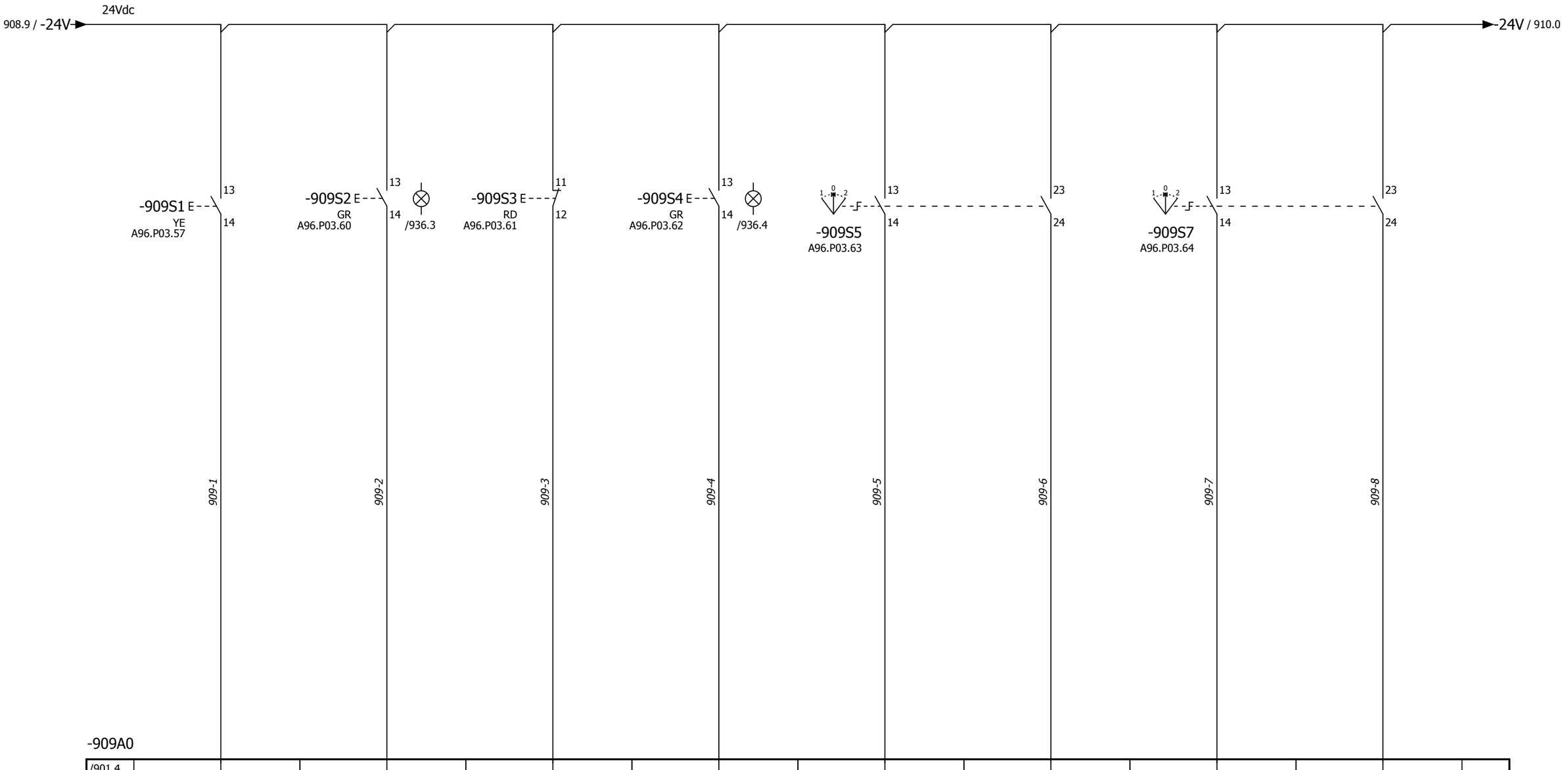
= A96
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **908**

Follow 909



-909A0

/901.4

1	5	2	6	3	7	4	8
movimento orizzontale per battitura foglio di tutti i battitori foglio posti sull'impilatore 1° scelta 2° box	STACKER AUTOMATIC 1° SELECTION 2° BOX	STACKER AUTOMATIC 1° SELECTION 2° BOX STOP	STACKER AUTOMATIC 1° SELECTION 2° BOX	PLATFORM 1° SELECTION 1° BOX UP	PLATFORM 1° SELECTION 1° BOX DOWN	PLATFORM 1° SELECTION 2° BOX UP	PLATFORM 1° SELECTION 2° BOX DOWN
E194.0	E194.1	E194.2	E194.3	E194.4	E194.5	E194.6	E194.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

