QUADRO DI COMANDO PER:
CONTROL EQUIPMENT FOR:

MTSC.2.15+2xTE/85-A

☐ COMMESSA SAEL JOB NR.	080025	☐ COMMESSA CLIENTE CUSTOMER JOB NR.	2007R016
☐ DATA DATE	12/11/07	☐ AUSILIARI C.A. A.C. AUXILIARY	220V (110V)
☐ CAPOCOMMESSA CHECK	BORDINO	☐ AUSILIARI C.C. D.C. AUXILIARY	24Vdc
☐ DISEGNATORE DES.	N.Z.	REVISIONI REVISIONS	
☐ PROGETTO A NORME STANDARD	EN60204-1		
☐ TENSIONE NOMINALE NOMINAL VOLTAGE	400V +/-10%		
☐ FREQUENZA FREQUENCY	50Hz +/-2%		
☐ POTENZA LINEA LINE POWER	1072KVA		
☐ CORRENTE LINEA LINE CURRENT	1547A		
☐ TIPO LINEA TYPE OF FEEDER LINE	L1-L2-L3-PE		
☐ DIMENSIONI QUADRO CABINET STRUCTURE	7120+5400W/2630H/750D		
☐ GRADO PROTEZIONE DEGREE OF PROTECT. IP54	☐ POT. INTERRUZIONE BREAKING CAPABILITY 50KA		

N° NO.	TIPO TYPE	DATA DATE	VISTO SIGNATURE
2	SAEL TEST	29/02/08	N.Z.
3	SAMP MODIFY	05/05/08	G.B.
4	COMMISSIONING	31/10/08	G.B.

SAMP S.p.A.
59, v. Stalingrado
Bologna - ITALY

SCHEMI IN LINGUA: DRAWING LANGUAGE:
☐ ITALIANO ITALIAN ☒ INGLESE ENGLISH ☐ TEDESCO GERMAN ☐ FRANCESE FRANCE ☐ SPAGNOLO SPANISH ☐ ALTRA LINGUA OTHER LANGUAGE

Revision	Date	Name	Stand.
3 COMMISSIONING	31/10/08	G.B.	Date 12/11/07
2 SAMP MODIFY	05/05/08	G.B.	Design. N.Z.
1 SAEL TEST	29/02/08	N.Z.	Check BORDINO
			EN60204-1

Obtained from: | Replacing: | Replaced by:

SAMP S.p.A. 59, v. Stalingrado Bologna - ITALY

MTSC.2.15+2xTE/85-A
MACHINE DATA
Layout

080025

File: 080025SH.DWG | No 2007R016 | SAMP

= L1
+ Q1

Scale 1:1 mm
Tot 197
Sheet A1
Follow A2

COMMON USE SYMBOLS FOR ELECTRIC DIAGRAMS

(REF. IEC 617-7)

CARD TEMINAL DESCRIPTION

FUNCTION | RST | 5 | TEMINAL

CROSS REFERENCE TEMINAL CARD

PLC DESCRIPTION
NOTES
POSITION: FF/C — CROSS REFERENCE
CARD: CARD — EL.CARD REFERENCE
I.C. IC — TERMINAL CONNECTOR
TYPE: I/O — INPUT/OUTPUT
ADRESS: E0.0 — I/O ADDRESS
PIN — NO.TERMINAL CONNECTION

K SPOOL
K DELAYED SWITCH ON SPOOL
K DELAYED SWITCH OFF SPOOL
Y ELECTROVALVE
Y BRAKE
Q MAIN LINE BRAKER
S LINE SWITCH

X BIPOLAR SOCKET WITH GROUND
T TRANSFORMER
NOISE ABATMENT
L REACTANCE
S EMERGENCY PUSHBUTTON
S NO PUSHBUTTON
S NC PUSHBUTTON
S NO PRESSURE SWITCH
S NC PRESSURE SWITCH
S NO SELECTOR
S NC SELECTOR
F FUSE

C CAPACITOR
R RESISTOR
R POWER RESISTOR
CROSS REF.
WIRE SECTION
S NO MICROSWITCH
S NC MICROSWITCH
S SENSOR
K POWER CONTACT
K NO CONTACT
K NC CONTACT
S THERMIC CONTACT
X TERMINAL
X CONNECTOR
X ROTARY CONNECTOR

M 3PHASE AC MOTOR
M MONOPHASE AC MOTOR
M DC MOTOR
E TACHO DYNAMO
E VOLTMETER
G AMMETER
H LAMP
H FLASHING LAMP
H SIGNAL LAMP
R POTENTIOMETER
R TRIMMER
MASS
GROUND
D DIODE

COMMANDS ABBREVIATIONS

- PUSHBUTTON – PS
- PUSHBUTTON WHIT LAMP – PL
- SELECTOR – SL
- LAMP – LP
- ANALOG INSTRUMENT – A.IST.
- DIGITAL INSTRUMENT – D.IST.
- OPERATOR PANEL – O.P.
- PRESSURE SWITCH – CP
- AIR FLOW SWITCH – CA
- THERMAL SWITCH – CT
- LEVEL SWITCH – CL

IEC 757 COLOURS ABBREVIATIONS

BLACK	⇒	BK
BROWN	⇒	BN
BLU	⇒	BU
WHITE	⇒	WH
GREEN	⇒	GN
YELLOW	⇒	YE
RED	⇒	RD
GREY	⇒	GR
GREEN\YELLOW	⇒	GNYE

COMPONENTS LOCATION IN THE DIAGRAM:
- PANDANT,CONSOLE
- CABINET
- MACHINE
- CABINET DOOR

SUPPLY LINES NUMBERING: LINE NUMBER / L / 1-2-3 — ex: 1L1 1L2 1L3

TRIPHASE LINES NUMBERING: SHEET / SHEET / COLUMN / 1..9 / R-S-T — ex: 0121R 0121S 0121T

WIRES NUMBERING: SHEET / SHEET / COLUMN / 1..9 — ex: 0121

COMPONENTS AND CONTACTS NUMBERING: COMPONENT ID. / SHEET / SHEET / COLUMN / 1..9 — ex: E0121

CROSS REFERENCE: SHEET / SHEET / / / COLUMN — ex: 01/2

GROUNG WIRE: P / E

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.		SCHEMATIC SYMBOLS		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet A2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow A3

DATI GENERALI RELATIVI AL QUADRO ELETTRICO
CONTROL CABINET GENERAL INFORMATION

TENSIONE LINEA:
LINE VOLTAGE: 400 V 50 Hz ☒ L1 ☒ L2 ☒ L3 ☒ PE

POWER:
POWER : 1072 KVA

DIMENSIONI:
DIMENSIONS: 7120+5400 W 2630 H 750 D

PESO:
WEIGHT: 2500+2000 Kg

IMBALLAGG NWIO:
L'IMBALLAGG NWIO DEVE FORNIRE UNA PROTEZIONE CONTRO AGENTI ATMOSFERICI ED URTI ADEGUATA AL TIPO DI TRASPORTO
PACKING:
PACKING MUST PROVIDE PROTECTION AGAINST MOISTURE AND IMPACTS ADEQUATE TO THE KIND OF SHIPPING.

MAGAZZINAGG NWIO:
TEMPERATURA: DA -25 A +55 GRADI CENTIGRADI
UMIDITA': 90% A 20 GRADI CENTIGRADI
50% A 50 GRADI CENTIGRADI
STORING:
TEMPERATURE: FROM -25 TO +55 DEGREES CELSIUS
MAX. HUMIDITY: 90% AT 20 DEGREES CELSIUS
50% AT 50 DEGREES CELSIUS

MANUTENZIONE QUADRI IP54
IP54 CABINETS MAINTENANCE:

☐ **PULIRE I FILTRI DI VENTILAZIONE UNA VOLTA AL MESE**
CLEAN VENTILATION FILTERS ONCE A MONTH

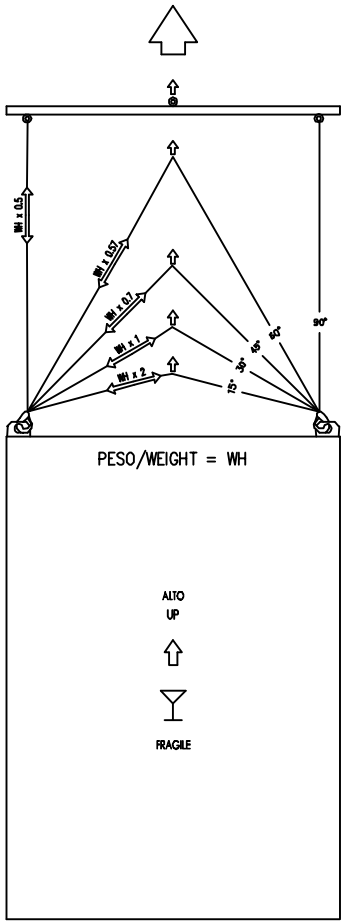
QUADRI IP54 RAFFREDDATI AD ACQUA:
WATER COOLED IP54 CABINETS:

☑ **PORTATA CIRCUITO ACQUA:** 4x120 L/MIN
COOLING WATER FLOW:

☑ **PRESSIONE CIRCUITO ACQUA:** 1.5 BAR
COOLING WATER PRESSURE:

☑ **POWER CIRCUITO ACQUA:** 4x12 KW
COOLING CIRCUIT POWER:

SOLLEVAMENTO:
LIFTING:



Revision	Date	Name	Stand.			
3 COMMISSIONING	31/10/08	G.B.	Date	12/11/07		
2 SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.		
1 SAEL TEST	29/02/08	N.Z.	Check	BORDINO		
			Stand.	EN60204-1	Obtained from:	Replacing:

SAMP S.p.A.
59, v. Stalingrado
Bologna – ITALY

Replaced by:

