R.E.M. S.r.L.

Via Ferruccia,16/A - 03010 Patrica (FR)

Tel: 0775/830116 Fax: 0775/839345

Cliente	:Quasar Engineering srl
Indirizzo	:Via Armando Fabi, 03100 Frosinone
Design. impianto	:Avvolgitrice Pultrex
Numero di disegno	:2010/7693
Commessa	:2010/7693
Produttore	:REM s.r.l.
Indirizzo	:Via Ferruccia 16/A
Cliente Finale	:Avio spa
Indirizzo	:C.So Garibaldi, 22 - Colleferro (Roma)
Responsabile del Progetto	:ALE

Modificato il: 26.Set.2011 Da ALE Numero delle pagine 73

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60	Pilz PNOZ M1P	26.Set.2011	MDM
61	Input di sicurezza	26.Set.2011	MDM
61.1	Pulsanti di emergenza	26.Set.2011	AAA
62	Input di sicurezza	26.Set.2011	MDM
63	Output di sicurezza	26.Set.2011	MDM
64	Input di sicurezza	26.Set.2011	MDM
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207	AZIONAMENTI ASSE B e C	24.Mar.2011	AA1
208	AZIONAMENTI ASSE F e G	24.Mar.2011	AA1
210	Alimentazione generale	24.Mar.2011	MDM
215	CPU S7-300 317F 2DP	30.Mar.2011	AA1
216	IB94 IB 32x24VDC	25.Mar.2011	AA1
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220	IB36 IB 32x24VDC	24.Mar.2011	AA1
221	IB37 IB 32x24VDC	24.Mar.2011	AA1
222	IB38 IB 32x24VDC	24.Mar.2011	AA1
223	IB39 IB 32x24VDC	24.Mar.2011	AA1
224	IB40 IB 32x24VDC	24.Mar.2011	AA1
225	IB41 IB 32x24VDC	24.Mar.2011	AA1
226	IB42 IB 32x24VDC	24.Mar.2011	AA1
227	IB43 IB 32x24VDC	24.Mar.2011	AA1
228	IB44 IB 32x24VDC	24.Mar.2011	AA1
229	IB45 IB 32x24VDC	24.Mar.2011	AA1
230	IB46 IB 32x24VDC	24.Mar.2011	AA1
231	IB47 IB 32x24VDC	24.Mar.2011	AA1
240	OB48 OB 32x24VDC	24.Mar.2011	AA1
241	OB49 OB 32x24VDC	24.Mar.2011	AA1
242	OB50 OB 32x24VDC	24.Mar.2011	AA1
243	OB51 OB 32x24VDC	24.Mar.2011	AA1
244	OB52 OB 32x24VDC	25.Mar.2011	AA1
245	OB53 OB 32x24VDC	25.Mar.2011	AA1
246	OB54 OB 32x24VDC	25.Mar.2011	AA1
247	OB55 OB 32x24VDC	25.Mar.2011	AA1
248	OB56 OB 32x24VDC	30.Mar.2011	AA1
249	OB57 OB 32x24VDC	30.Mar.2011	AA1

250	OB58 OB 32x24VDC	28.Mar.2011	AA1
251	OB59 OB 32x24VDC	28.Mar.2011	AA1
256	Morsettiera TS3	28.Mar.2011	AA1
257	Morsettiera JB5	28.Mar.2011	AA1
258	Morsettiera JB3	28.Mar.2011	AA1
259	Morsettiera JB2	30.Mar.2011	AA1
260	Morsettiera TS7	26.Set.2011	AA1
261	Morsettiera TS4/3- TS5/4	30.Mar.2011	AA1
262	Morsettiera TS4/2- TS5/5	30.Mar.2011	AA1
263	Morsettiera TS4/1- TS5/6	30.Mar.2011	AA1
264	Morsettiera TS6/7	30.Mar.2011	AA1
265	Emergenze e interfacce	30.Mar.2011	AA1
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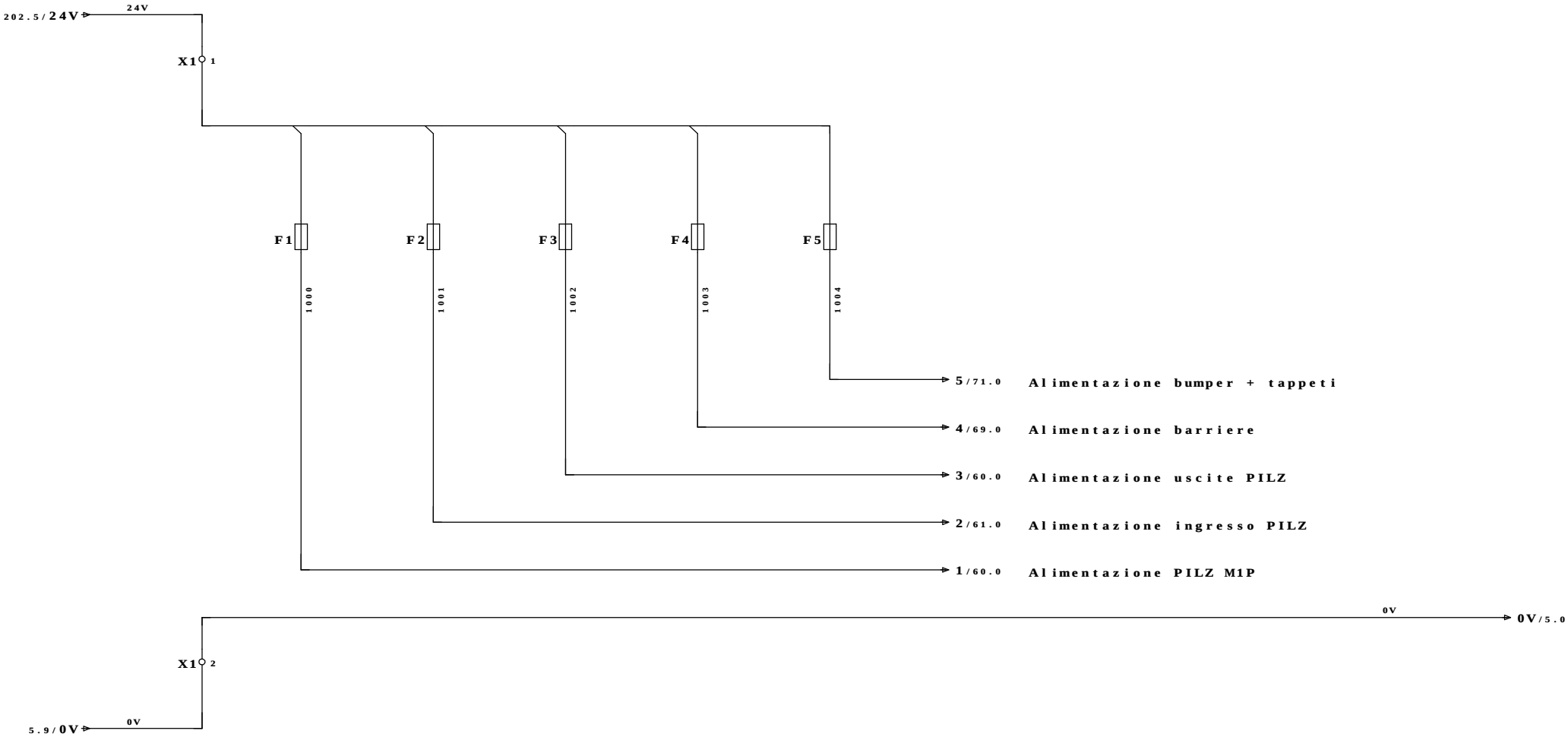

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60

			Data		2010/7693	REM s.r.l.	Alimentazione sistema di sicurezza	2010/7693
			Diseg.	MDM	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

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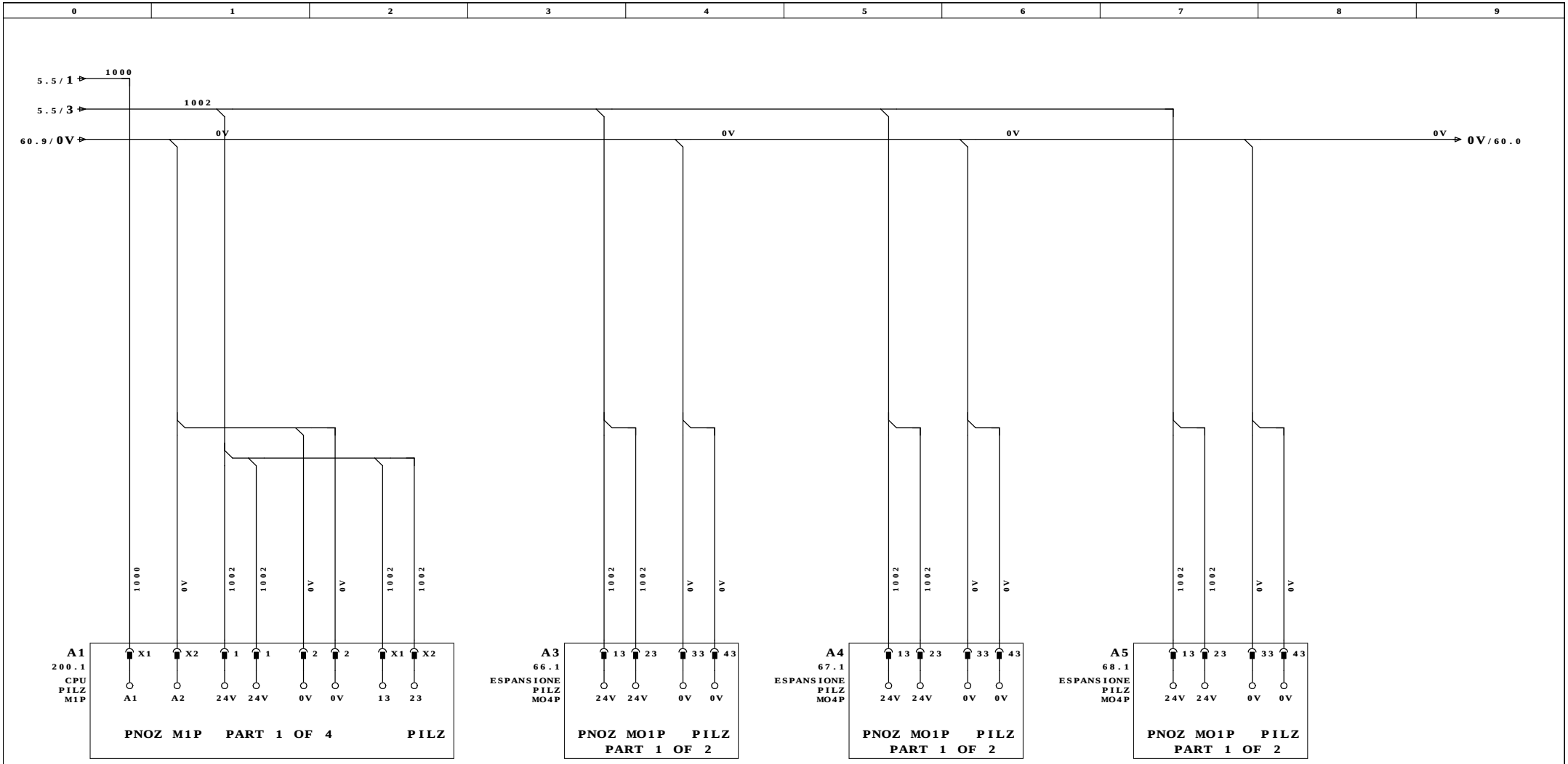

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61

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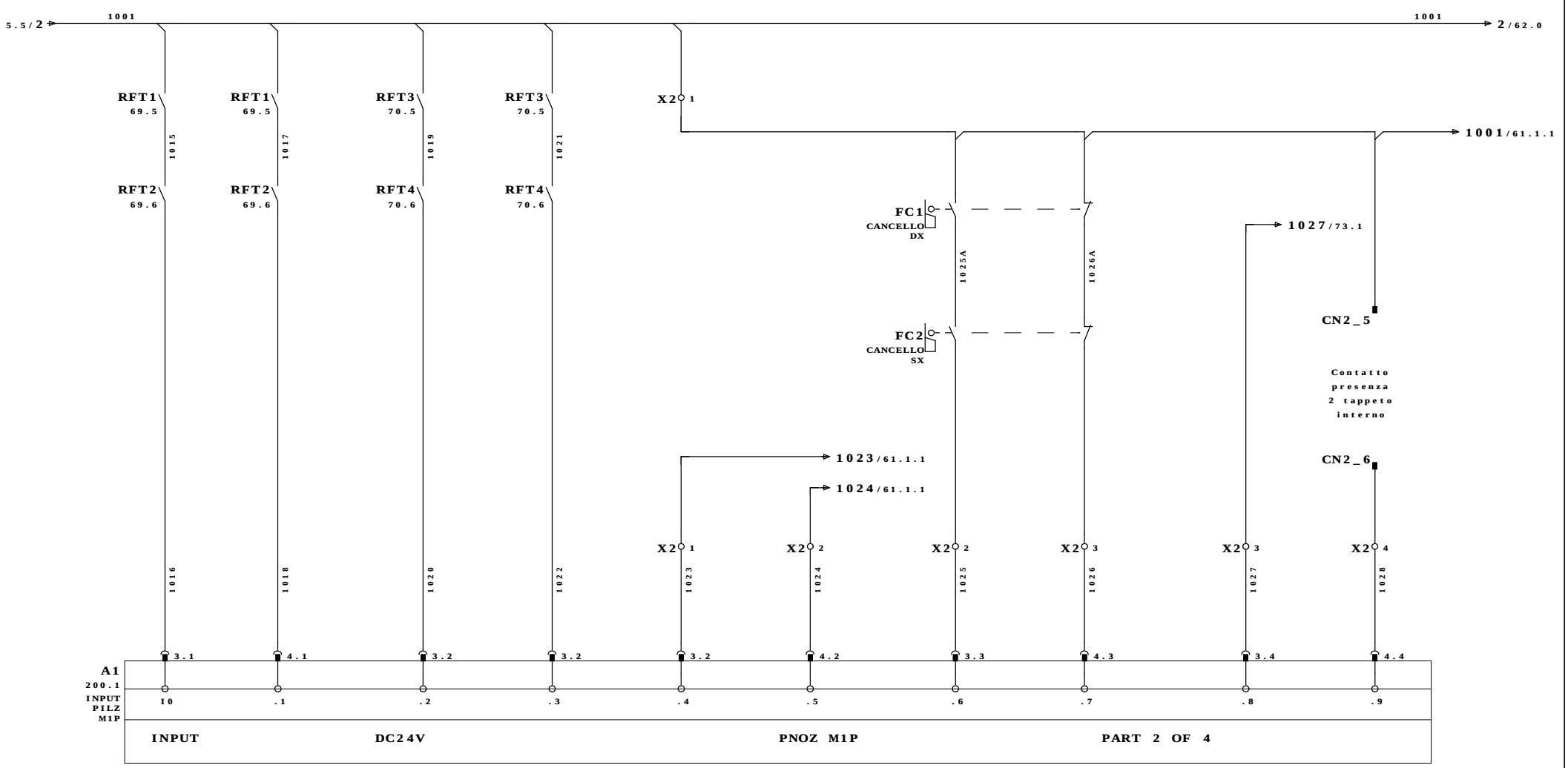
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.60
Modifiche	Data	Nome	Norm.						266



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			Diseg.	MDM	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

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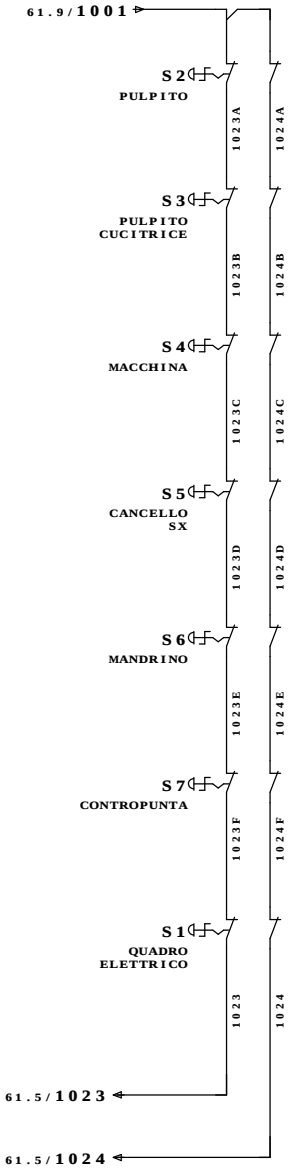

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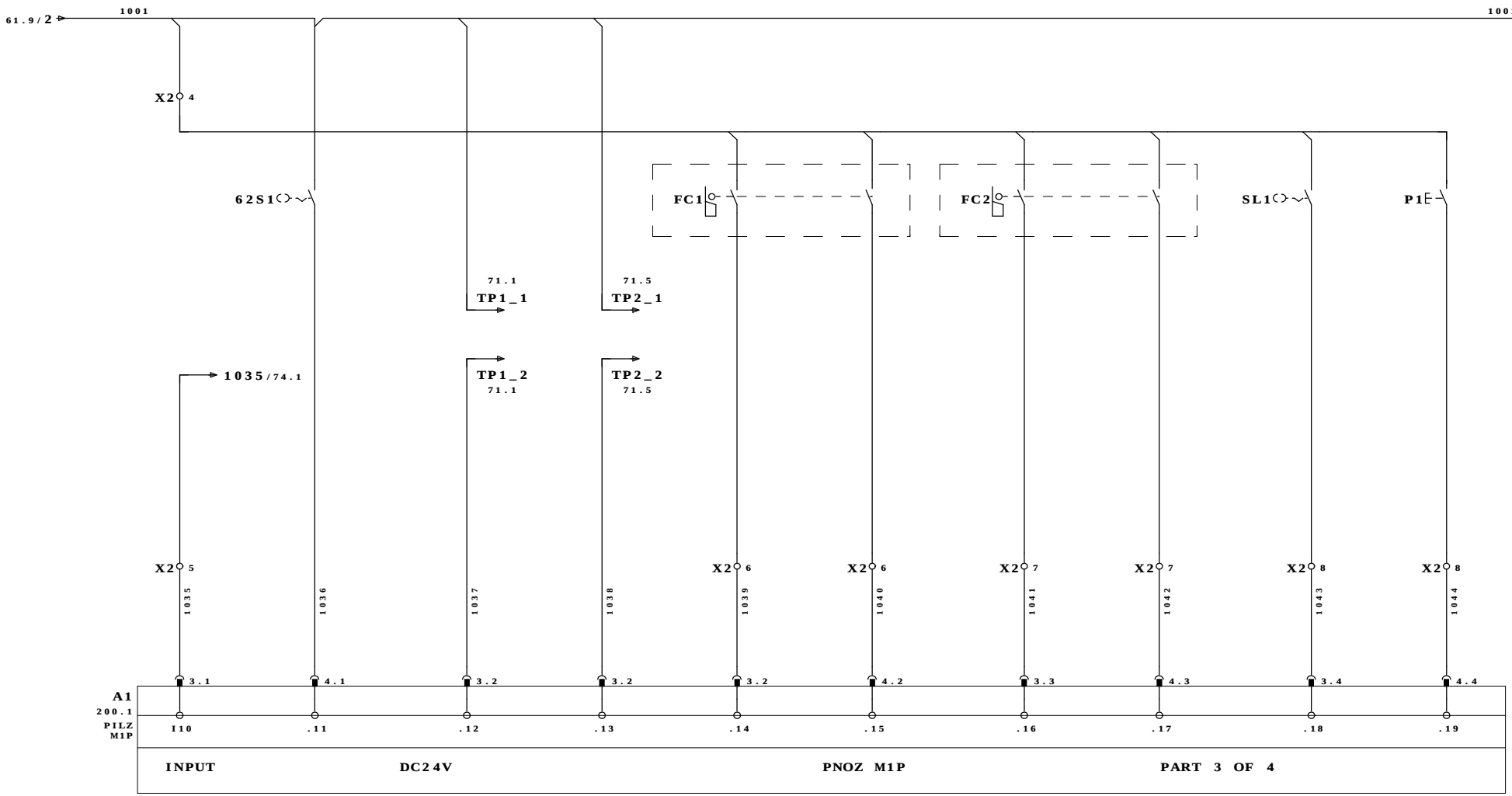
Modifiche	Data	Nome	Norm.						266



Bumper 2

Tappeti interni

Finecorsa presenza 2ø tappeto CH1

Finecorsa presenza pedana mobile CH1

Selettore a chiave

Selettore esclusione Bumper

Pedana mobile

Finecorsa presenza 2ø tappeto CH2

Finecorsa presenza pedana mobile CH2

Pulsante ripristino ausiliari

61.1

63

			Data		2010/7693	REM s.r.l.	Input di sicurezza	2010/7693
			Diseg.	MDM	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

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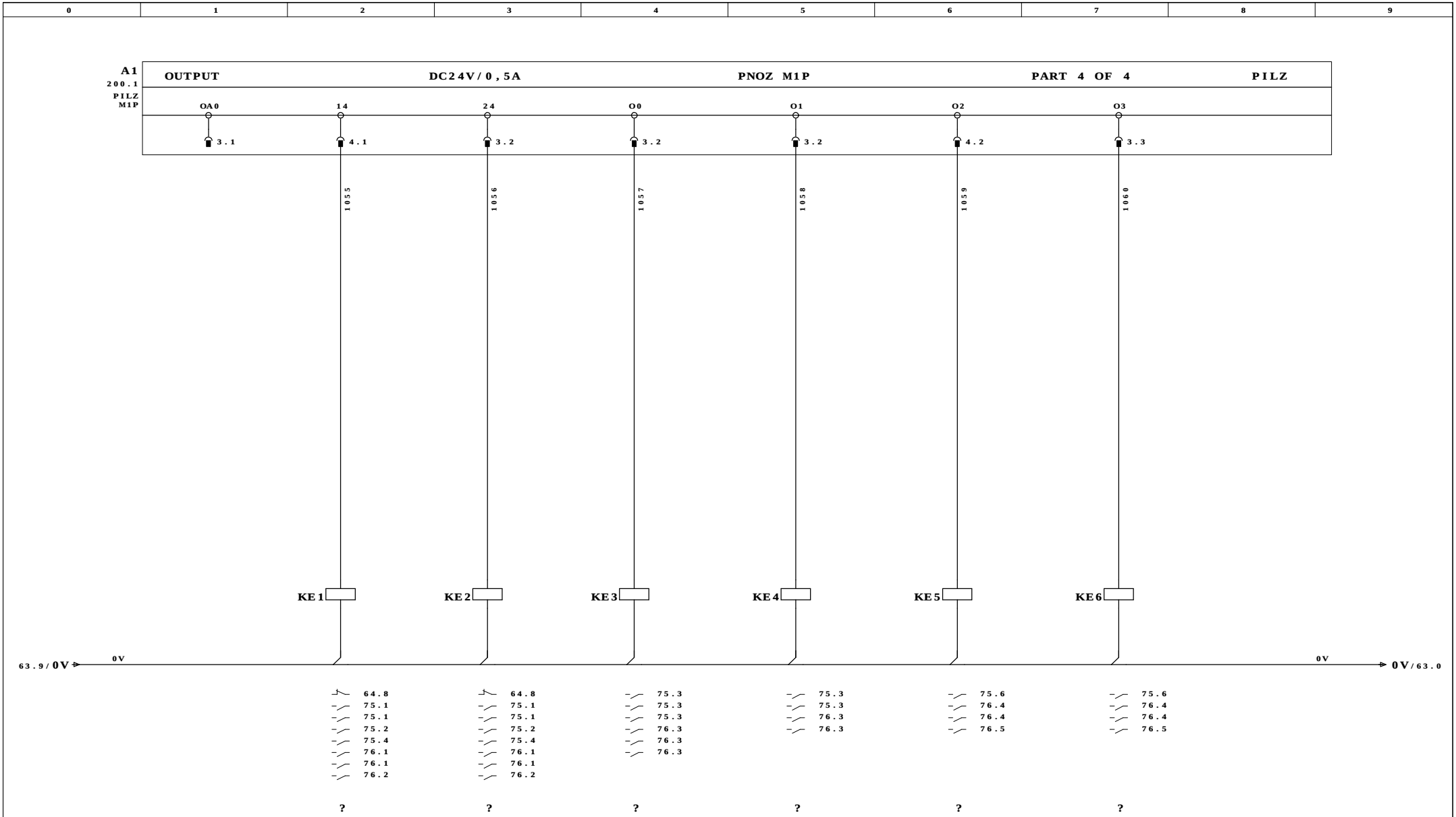

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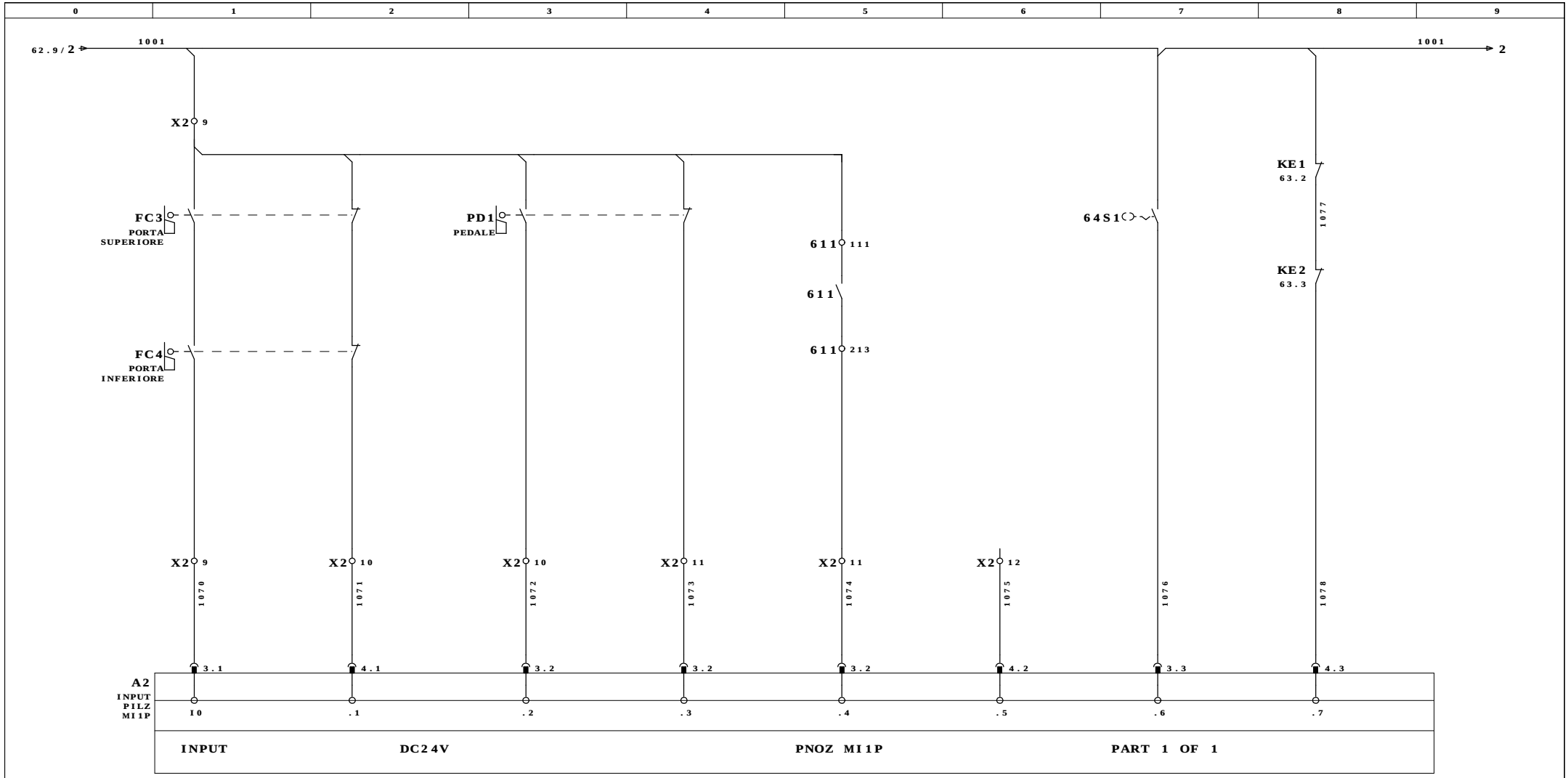
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.63
Modifiche	Data	Nome	Norm.						266



63

66

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			Diseg.	MDM	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

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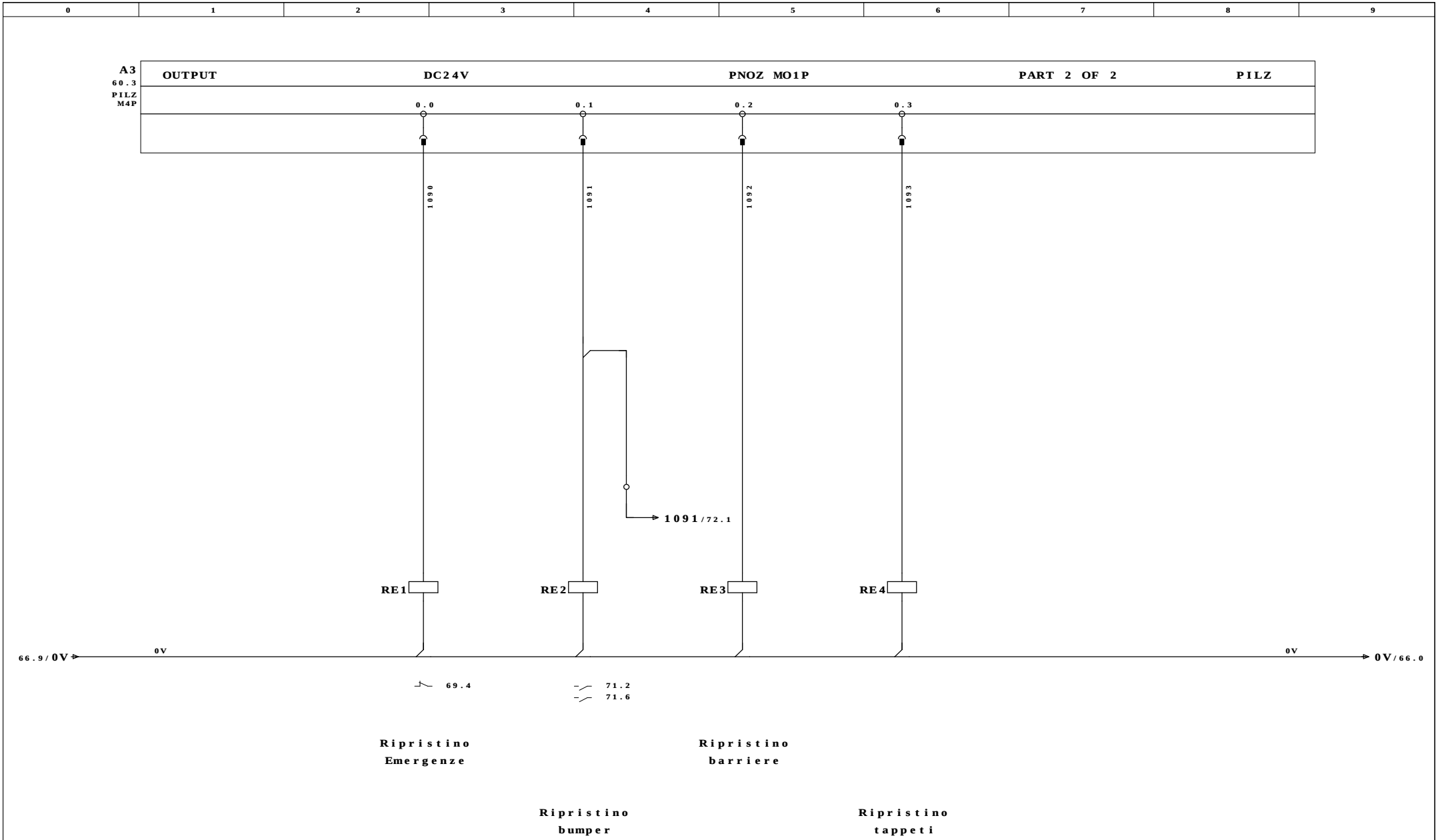