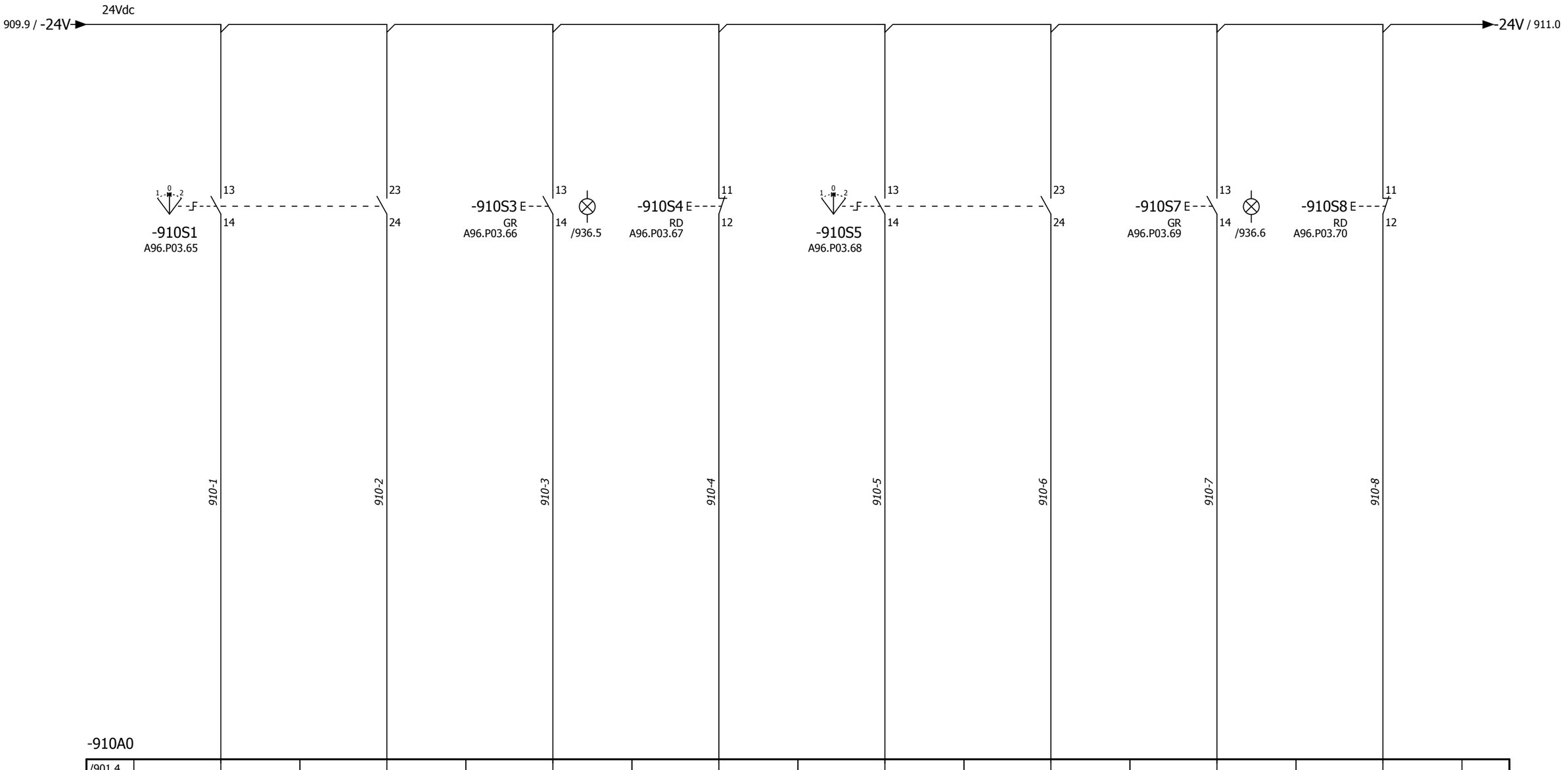
= A96
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **909**

Follow 910



-910A0

/901.4

1	5	2	6	3	7	4	8
PLATFORM 1 DOWNLOAD PACK FORWARD	PLATFORM 1 DOWNLOAD PACK BACKWARD	PLATFORM 1 AUTOMATIC UNLOADING	PLATFORM 1 AUTOMATIC UNLOADING STOP	PLATFORM 2 DOWNLOAD PACK FORWARD	PLATFORM 2 DOWNLOAD PACK BACKWARD	PLATFORM 2 AUTOMATIC UNLOADING	PLATFORM 2 AUTOMATIC UNLOADING STOP
E195.0	E195.1	E195.2	E195.3	E195.4	E195.5	E195.6	E195.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **910**

Follow 911

910.9 / -24V — 24Vdc

-24V / 912.0

	-911S1	-911S3	-911S5	-911S7
	A96.P03.71	A96.P03.72	A94.P03.73	A94.P03.74
13	911-1	911-3	911-5	911-7
14				
23	911-2	911-4	911-6	
24				

-911A0

/901.4

1	5	2	6	3	7	4	8
WEIGHT PLATFORM 1 DOWNLOAD PACK FORWARD	WEIGHT PLATFORM 1 DOWNLOAD PACK BACKWARD	WEIGHT PLATFORM 2 DOWNLOAD PACK FORWARD	WEIGHT PLATFORM 2 DOWNLOAD PACK BACKWARD	PLATFORM 1 DOWNLOAD PACK FORWARD	PLATFORM 1 DOWNLOAD PACK BACKWARD	CHAINS 1 DOWNLOAD PACK FORWARD	CHAINS 1 DOWNLOAD PACK BACKWARD
E196.0	E196.1	E196.2	E196.3	E196.4	E196.5	E196.6	E196.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

Job Nr.