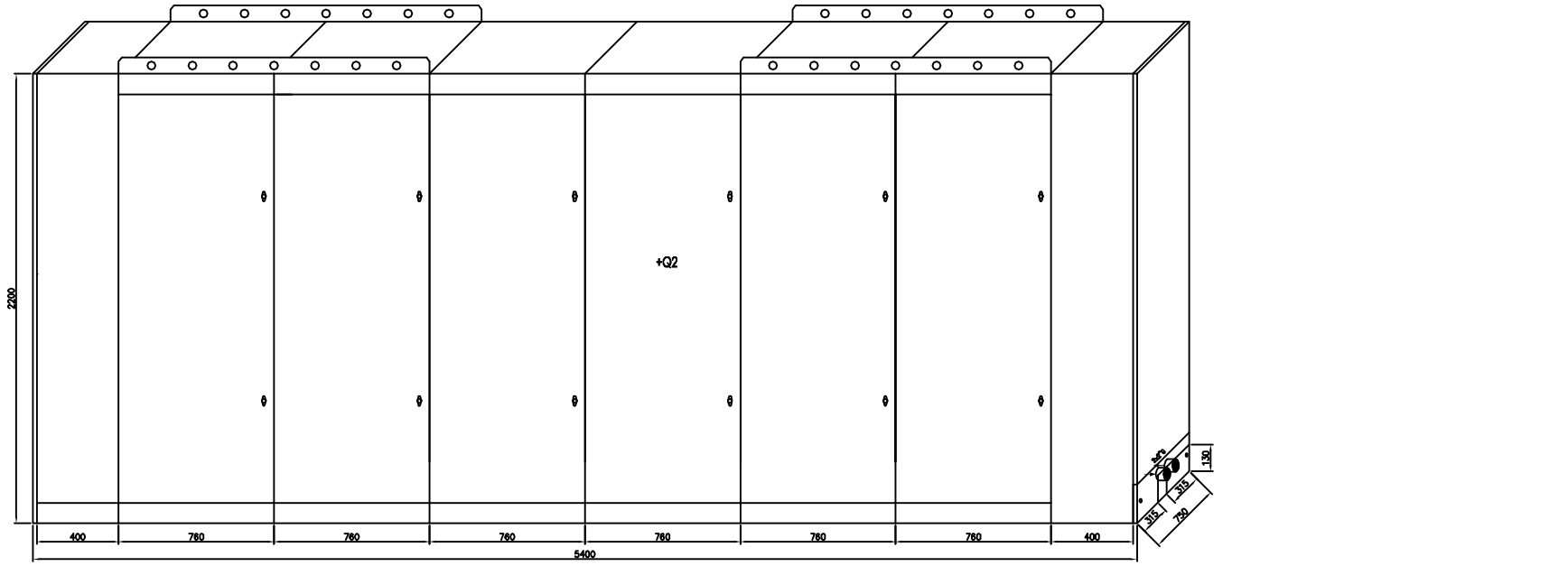
MTSC.2.15+2xTE/85-A
GENERAL DATA
Layout

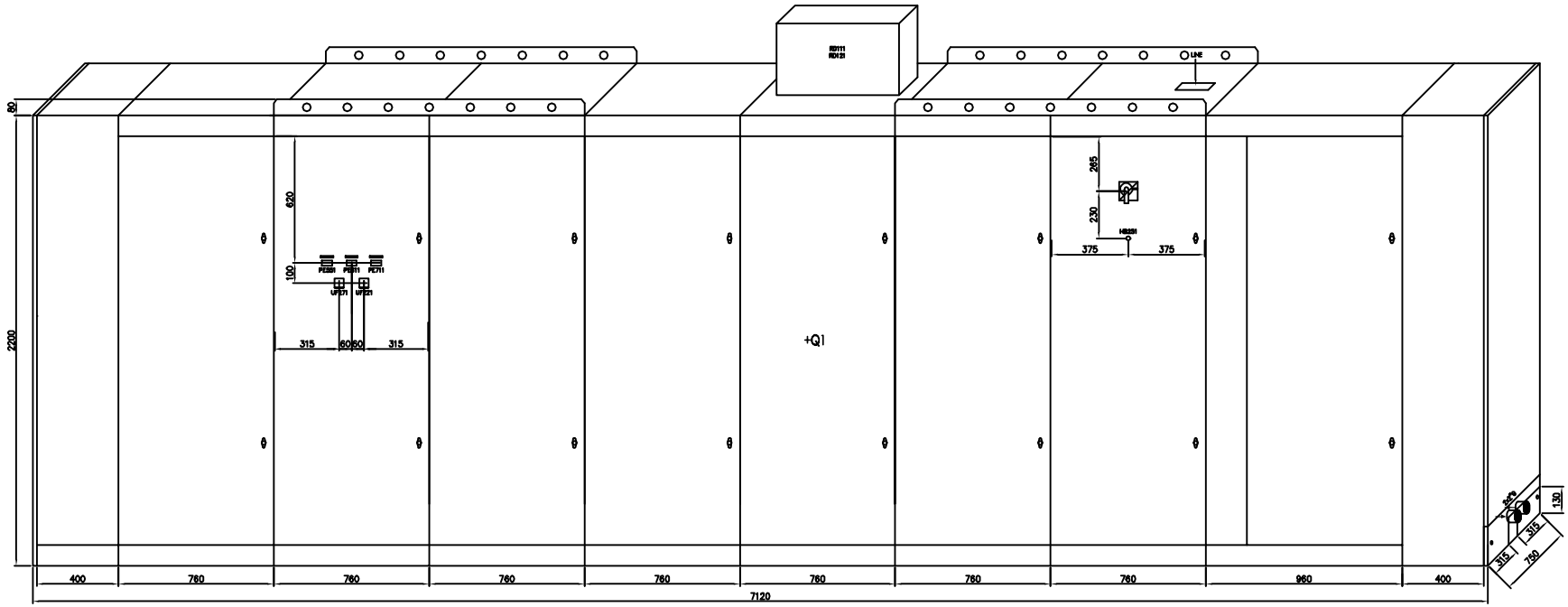
080025

File: 080025SH.DWG | No 2007R016 | SAMP

= L1
+ Q1

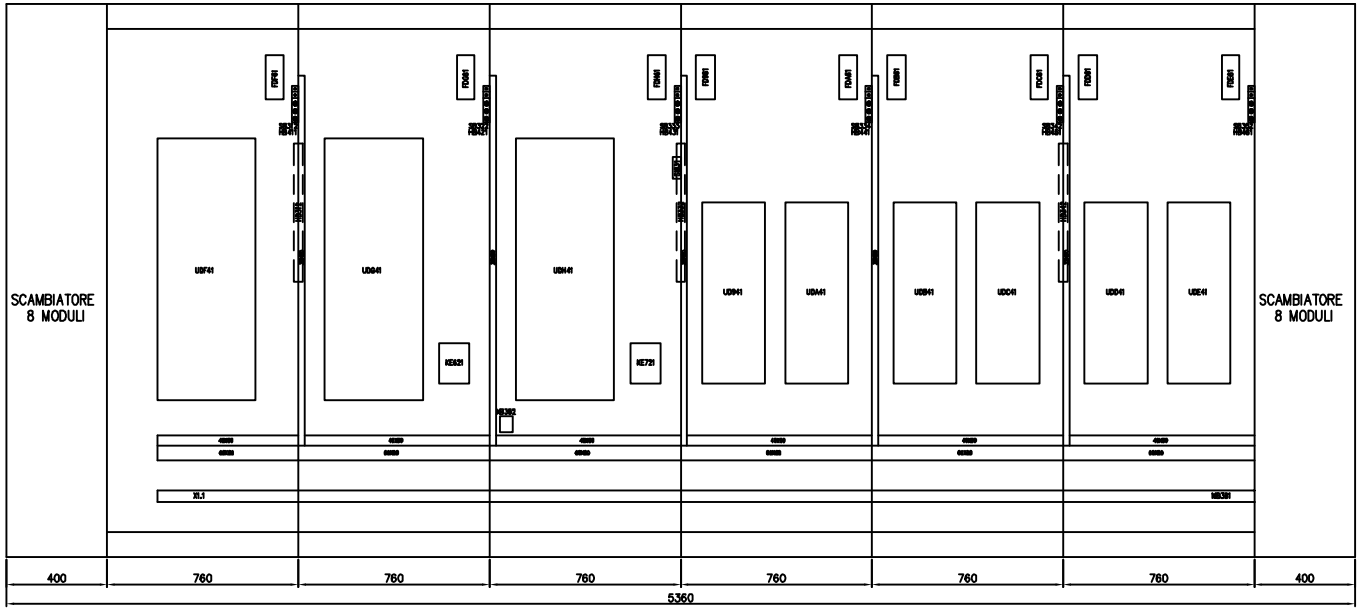
Scale 1:1 mm
Tot 197
Sheet A3
Follow A4

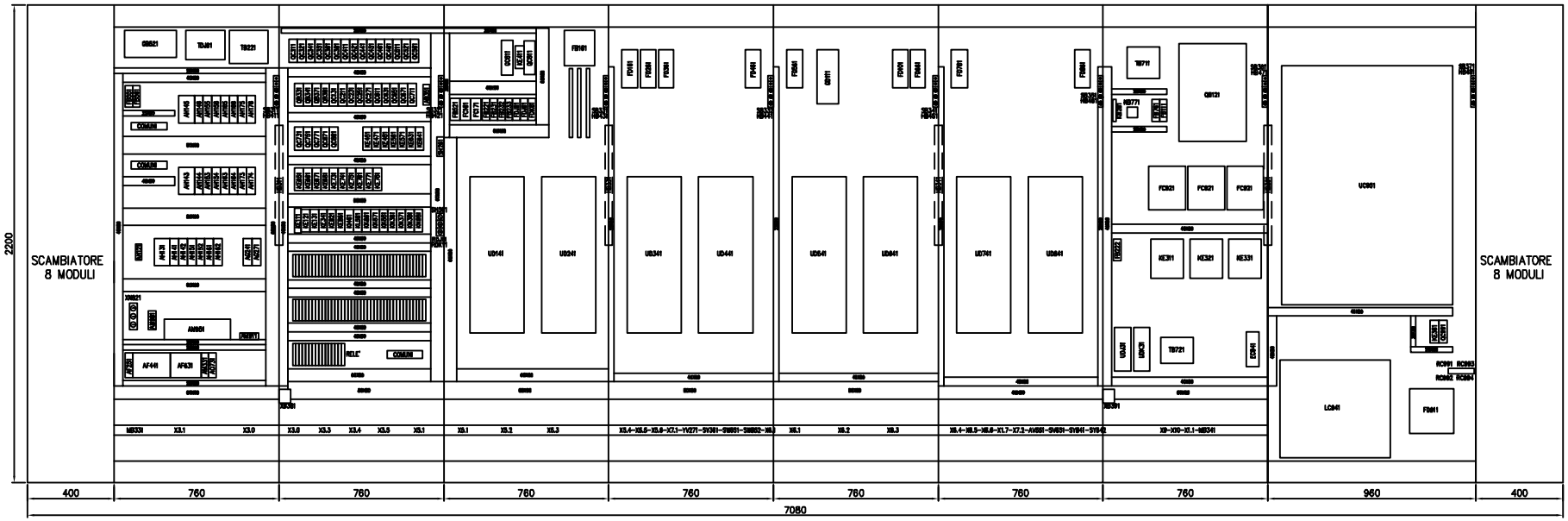




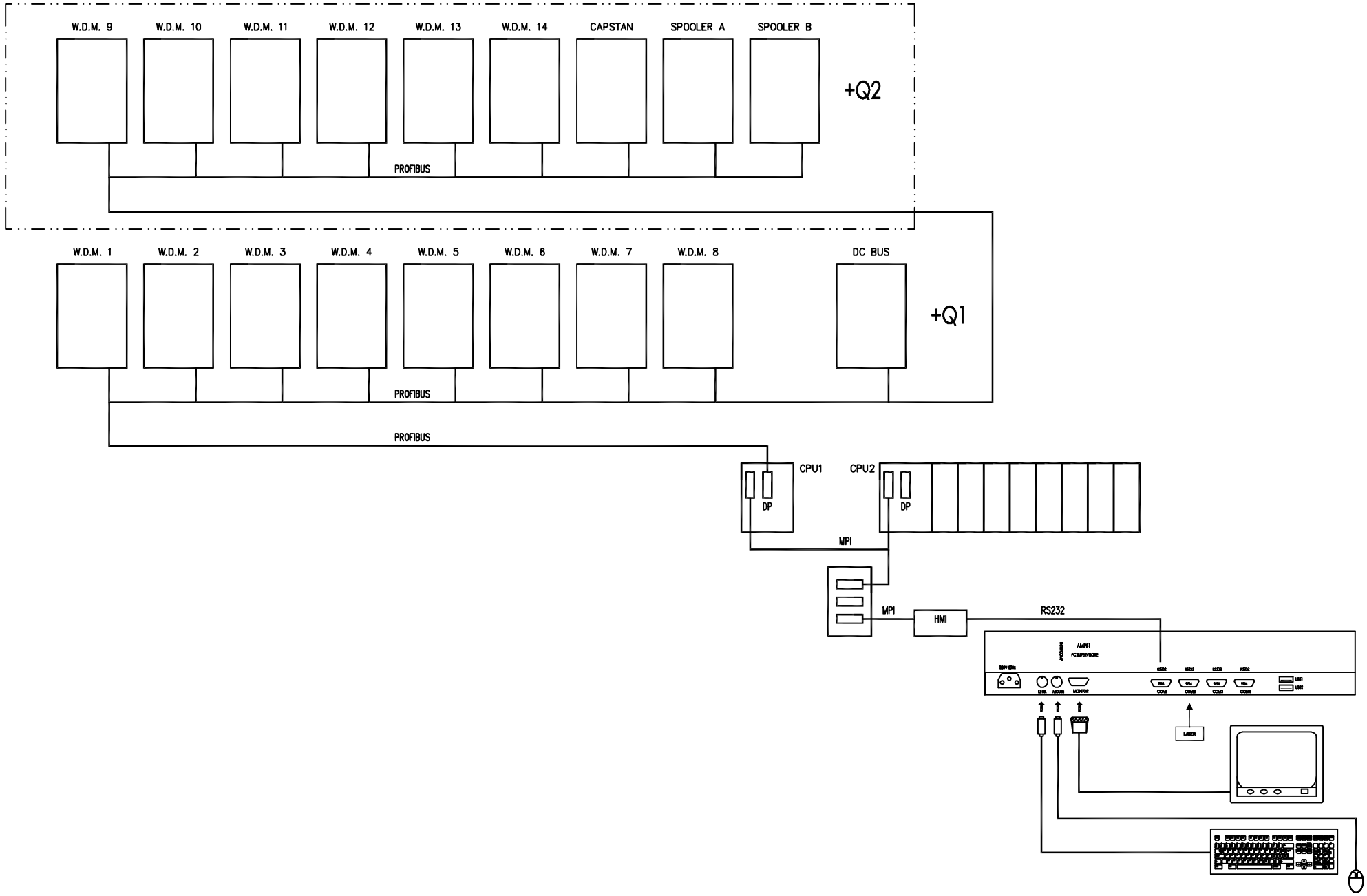
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07			SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.				CABINET DIMENSIONS		+	Q1	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO					File: 080025SH.DWG	No 2007R016	SAMP	Sheet	A4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout				Follow	A5