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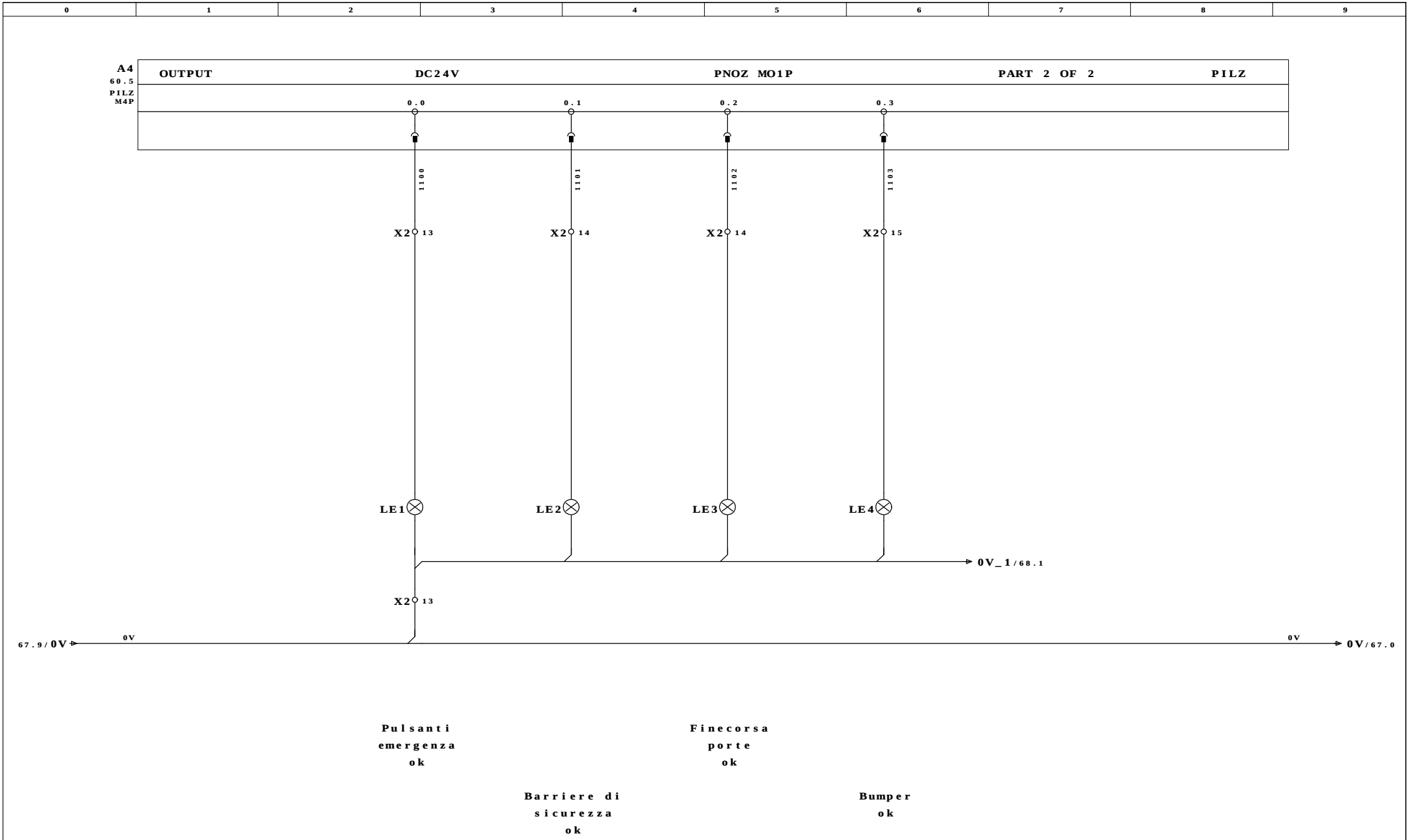
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.66
Modifiche	Data	Nome	Norm.						266



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			Diseg.	MDM	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

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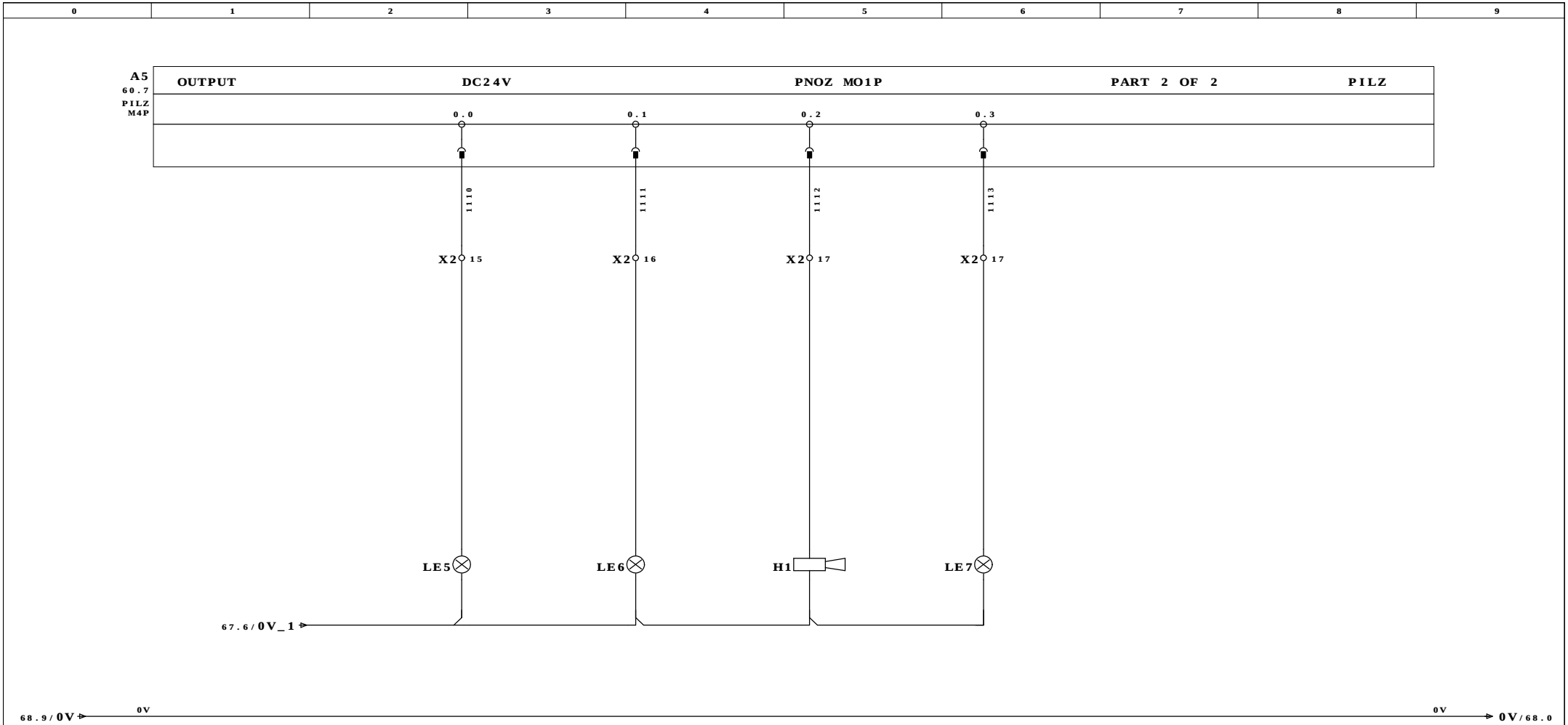


Tappeti
ok

Indicatore
sonoro
esclusione
carico

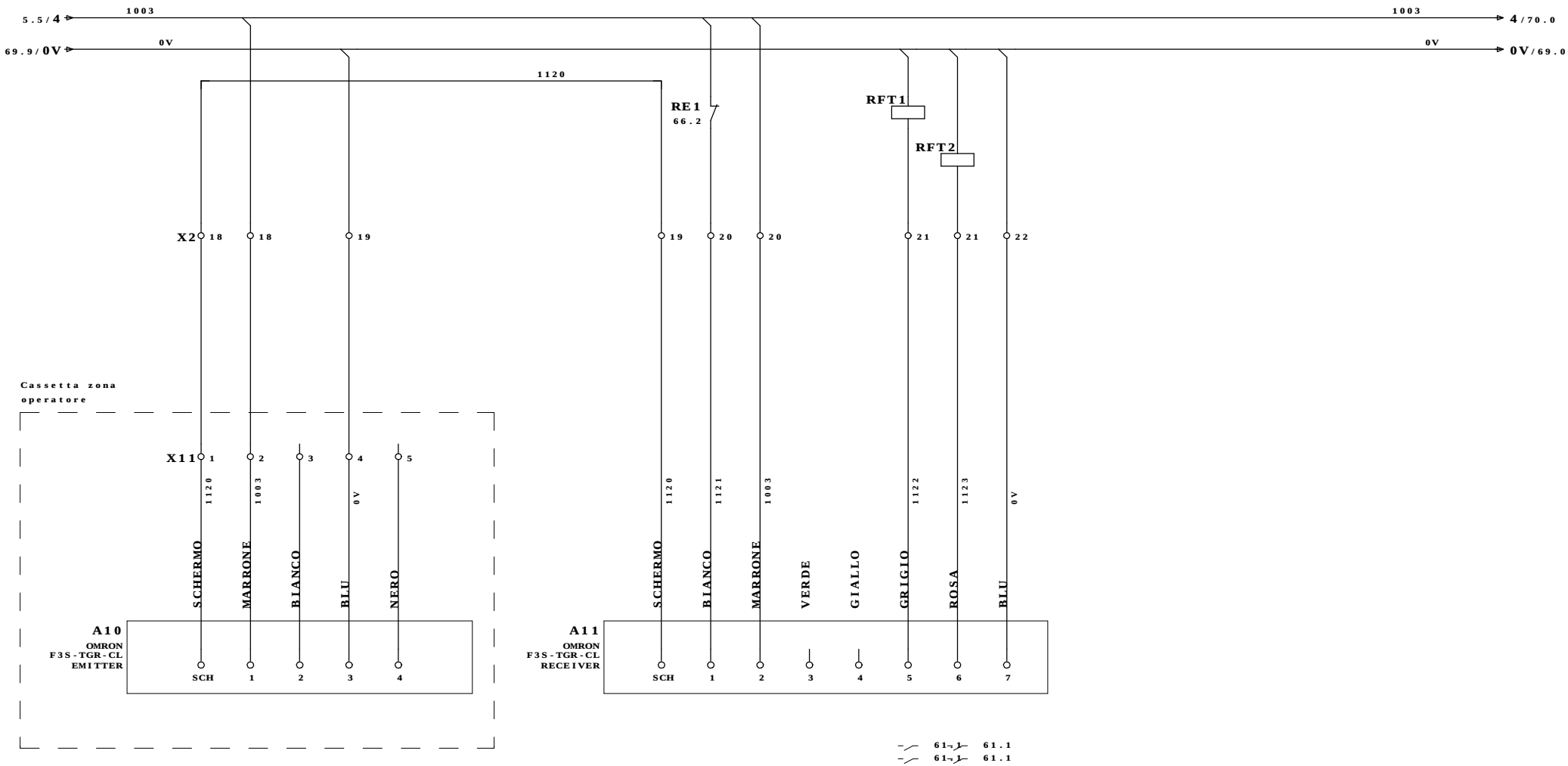
Macchina
ok

Indicatore
visivo
esclusione
carico

67

69

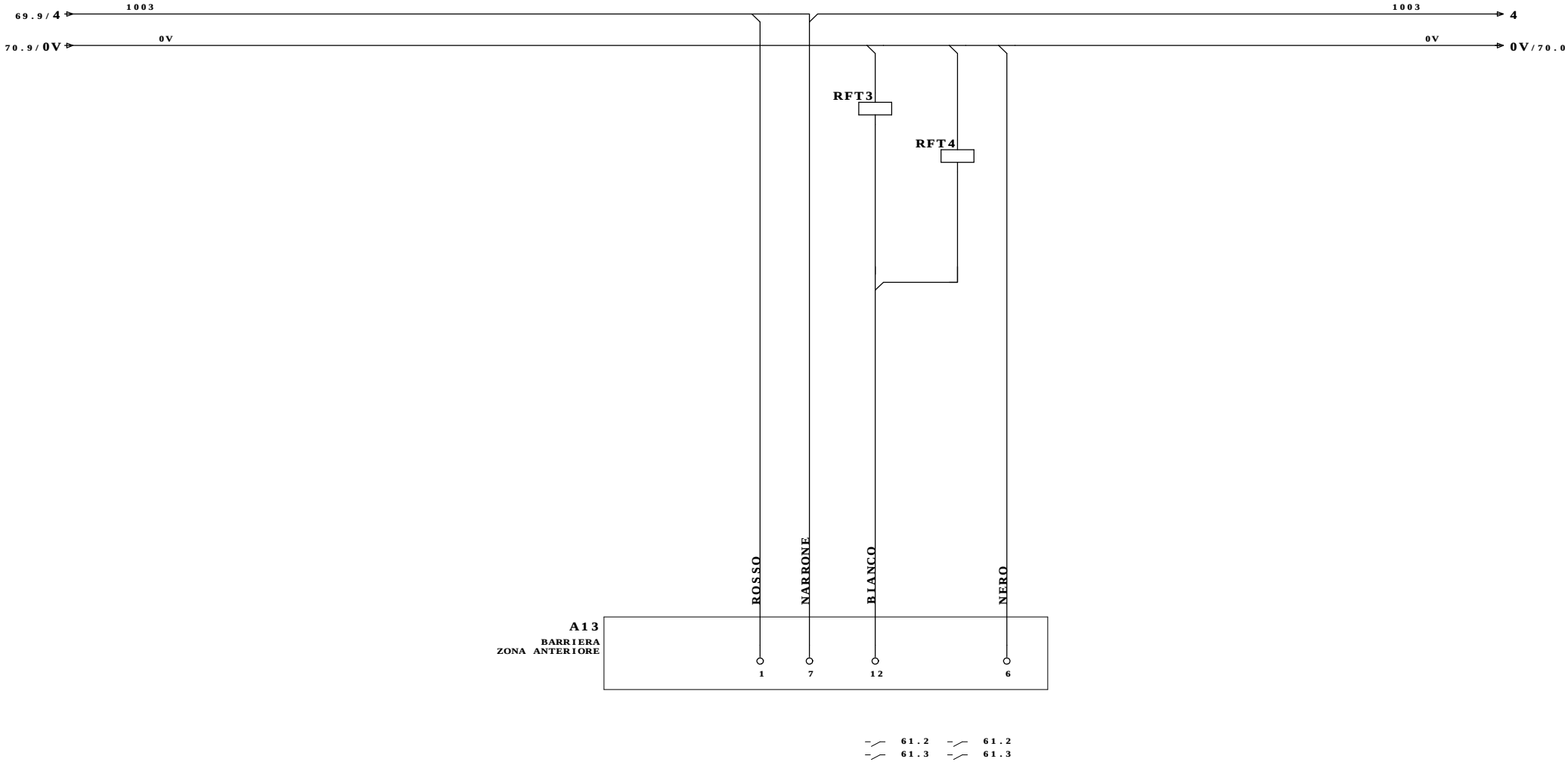
			Data		2010/7693	REM s.r.l.	Output di sicurezza	2010/7693	=
			Diseg.	MDM	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.68
Modifiche	Data	Nome	Norm.						266



68

70

			Data		2010/7693	REM s.r.l.	Barriera sicurezza zona operatore	2010/7693	=
			Diseg.	MDM	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.69
Modifiche	Data	Nome	Norm.						266



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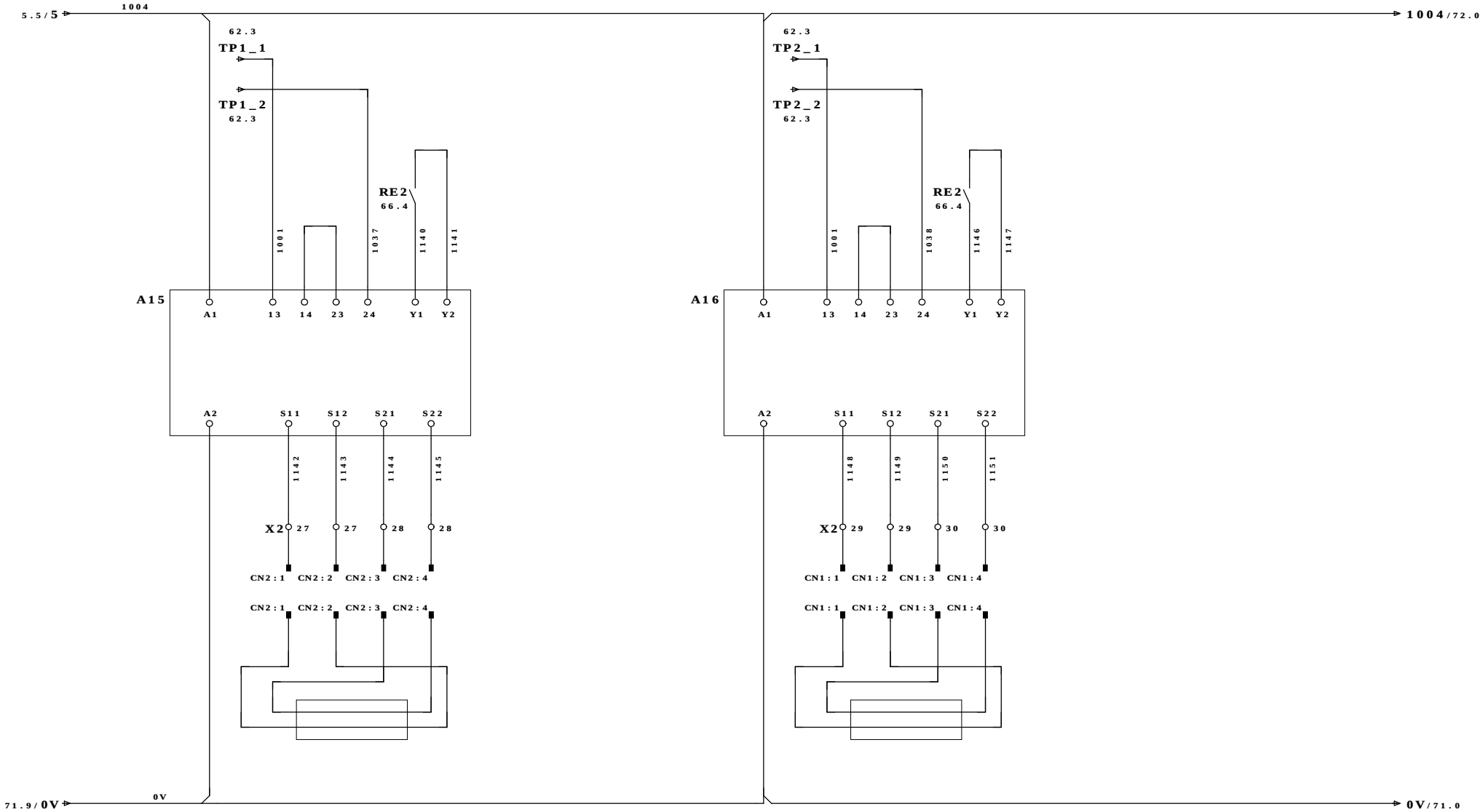
			Diseg.	MDM	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.70
Modifiche	Data	Nome	Norm.						266



70

72

			Data		2010/7693	REM s.r.l.	Tappeti di sicurezza	2010/7693	=
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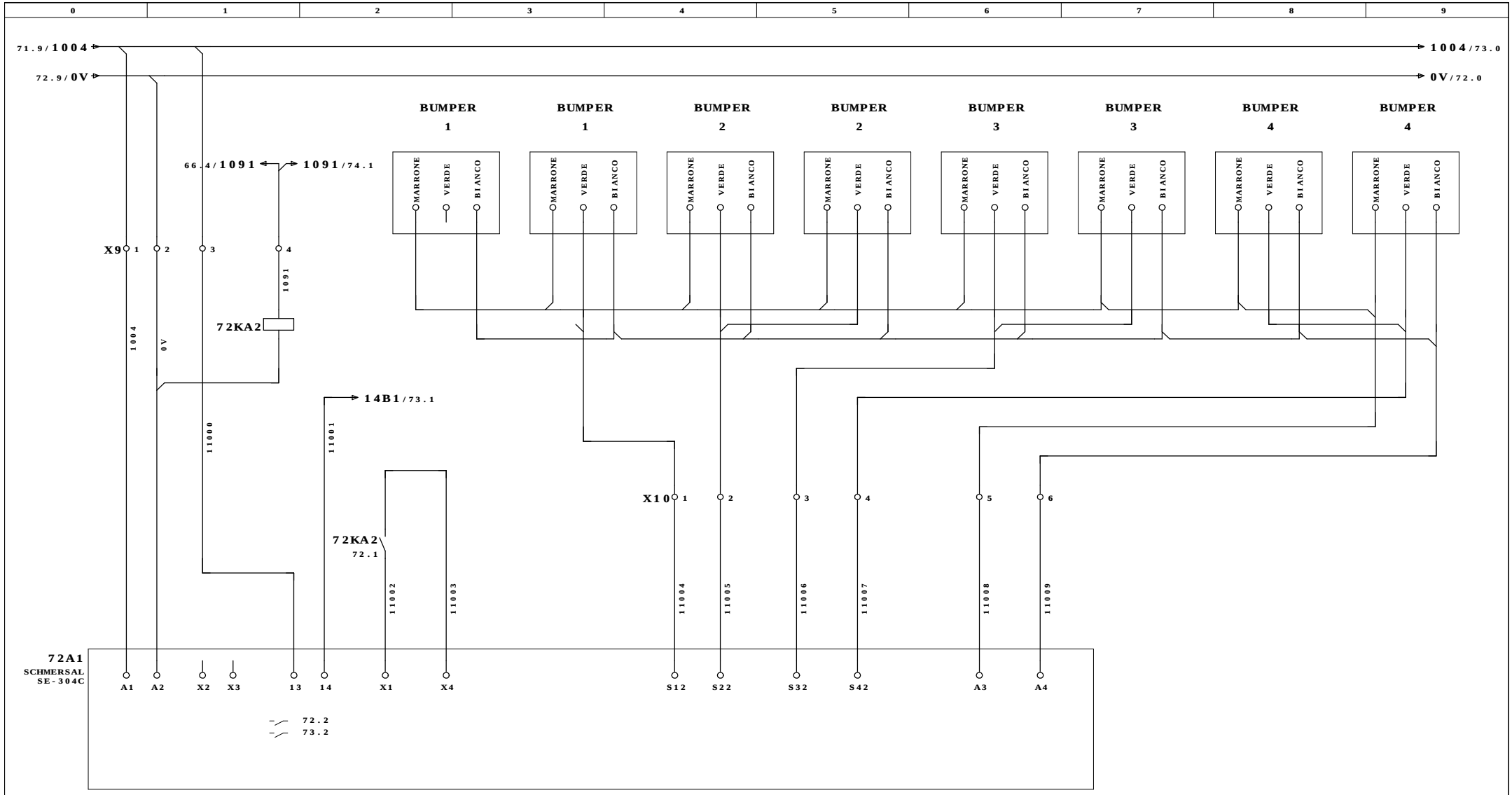
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.71
Modifiche	Data	Nome	Norm.						266



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73

			Data		2010/7693	REM s.r.l.	BUMPER	2010/7693	=
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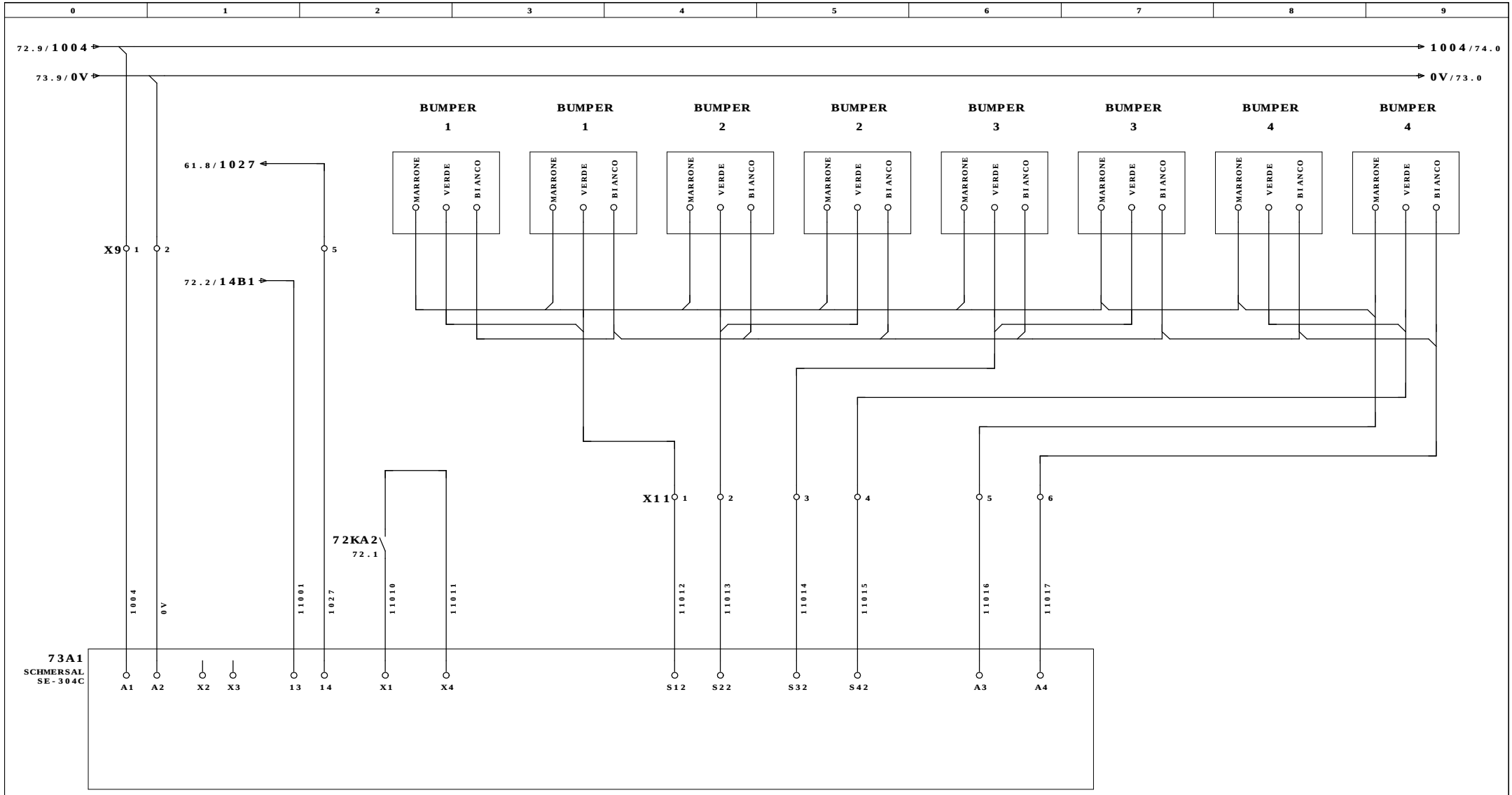
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.72
Modifiche	Data	Nome	Norm.						266



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74

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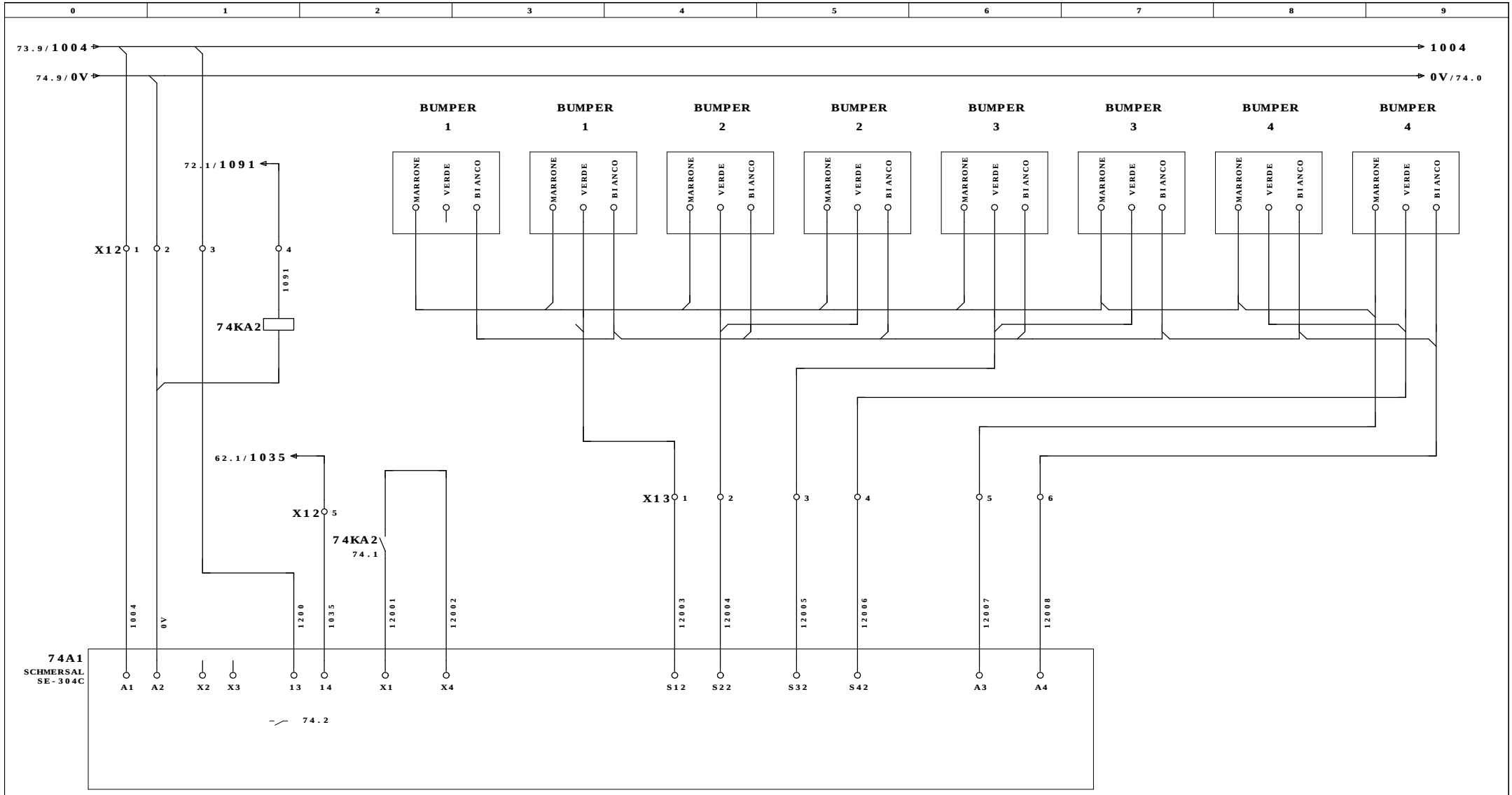
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.73
Modifiche	Data	Nome	Norm.						266



73 75

			Data		2010/7693	REM s.r.l.	BUMPER	2010/7693
			Diseg.	MDM	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

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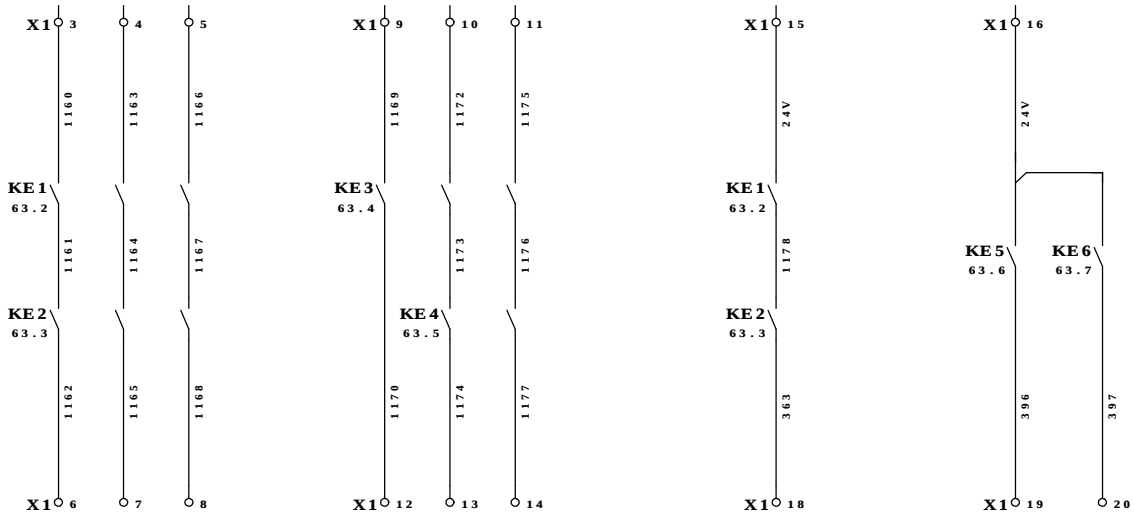

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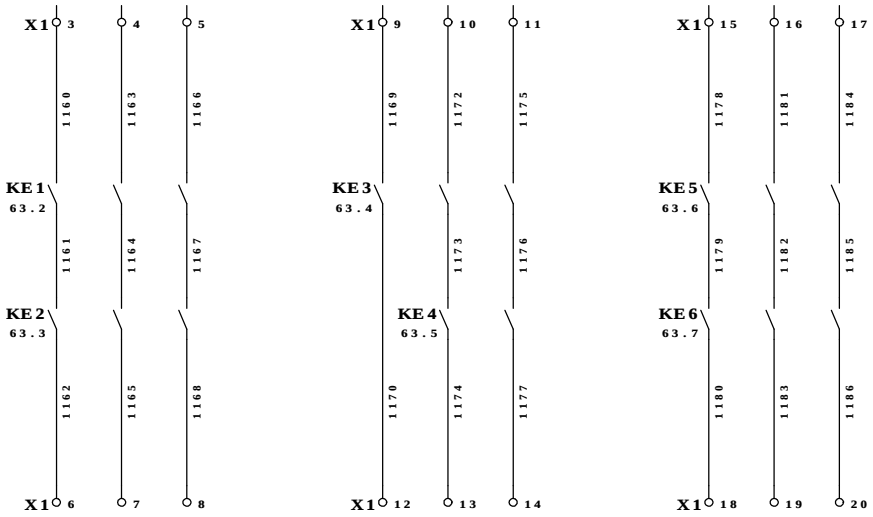
			Diseg.	MDM	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.75
Modifiche	Data	Nome	Norm.						266