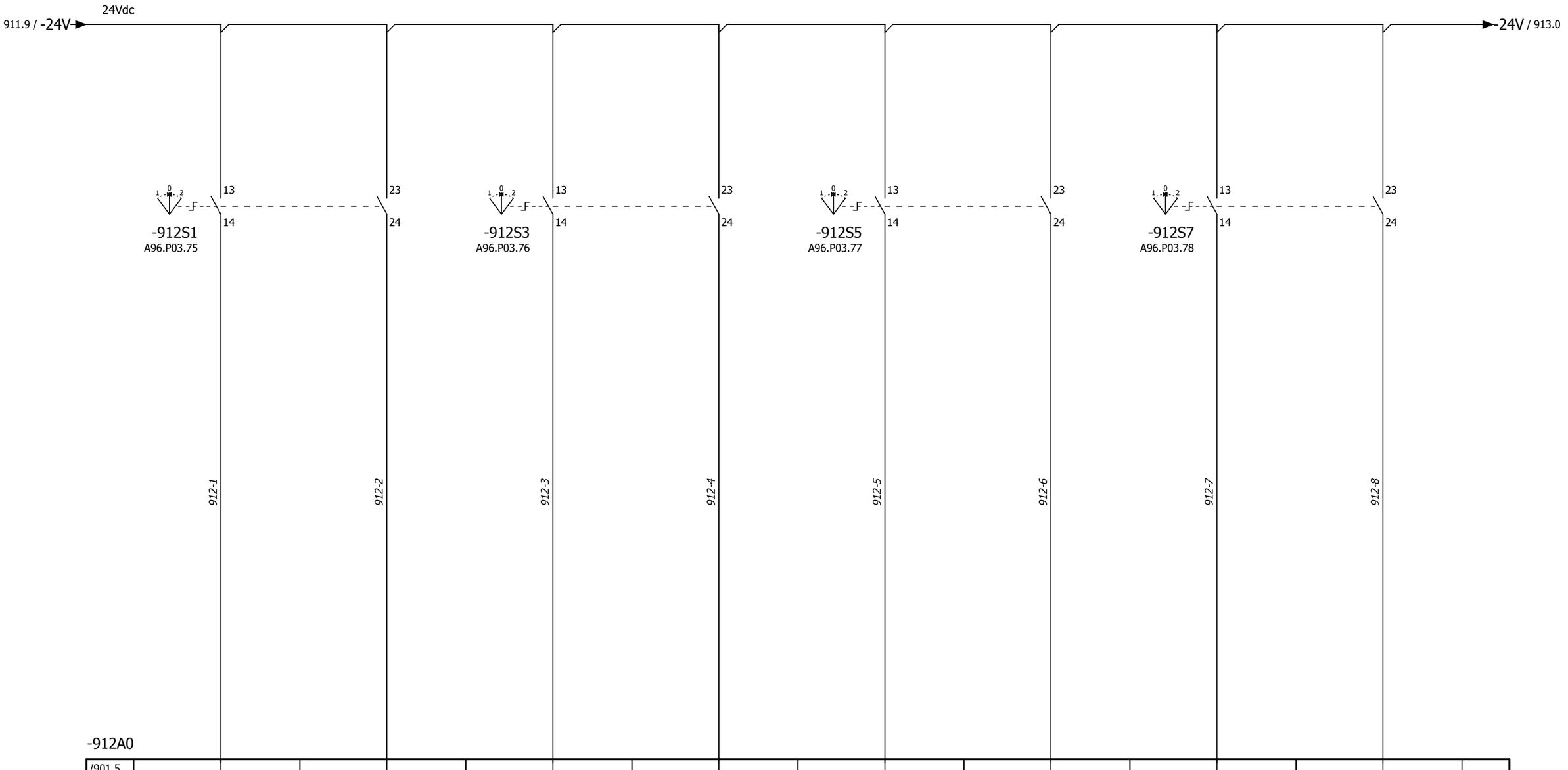
Dwg.Nr. A96

= A96

+ **P03**

Page **911**

Follow 912



-912A0

/901.5

1	5	2	6	3	7	4	8
CHAINS MOVEMENT 1° PLATFORM COMBINATION ROLLS RAISE	CHAINS MOVEMENT 1° PLATFORM COMBINATION ROLLS LOWER	PLATFORM 2 DOWNLOAD PACK FORWARD	PLATFORM DOWNLOAD PACK BACKWARD	CHAINS 2 DOWNLOAD PACK FORWARD	CHAINS 2 DOWNLOAD PACK BACKWARD	CHAINS MOVEMENT 2° PLATFORM COMBINATION ROLLS RAISE	CHAINS MOVEMENT 2° PLATFORM COMBINATION ROLLS LOWER
E197.0	E197.1	E197.2	E197.3	E197.4	E197.5	E197.6	E197.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