ENTRATA ED USCITA CAVI DAL BASSO

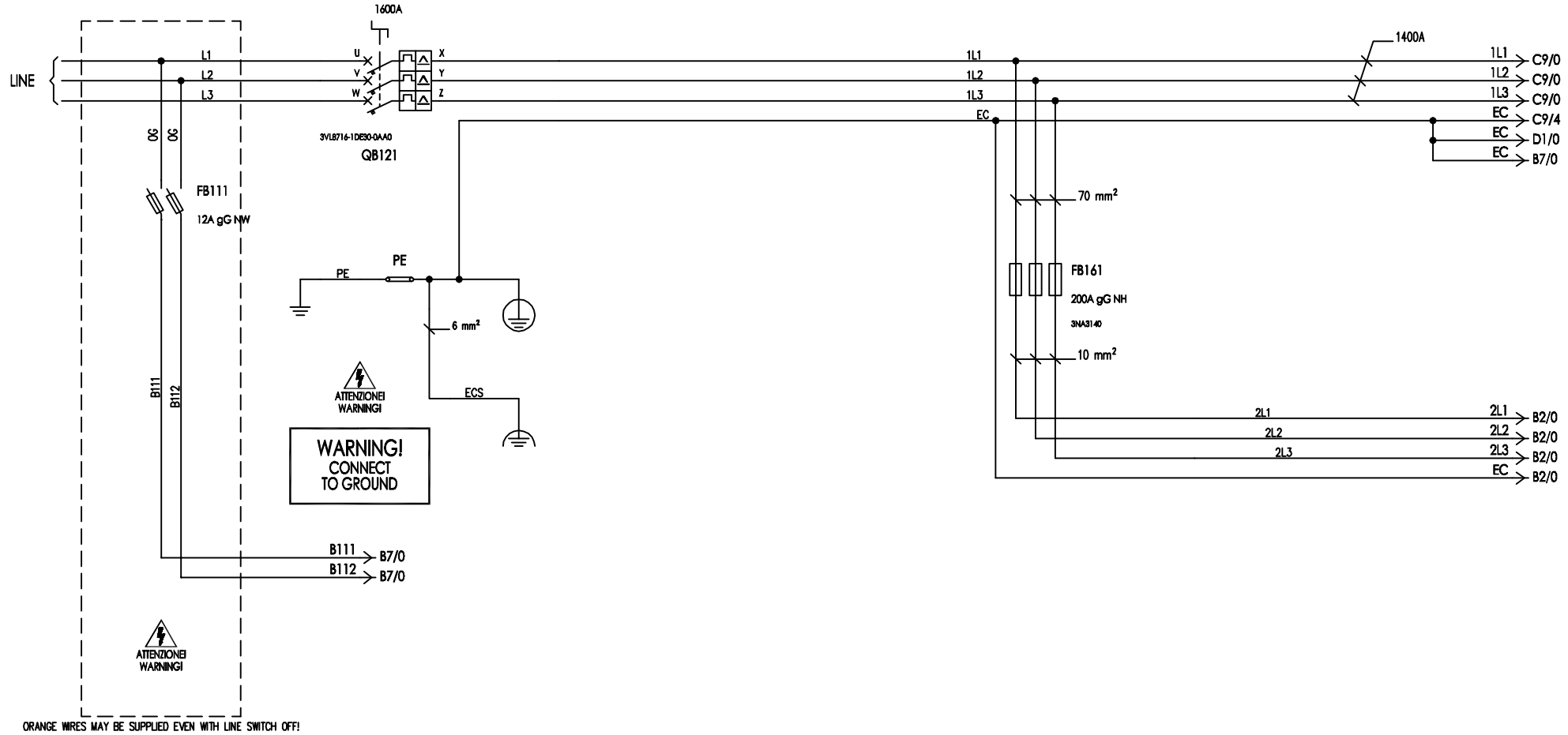




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			COMPONENTS LAYOUT		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet A5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow A9



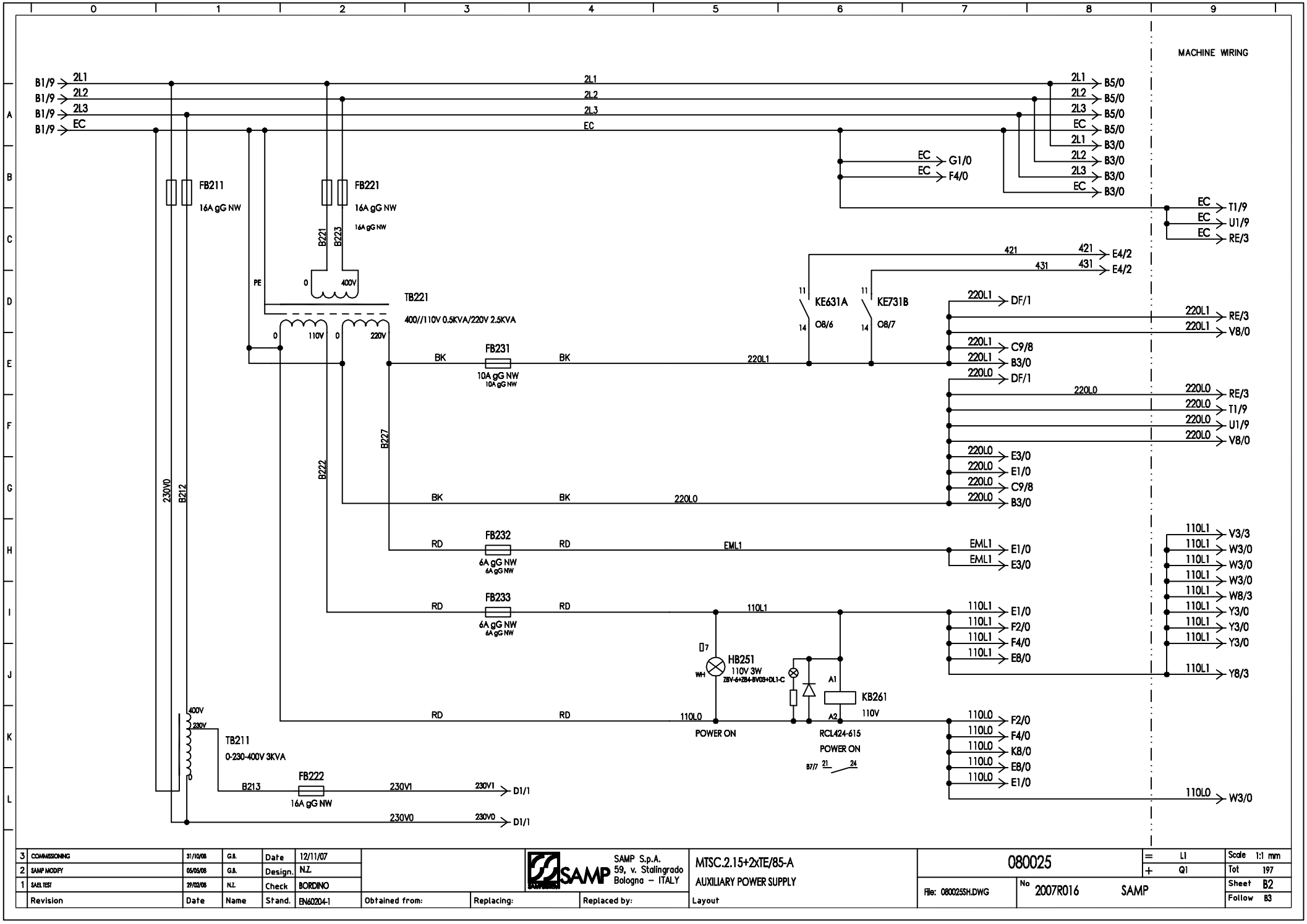
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet A9
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow B1



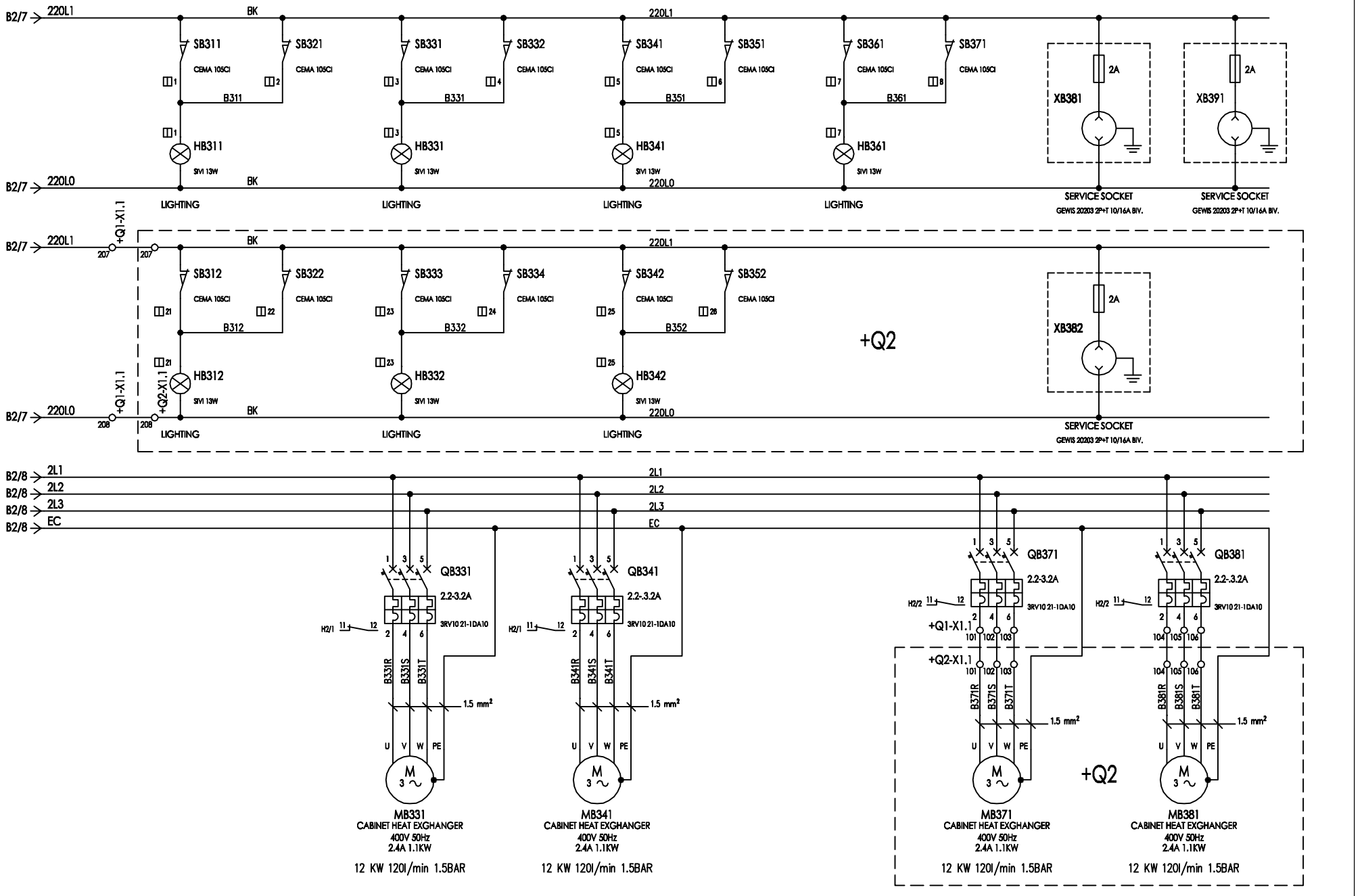
ORANGE WIRES MAY BE SUPPLIED EVEN WITH LINE SWITCH OFF!

COLORAZIONE CONDUTTORI WIRE COLORS		SEZIONE MINIMA MIN. SECTION
POWER POWER	NERO BLACK	1.5 sqmm
SERVIZI QUADRO CABINET SERVICES	NERO BLACK	1.5 sqmm
AUSILIARI 110V CONTROLS 110V	ROSSO RED	1 sqmm
AUSILIARI 24VDC AUXILIARY	BLU BLUE	1 sqmm
TERRA GROUND	GIALLO-VERDE YELLOW-GREEN	1 sqmm

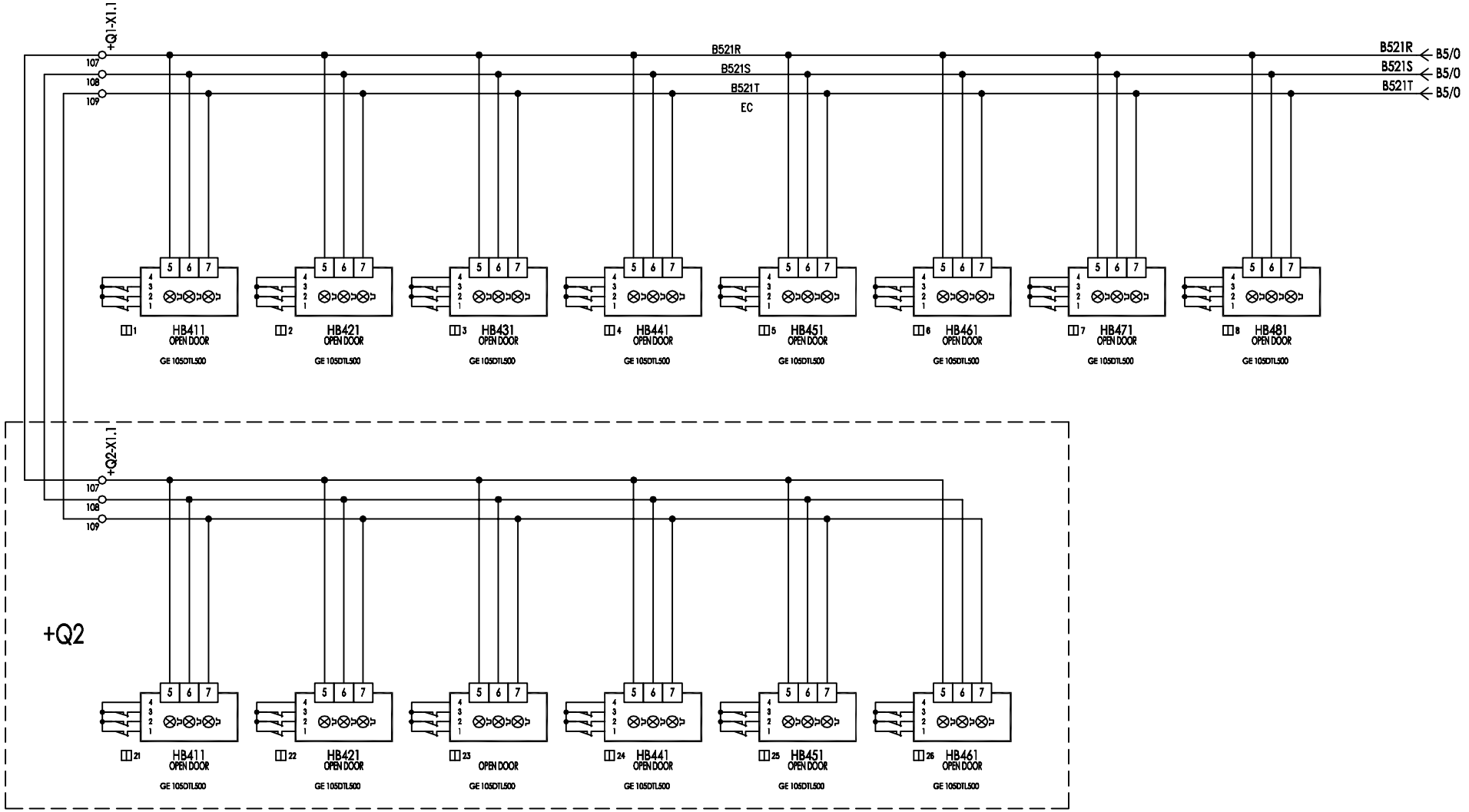
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			LINE INPUT		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet B1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow B2