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			Data		2010/7693	REM s.r.l.	Interfaccia emergenze	2010/7693	=
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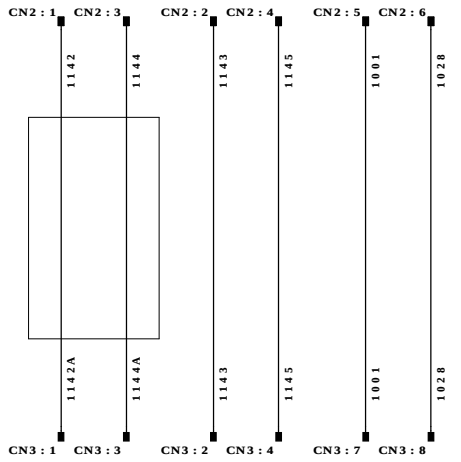
			Plot.	26.Set.2011				Quasar Engineering srl	Pag.76
Modifiche	Data	Nome	Norm.						266

0	1	2	3	4	5	6	7	8	9

TAPPETO INTERNO PICCOLO



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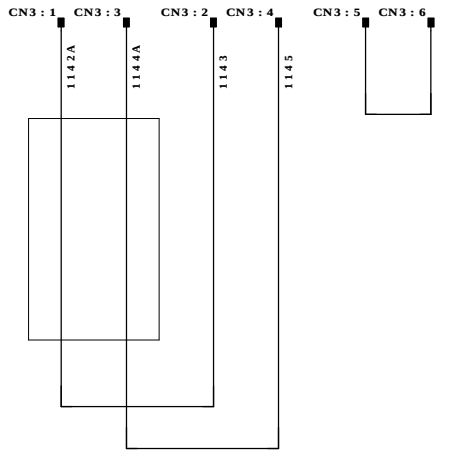

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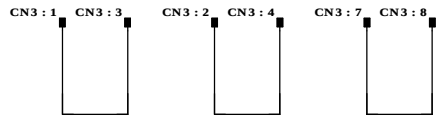
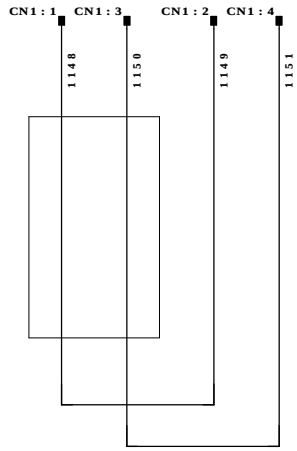


PEDANA MOBILE



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200

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			Diseg.	MDM	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

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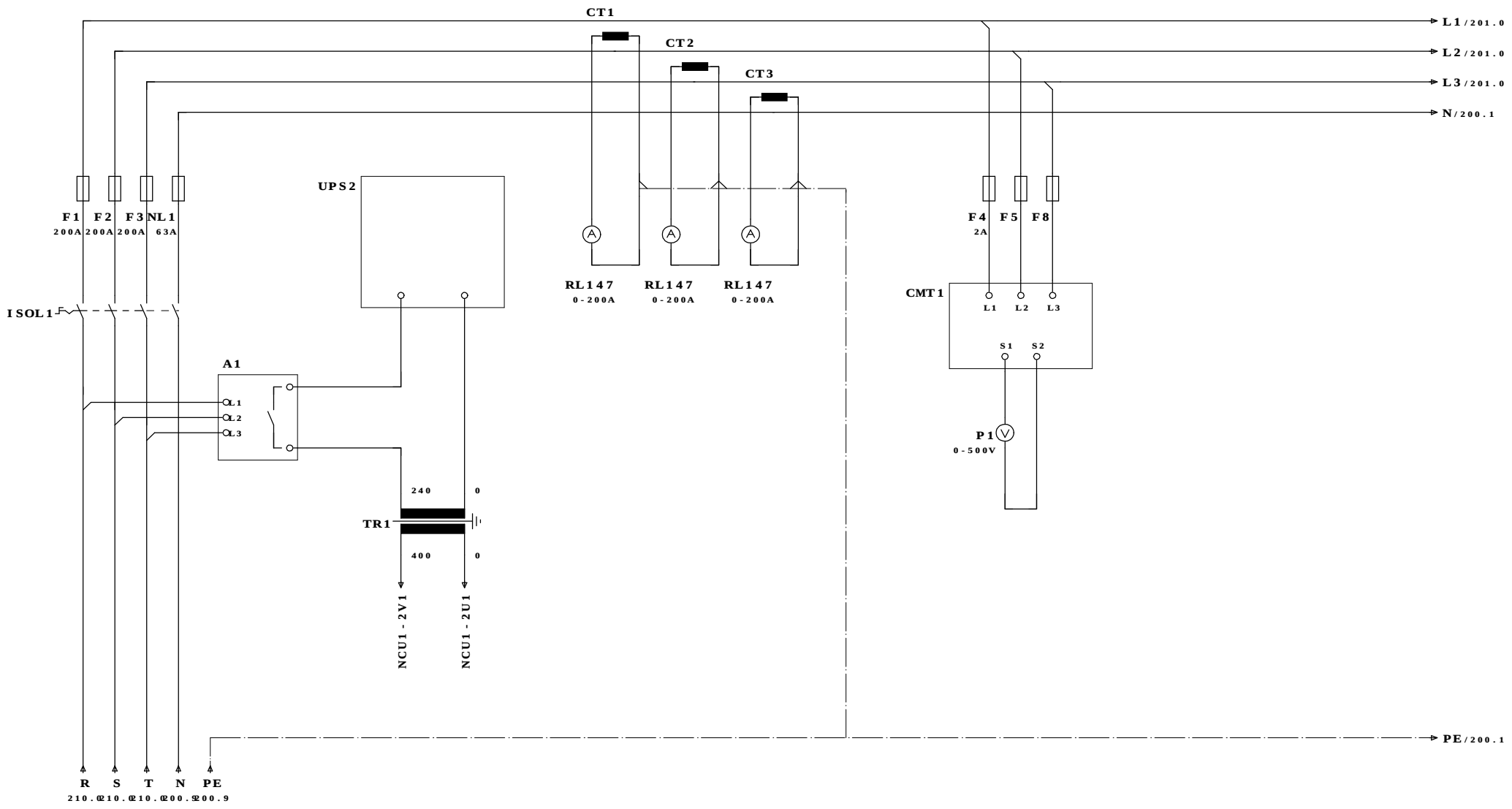
Pag.77

266



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201

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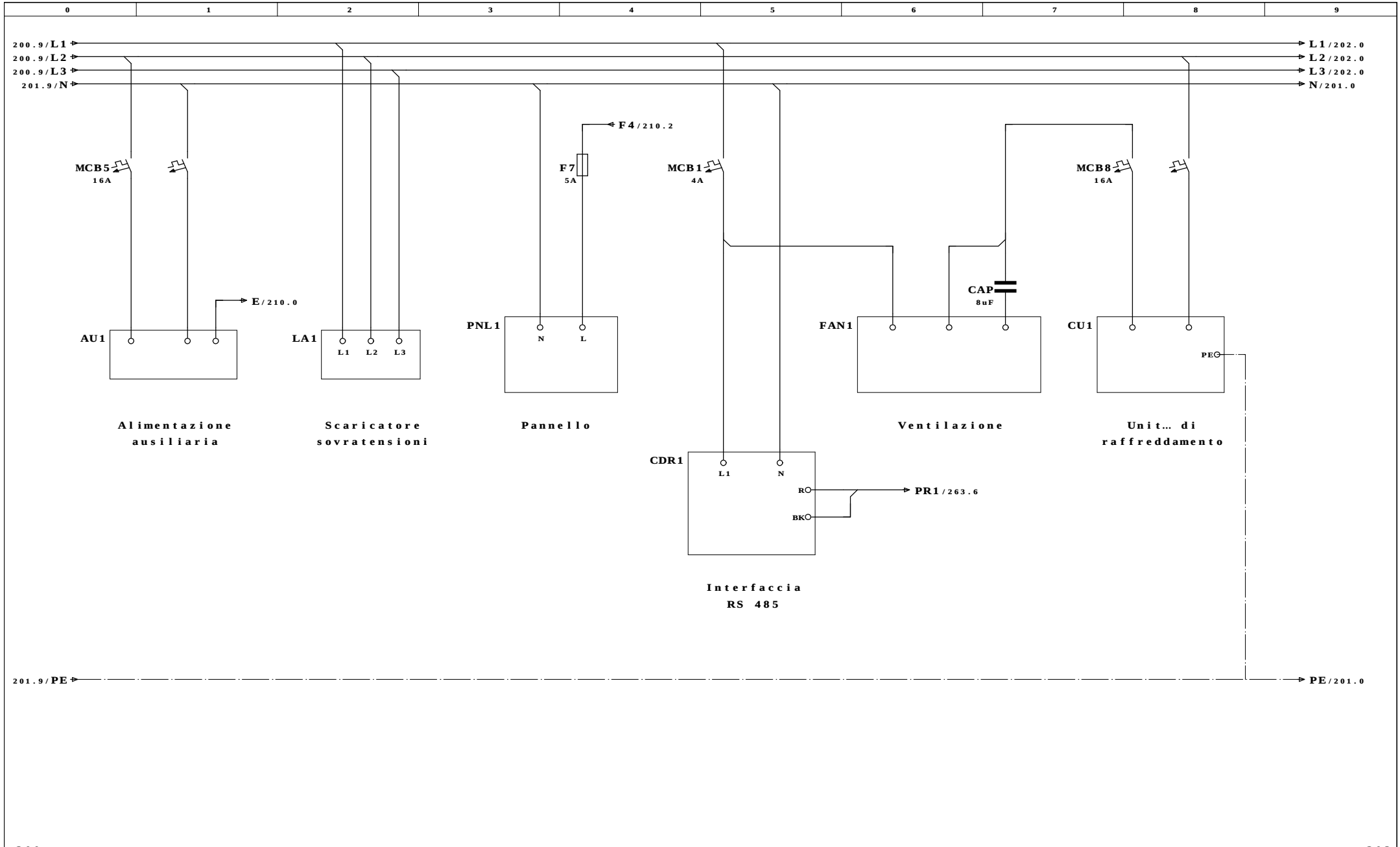
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 200
Modifiche	Data	Nome	Norm.						266



			Data		2010/7693	REM s.r.l.	Alimentazione generale	2010/7693	=
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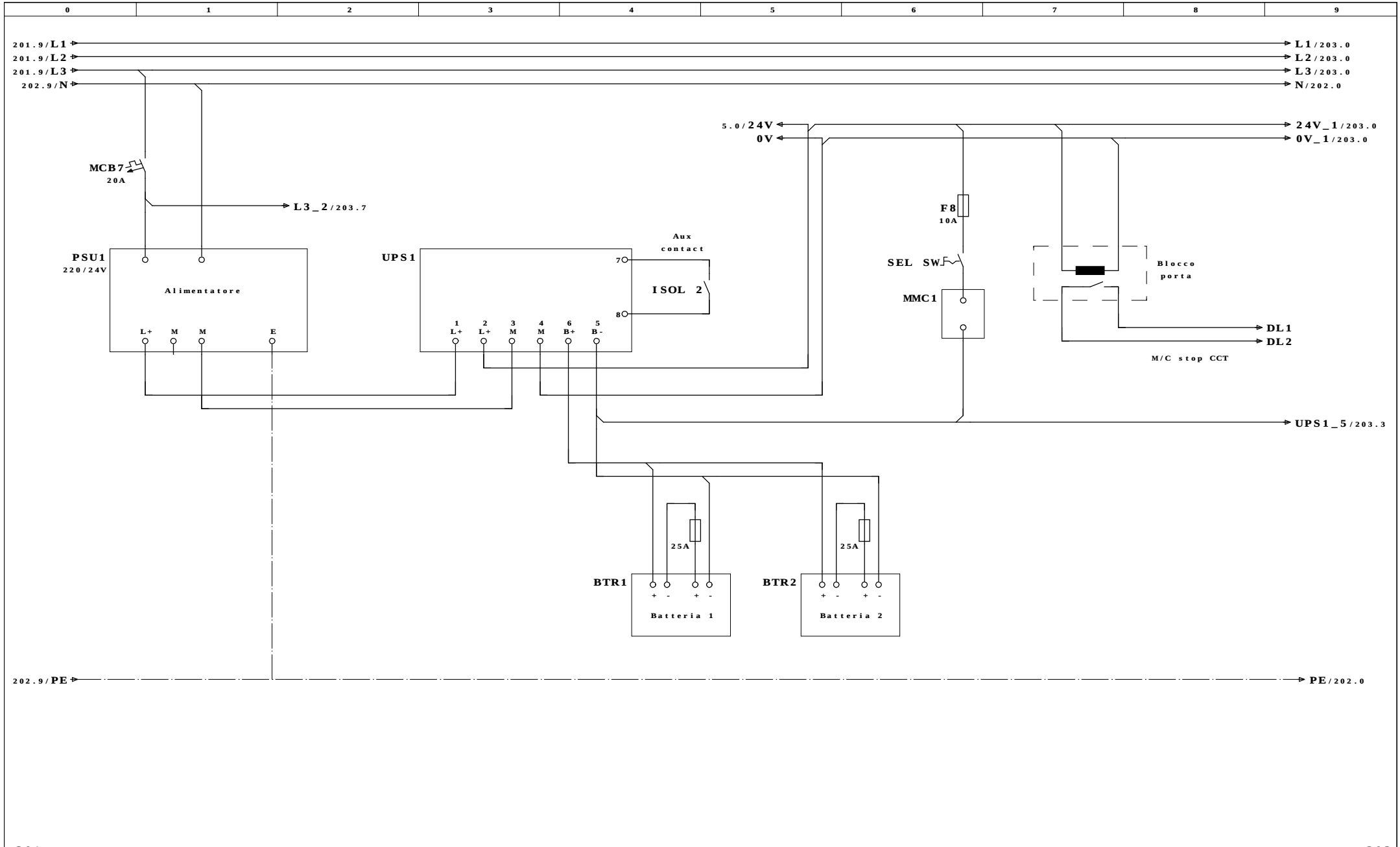
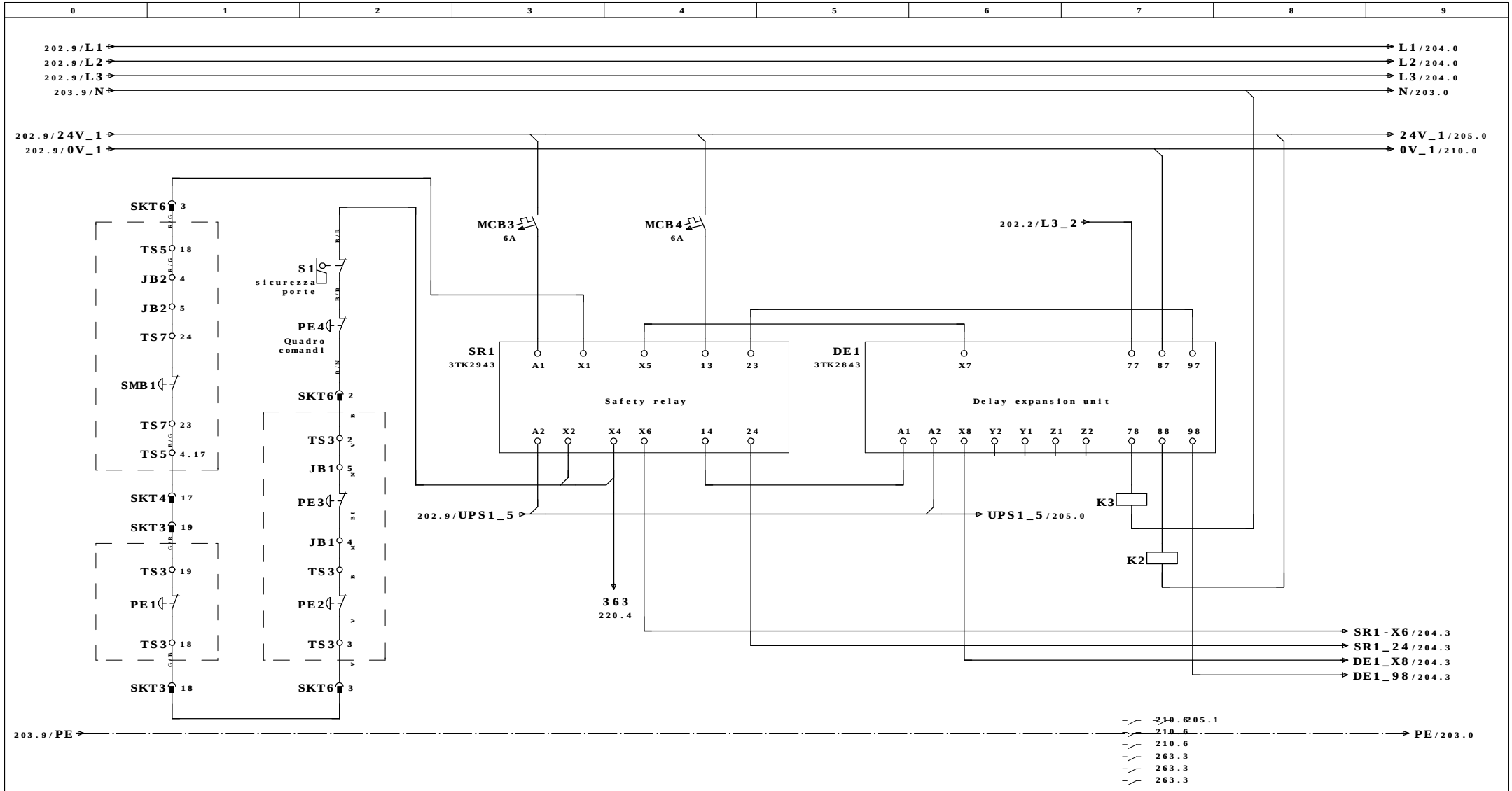
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 201
Modifiche	Data	Nome	Norm.						266



201 203

			Data		2010/7693	REM s.r.l.	UPS	2010/7693	=
			Diseg.	MDM	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 202
Modifiche	Data	Nome	Norm.						266



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			Diseg.	MDM	Avvolgitrice Pultrex			
			Plot.	26.Set.2011				Quasar Engineering srl
Modifiche	Data	Nome	Norm.					

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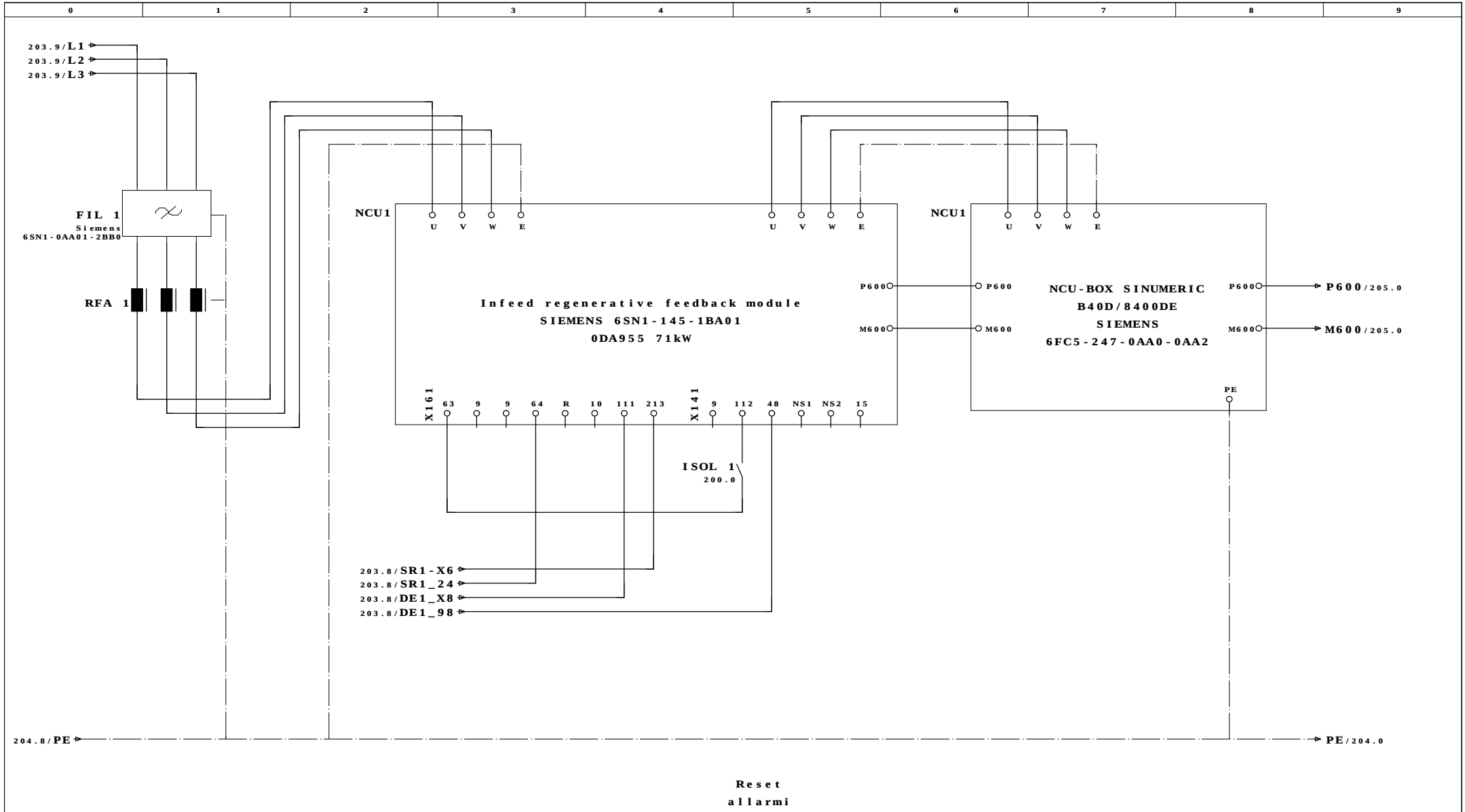
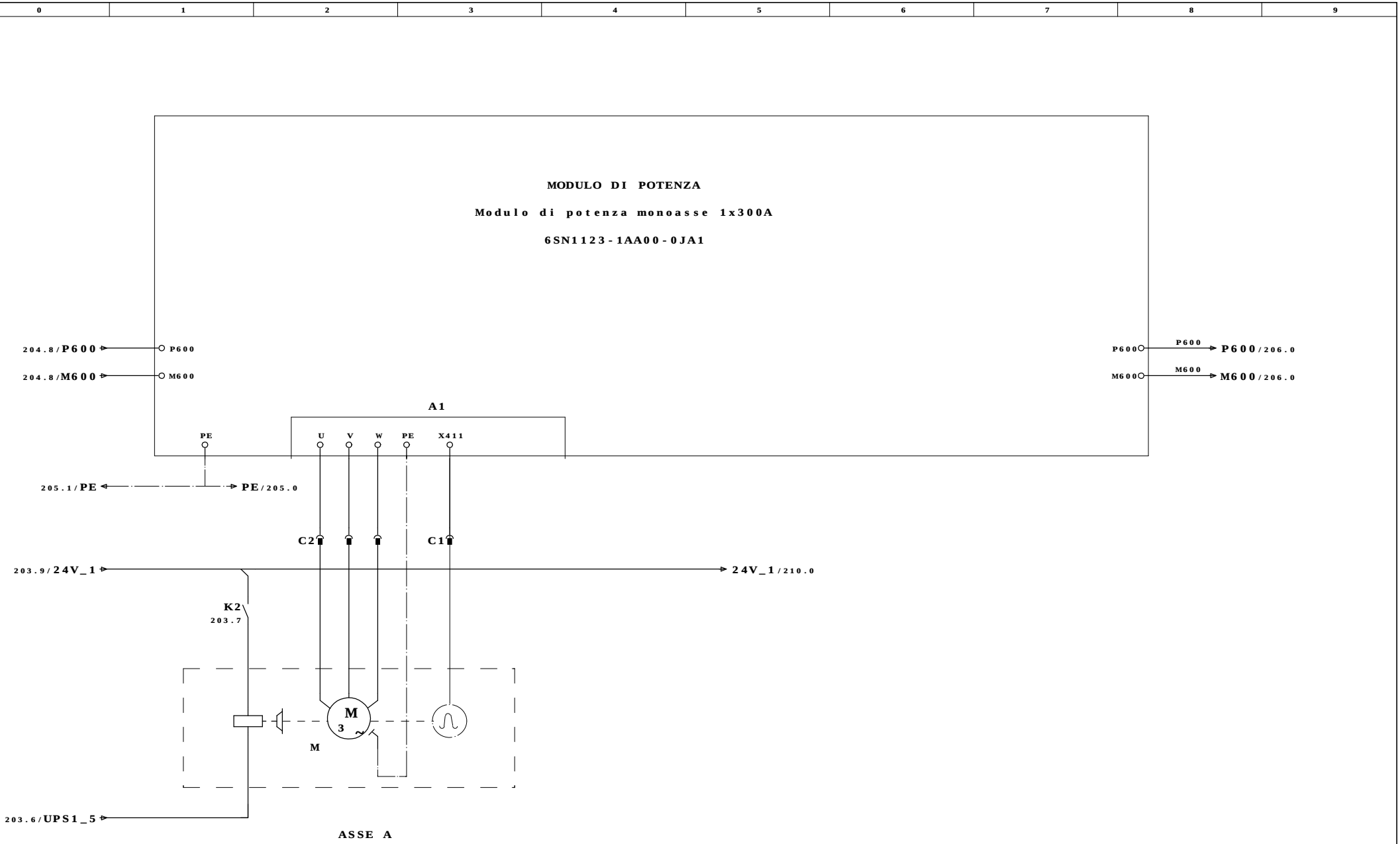
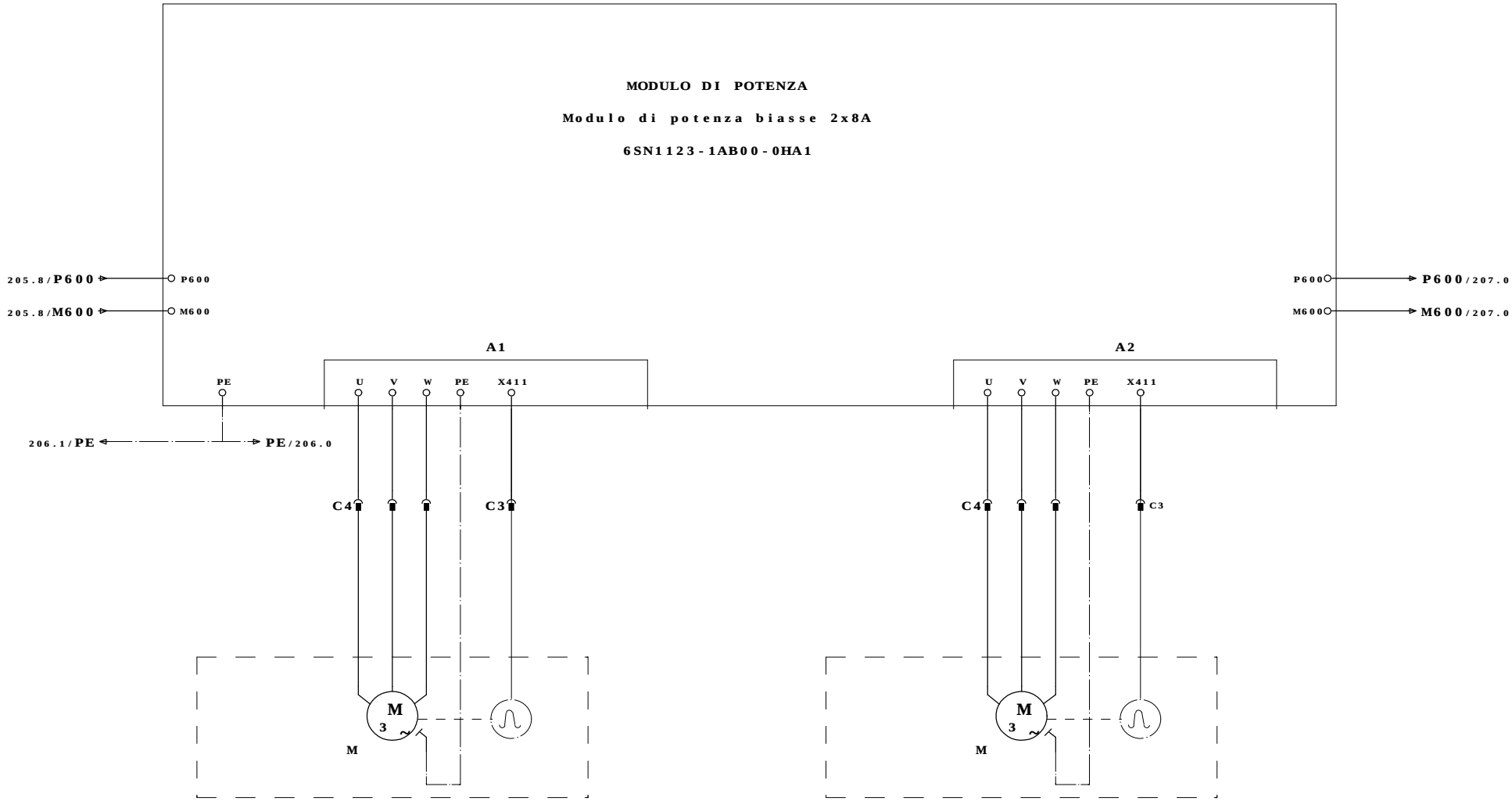


			Data		2010/7693	REM s.r.l.	Modulo alimentatore azionamenti	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 204
Modifiche	Data	Nome	Norm.						266



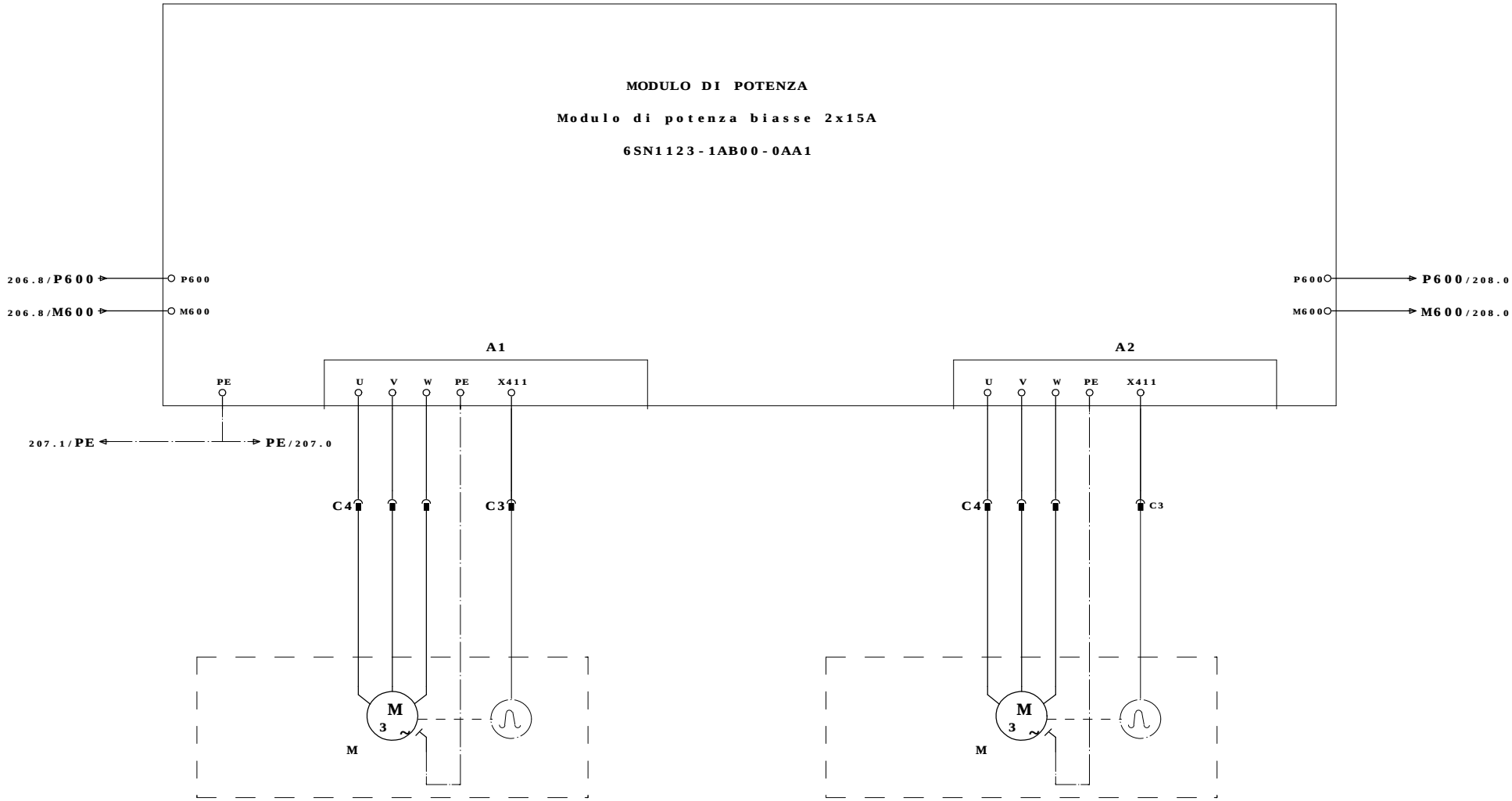
			Data		2010/7693	REM s.r.l.	AZIONAMENTO ASSE A	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 205
Modifiche	Data	Nome	Norm.						266



			Data		2010/7693	REM s.r.l.	AZIONAMENTI ASSE X e Y	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex			
			Plot.	26.Set.2011				Quasar Engineering srl
Modifiche	Data	Nome	Norm.					