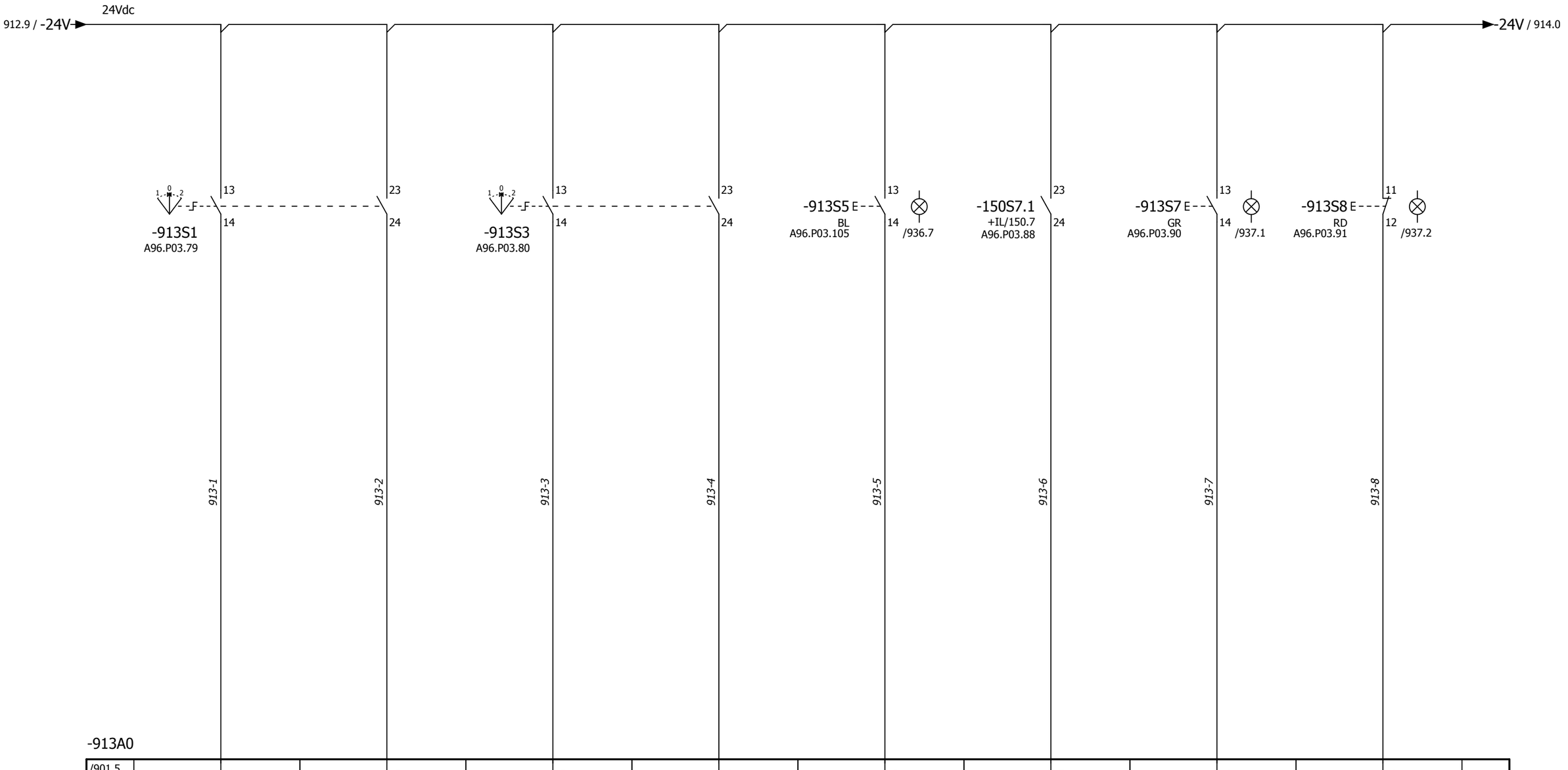
NOVASTILMEC A96

Job Nr.

Dwg.Nr.: A96

= A96
+ **P03**

Page: **912**
Follow: 913



-913A0

/901.5

1	5	2	6	3	7	4	8
PALLET LOAD STRIKER 1 FORWARD	PALLET LOAD STRIKER 1 BACKWARD	PALLET LOAD STRIKER 2 FORWARD	PALLET LOAD STRIKER 2 BACKWARD	RESET SAFETY AREA	EMERGENCY PUSH BUTTON	START LINE	STOP LINE
E198.0	E198.1	E198.2	E198.3	E198.4	E198.5	E198.6	E198.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