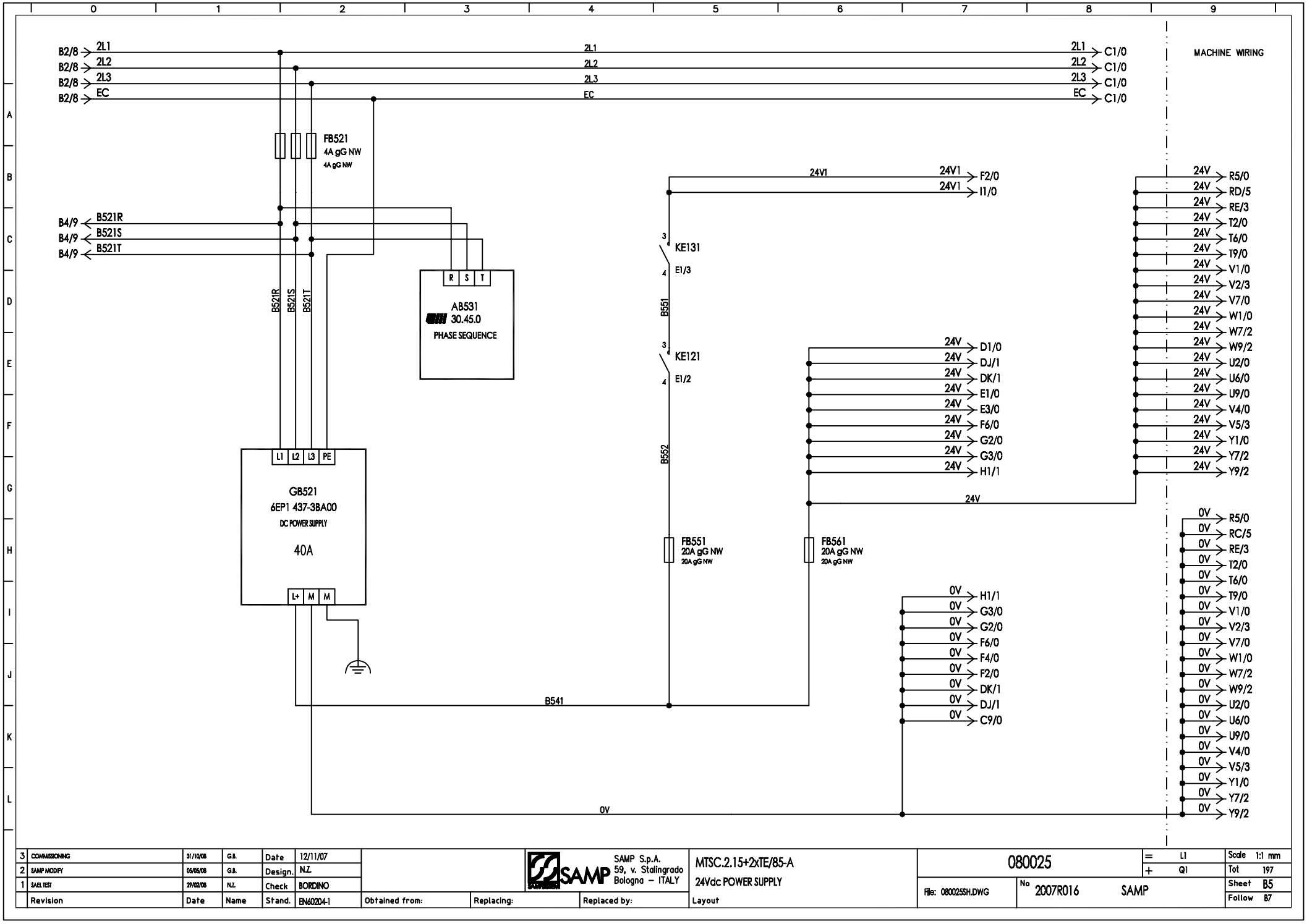
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			AUXILIARY POWER SUPPLY		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet B2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow B3



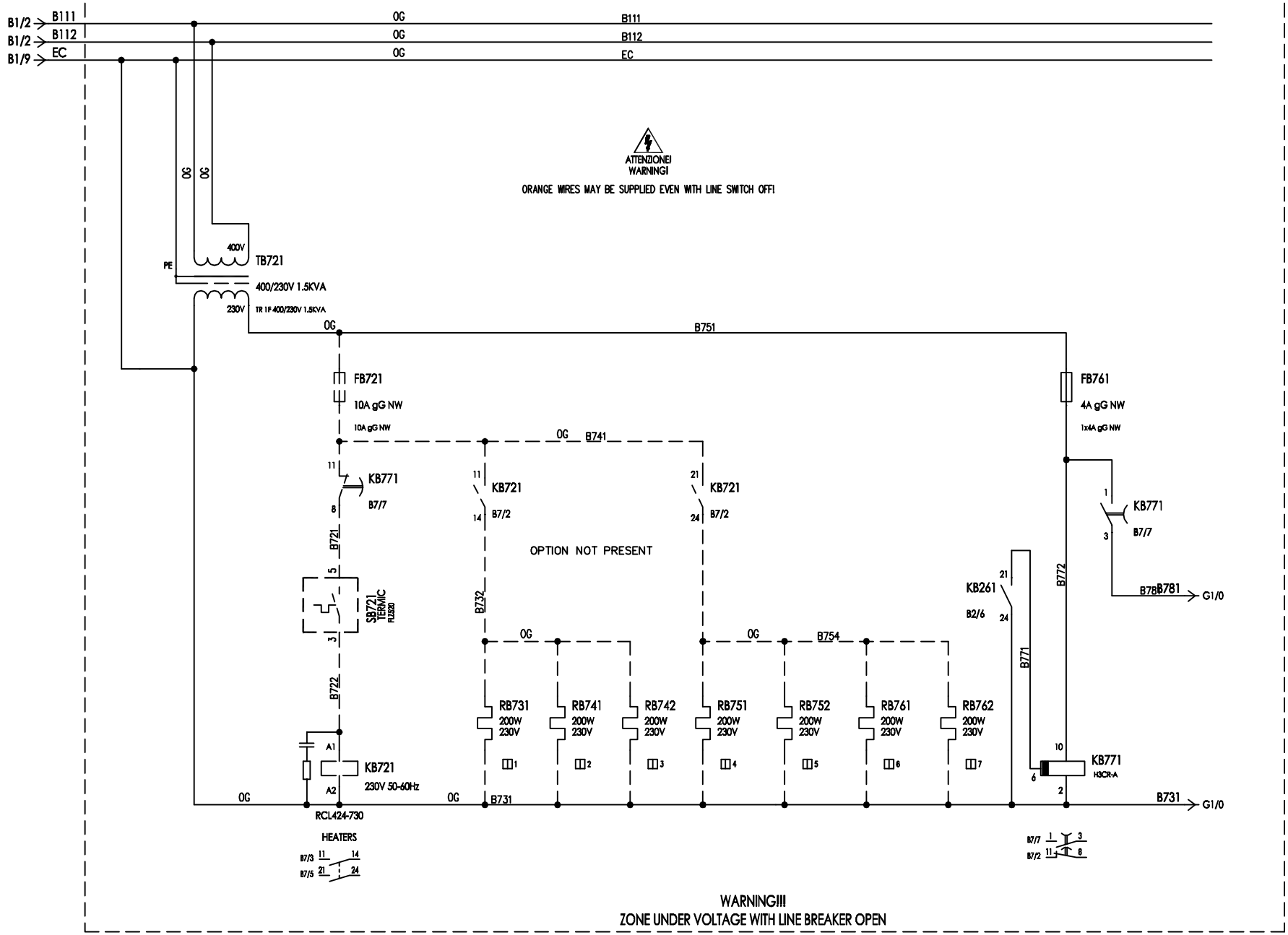
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			CABINET SERVICES		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet B3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow B4



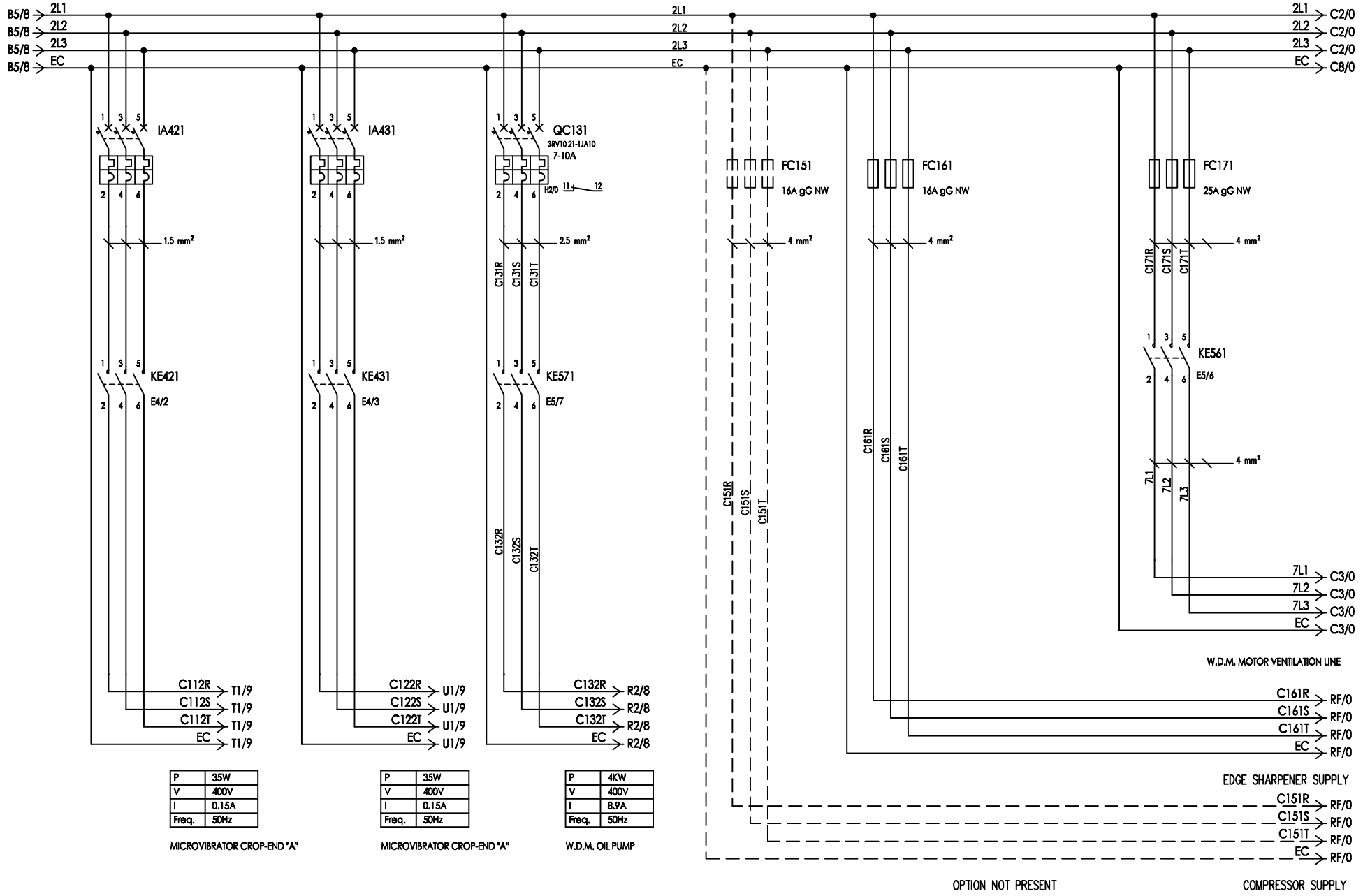
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet B4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow B5