=
+

Pag 206
266



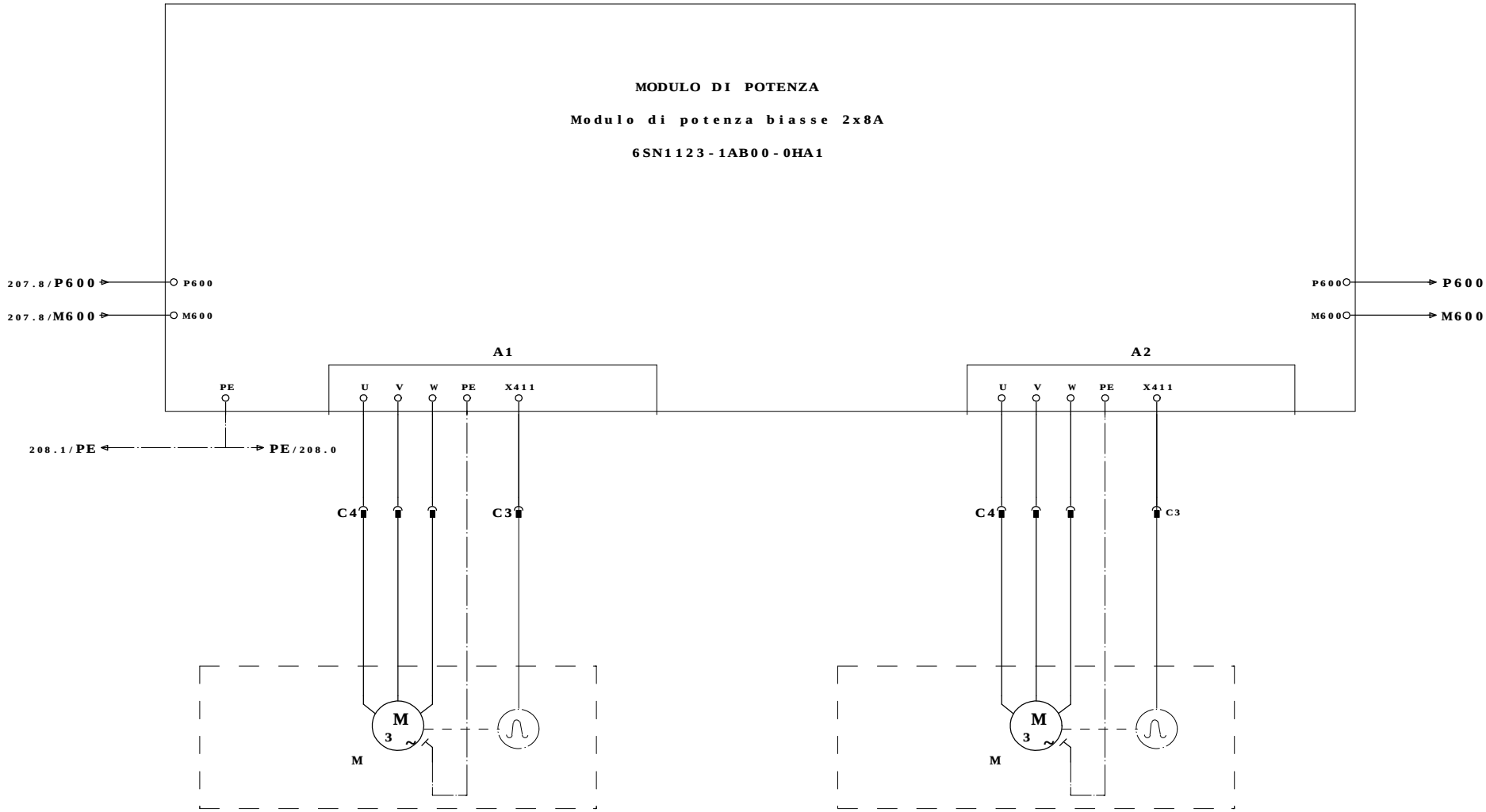
206

208

			Data		2010/7693	REM s.r.l.	AZIONAMENTI ASSE B e C	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

=
+

Pag 207
266



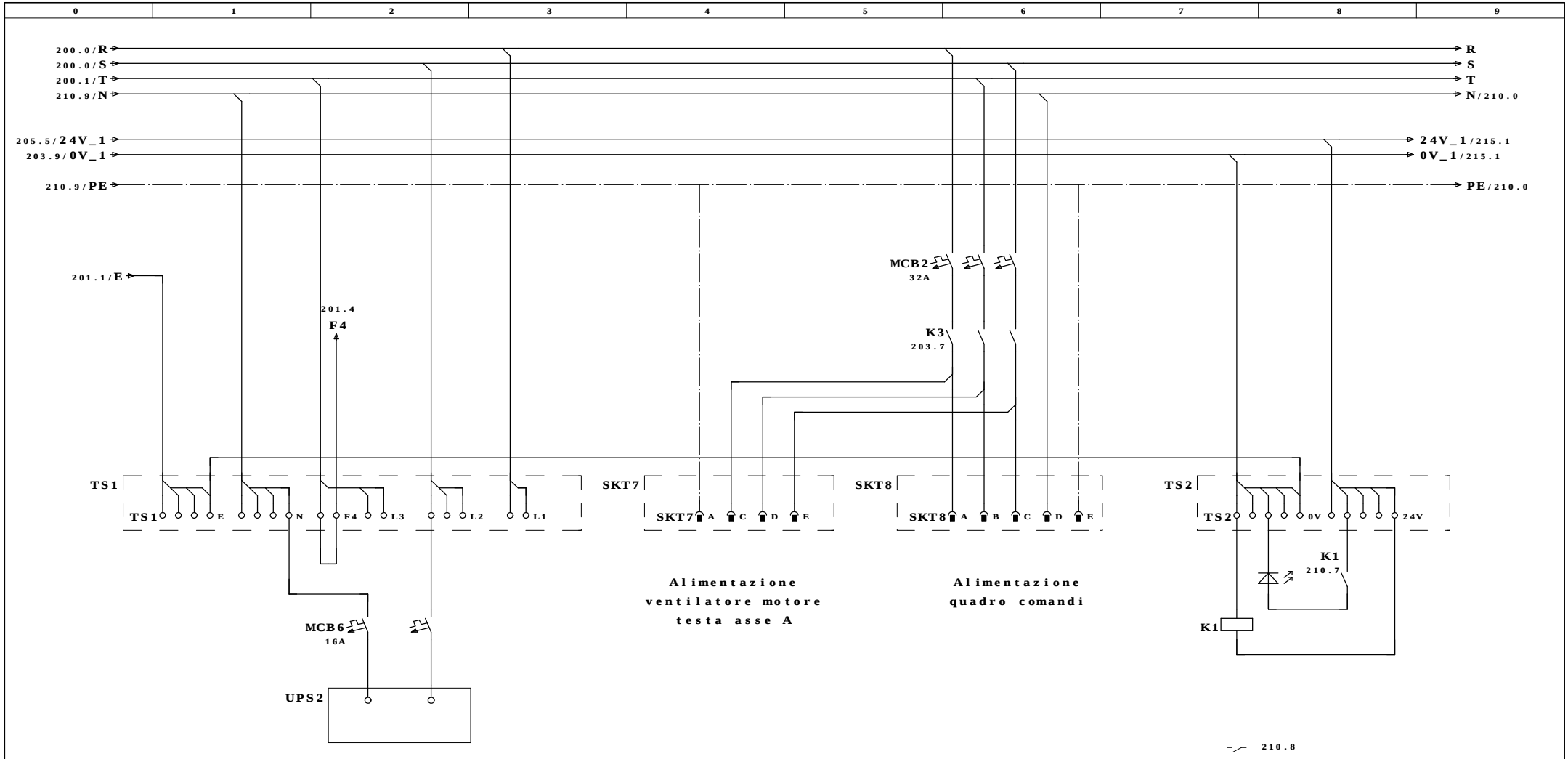
207

210

			Data		2010/7693	REM s.r.l.	AZIONAMENTI ASSE F e G	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

=
+

Pag 208
266



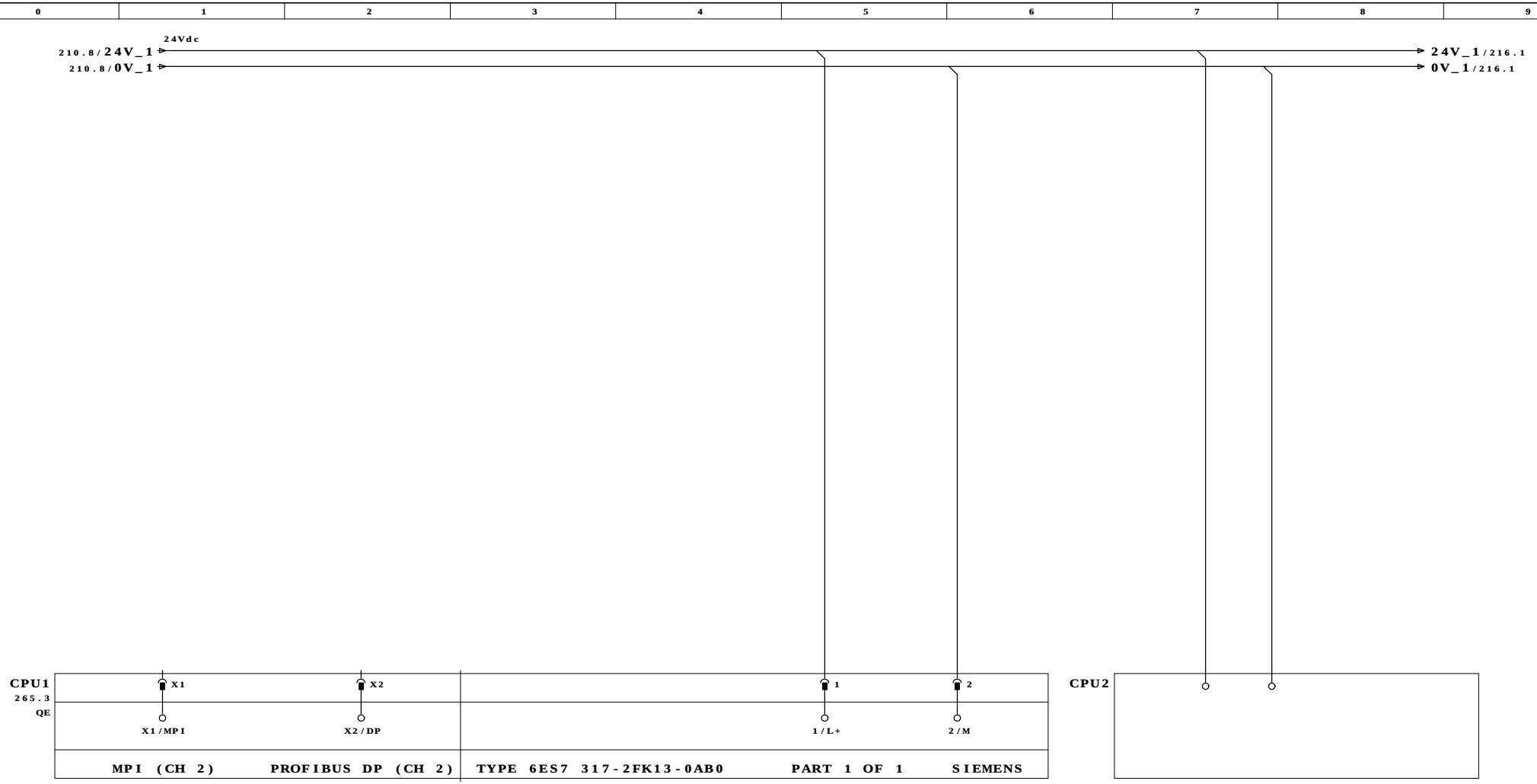
208

215

			Data		2010/7693	REM s.r.l.	Alimentazione generale	2010/7693
			Diseg.	MDM	Avvolgitrice Pultrex			
			Plot.	26.Set.2011				Quasar Engineering srl
Modifiche	Data	Nome	Norm.					

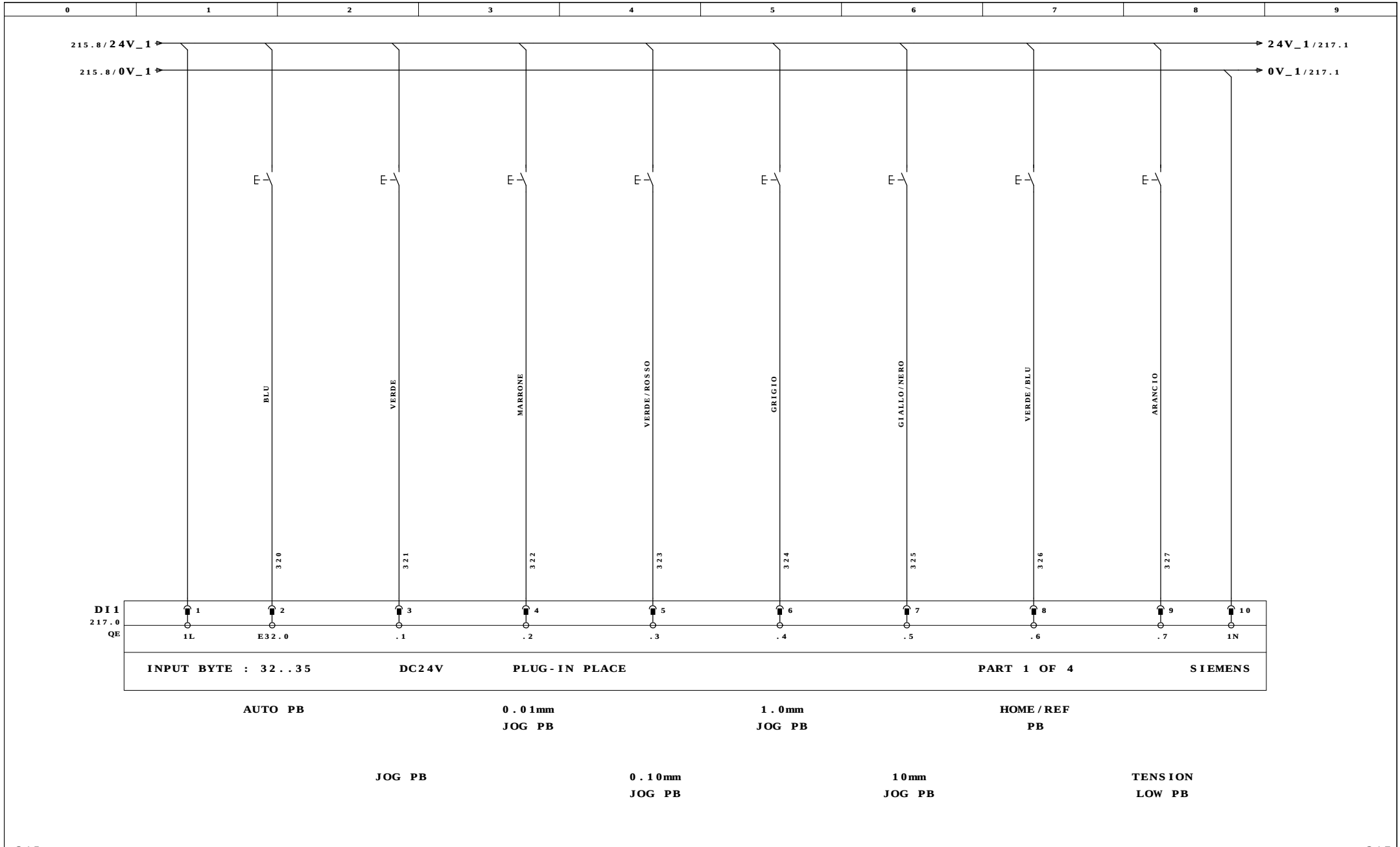
=
+

Pag 210
266



			Data		2010/7693	REM s.r.l.	CPU S7-300 317F 2DP	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

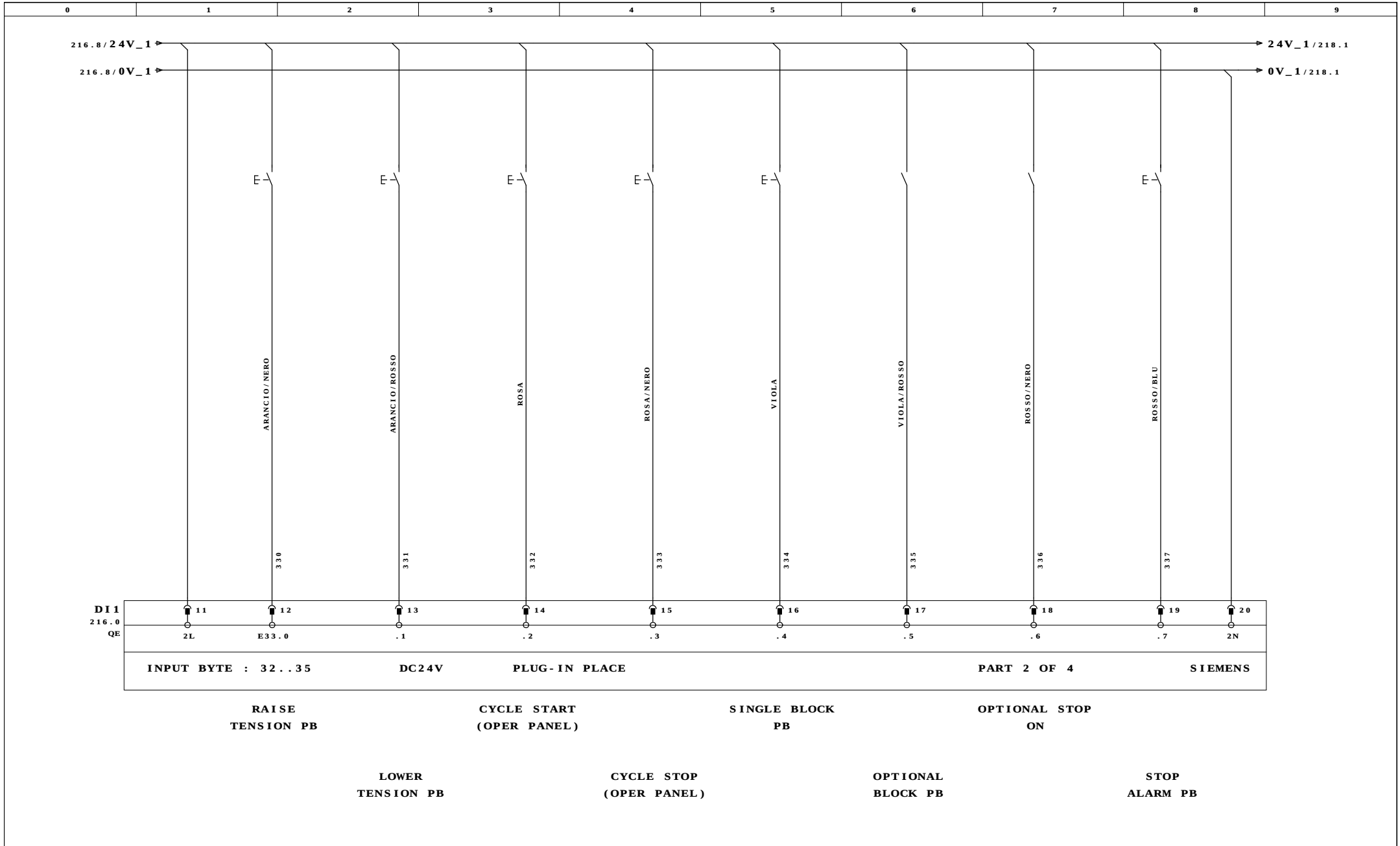
=
+



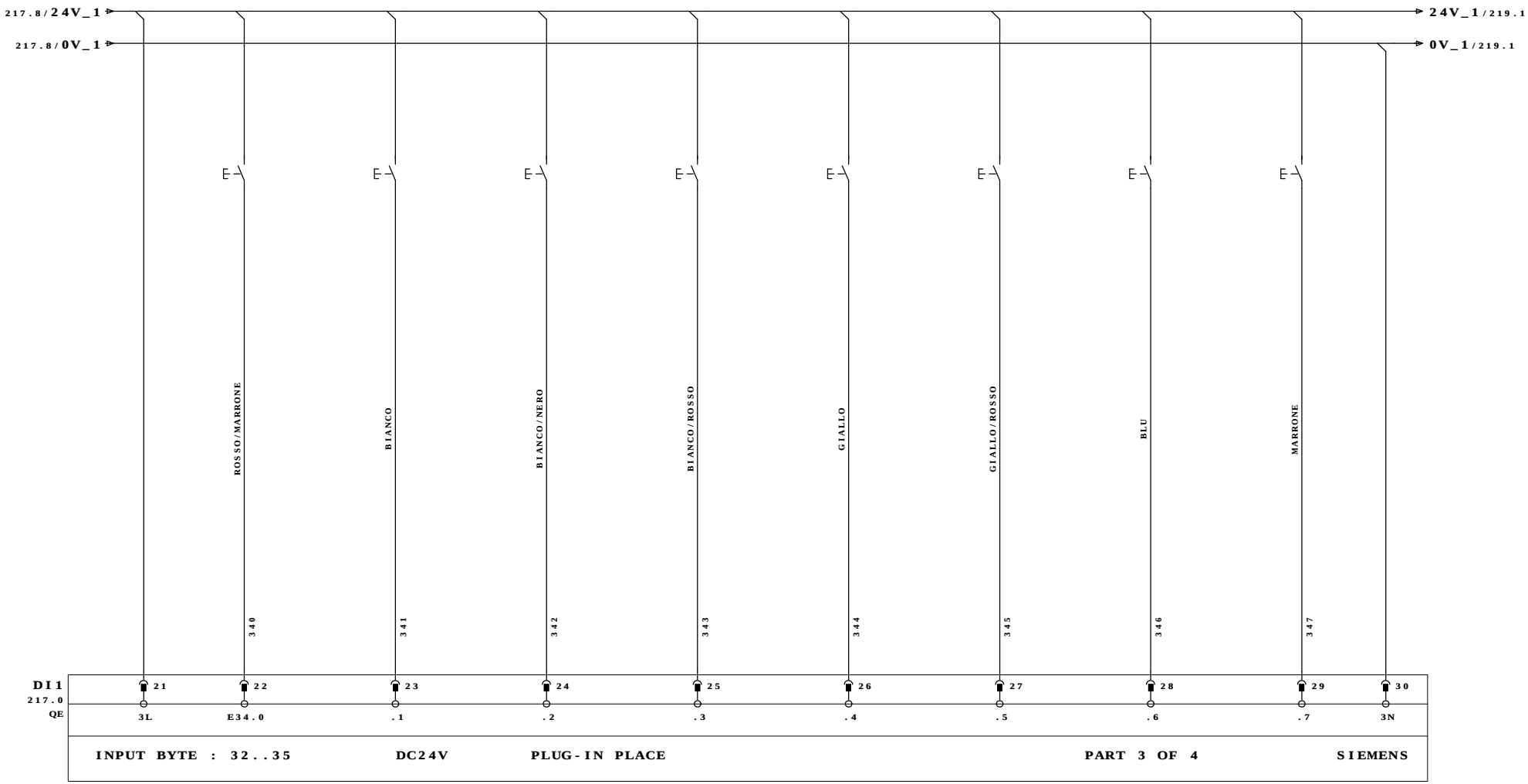
215

217

			Data		2010/7693	REM s.r.l.	IB94	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 216
Modifiche	Data	Nome	Norm.						266



			Data		2010/7693	REM s.r.l.	IB95	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 217
Modifiche	Data	Nome	Norm.						266



RUN FEED
RATE PB

RAISE FEED
RATE PB

JOG C
+ PB

JOG X
+ PB

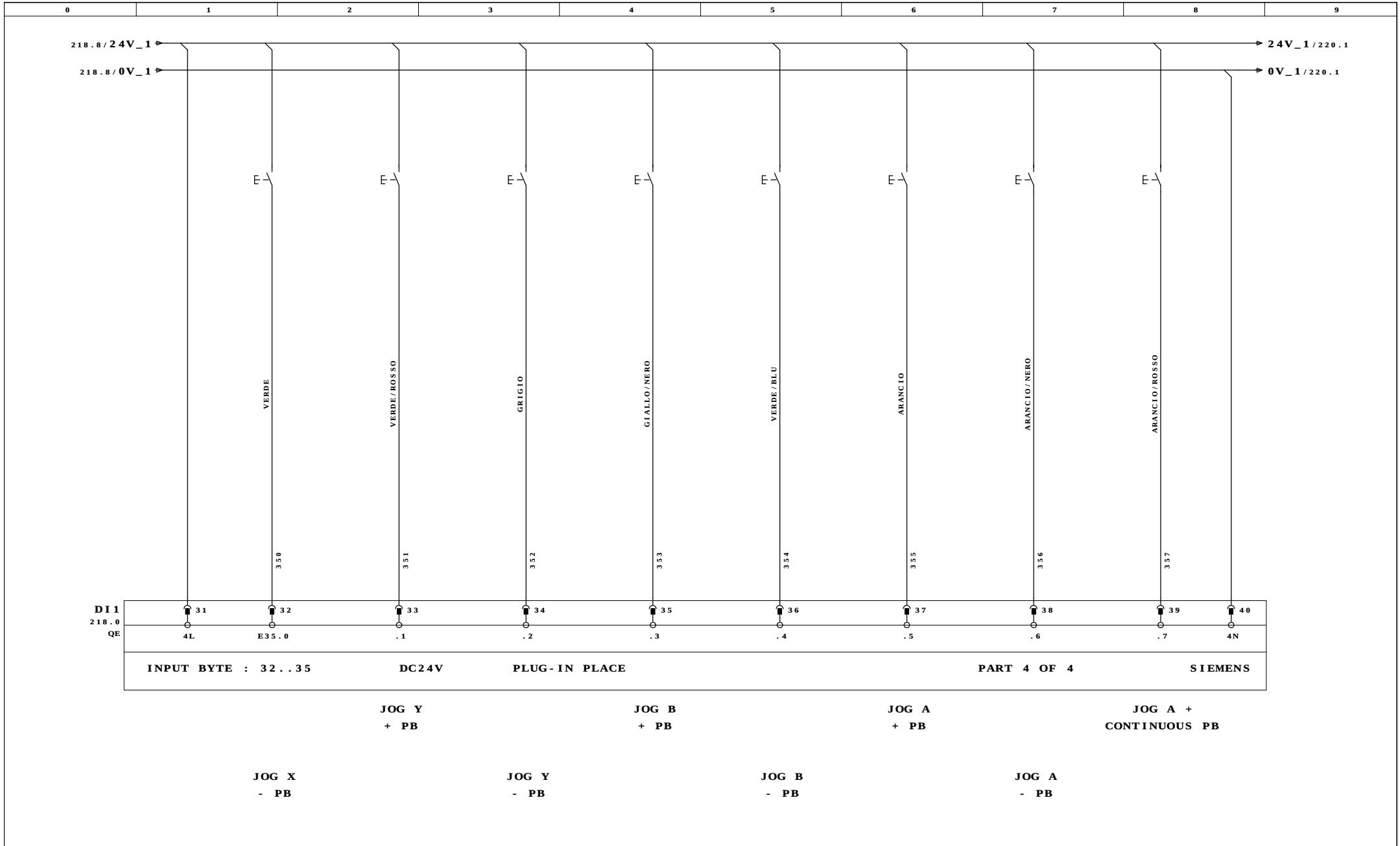
MDI
PB

LOW FEED
RATE PB

LOWER FEED
RATE PB

JOG C
- PB

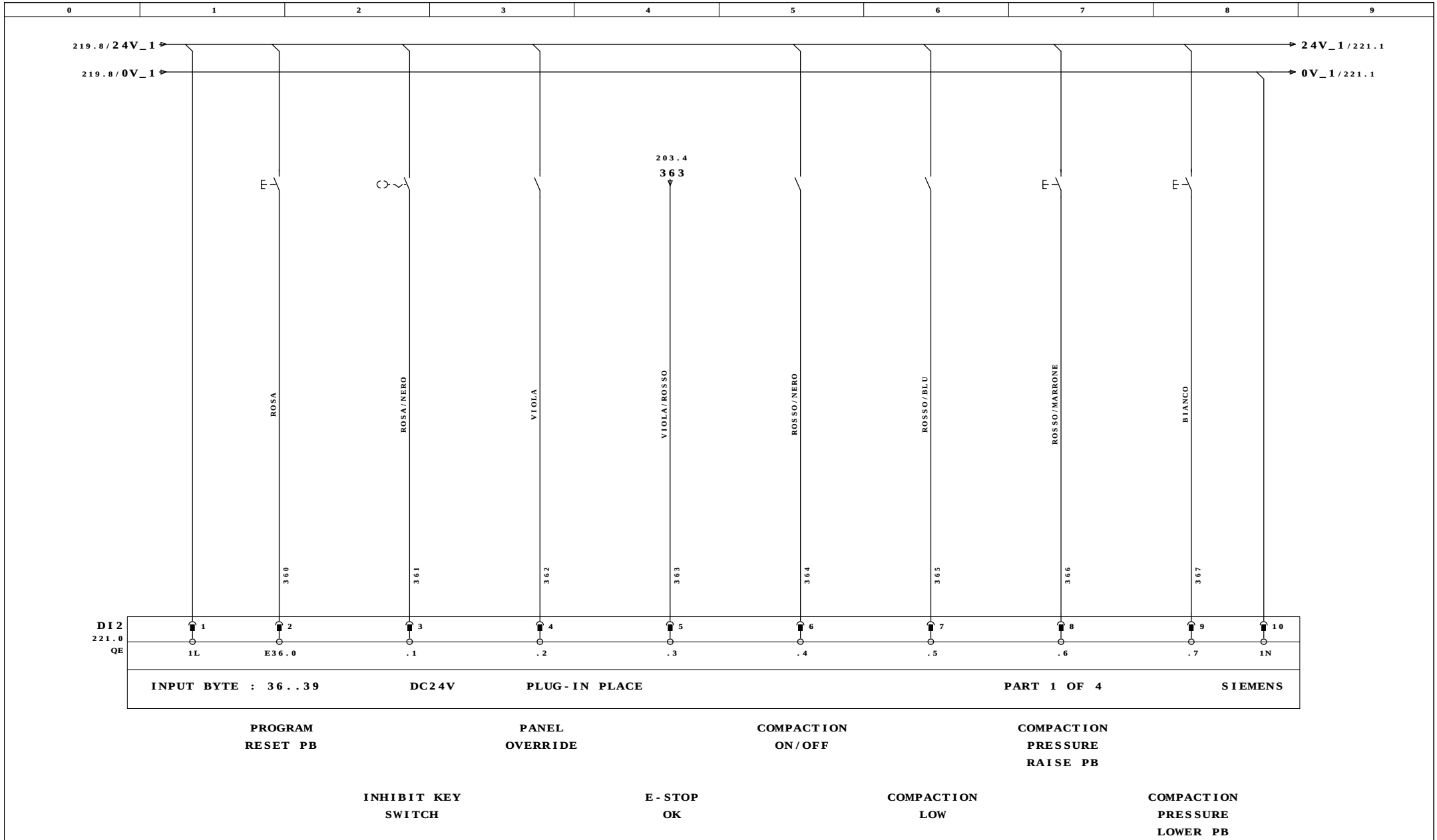
			Data		2010/7693	REM s.r.l.	IB96	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 218
Modifiche	Data	Nome	Norm.						266