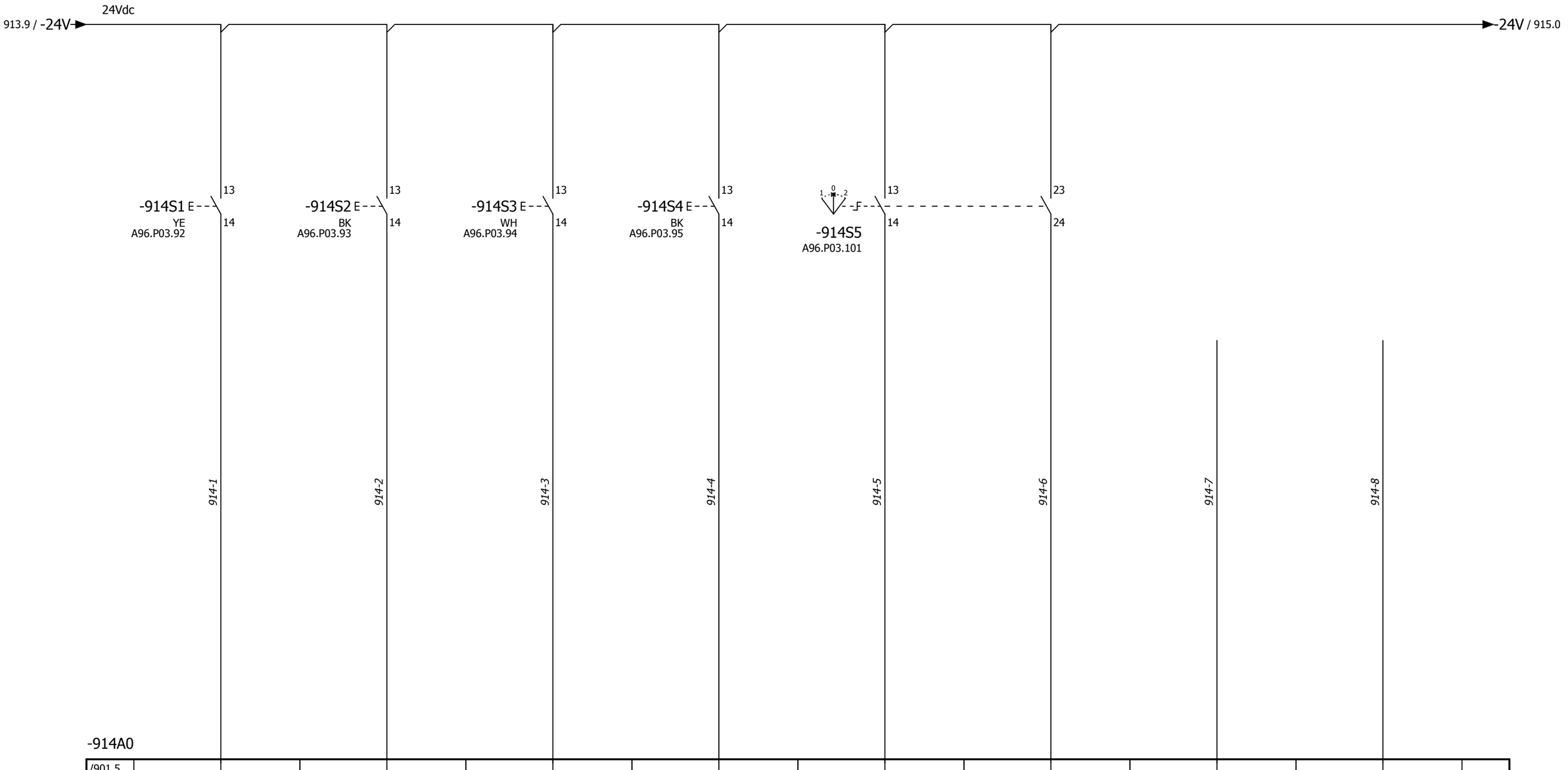
NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **P03**

Page **913**
Follow 914



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96

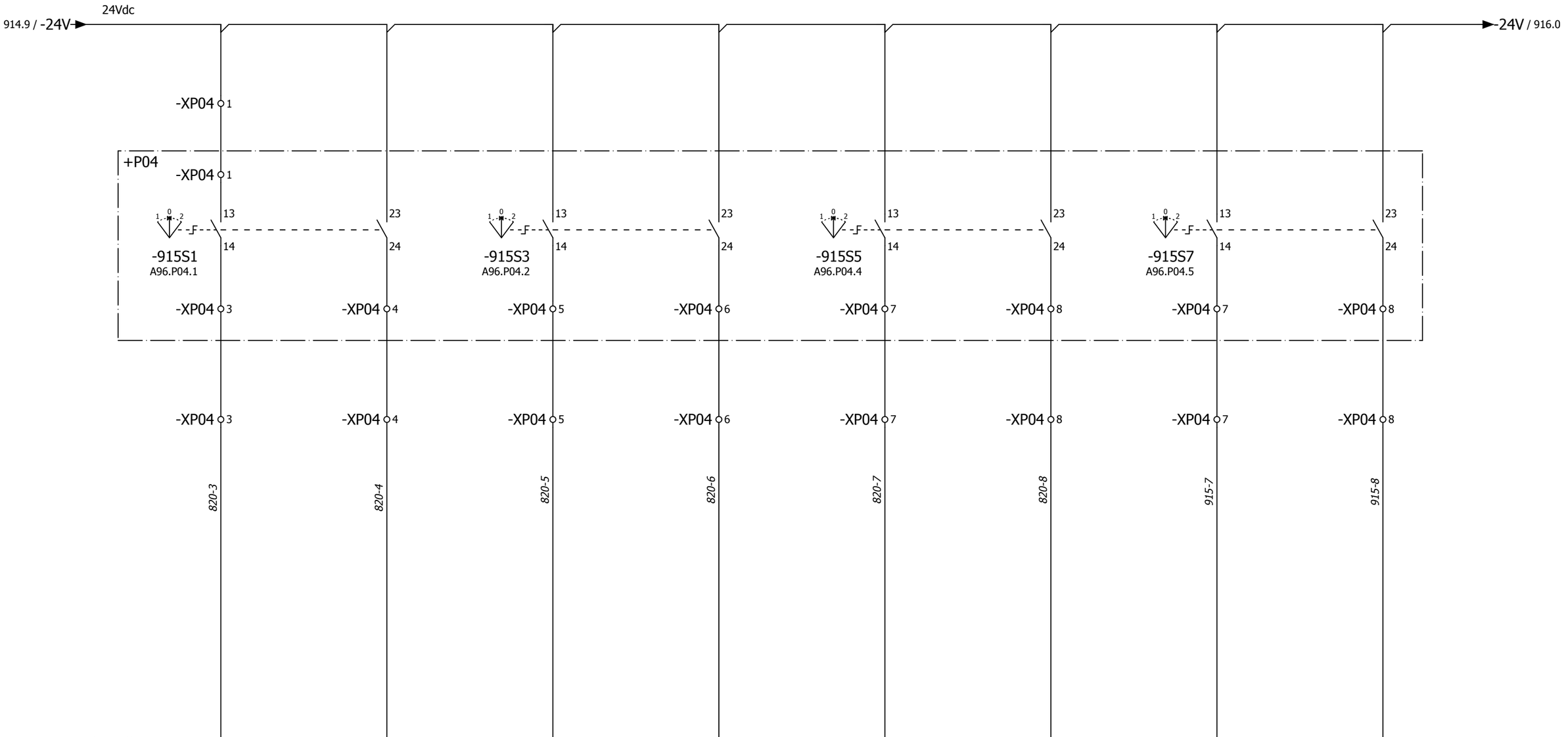
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **914**