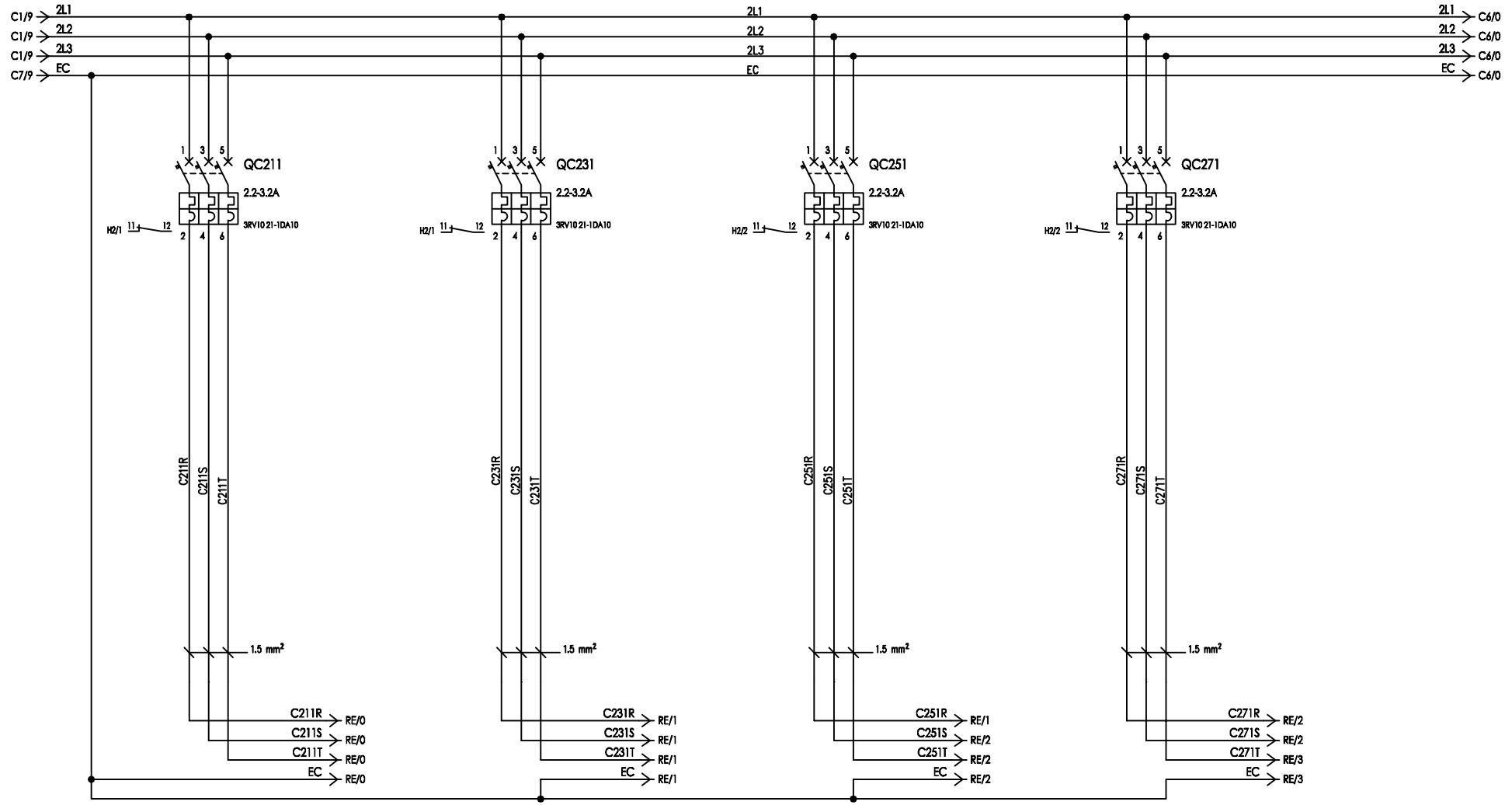
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet B5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow B7



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A TROPICAL CLIMATE CIRCUIT	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet B7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow C1



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			INVERTER VENTILATION		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet C1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow C2



NOISE SHIELD FAN 1

P	1.1KW
V	400V
I	3A
Freq.	50Hz

NOISE SHIELD FAN 2

P	1.1KW
V	400V
I	3A
Freq.	50Hz

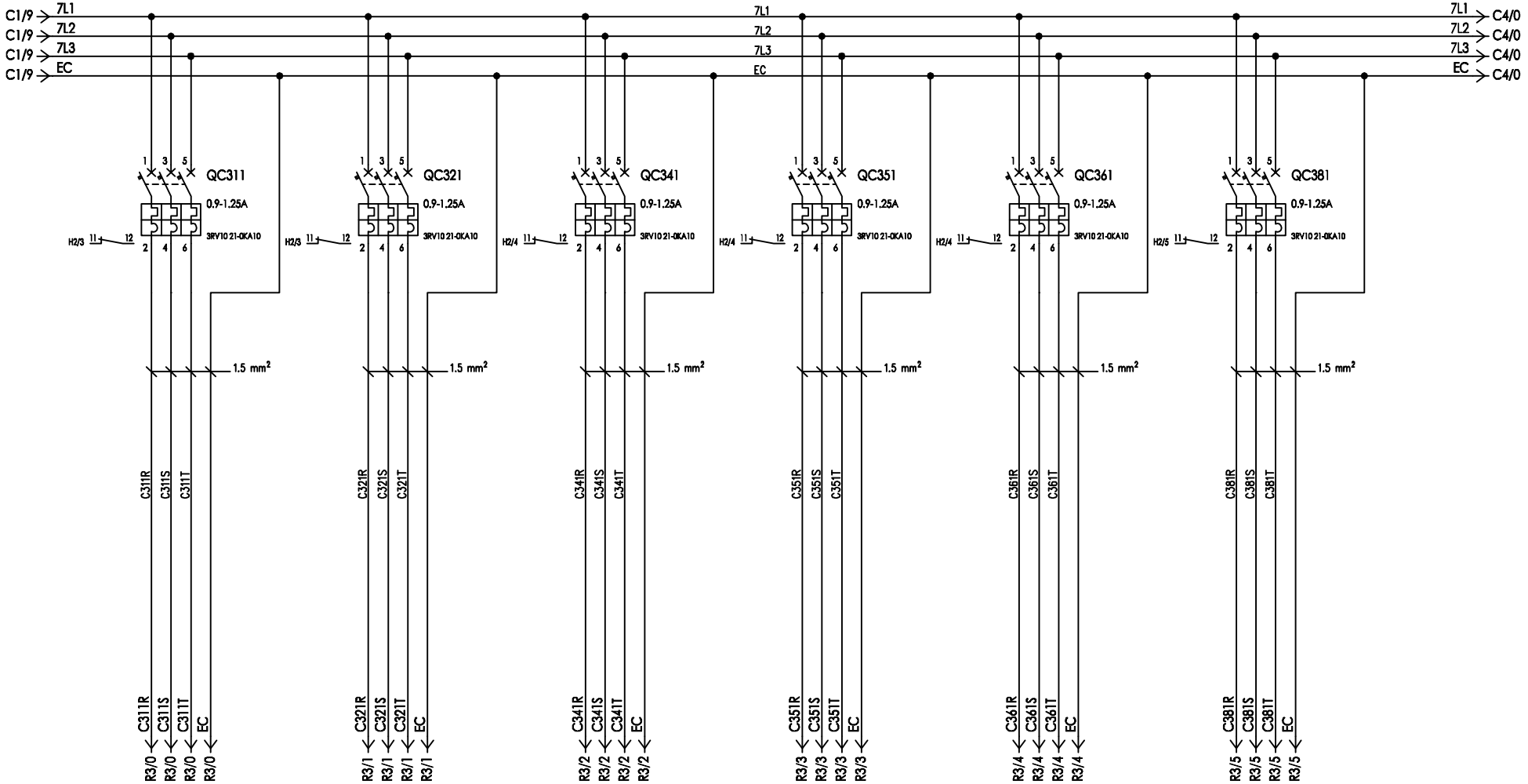
NOISE SHIELD FAN 3

P	1.1KW
V	400V
I	3A
Freq.	50Hz

NOISE SHIELD FAN 4

P	1.1KW
V	400V
I	3A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			NOISE SHIELD FANS		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet C2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow C3



W.D.M. MOTOR FAN 1

P	250W
V	400V
I	0.95A
Freq.	50Hz

W.D.M. MOTOR FAN 2

P	250W
V	400V
I	0.95A
Freq.	50Hz

W.D.M. MOTOR FAN 3

P	250W
V	400V
I	0.95A
Freq.	50Hz

W.D.M. MOTOR FAN 4

P	250W
V	400V
I	0.95A
Freq.	50Hz

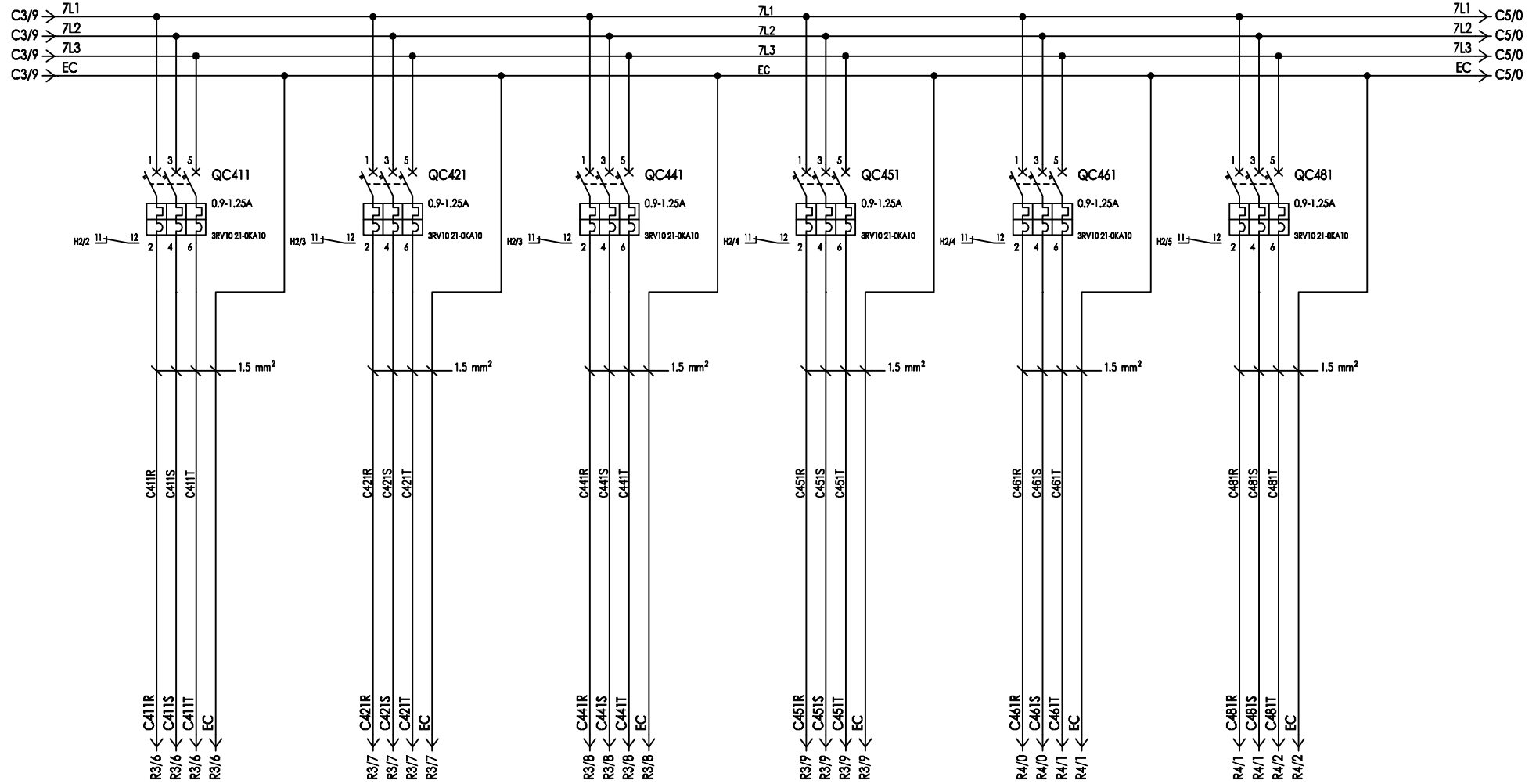
W.D.M. MOTOR FAN 5

P	250W
V	400V
I	0.95A
Freq.	50Hz

W.D.M. MOTOR FAN 6

P	250W
V	400V
I	0.95A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. MOTORS FAN	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet C3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow C4