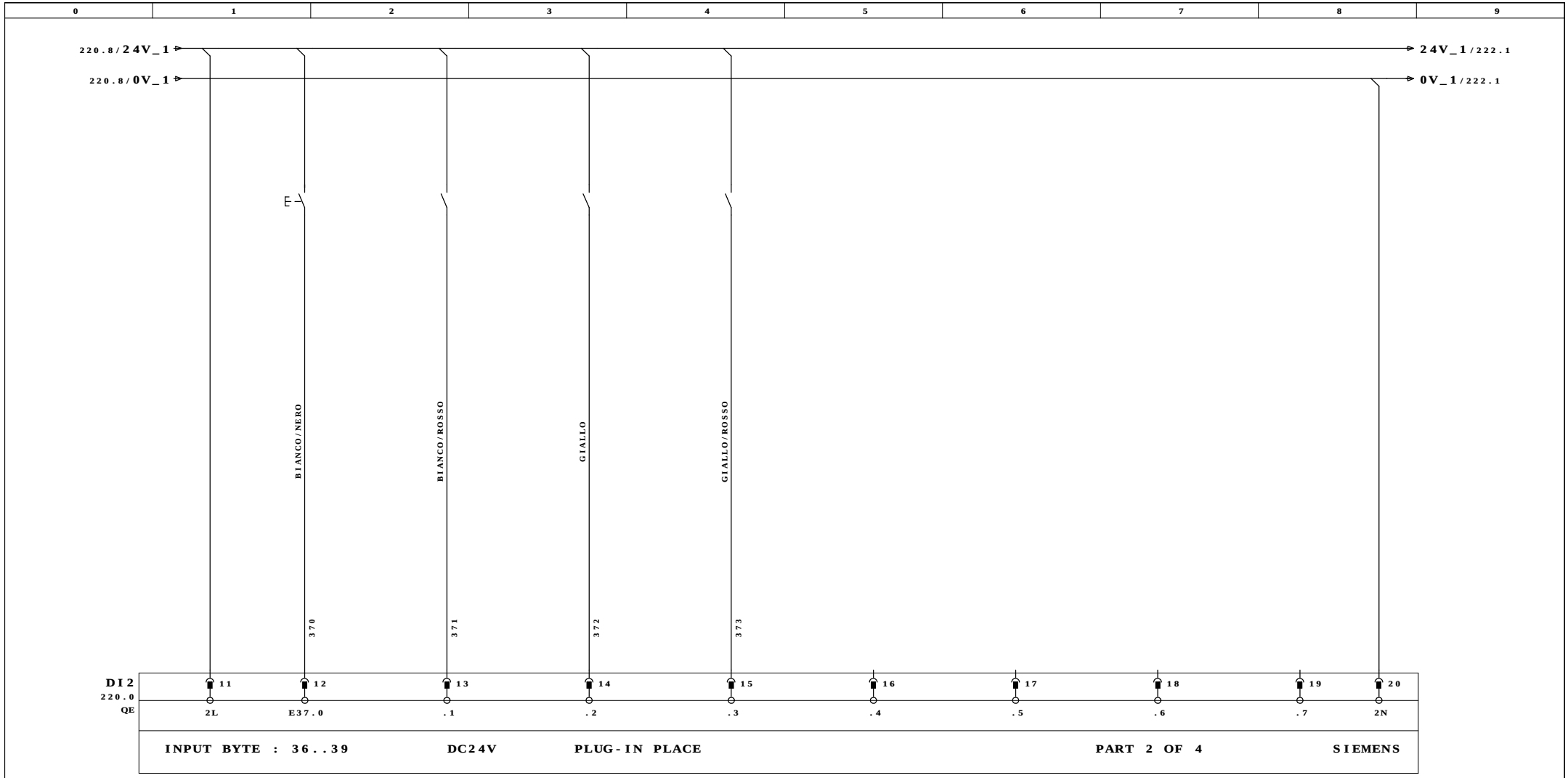
218

220

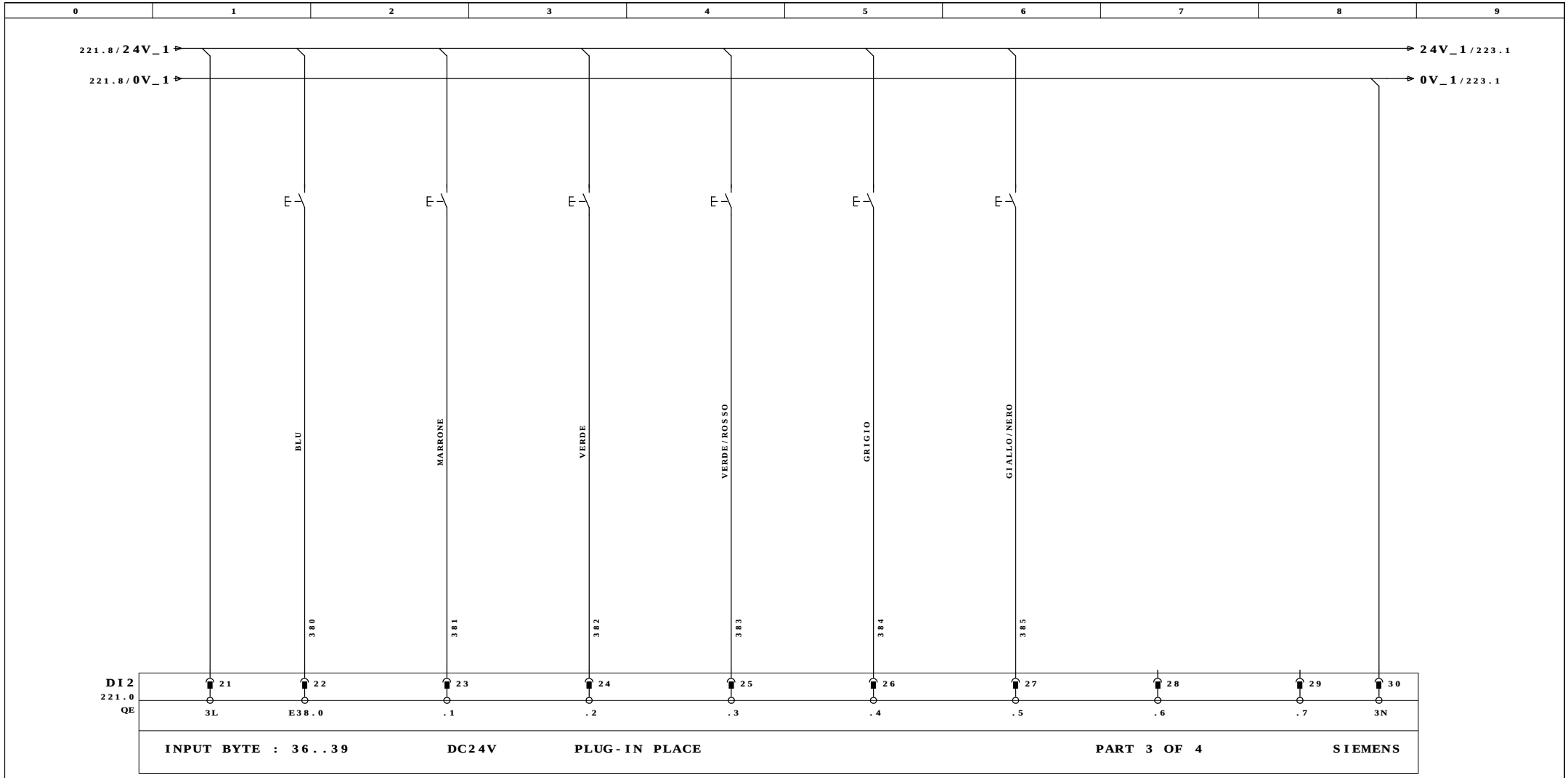
			Data		2010/7693	REM s.r.l.	IB97	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 219
Modifiche	Data	Nome	Norm.						266

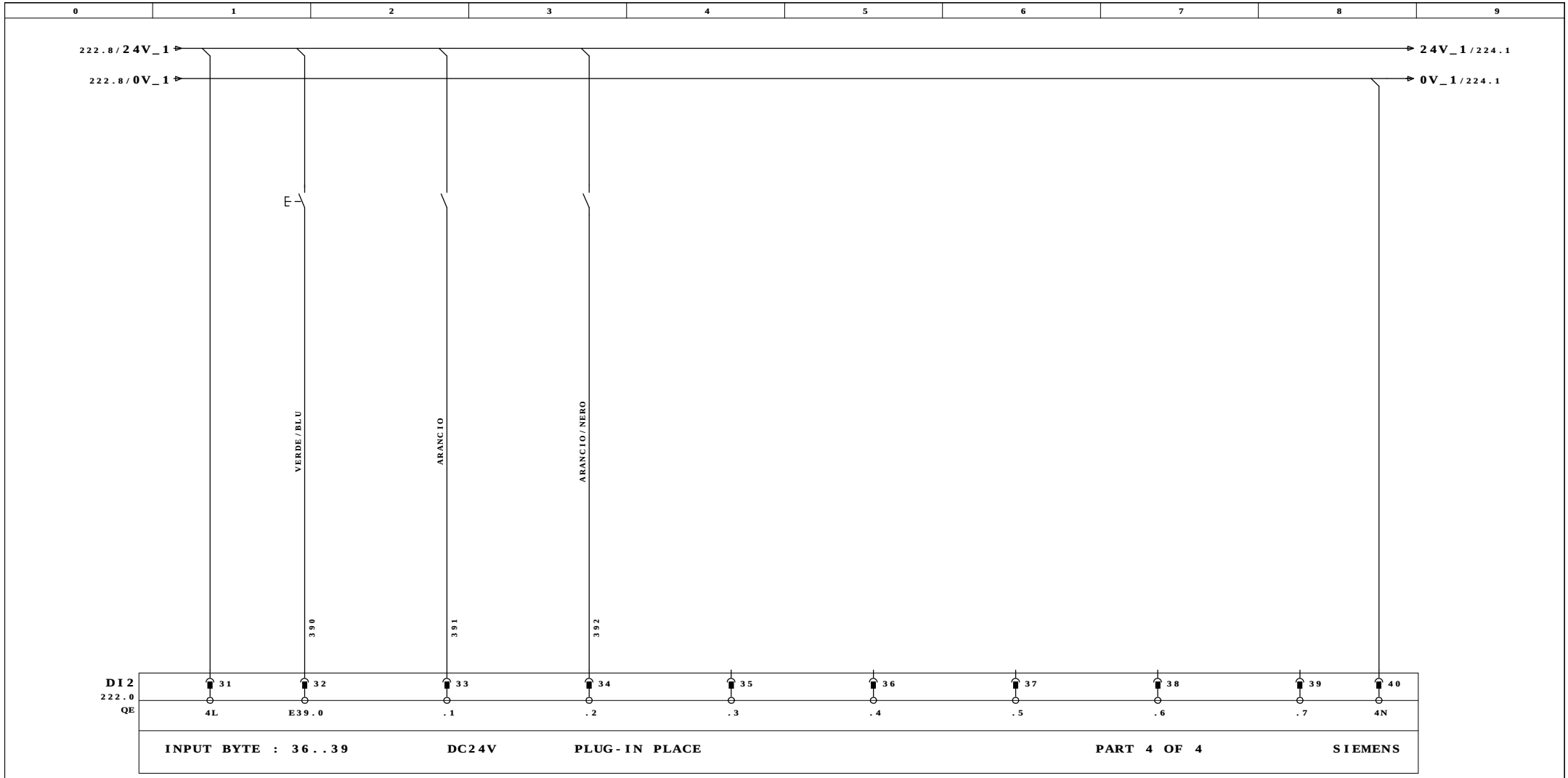


			Data		2010/7693	REM s.r.l.	IB36	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 220
Modifiche	Data	Nome	Norm.						266

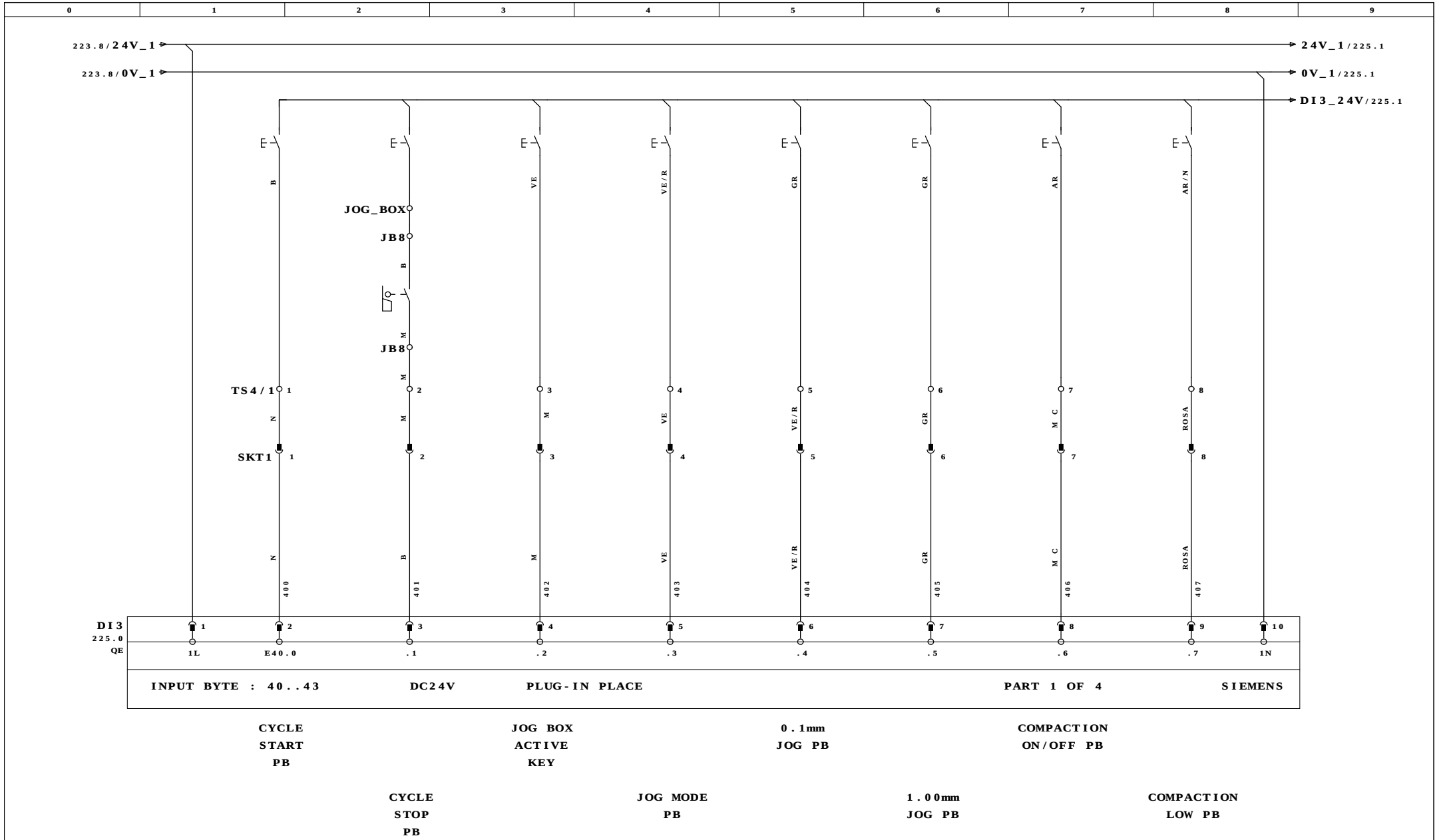


			Data		2010/7693	REM s.r.l.	IB37	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 221
Modifiche	Data	Nome	Norm.						266

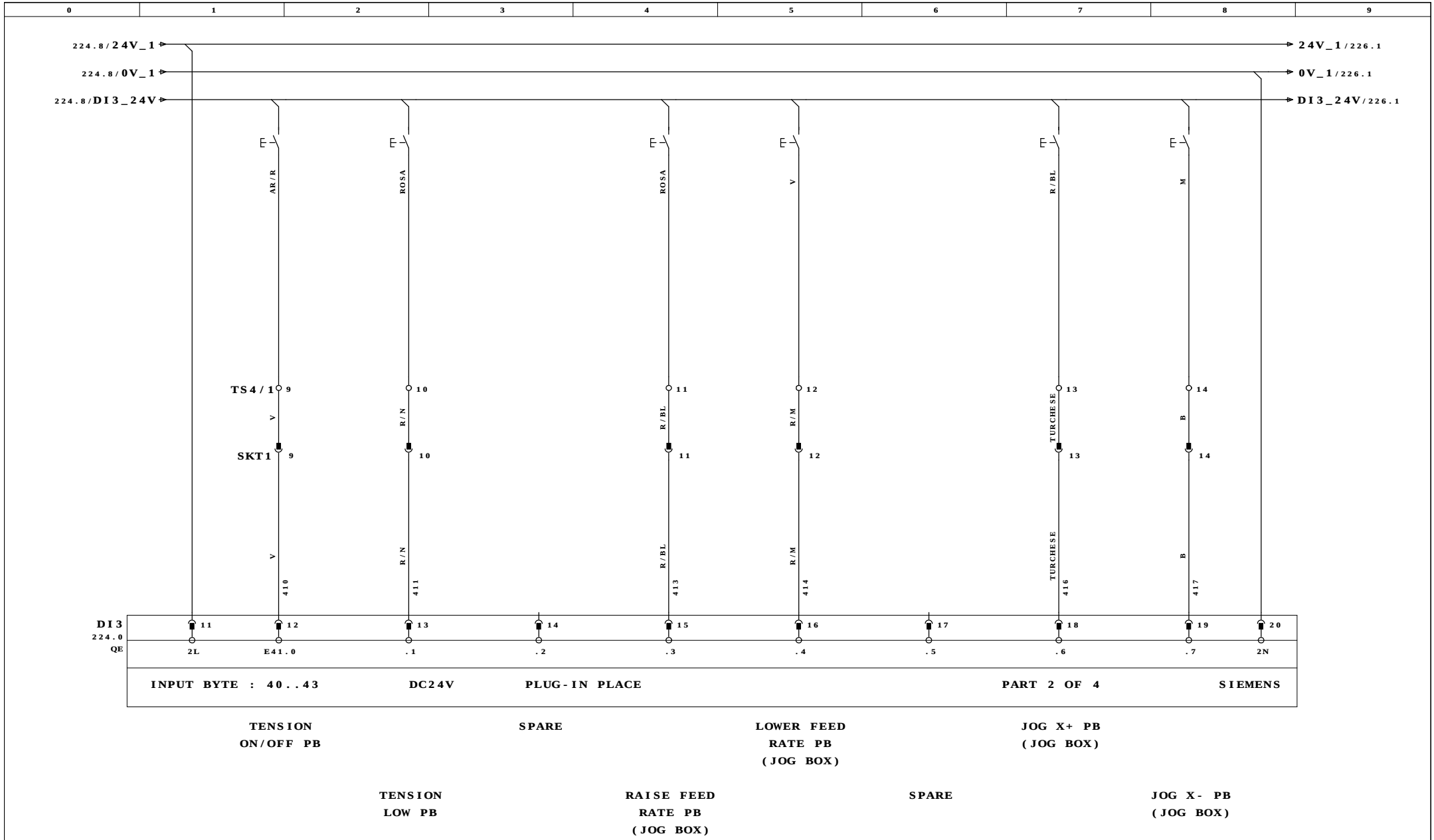

0 1 2 3 4 5 6 7 8 9
221.8/24V_1
221.8/0V_1
24V_1/223.1
0V_1/223.1
BLU
MARRONE
VERDE
VERDE/ROSSO
GRIGIO
GIALLO/NERO
380
381
382
383
384
385
DI2
221.0
QE
21 22 23 24 25 26 27 28 29 30
3L E38.0 .1 .2 .3 .4 .5 .6 .7 3N
INPUT BYTE : 36..39
DC24V
PLUG-IN PLACE
PART 3 OF 4
SIEMENS
SPARE PB2
(M code)
SPARE PB4
(M code)
SPARE PB6
SPARE
SPARE PB1
(M code)
SPARE PB3
(M code)
SPARE PB5
(M code)
SPARE



			Data		2010/7693	REM s.r.l.	IB39	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 223
Modifiche	Data	Nome	Norm.						266

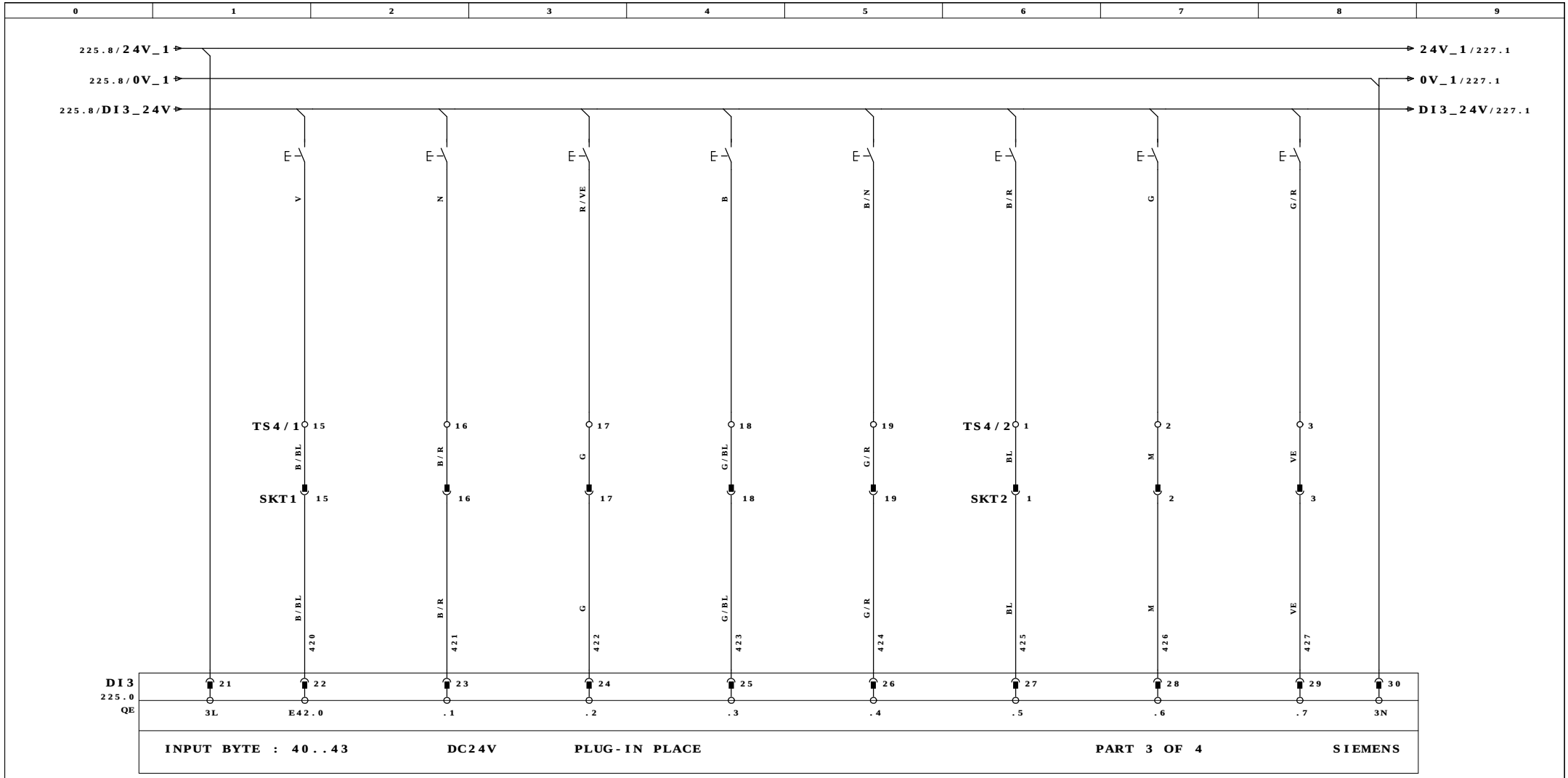


			Data		2010/7693	REM s.r.l.	IB40	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 224
Modifiche	Data	Nome	Norm.						266



224 226

			Data		2010/7693	REM s.r.l.	IB41	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 225
Modifiche	Data	Nome	Norm.						266



JOG Y- PB (JOG BOX)

JOG B- PB (JOG BOX)

JOG A- PB (JOG BOX)

JOG C- PB (JOG BOX)

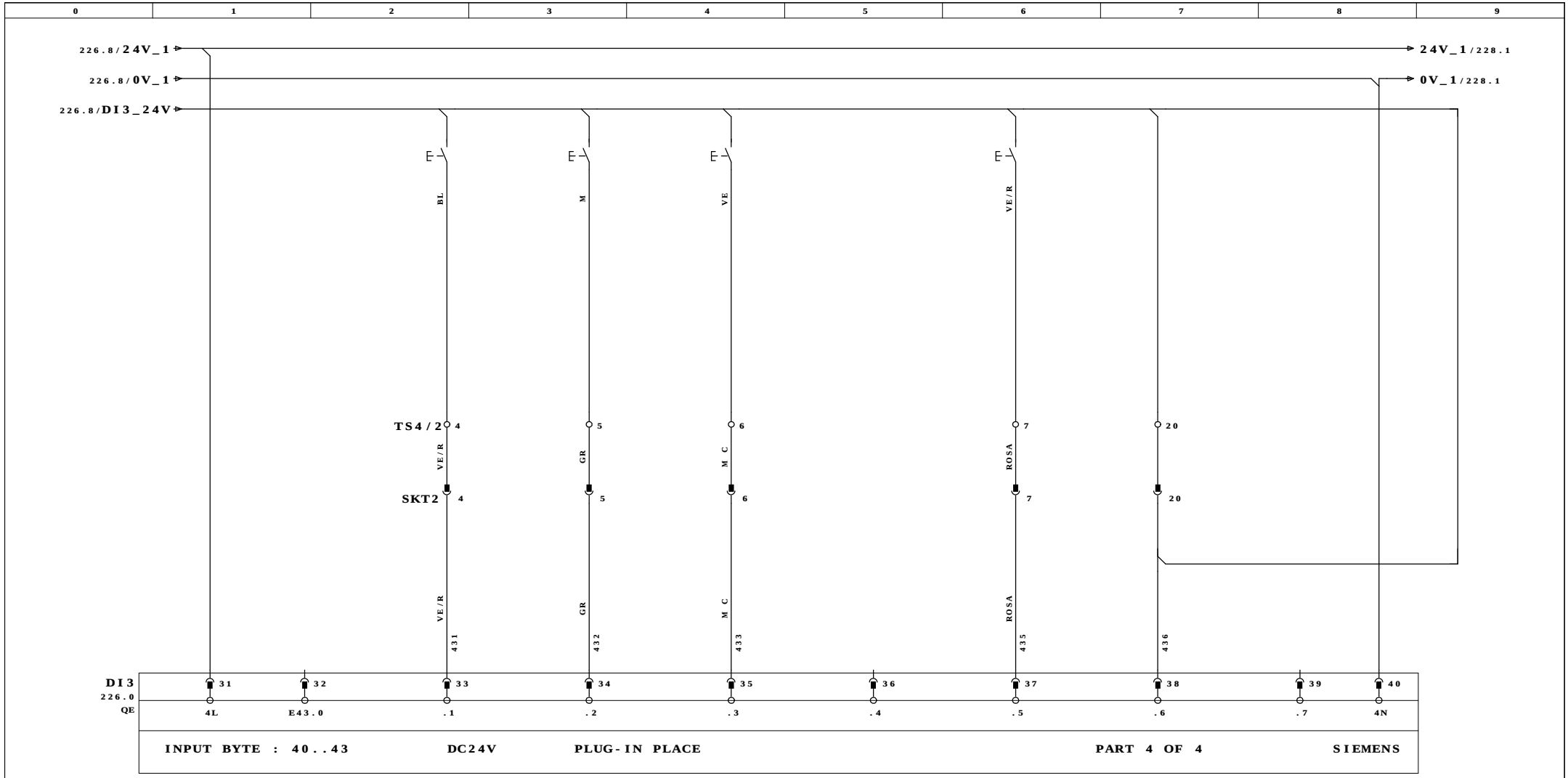
JOG Y+ PB (JOG BOX)

JOG B+ PB (JOG BOX)

JOG A+ PB (JOG BOX)

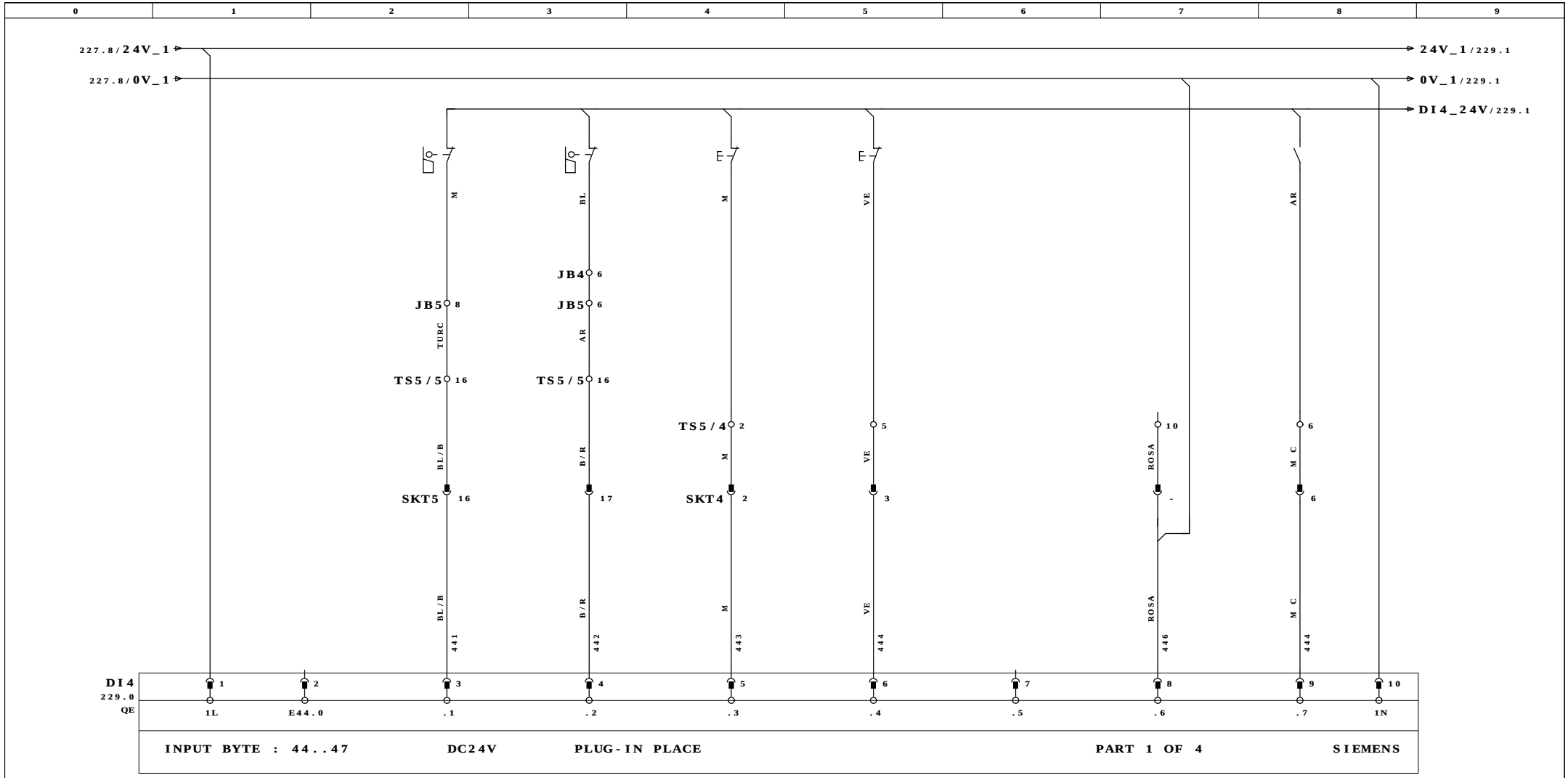
JOG C+ PB (JOG BOX)

			Data		2010/7693	REM s.r.l.	IB42	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 226
Modifiche	Data	Nome	Norm.						266



			Data		2010/7693	REM s.r.l.	IB43	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC	Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