Follow 915



-915A0

/901.6

1	5	2	6	3	7	4	8
PLATFORM 1 DOWNLOAD PACK FORWARD	PLATFORM 1 DOWNLOAD PACK BACKWARD	movimento rotatorio delle leve di raccordo posta alla fine della 1° rulliera di trasferimento catene	movimento rotatorio delle leve di raccordo posta alla fine della 1° rulliera di trasferimento catene	PLATFORM 2 DOWNLOAD PACK FORWARD	PLATFORM 2 DOWNLOAD PACK BACKWARD	PLATFORM 3 DOWNLOAD PACK FORWARD	PLATFORM 3 DOWNLOAD PACK BACKWARD
E200.0	E200.1	E200.2	E200.3	E200.4	E200.5	E200.6	E200.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL INPUTS

Descript.

NOVASTILMEC A96

= A96

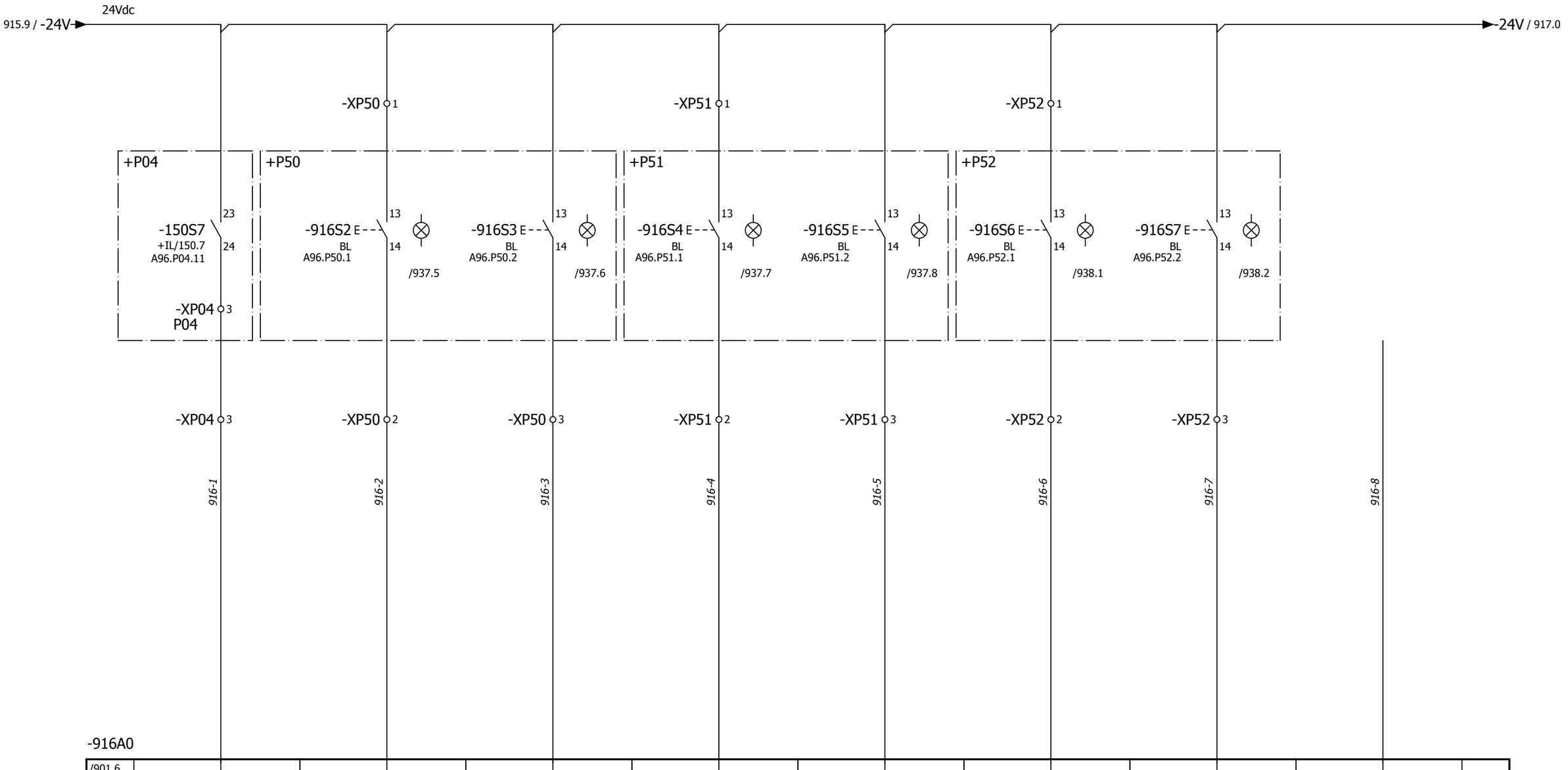
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **915**