W.D.M. MOTOR FAN 7

P	250W
V	400V
I	0.95A
Freq.	50Hz

W.D.M. MOTOR FAN 8

P	250W
V	400V
I	0.95A
Freq.	50Hz

W.D.M. MOTOR FAN 9

P	250W
V	400V
I	0.95A
Freq.	50Hz

W.D.M. MOTOR FAN 10

P	250W
V	400V
I	0.95A
Freq.	50Hz

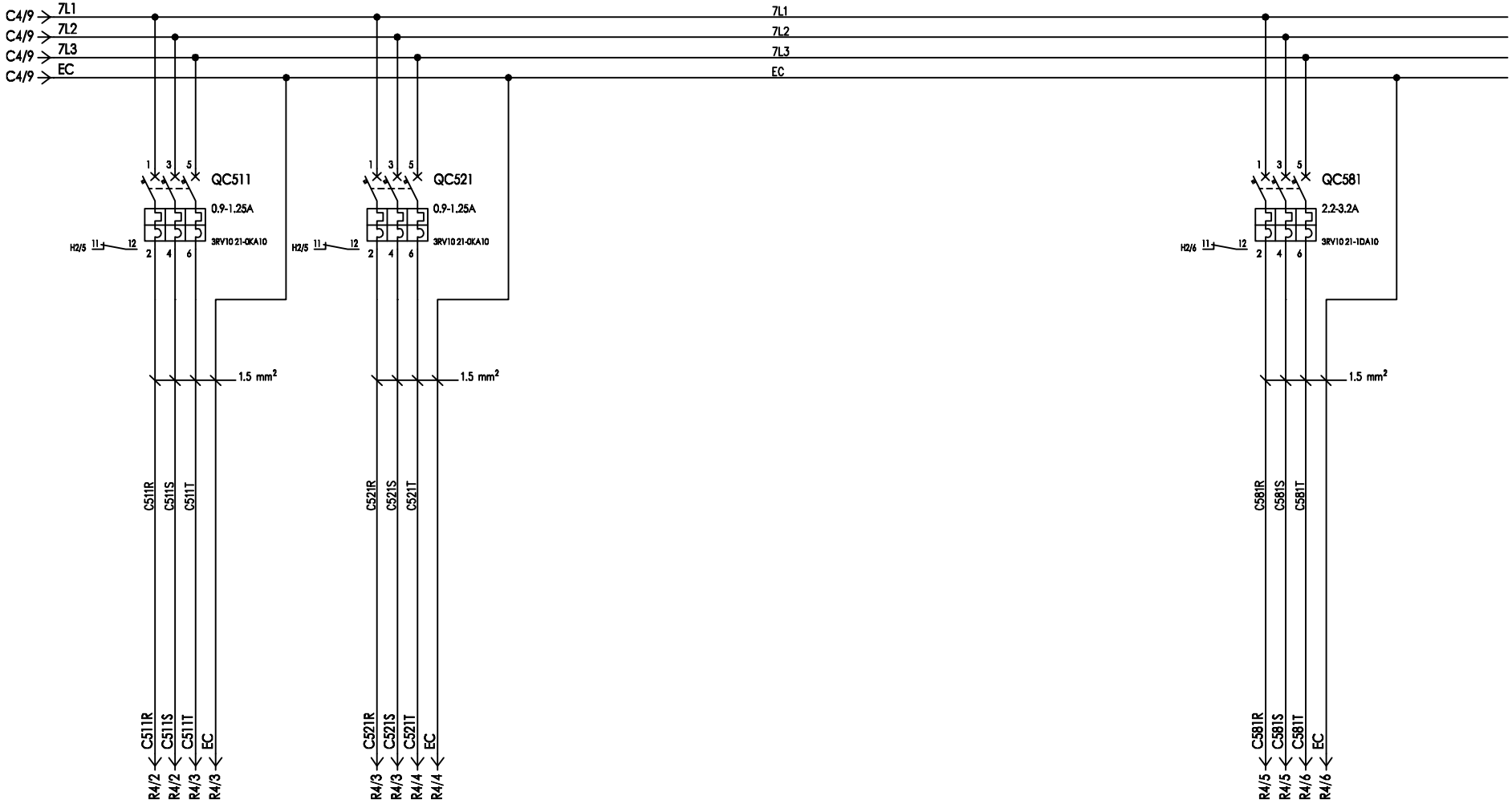
W.D.M. MOTOR FAN 11

P	250W
V	400V
I	0.95A
Freq.	50Hz

W.D.M. MOTOR FAN 12

P	250W
V	400V
I	0.95A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. MOTORS FAN	080025	= L1
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.				+ Q1
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				Scale 1:1 mm
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Tot 197
							Layout	File: 080025SH.DWG	No 2007R016 SAMP
									Sheet C4
									Follow C5



W.D.M. MOTOR FAN 13

P	250W
V	400V
I	0.95A
Freq.	50Hz

W.D.M. MOTOR FAN 14

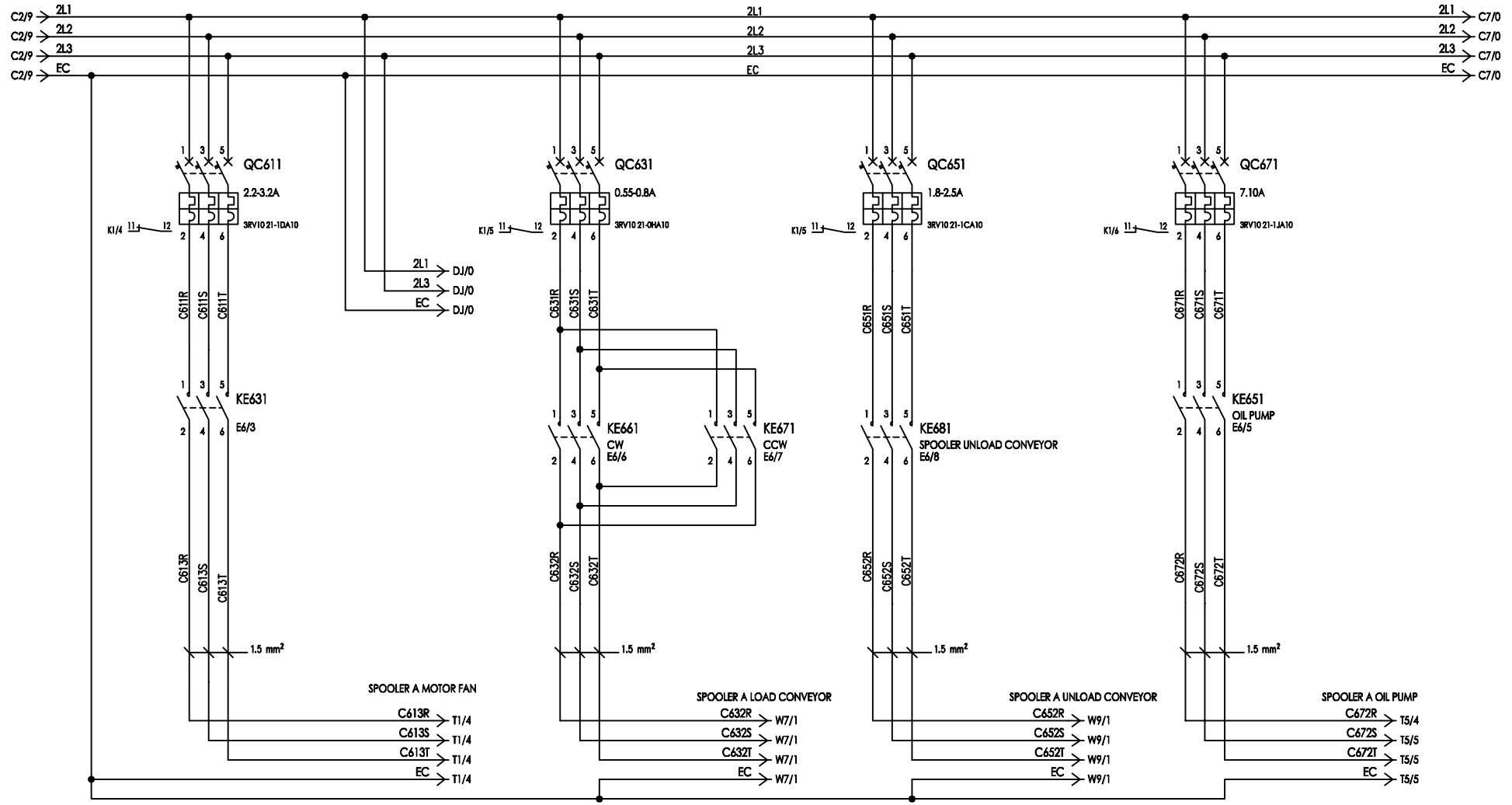
P	250W
V	400V
I	0.95A
Freq.	50Hz

CAPSTAN MOTOR FAN

P	1.32W
V	400V
I	2.9A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. MOTORS FAN
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:

080025		=	L1	Scale	1:1 mm
		+	Q1	Tot	197
File: 080025SH.DWG	No 2007R016 SAMP			Sheet	C5
				Follow	C6



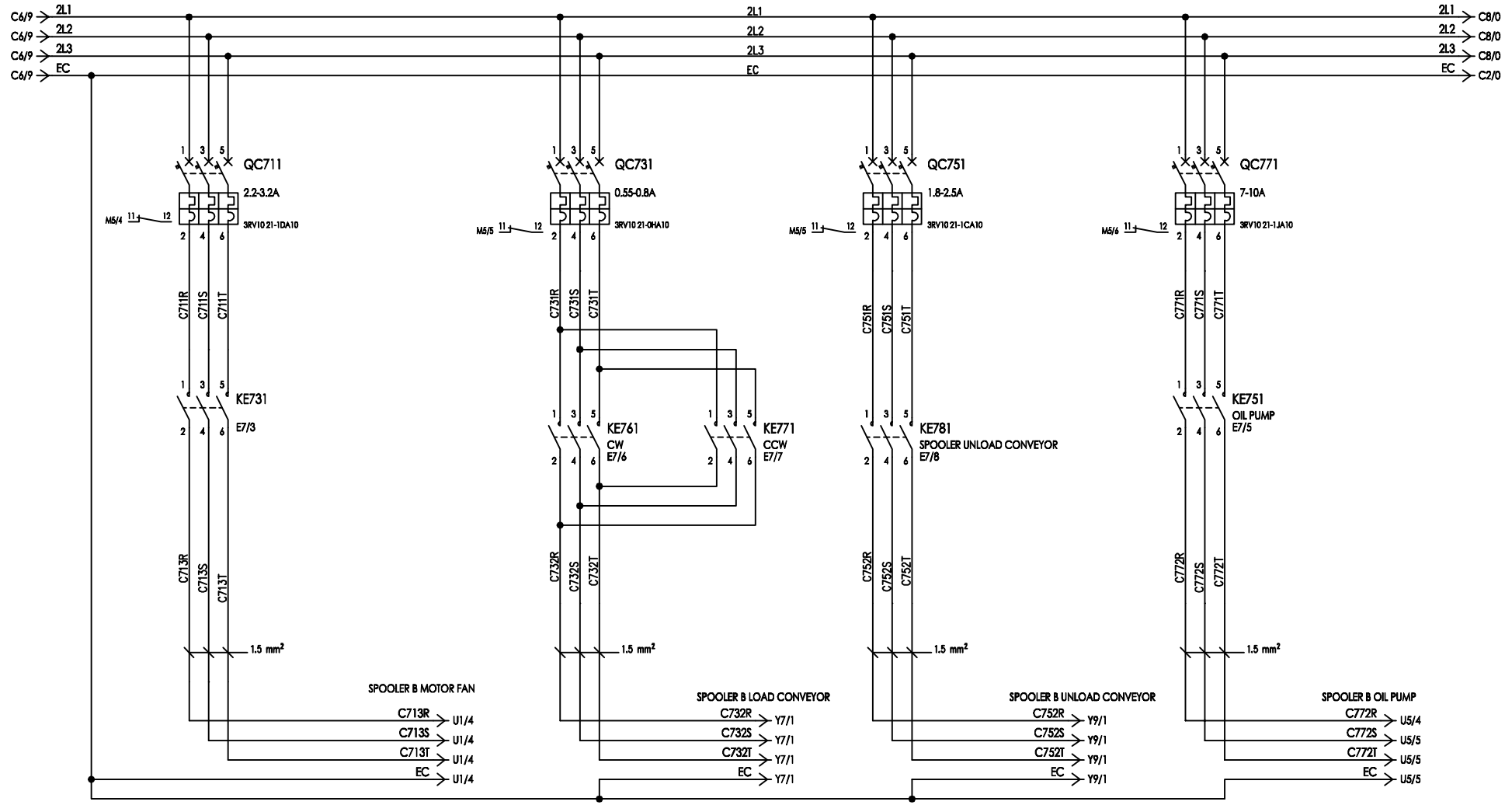
P	1.32KW
V	400V
I	2.9A
Freq.	50Hz

P	0.18KW
V	400V
I	0.74A
Freq.	50Hz

P	0.75KW
V	400V
I	2.05A
Freq.	50Hz

P	3KW
V	400V
I	7.5A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A CAPSTAN MOTOR FAN	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet C6
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow C7