=
+



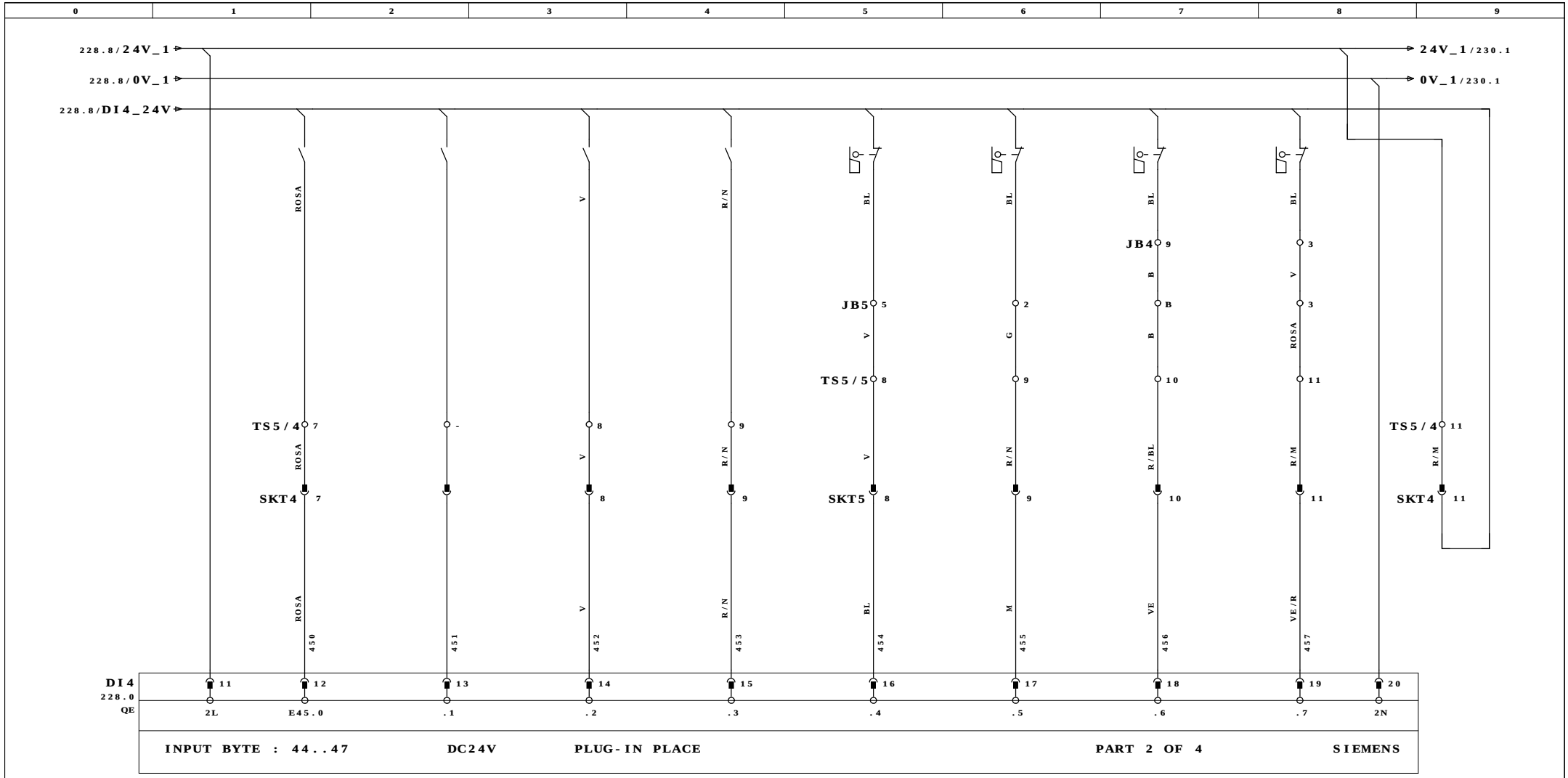
227

229

			Data		2010/7693	REM s.r.l.	IB44	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC	Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

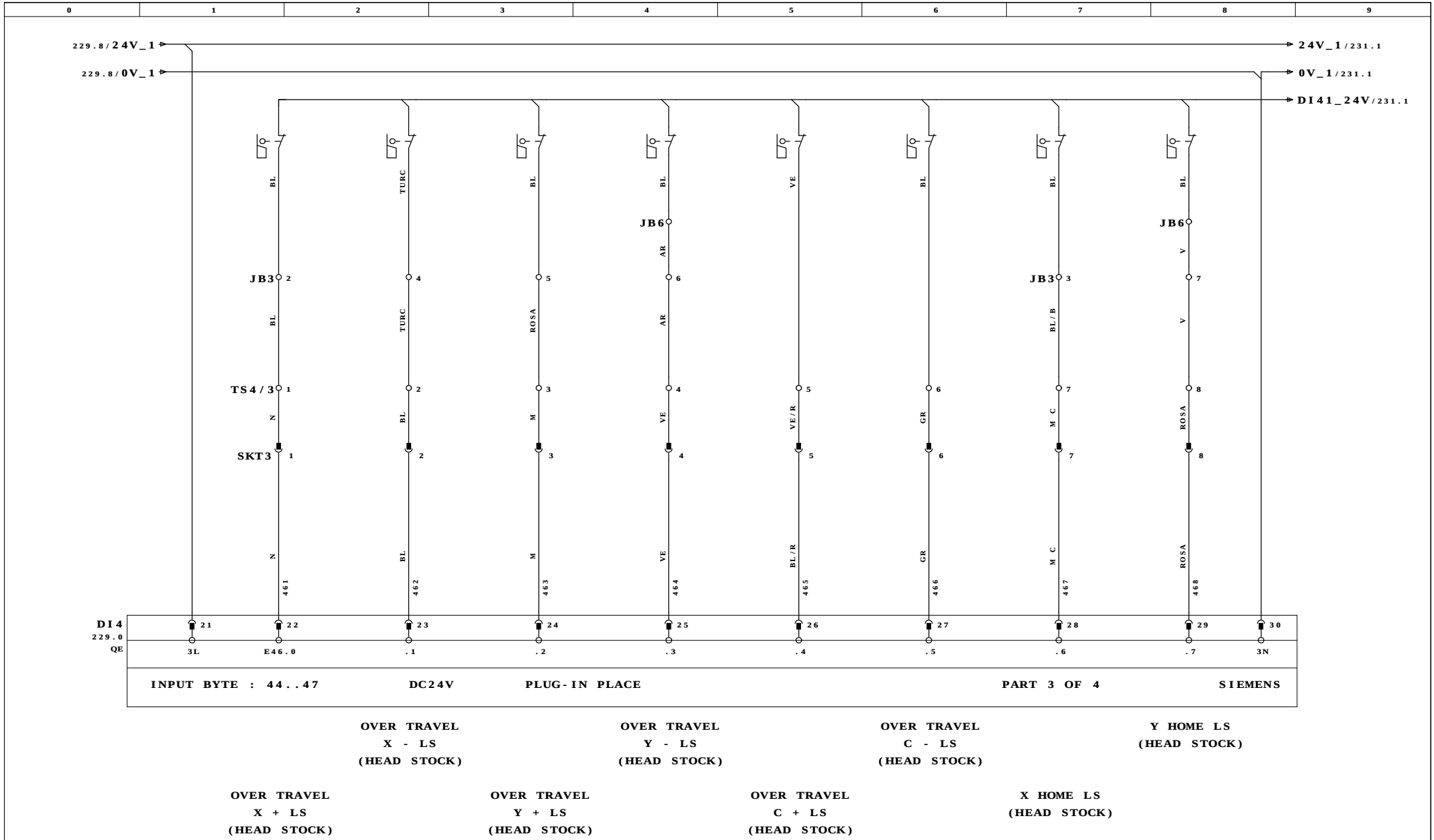
=
+

Pag 228
266



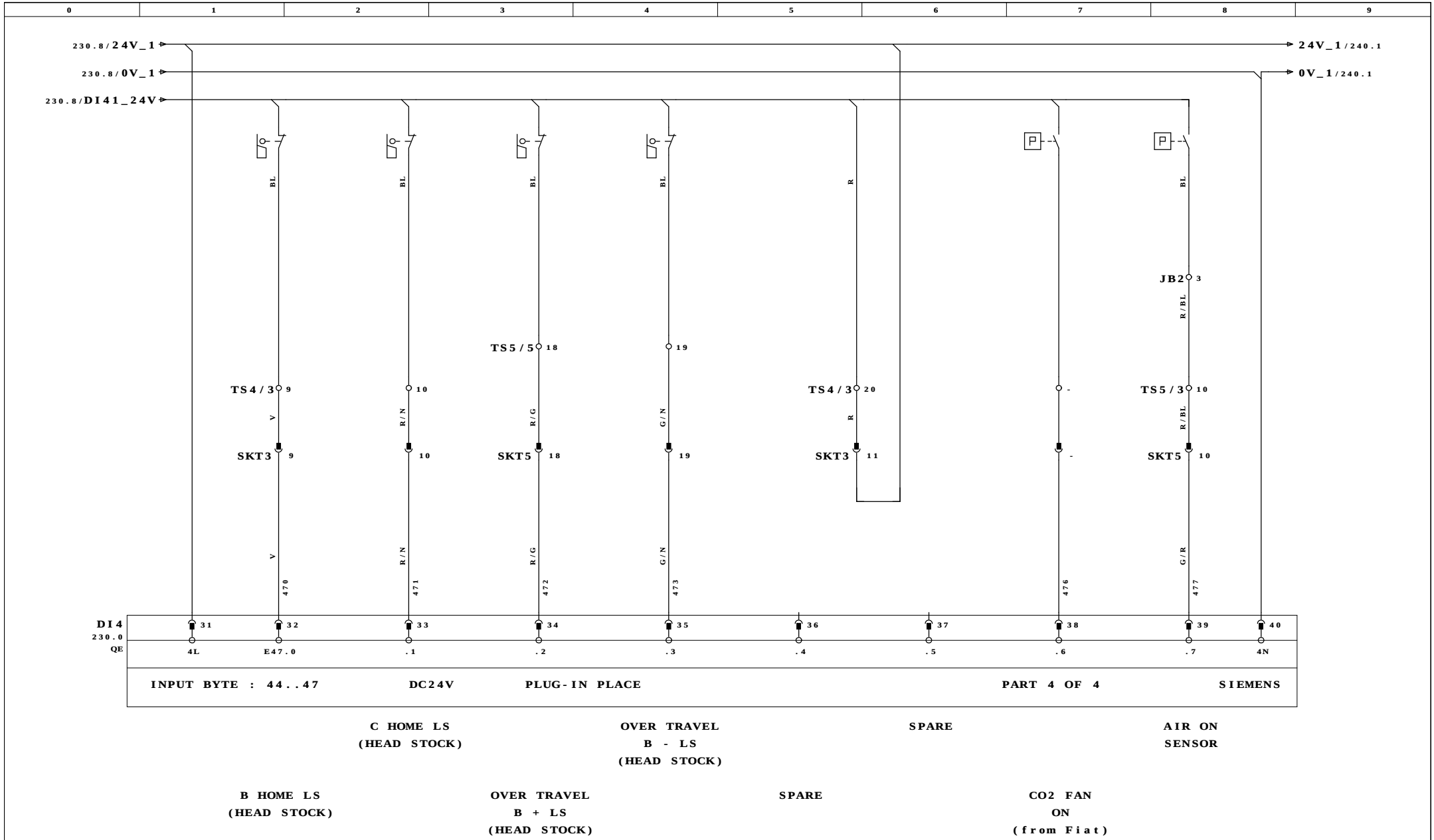
228 230

			Data		2010/7693	REM s.r.l.	IB45	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 229
Modifiche	Data	Nome	Norm.						266

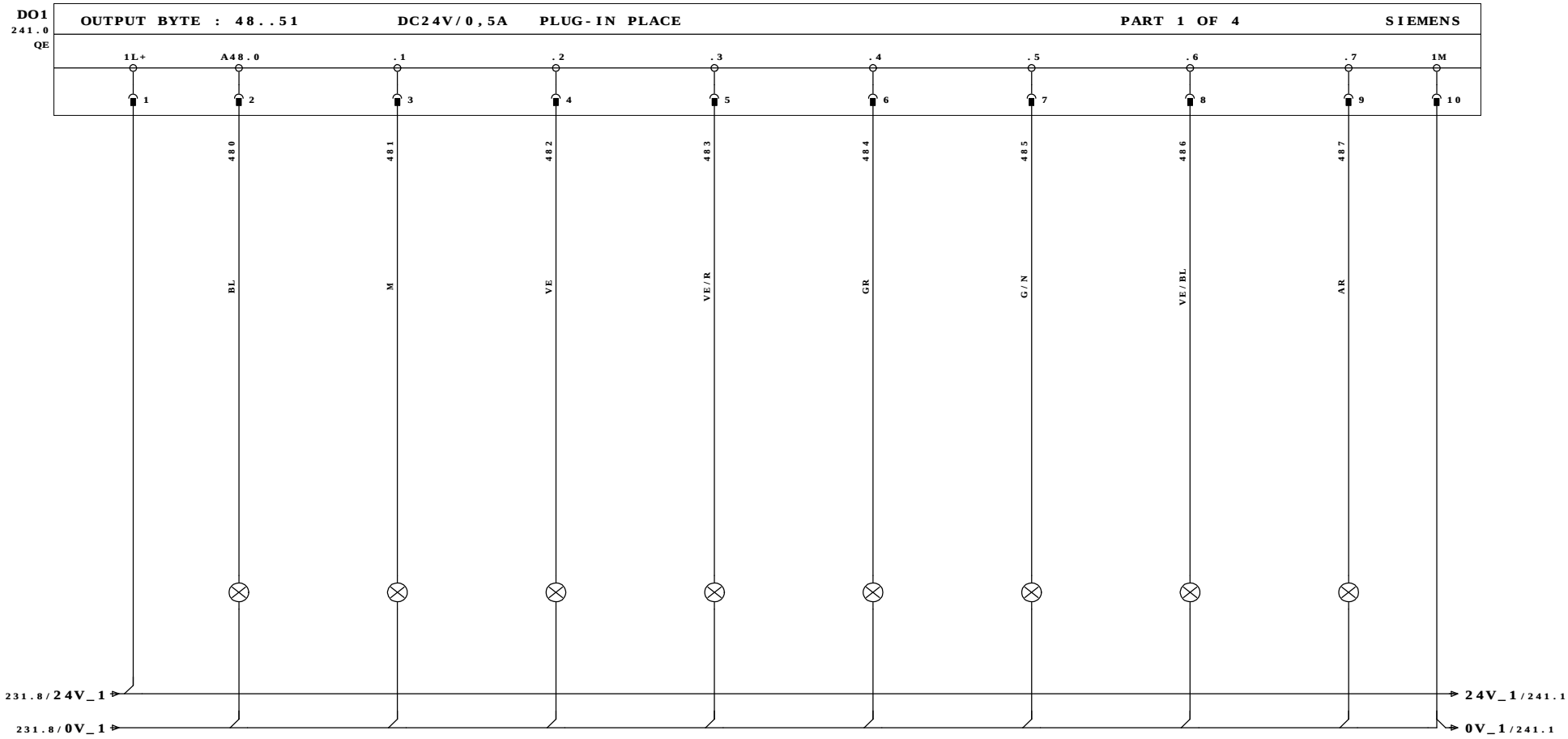


			Data		2010/7693	REM s.r.l.	IB46	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC	Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

=
+



			Data		2010/7693	REM s.r.l.	IB47	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		IB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 231
Modifiche	Data	Nome	Norm.						266



CYCLE START LED

AUTO LED

REFERANCE LED

0.10mm LED

CYCLE STOP LED

JOG LED

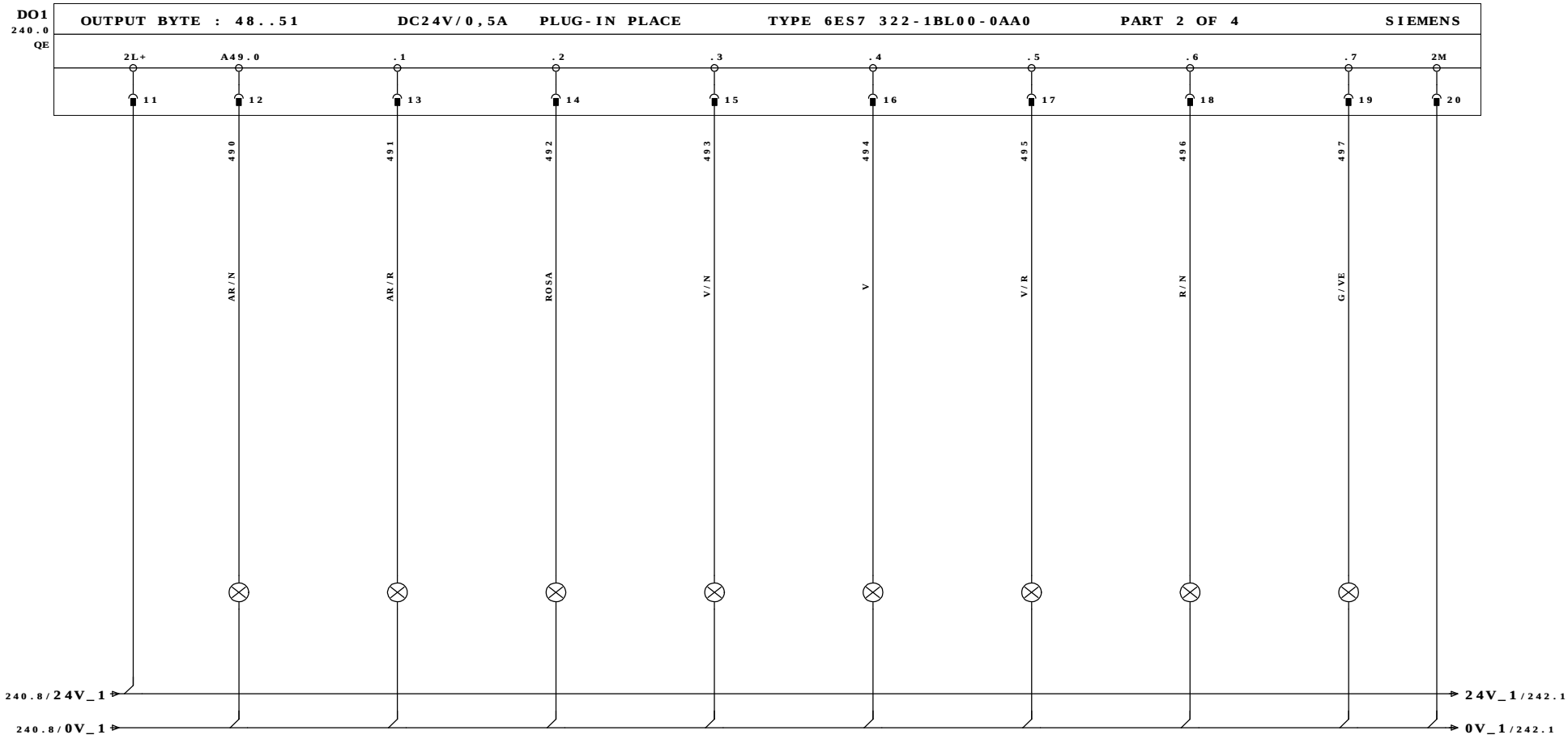
0.01mm LED

1.00mm LED

231

241

			Data		2010/7693	REM s.r.l.	OB48	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 240
Modifiche	Data	Nome	Norm.						266



10.0mm
LED

OPTIONAL
STOP
ON LED

MDI
LED

RUN
SPEED
LED

OPTIONAL
BLOCK
ON LED

SINGLE
BLOCK
LED

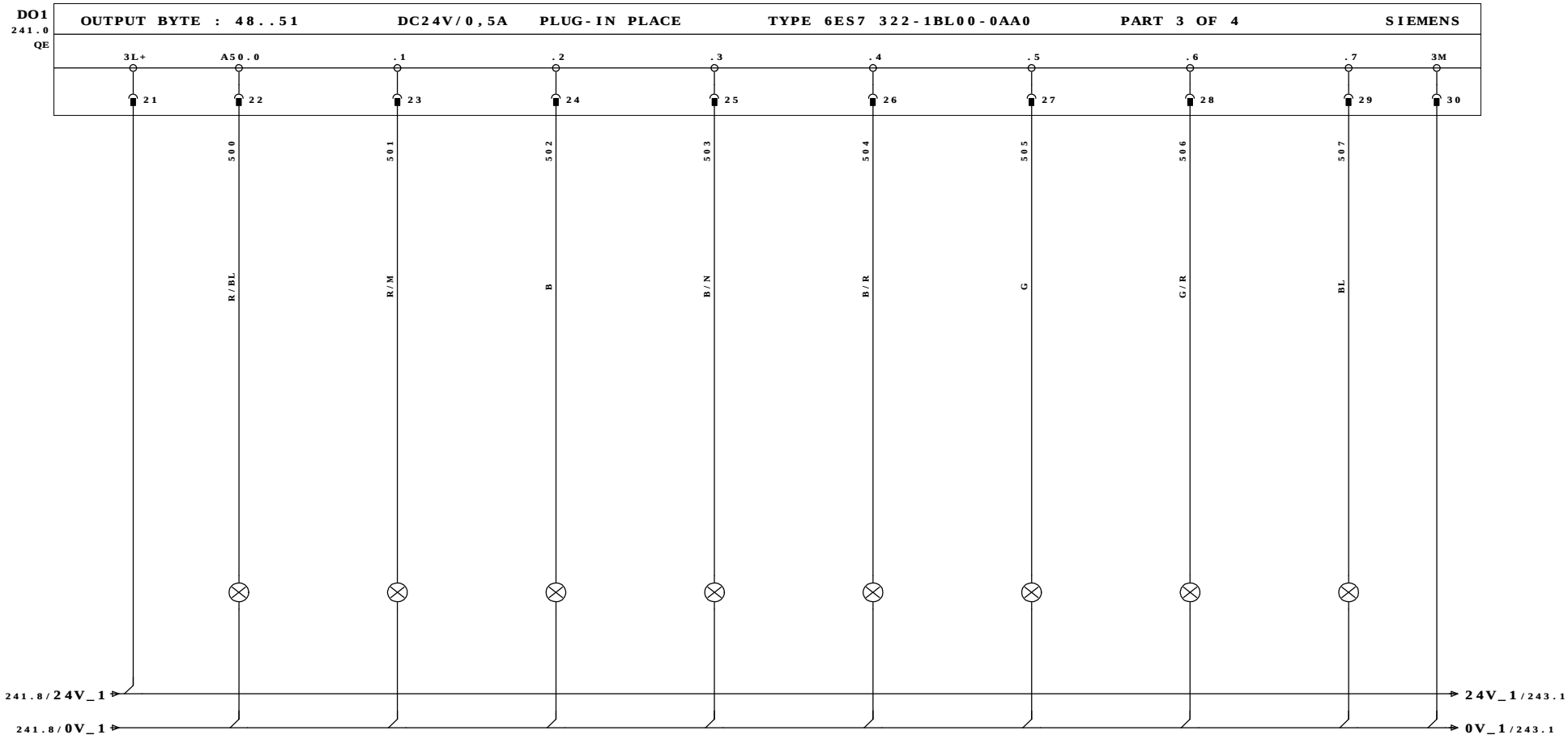
LOW
SPEED
LED

CO2
EXTRACTOR
FAN ON LED

240

242

			Data		2010/7693	REM s.r.l.	OB49	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 241
Modifiche	Data	Nome	Norm.						266



A+ CONTINUOUS LED

Y HOME LED

C HOME LED

COMPACTION LOW LED

X HOME LED

B HOME LED

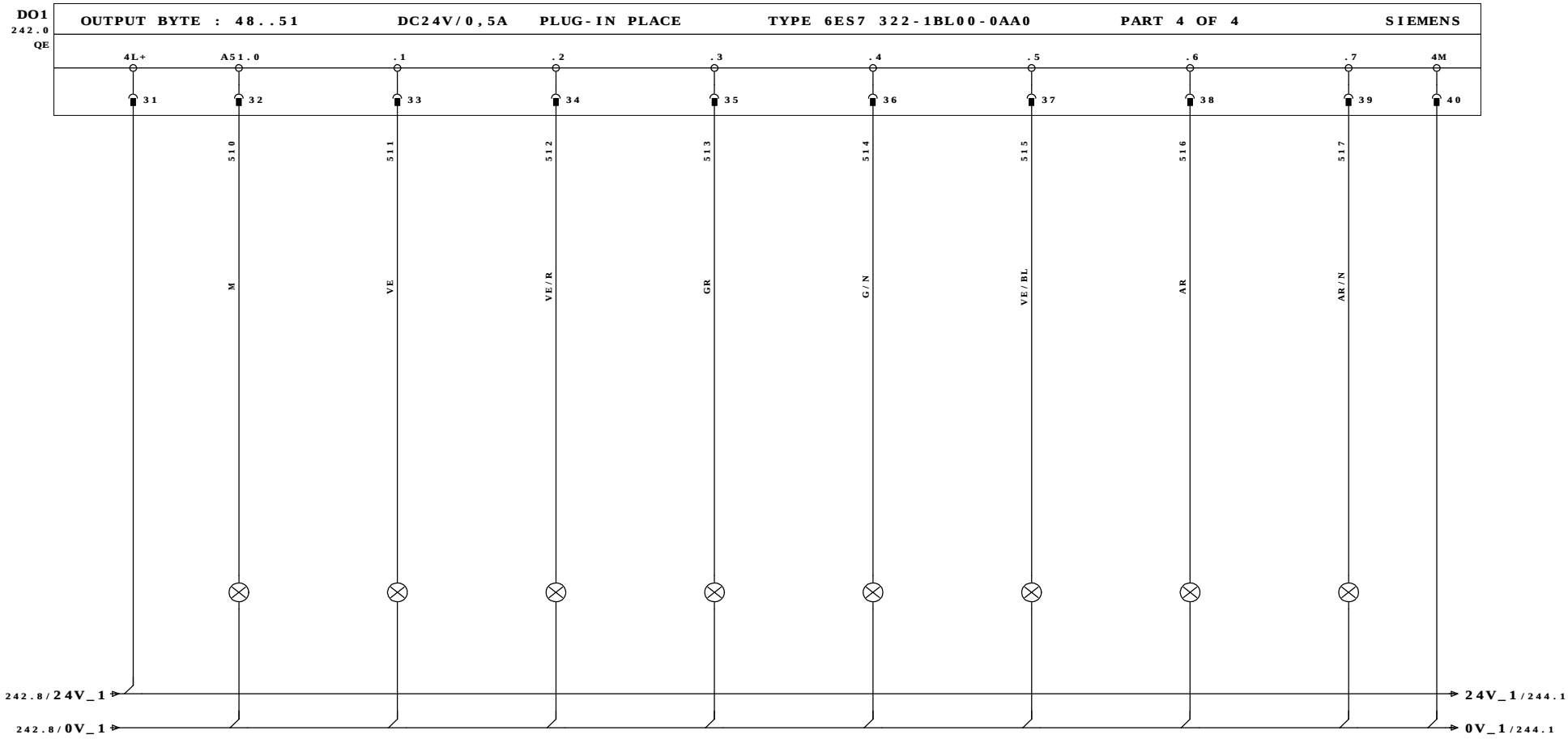
COMPACTION ON LED

TENSION ON LED

241

243

			Data		2010/7693	REM s.r.l.	OB50	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 242
Modifiche	Data	Nome	Norm.						266



TENSION LOW LED

OPER PANEL/STOP CIR/OK LED

E-STOP OK LED

REMOTE PAN ACTIVE LED

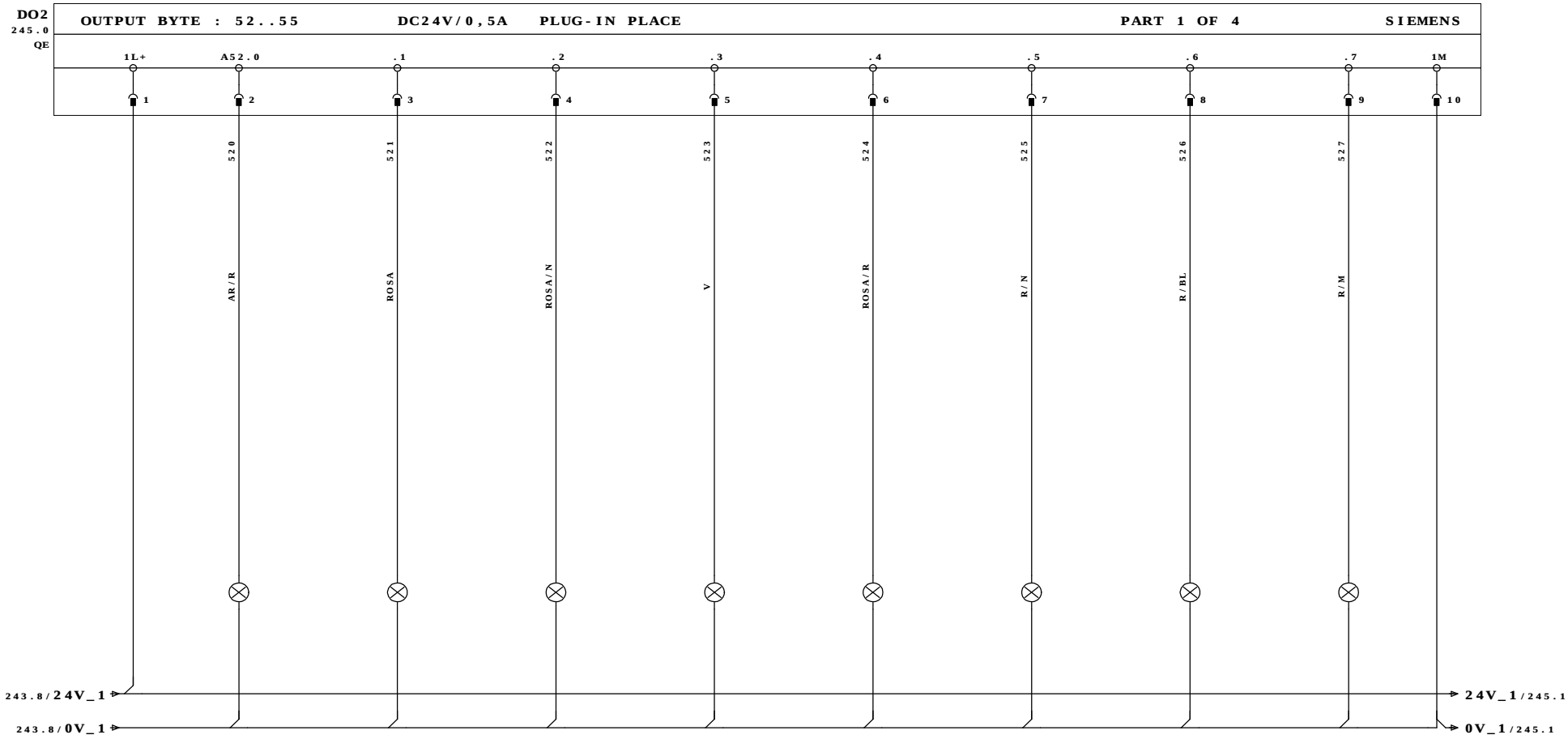
SERVO ON LED

J/BOX STOP CIR/OKV LED

OPER PANEL ACTIVE LED

NEW TAPE LED (PANEL)

			Data		2010/7693	REM s.r.l.	OB51	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 243
Modifiche	Data	Nome	Norm.						266



HEAT SOURCE
ON LED

SPARE PB
1 LED

SPARE PB
3 LED

SPARE PB
5 LED

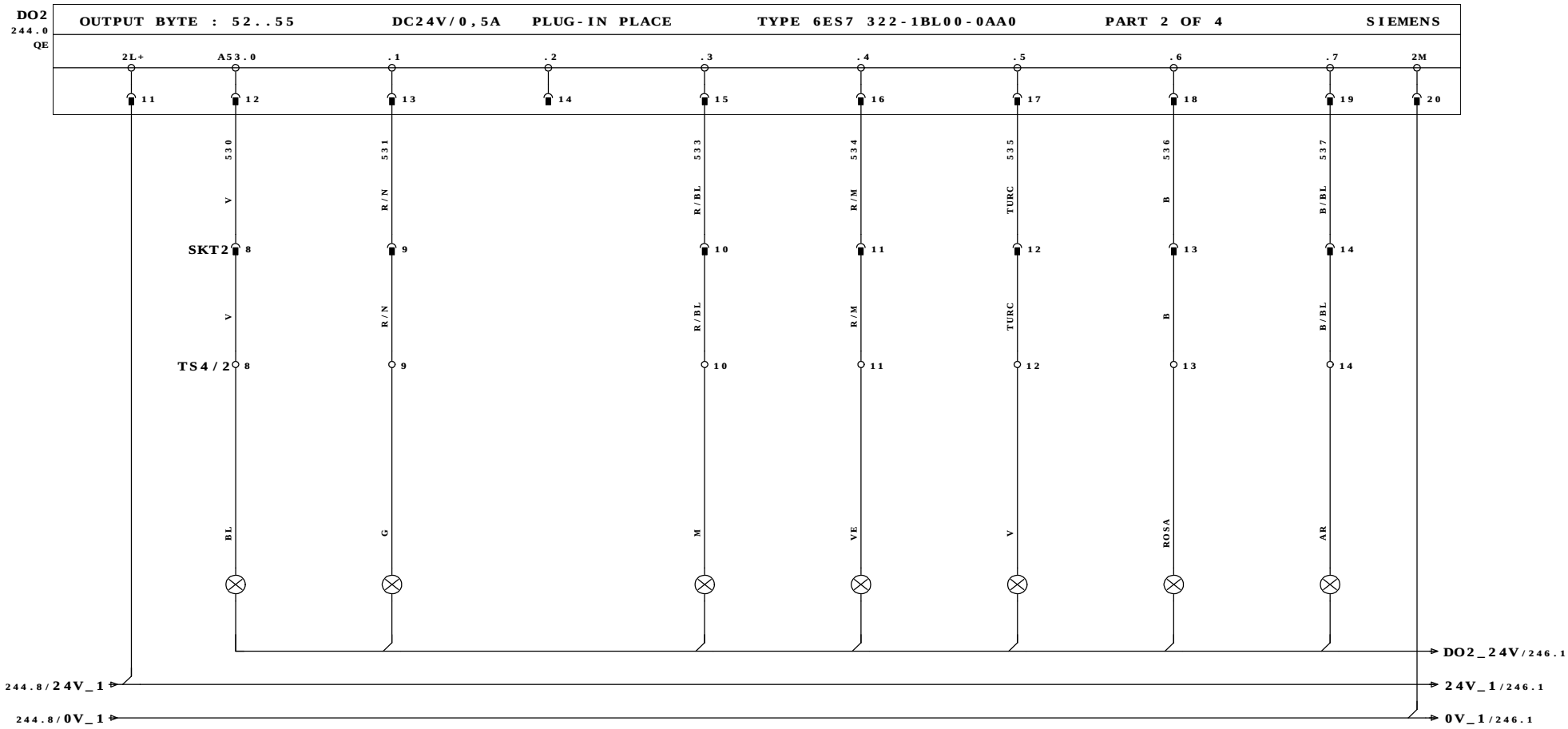
COOL SOURCE
ON LED

SPARE PB
2 LED

SPARE PB
4 LED

SPARE PB
6 LED

			Data		2010/7693	REM s.r.l.	OB52	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 244
Modifiche	Data	Nome	Norm.						266