Follow 916



-916A0

/901.6

1	5	2	6	3	7	4	8
EMERGENCY PUSH BUTTON	OPEN GATE EXIT AREA	RESET GATE EXIT AREA	OPEN GATE EXIT AREA	RESET GATE EXIT AREA	OPEN GATE EXIT AREA	RESET GATE EXIT AREA	SPARE
E201.0	E201.1	E201.2	E201.3	E201.4	E201.5	E201.6	E201.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

Descript.: DIGITAL INPUTS

NOVASTILMEC A96

= A96
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **916**

Follow 917

916.9 / -24V → 24Vdc → -24V /

917-1 917-2 917-3 917-4 917-5 917-6 917-7 917-8

-917A0

/901.6

1	5	2	6	3	7	4	8
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
E202.0	E202.1	E202.2	E202.3	E202.4	E202.5	E202.6	E202.7

CODE: 6ES7131-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

-935A0
/901.7

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A190.0	A190.1	A190.2	A190.3	A190.4	A190.5	A190.6	A190.7
DECOILER MIN DIAMETER	BELT CONVEYORS ROTATION	STACKER POSITIONING 2° SELECTION	STACKER AUTOMATIC 2° SELECTION	STACKER AUTOMATIC 2° SELECTION	OUTSIDE POSITION STACKER BEAMS	rotazione di tutti i nastri trasporto foglio lato operatore e motorizzazione impilatore 1° scelta da 1° box a 2° box	STACKER POSITIONING 1° SELECTION 1° AND 2° BOX
1	5	2	6	3	7	4	8

935-1 935-2 935-3 935-4 935-5 935-6 935-7 935-8

-935H1 x1 x2
YE
A96.P03.1

-905S3 x1 x2
/905.3
GR

-906S2 x1 x2
/906.2
BL

-906S4 x1 x2
/906.4
GR

-906S6 x1 x2
/906.6
GR

-935H6 x1 x2
RD
A96.P03.32

-907S7 x1 x2
/907.7
GR

-908S4 x1 x2
/908.4
BL

24Vdc
901.8 / -0V

-0V / 936.0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96

= A96
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **935**
Follow 936

-936A0
/901.7

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A191.0	A191.1	A191.2	A191.3	A191.4	A191.5	A191.6	A191.7
STACKER AUTOMATIC 1° SELECTION 1° BOX	STACKER AUTOMATIC 1° SELECTION 1° BOX	STACKER AUTOMATIC 1° SELECTION 2° BOX	STACKER AUTOMATIC 1° SELECTION 2° BOX	PLATFORM 1 AUTOMATIC UNLOADING ON	PLATFORM 2 AUTOMATIC UNLOADING ON	RESET SAFETY AREA	STOP LINE ALARM
1	5	2	6	3	7	4	8
936-1	936-2	936-3	936-4	936-5	936-6	936-7	936-8
-908S6 x1 /908.6 GR x2	-908S7 x1 /908.7 GR x2	-909S2 x1 /909.2 GR x2	-909S4 x1 /909.4 GR x2	-910S3 x1 /910.3 GR x2	-910S7 x1 /910.7 GR x2	-913S5 x1 /913.5 BL x2	-936H8 x1 RD A96.P03.89 x2

24Vdc
935.9 / -0V → -0V / 937.0

Rev.	Descript.	Date	Name
00	PRELIMINARY	30.10.2012	TPM

Date	10.10.2012
Drawn	TPM
Check	ALE
Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96

= A96
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **936**
Follow 937

-937A0
/901.8

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A192.0	A192.1	A192.2	A192.3	A192.4	A192.5	A192.6	A192.7
START LINE	STOP LINE	SPARE	SPARE	OPEN GATE EXIT AREA	RESET GATE EXIT AREA	OPEN GATE EXIT AREA	RESET GATE EXIT AREA
1	5	2	6	3	7	4	8

937-1 937-2 937-3 937-4 937-5 937-6 937-7 937-8

-XP50 4 -XP50 6 -XP51 4 -XP51 6

+P50

-916S2 x1 x2
/916.2
WH

-916S3 x1 x2
/916.3
BL

+P51

-916S4 x1 x2
/916.4
WH

-916S5 x1 x2
/916.5
BL

-913S7 x1 x2
/913.7
GR

-913S8 x1 x2
/913.8
RD

-XP50 5 -XP51 5

24Vdc
936.9 / -0V

-0V / 938.0

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

NOVASTILMEC A96

Job Nr.