P	1.32KW
V	400V
I	2.9A
Freq.	50Hz

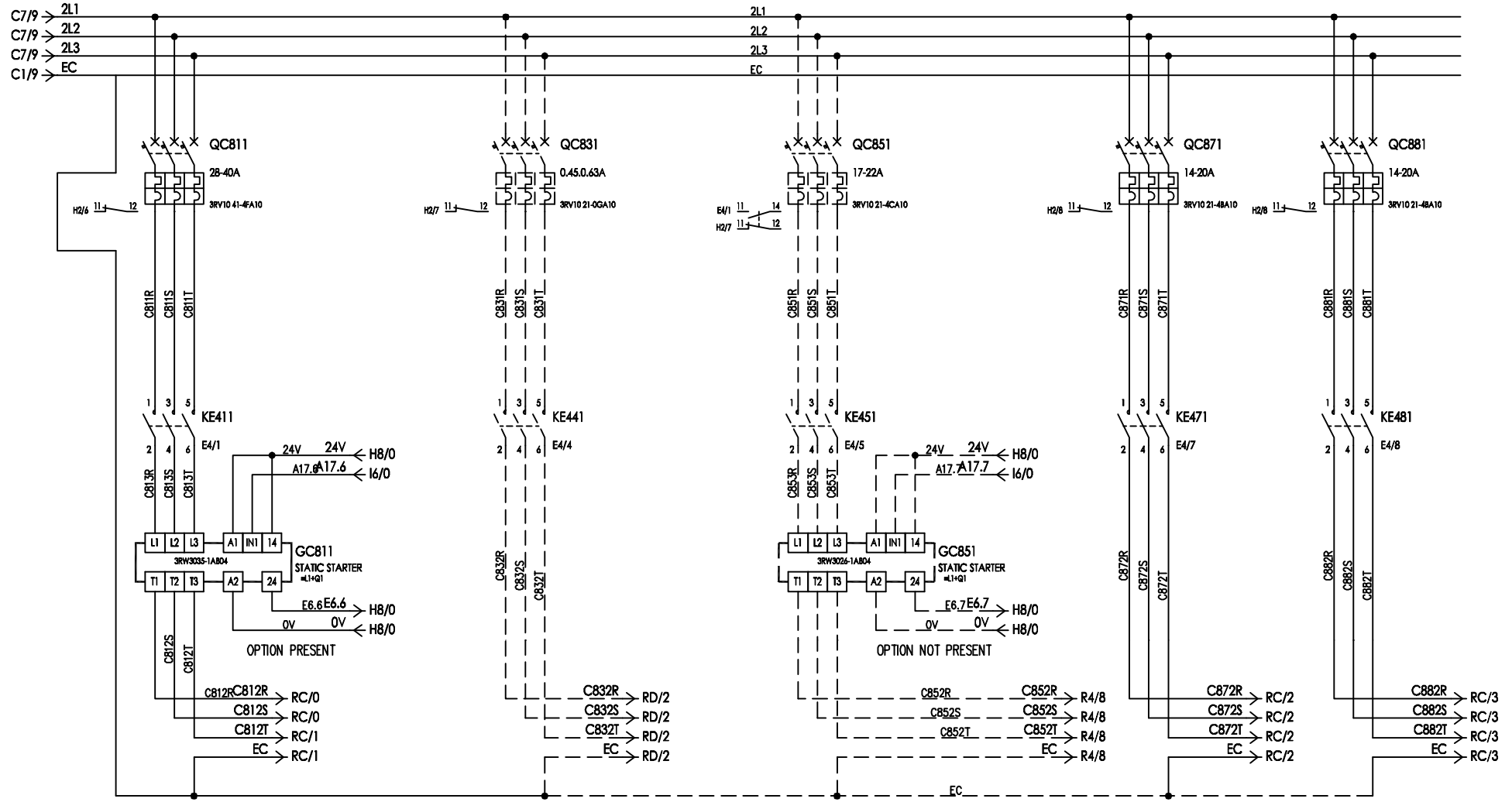
P	0.18KW
V	400V
I	0.71A
Freq.	50Hz

P	0.75KW
V	400V
I	2.05A
Freq.	50Hz

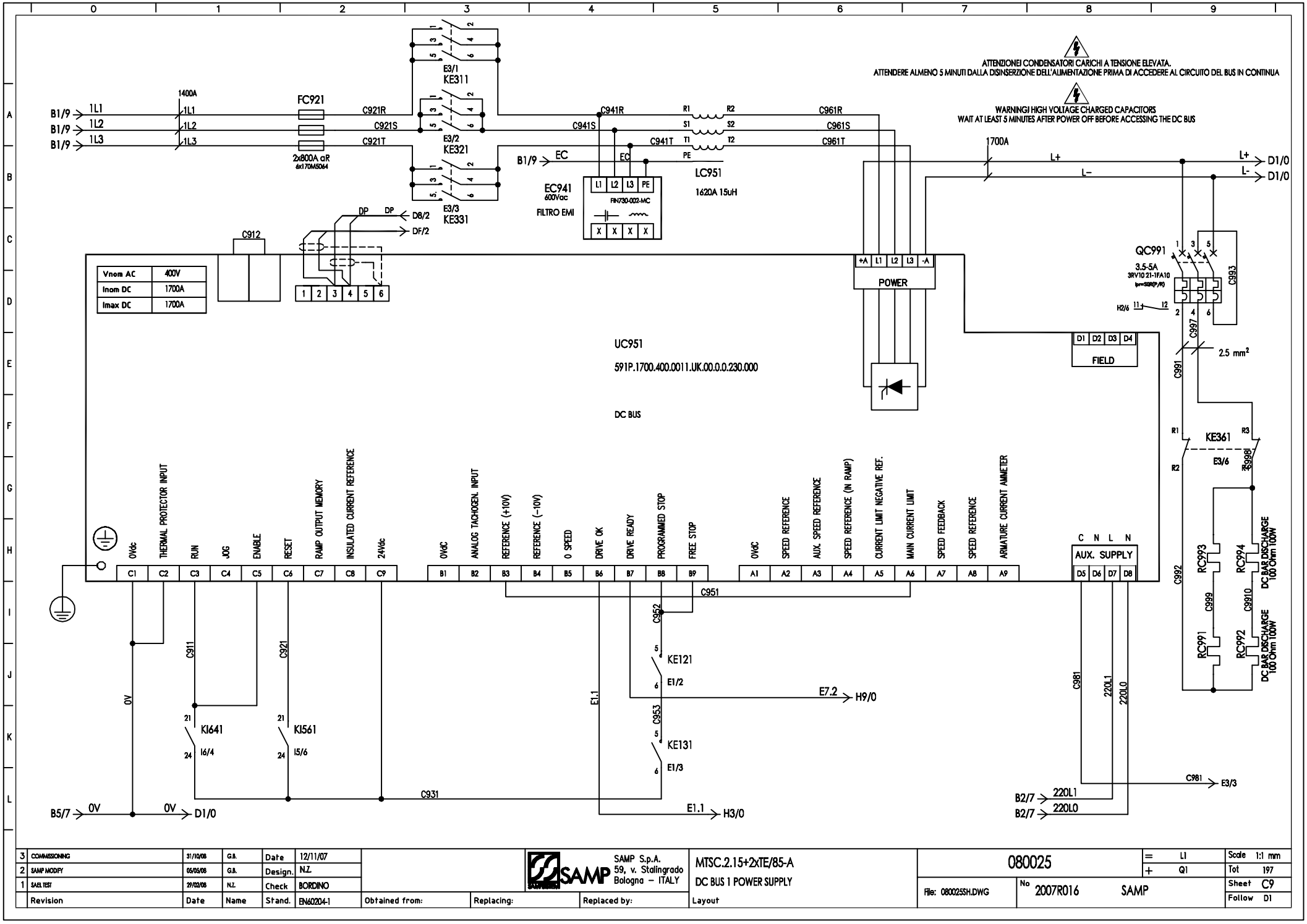
P	3KW
V	400V
I	6.6A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			OIL UNIT AC MOTORS AND HEATING		+ Q1
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	

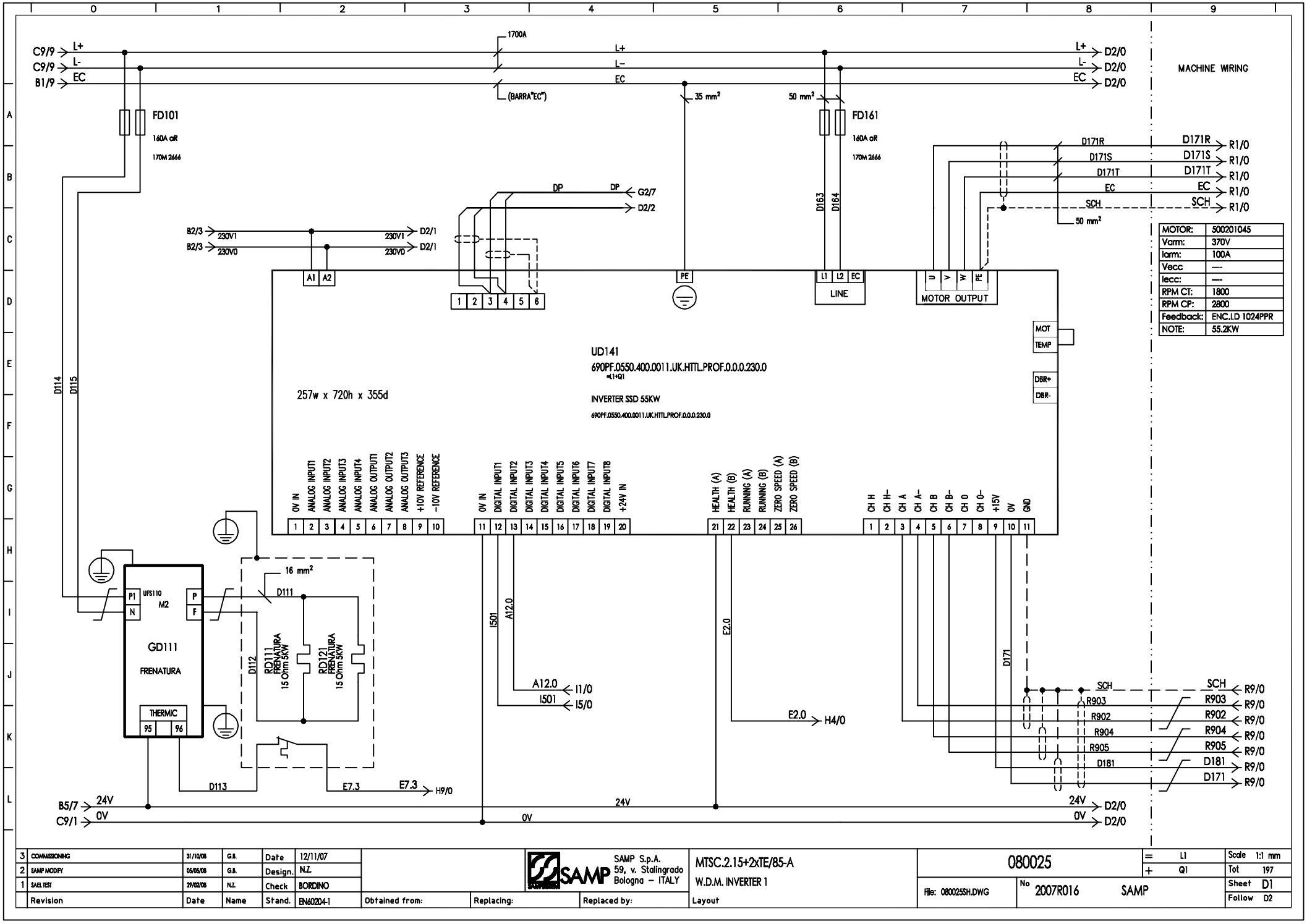
Scale 1:1 mm | Tot 197 | Sheet C7 | Follow C8



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			OIL UNIT AC MOTORS		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet C8
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow C9



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A DC BUS 1 POWER SUPPLY	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet C9
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow D1



MOTOR:	500201045
Varm:	370V
Iarm:	100A
Vecc	---
Iecc:	---
RPM CT:	1800
RPM CP:	2800
Feedback:	ENC.LD 1024PPR
NOTE:	55.2KW

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO
	Revision	Date	Name	Stand.	EN60204-1

Obtained from: | Replacing: | Replaced by:

SAMP S.p.A.
59, v. Stalingrado
Bologna – ITALY

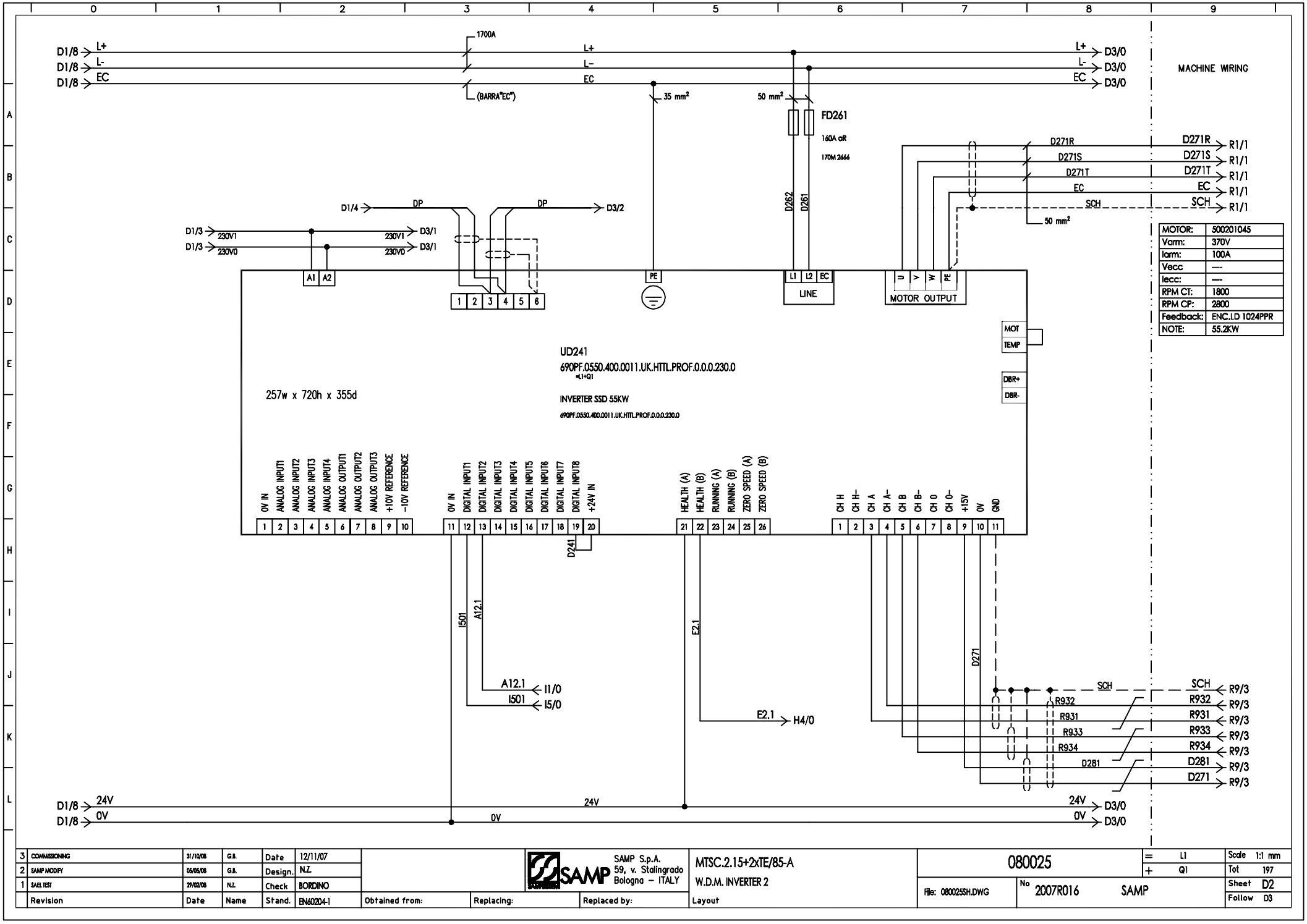
MTSC.2.15+2xTE/85-A
W.D.M. INVERTER 1
Layout