CYCLE START LED

SPARE

1.00mm JOG LAMP

COMPACT ON LED

CYCLE STOP LED

JOG MODE LAMP

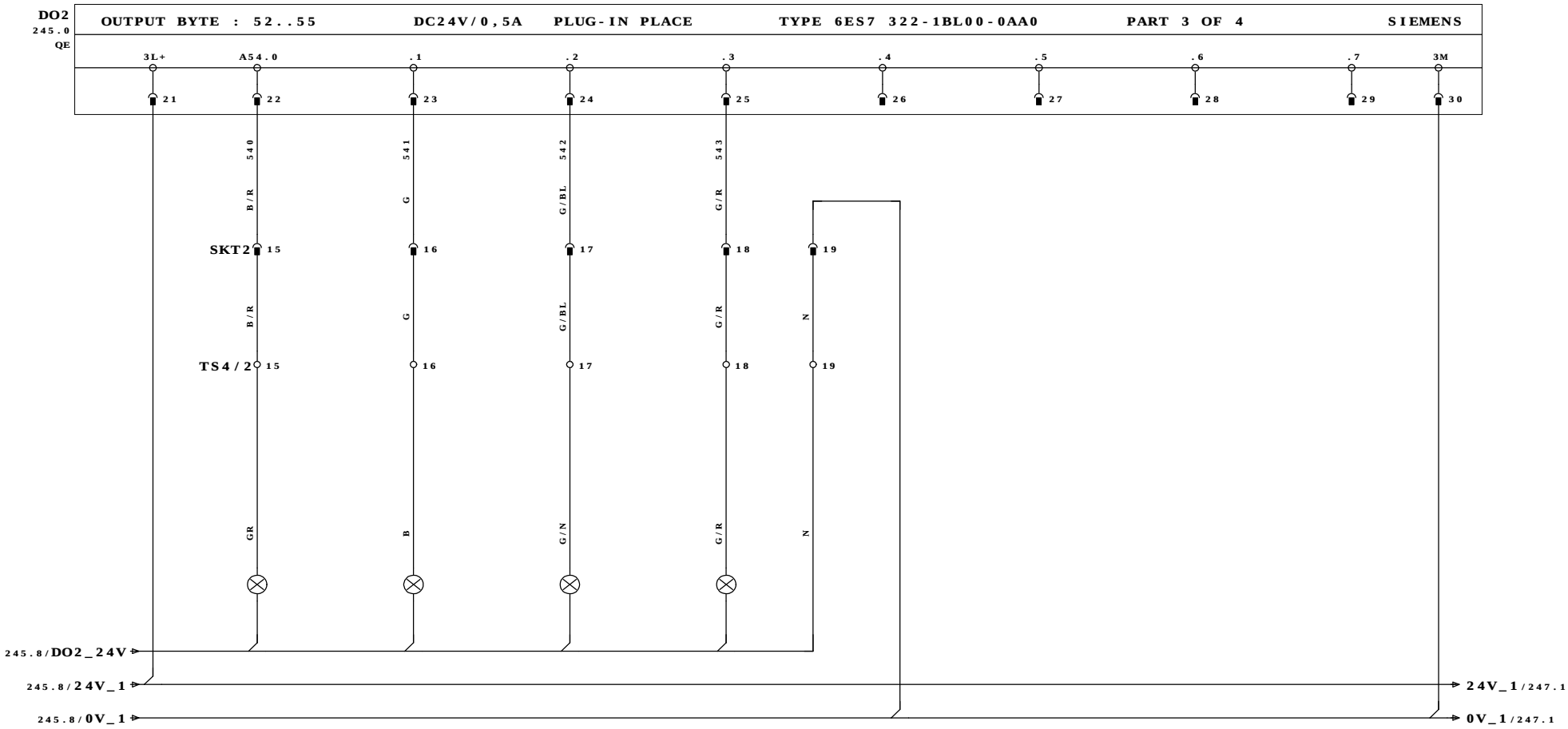
0.1mm JOG LAMP

COMPACT LOW LAMP

244

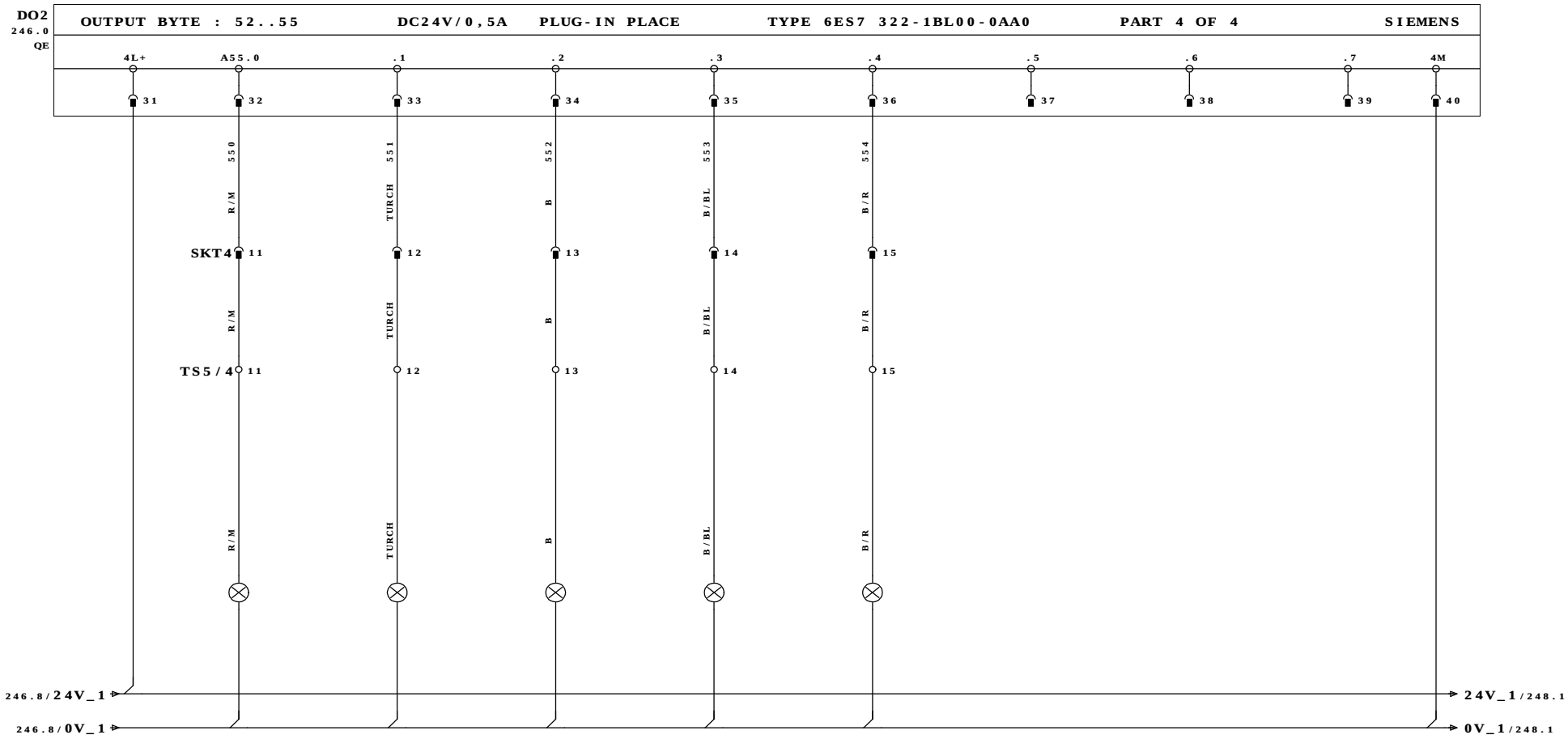
246

			Data		2010/7693	REM s.r.l.	OB53	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 245
Modifiche	Data	Nome	Norm.						266



TENSION ON LAMP	HEAT SOURCE ON LAMP	SPARE	SPARE
TENSION LOW LAMP	COOL SOURCE ON LAMP	SPARE	SPARE

			Data		2010/7693	REM s.r.l.	OB54	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 246
Modifiche	Data	Nome	Norm.						266



CYCLE START LAMP

UPPER CLAMP ON LAMP

TAPE SET LAMP

SPARE

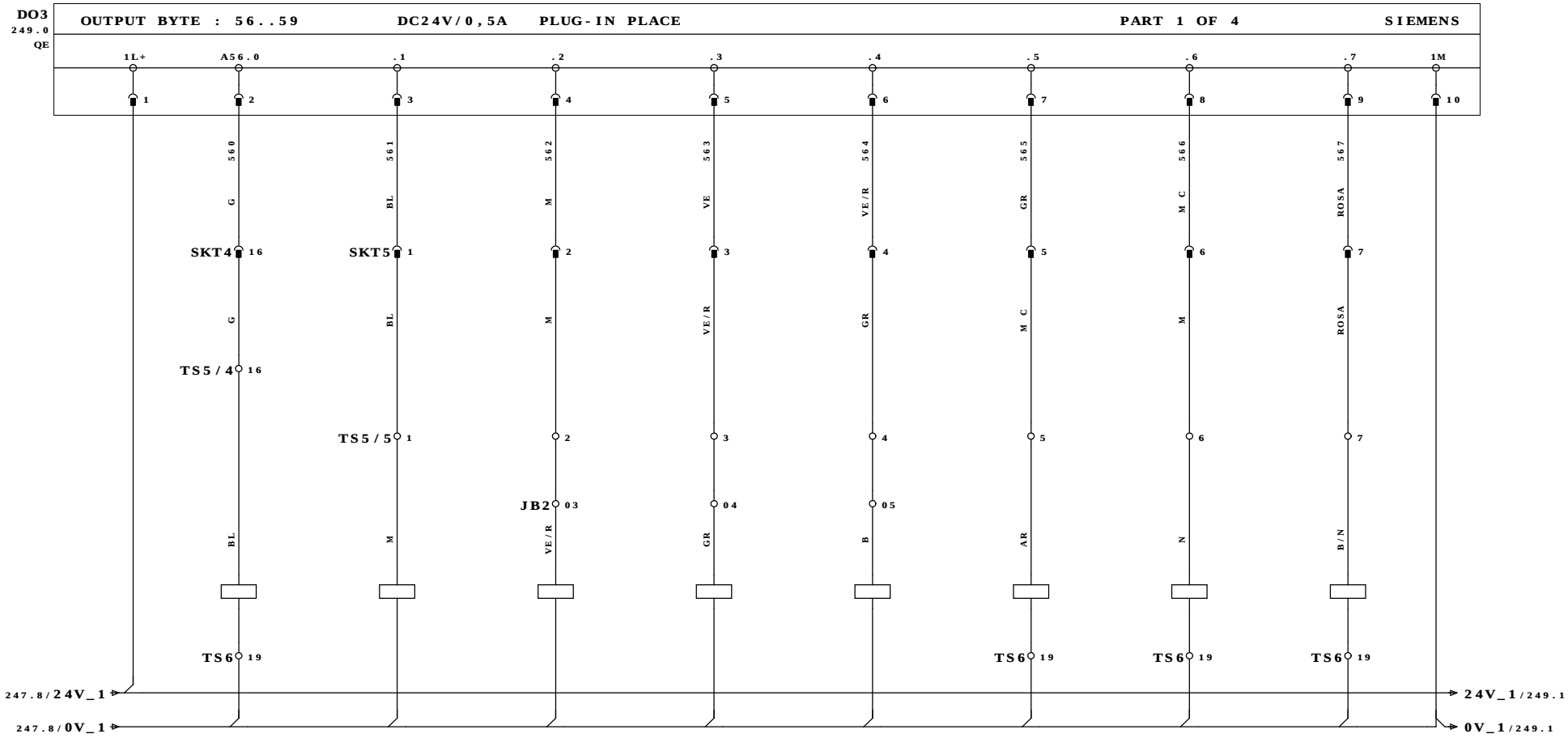
CYCLE STOP LAMP

LOWER CLAMP ON LAMP

SPARE

SPARE

			Data		2010/7693	REM s.r.l.	OB55	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 247
Modifiche	Data	Nome	Norm.						266



STITCHING M/C
ON SOL
(ON SW)

STITCHING
TOP
CLAMP
ON SOL

TENSION SYSTEM
ON OUTPUT

COOL SOURCE
ON SOL

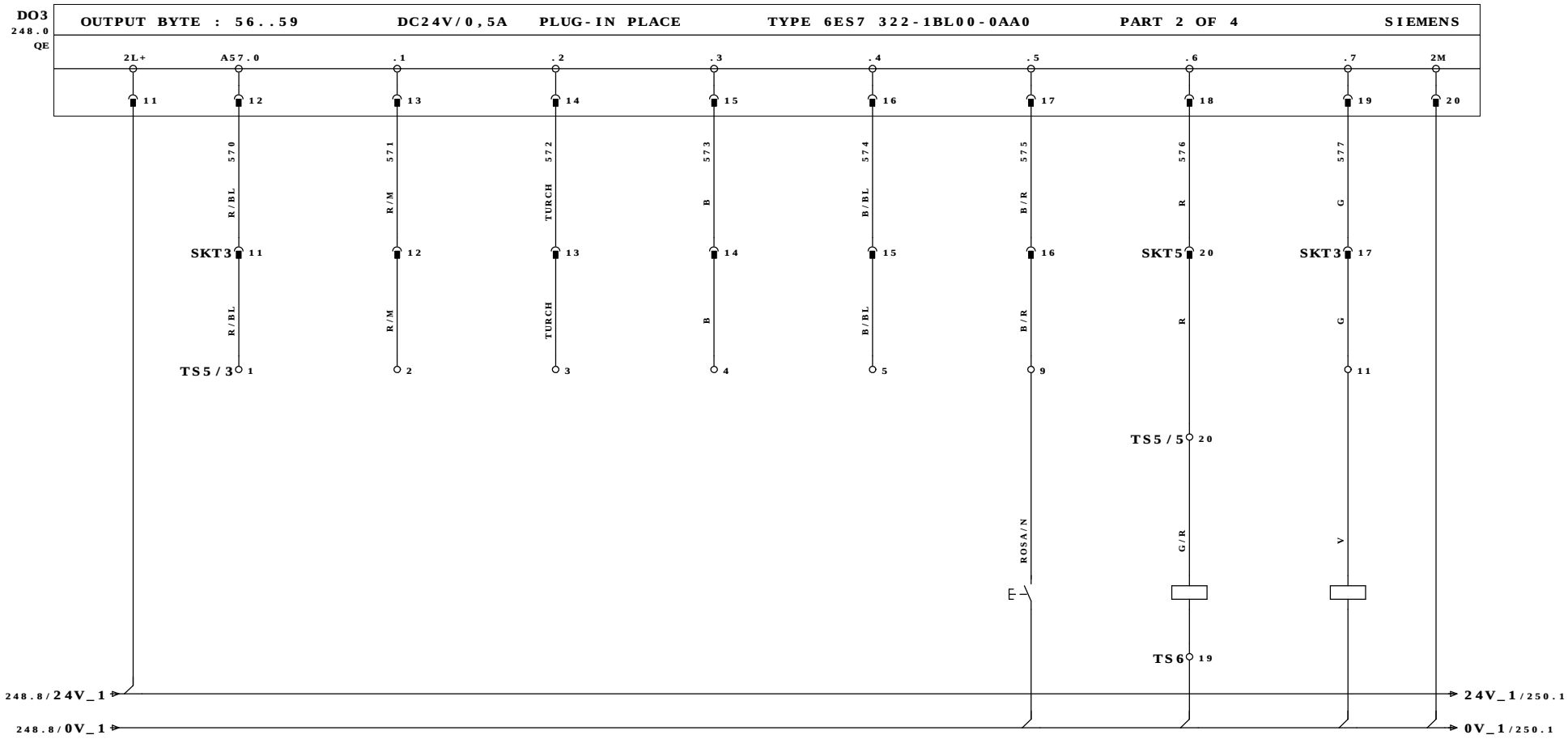
STITCHING
FRONT CLAMP
ON SOL

STITCHING
BOTTOM LAMP
ON SOL

HEAT SOURCE
ON RELAY

COMPACTION
HEAD OUTPUT

			Data		2010/7693	REM s.r.l.	OB56	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 248
Modifiche	Data	Nome	Norm.						266



SPARE PB1 O/P
(M code)

SPARE PB3 O/P
(M code)

SPARE PB5 O/P
(M code)

HOT AIR
DEFLECTOR
SOL ON

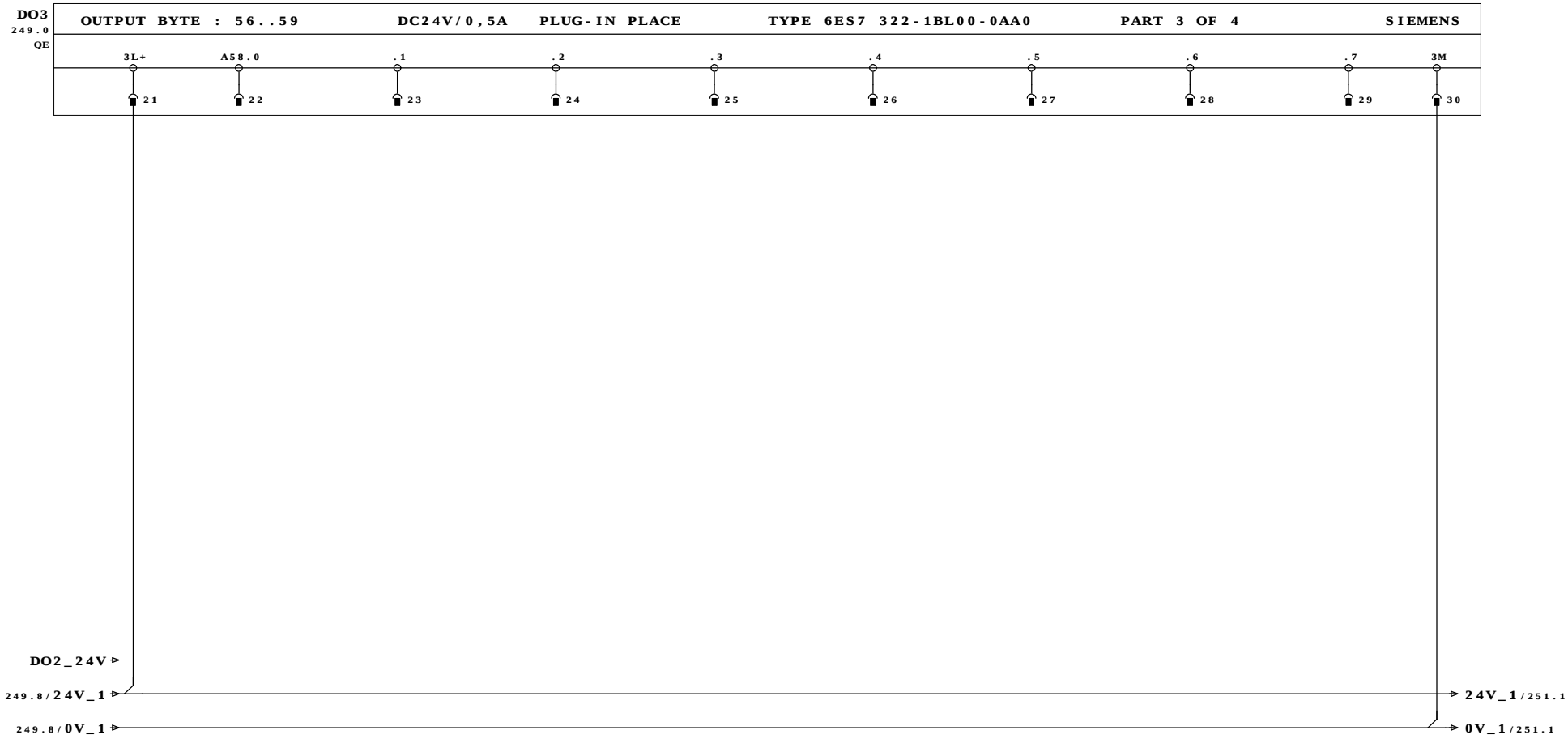
SPARE PB2 O/P
(M code)

SPARE PB4 O/P
(M code)

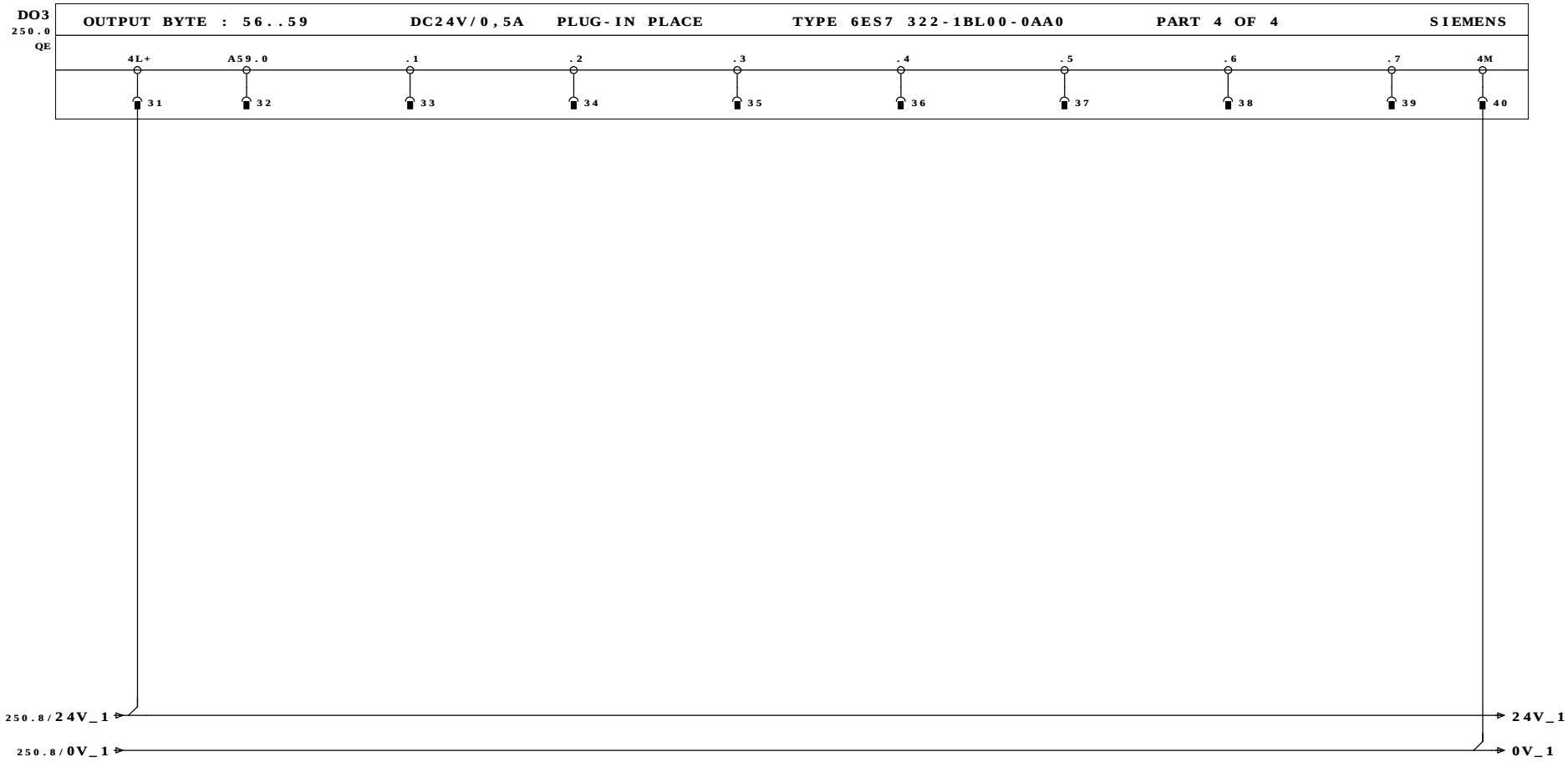
SPARE PB6 O/P

EXTERNAL
WARNING
RELAY

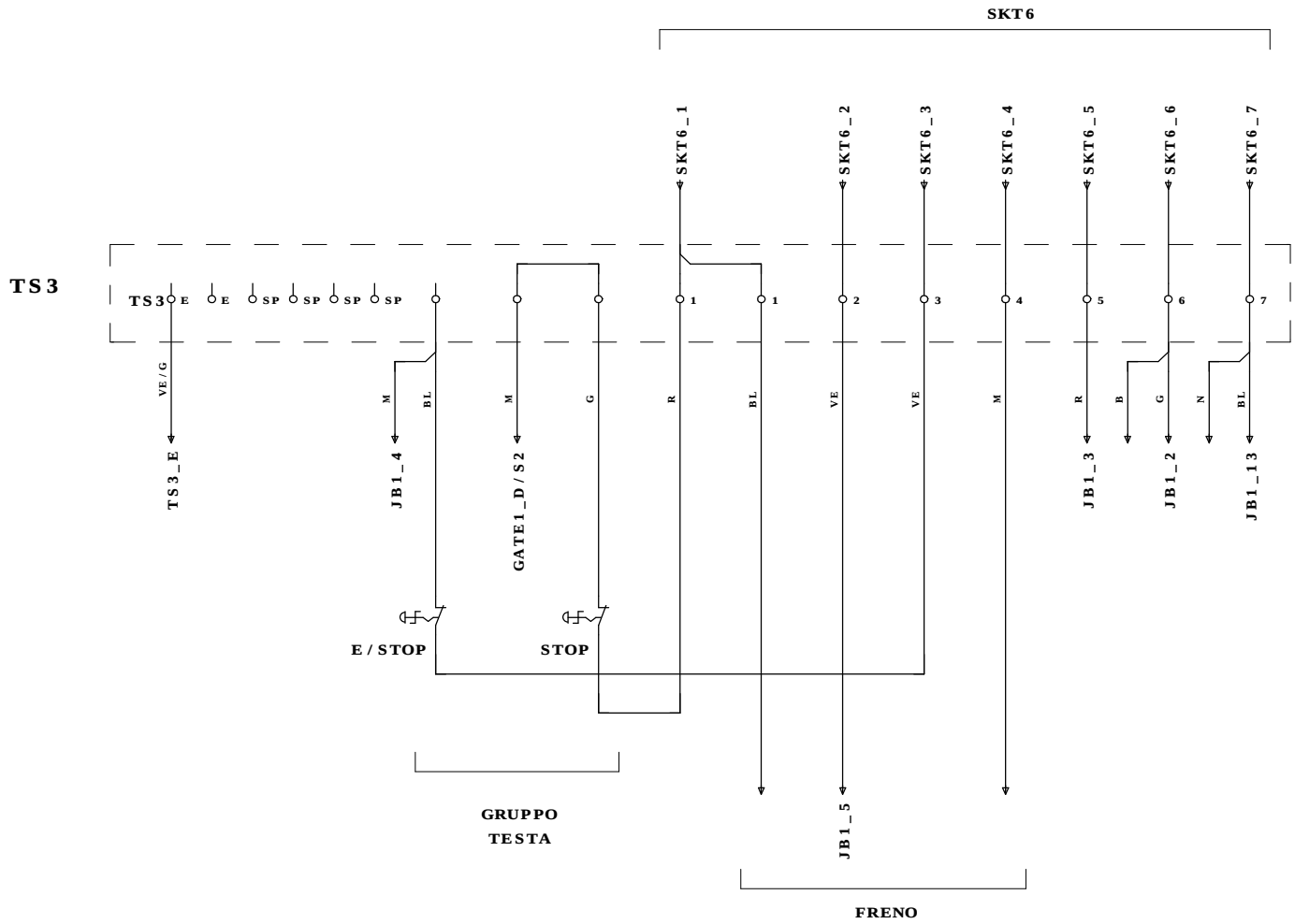
			Data		2010/7693	REM s.r.l.	OB57	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 249
Modifiche	Data	Nome	Norm.						266



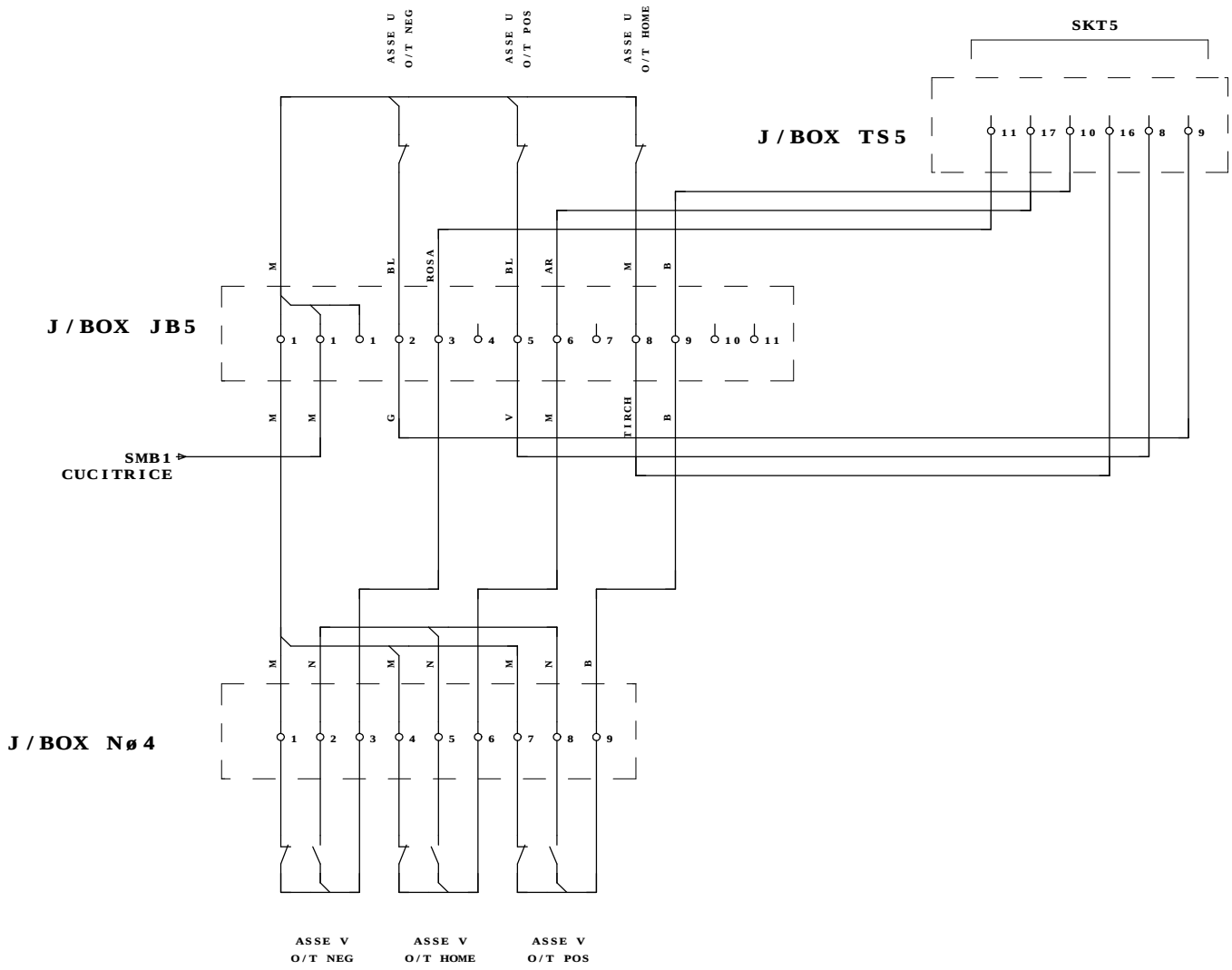
			Data		2010/7693	REM s.r.l.	OB58	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 250
Modifiche	Data	Nome	Norm.						266