Dwg.Nr. A96

= A96
+ **P03**

Page **937**
Follow 938

-938A0
/901.8

CODE: 6ES7132-4BF00-0AA0 TERMINAL: 6ES7193-4CB20-0AA0

A193.0	A193.1	A193.2	A193.3	A193.4	A193.5	A193.6	A193.7
OPEN GATE EXIT AREA	RESET GATE EXIT AREA	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
1	5	2	6	3	7	4	8

937-1 937-2 937-3 937-4 937-5 937-6 937-7 937-8

-XP52 4 -XP52 6

+P52

-916S6 x1 x2
/916.6
WH

-916S7 x1 x2
/916.7
BL

-XP52 5

24Vdc

937.9 / -0V -0V /

Rev.	Descript.	Date	Name		
00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
				Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

DIGITAL OUTPUTS
Descript.

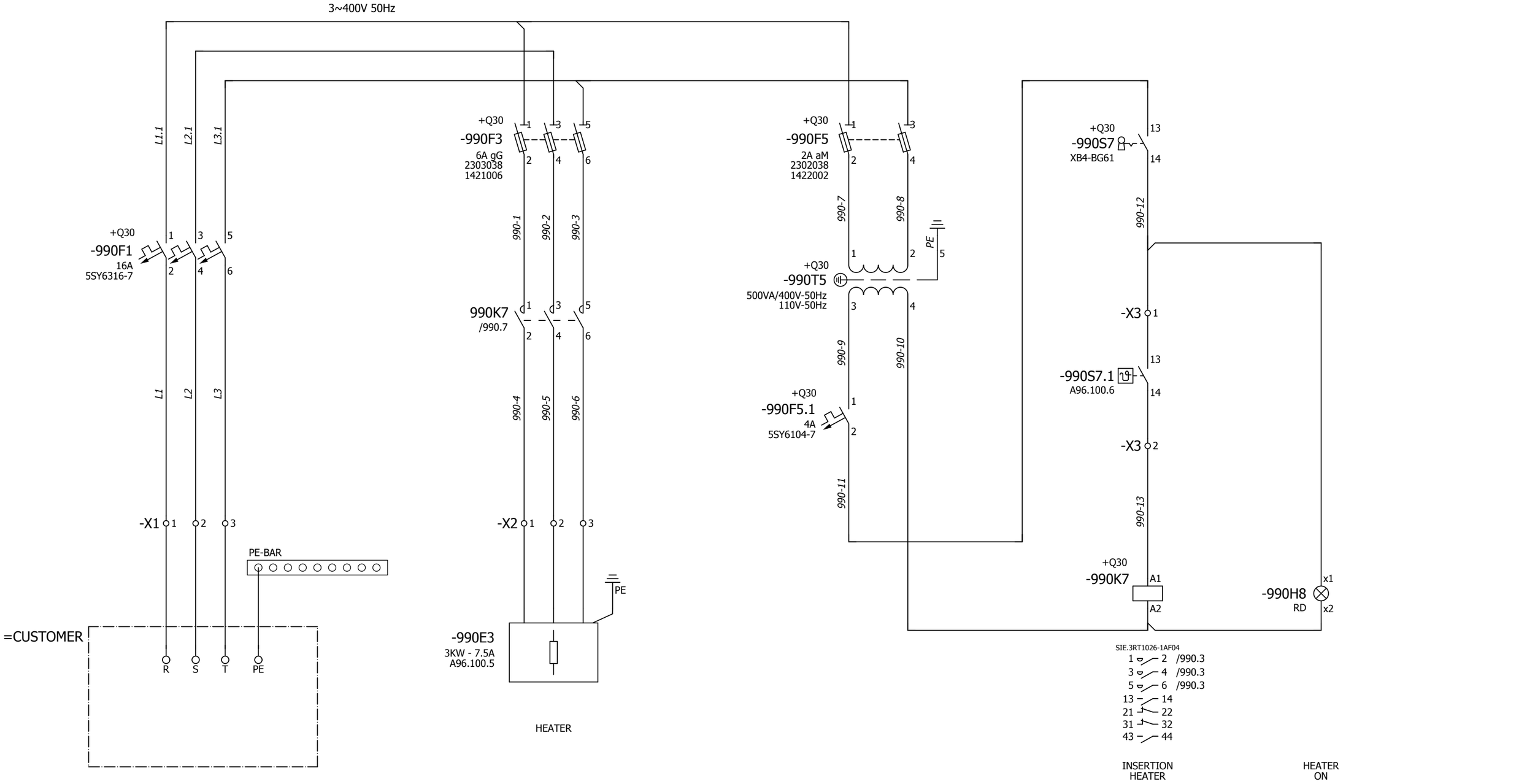
NOVASTILMEC A96

= A96
+ **P03**

Job Nr.

Dwg.Nr. A96

Page **938**
Follow +Q30/990



00	PRELIMINARY	30.10.2012	TPM	Date	10.10.2012
				Drawn	TPM
				Check	ALE
Rev.	Descript.	Date	Name	Original	

NOVASTILMEC S.p.A. Coil Processing Equipment

GA-Tech

HEATER BOARD

Descript.

NOVASTILMEC A96

= A96

+ **Q30**

Job Nr.

Dwg.Nr. A96

Page **990**

Follow =Terminal Strips+/4000