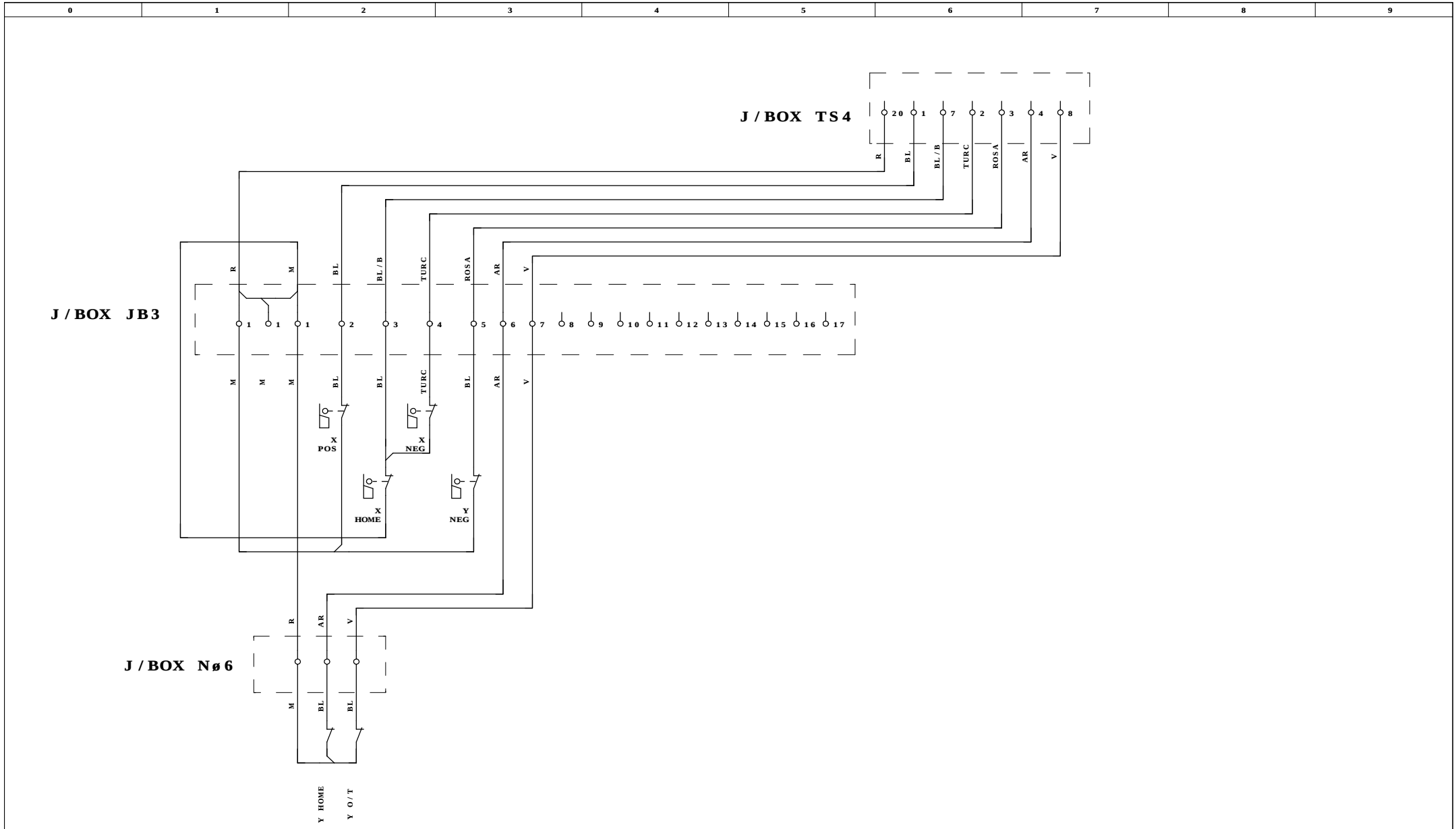
			Data		2010/7693	REM s.r.l.	OB59	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex		OB 32x24VDC		+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 251
Modifiche	Data	Nome	Norm.						266



			Data		2010/7693	REM s.r.l.	Morsettiera TS3	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 256
Modifiche	Data	Nome	Norm.						266



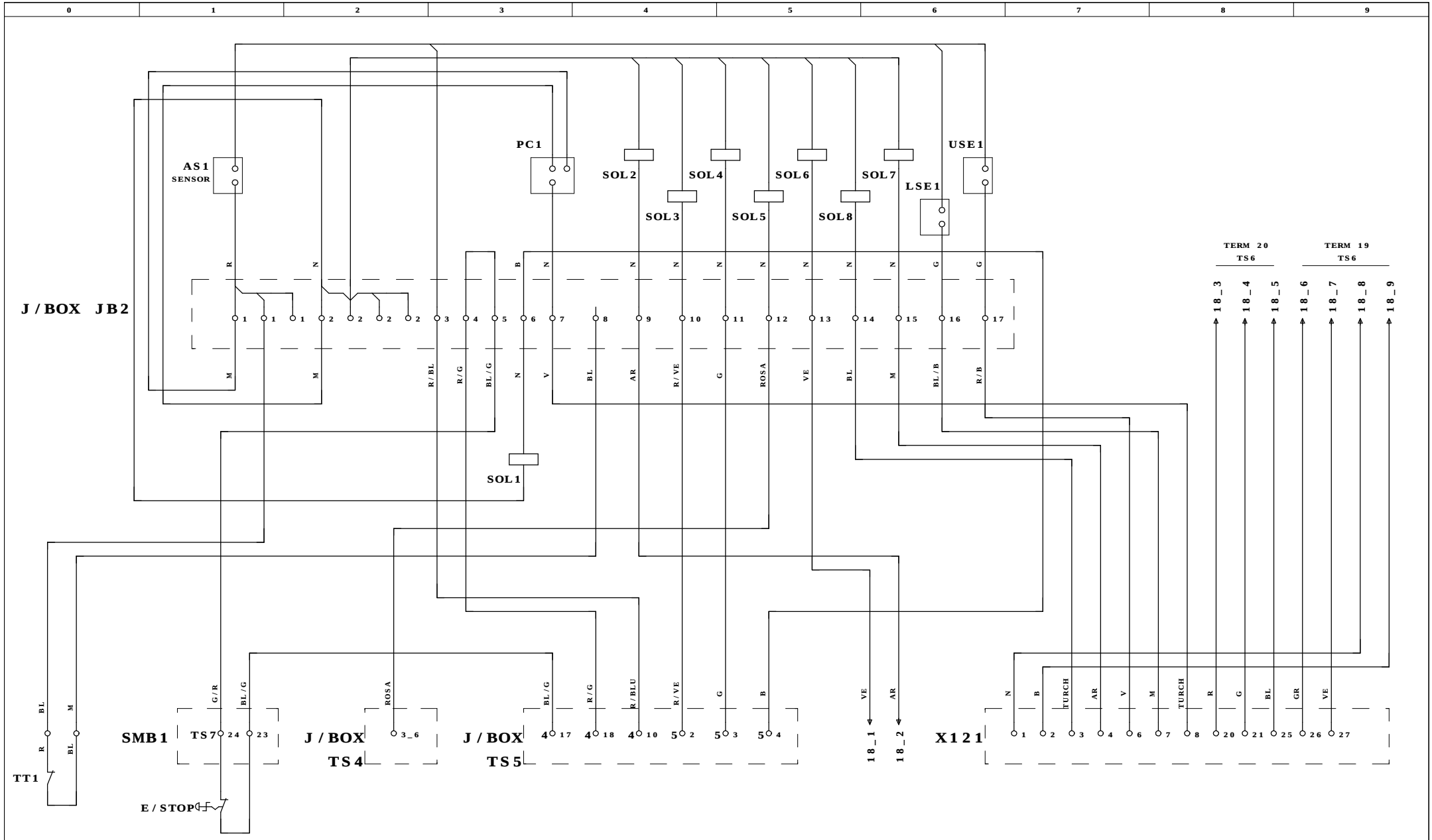
			Data		2010/7693	REM s.r.l.	Morsettiera JB5	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 257
Modifiche	Data	Nome	Norm.						266



257

259

			Data		2010/7693	REM s.r.l.	Morsettiera JB3	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 258
Modifiche	Data	Nome	Norm.						266



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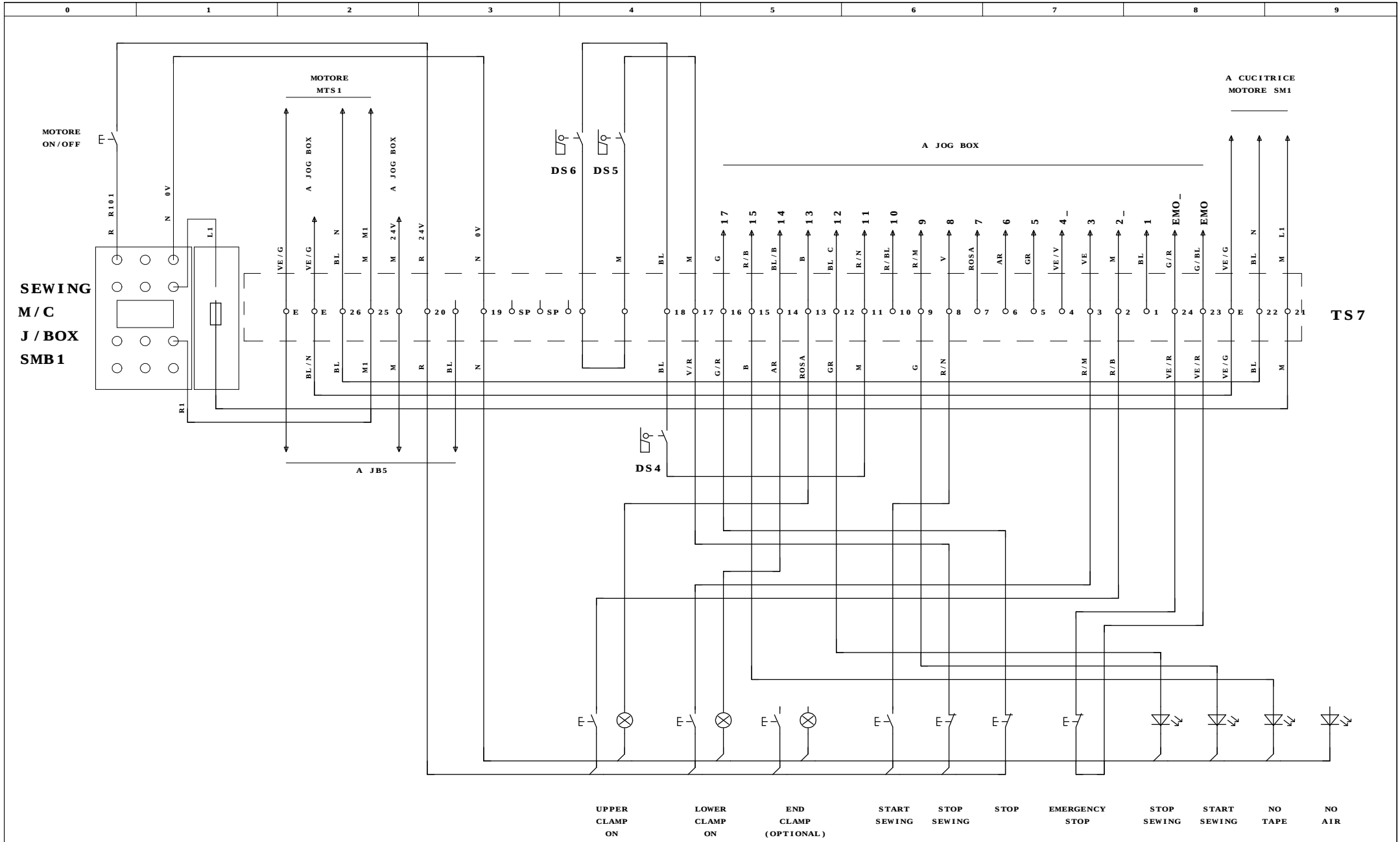
260

			Data		2010/7693	REM s.r.l.	Morsettiera JB2	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 259
Modifiche	Data	Nome	Norm.						266



			Data		2010/7693	REM s.r.l.	Morsettiera TS7	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

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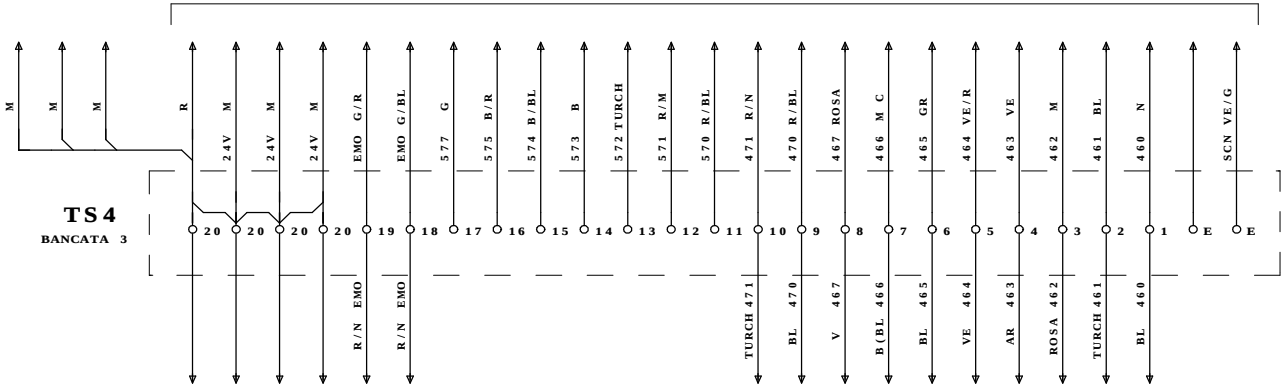
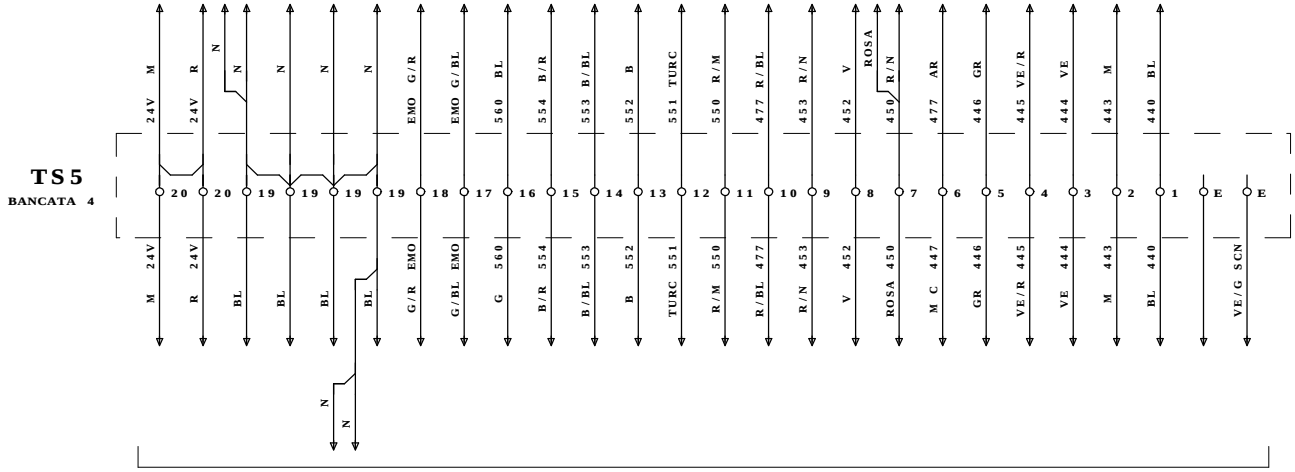
PRESA 3

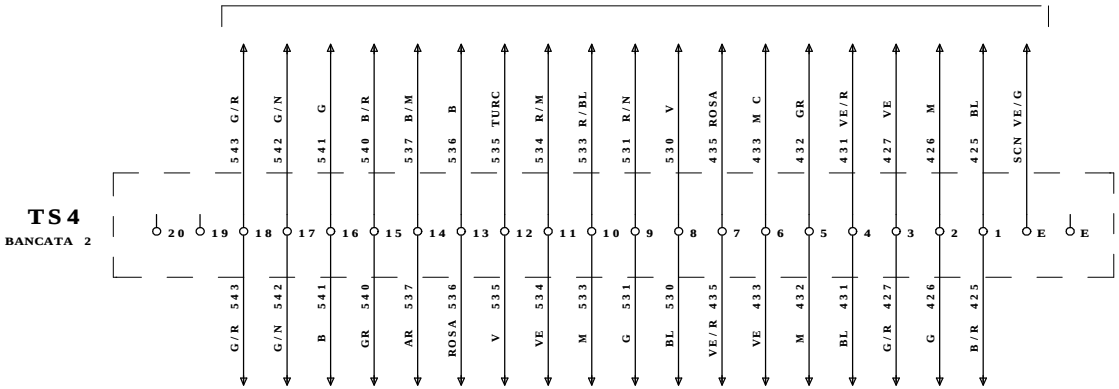


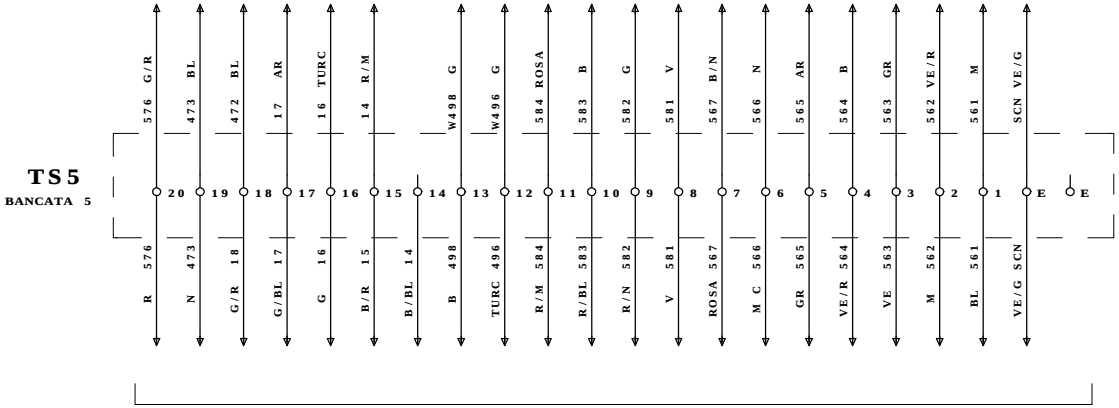


PRESA 4

			Data		2010/7693	REM s.r.l.	Morsettiera TS4/3- TS5/4	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 261
Modifiche	Data	Nome	Norm.						266

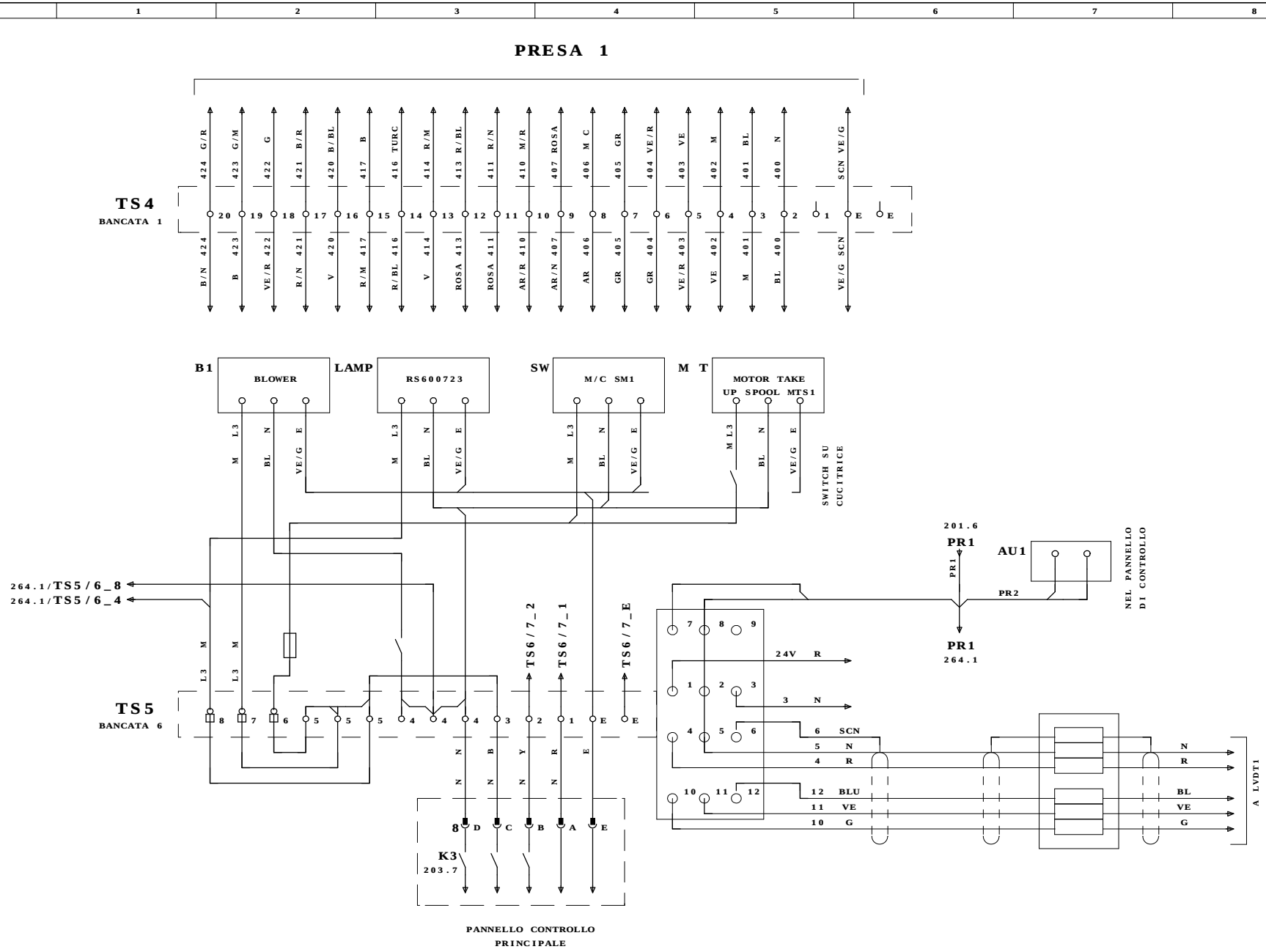
PRESA 2





PRESA 5

			Data		2010/7693	REM s.r.l.	Morsettiera TS4/2- TS5/5	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 262
Modifiche	Data	Nome	Norm.						266



262

264

			Data		2010/7693	REM s.r.l.	Morsettiera TS4/1- TS5/6	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

=
+

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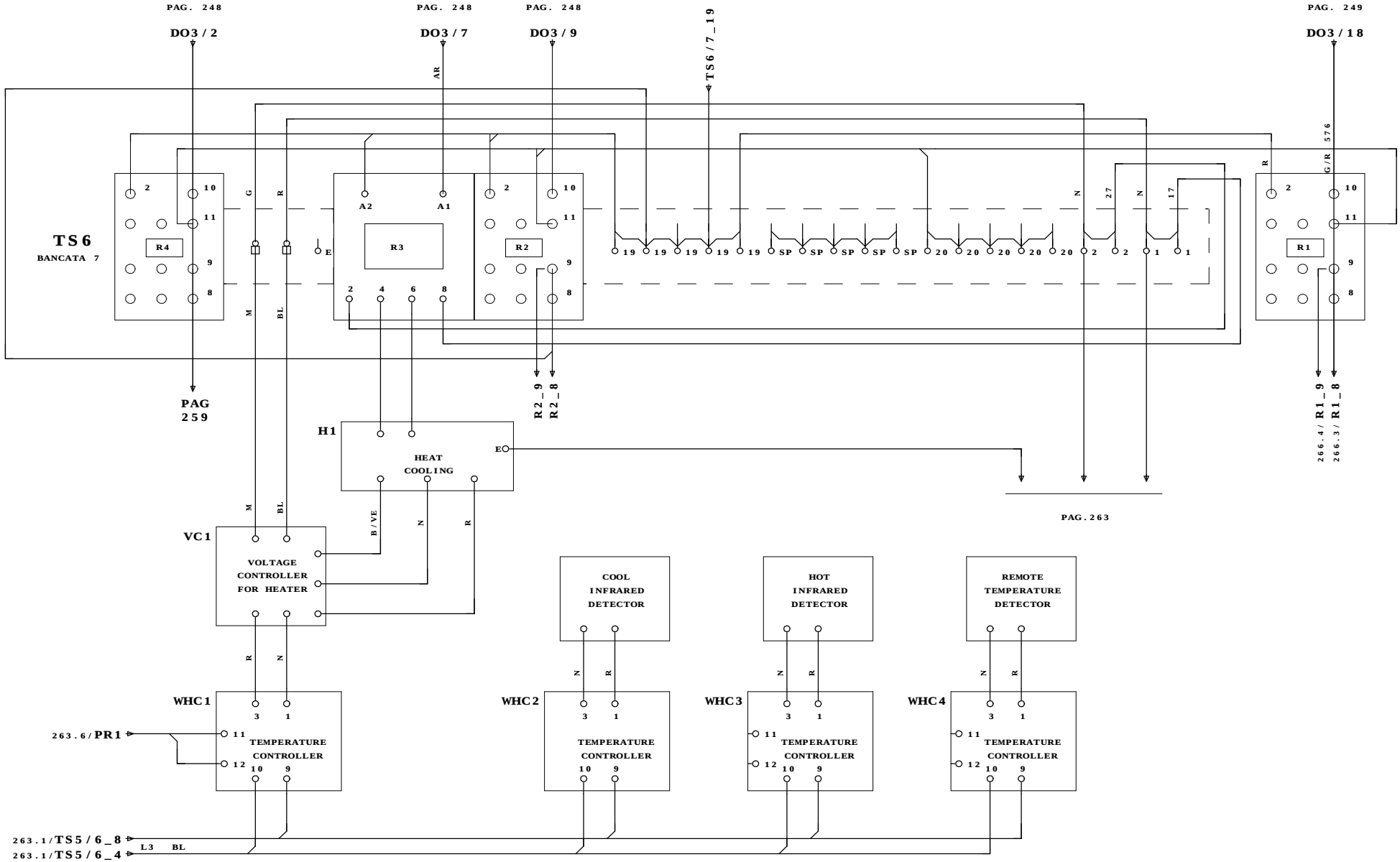
266



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265

			Data		2010/7693	REM s.r.l.	Morsettiera TS6/7	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

=
+

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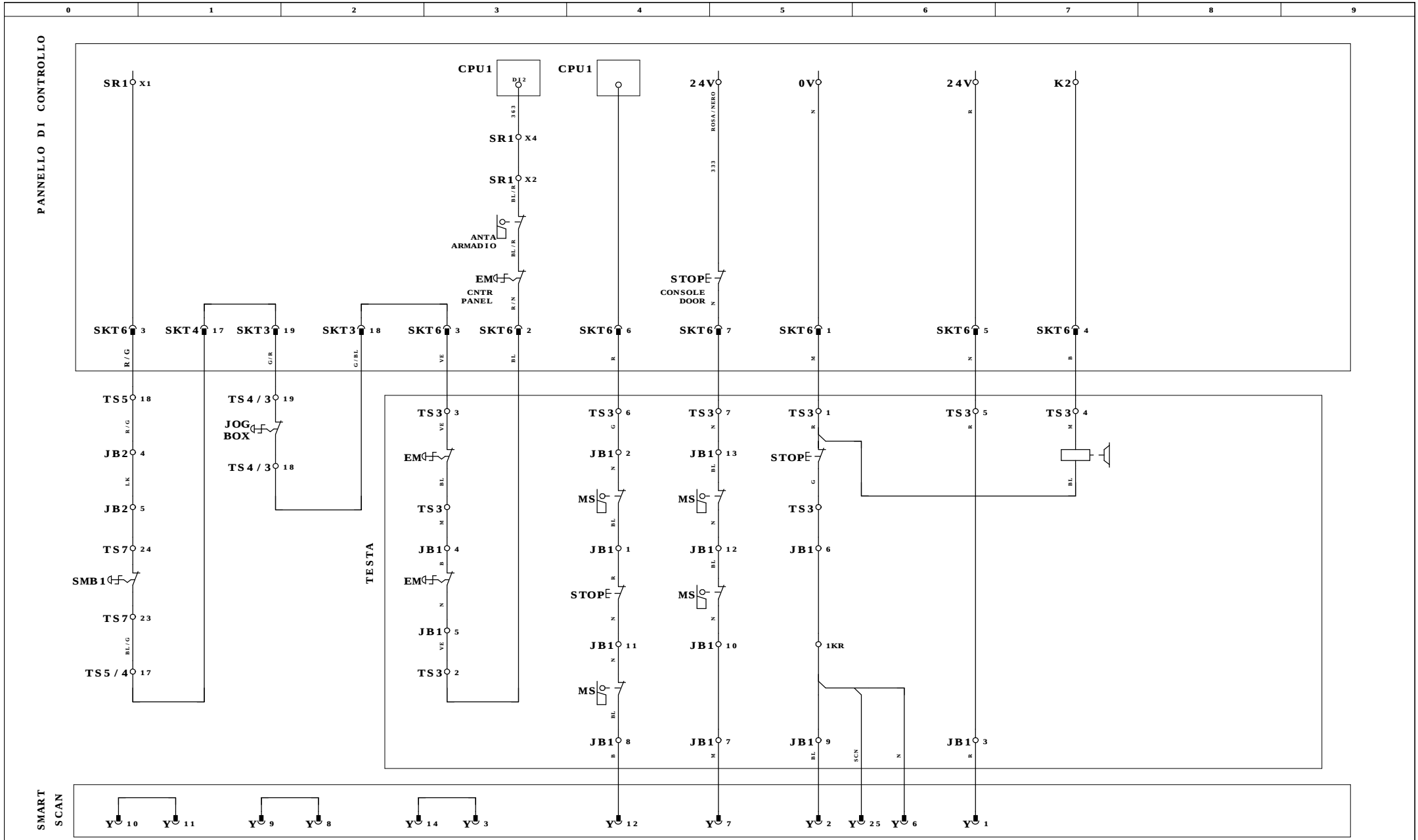

			Data		2010/7693	REM s.r.l.	Emergenze e interfacce	2010/7693
			Diseg.	AA1	Avvolgitrice Pultrex			Quasar Engineering srl
			Plot.	26.Set.2011				
Modifiche	Data	Nome	Norm.					

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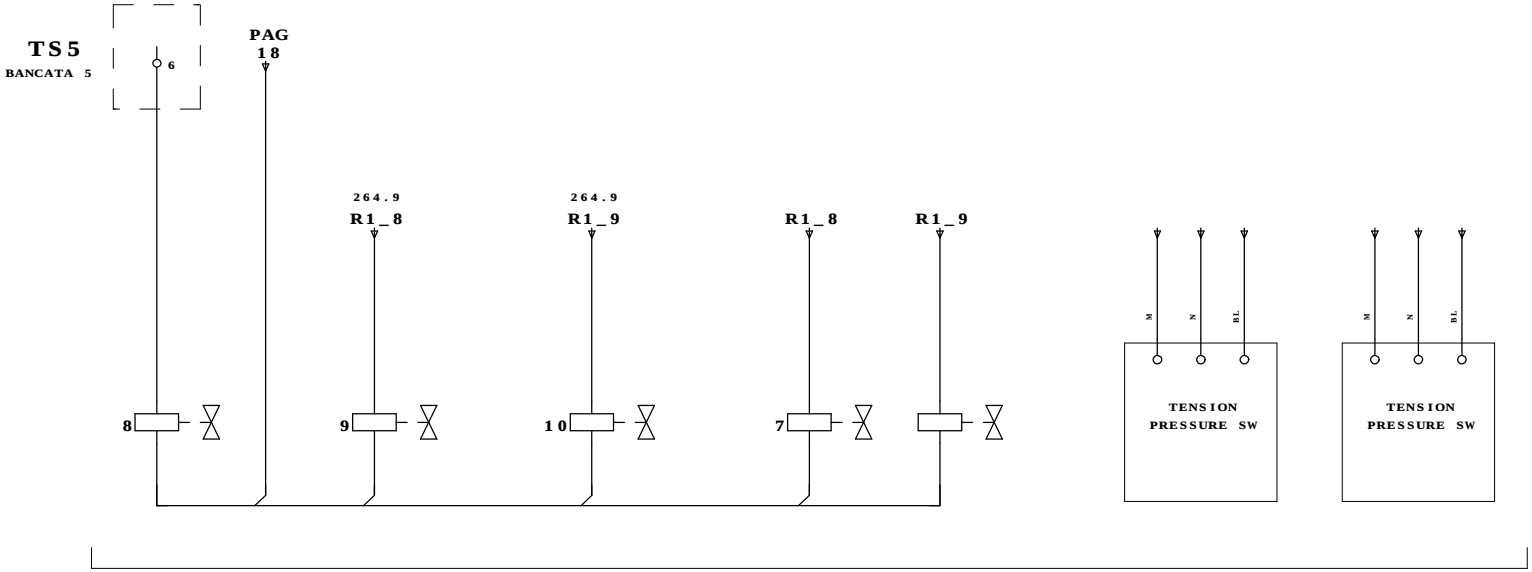

265

			Data		2010/7693	REM s.r.l.	Morsettiera TS6/7	2010/7693	=
			Diseg.	AA1	Avvolgitrice Pultrex				+
			Plot.	26.Set.2011				Quasar Engineering srl	Pag 266
Modifiche	Data	Nome	Norm.						266