080025

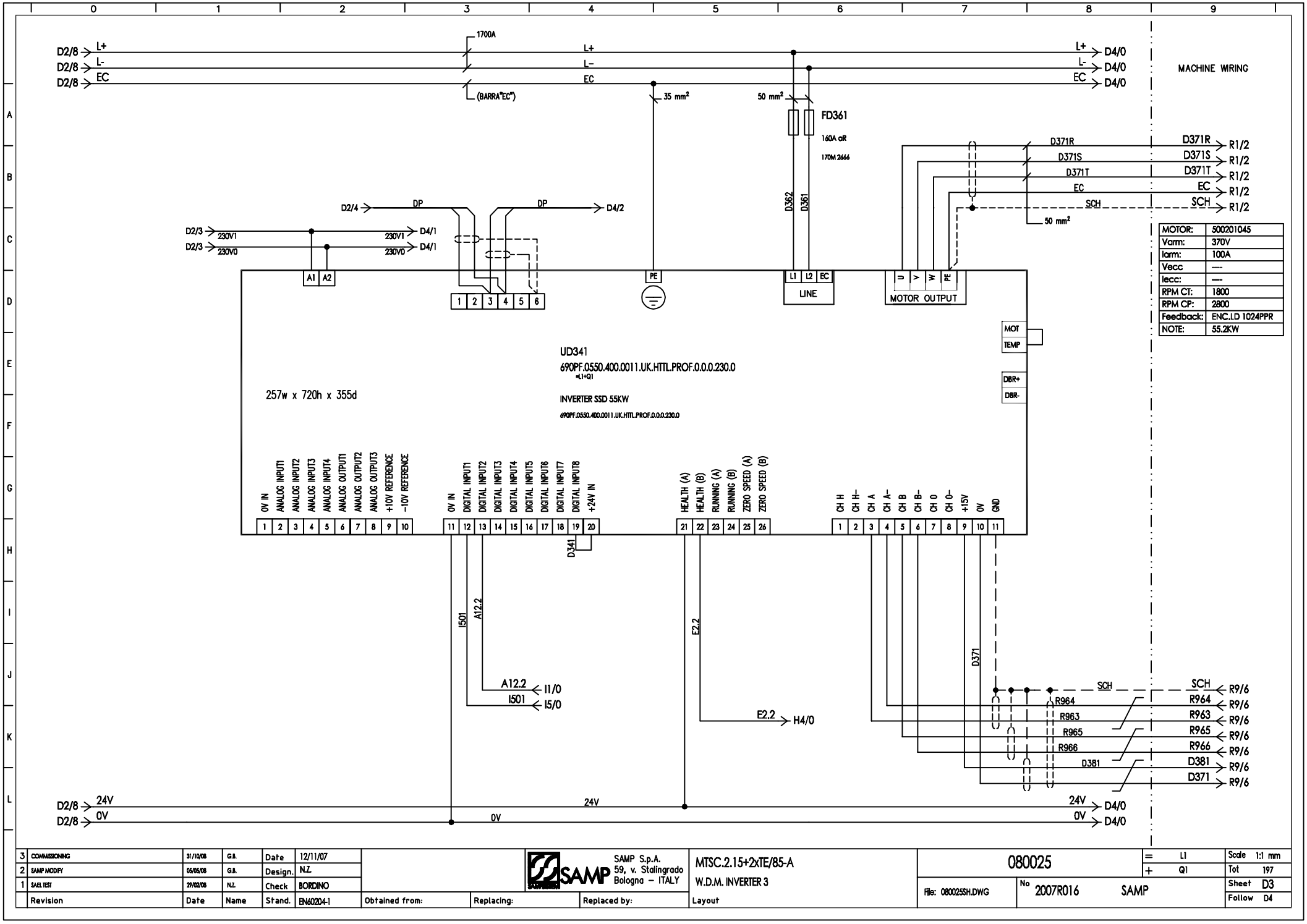
File: 080025SH.DWG | No 2007R016 | SAMP

= L1
+ Q1

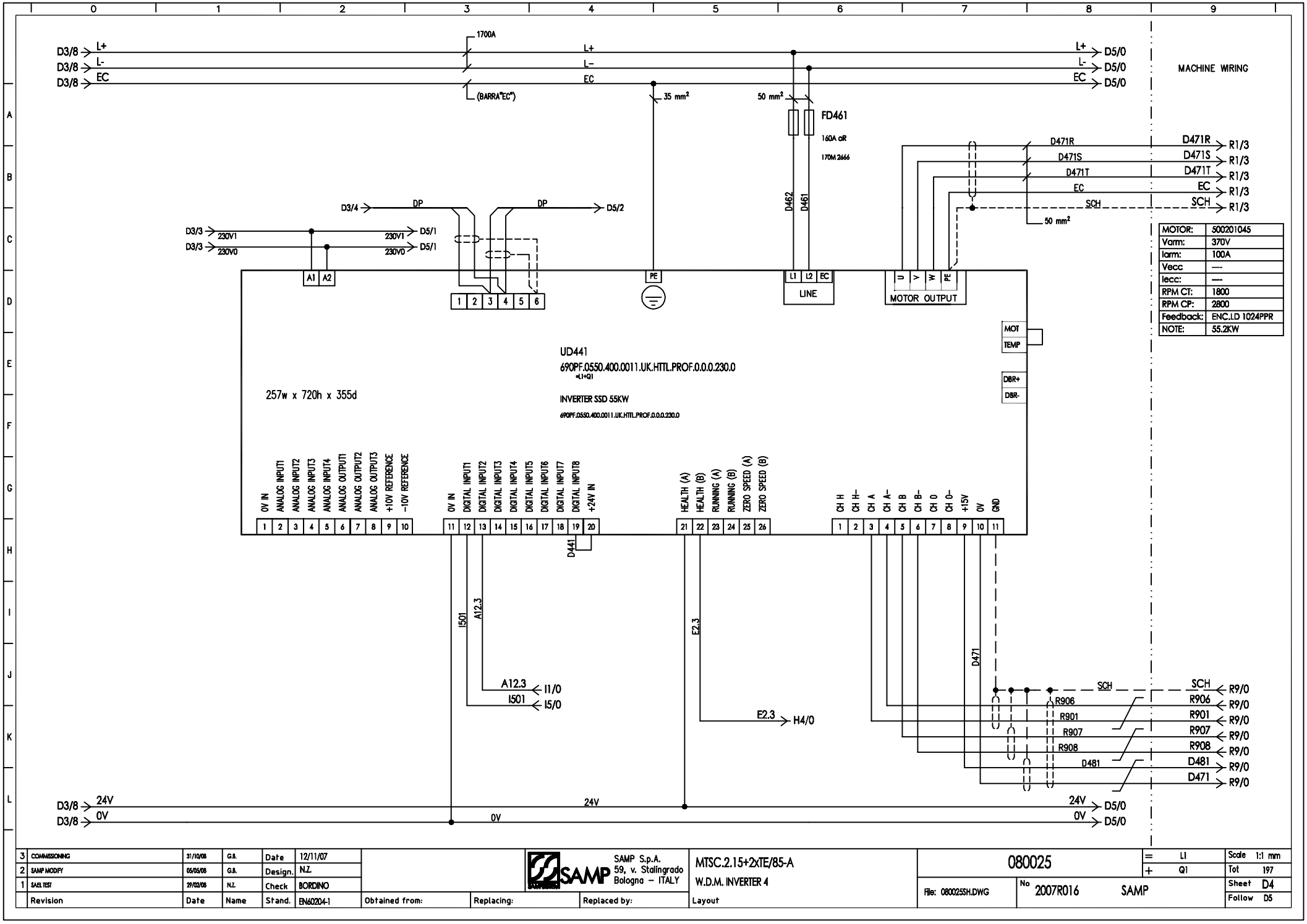
Scale 1:1 mm
Tot 197
Sheet D1
Follow D2



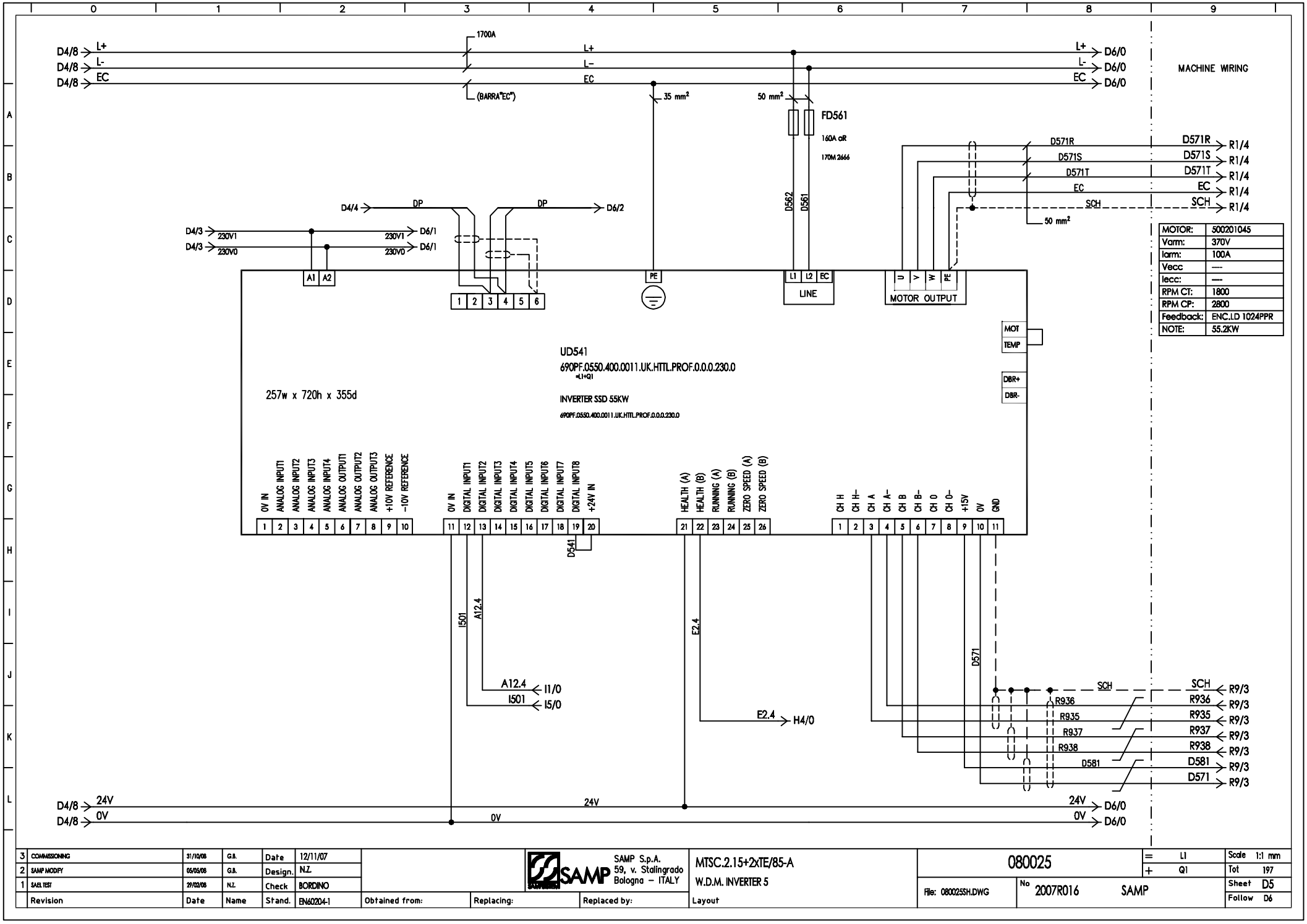
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 2	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet D2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow D3



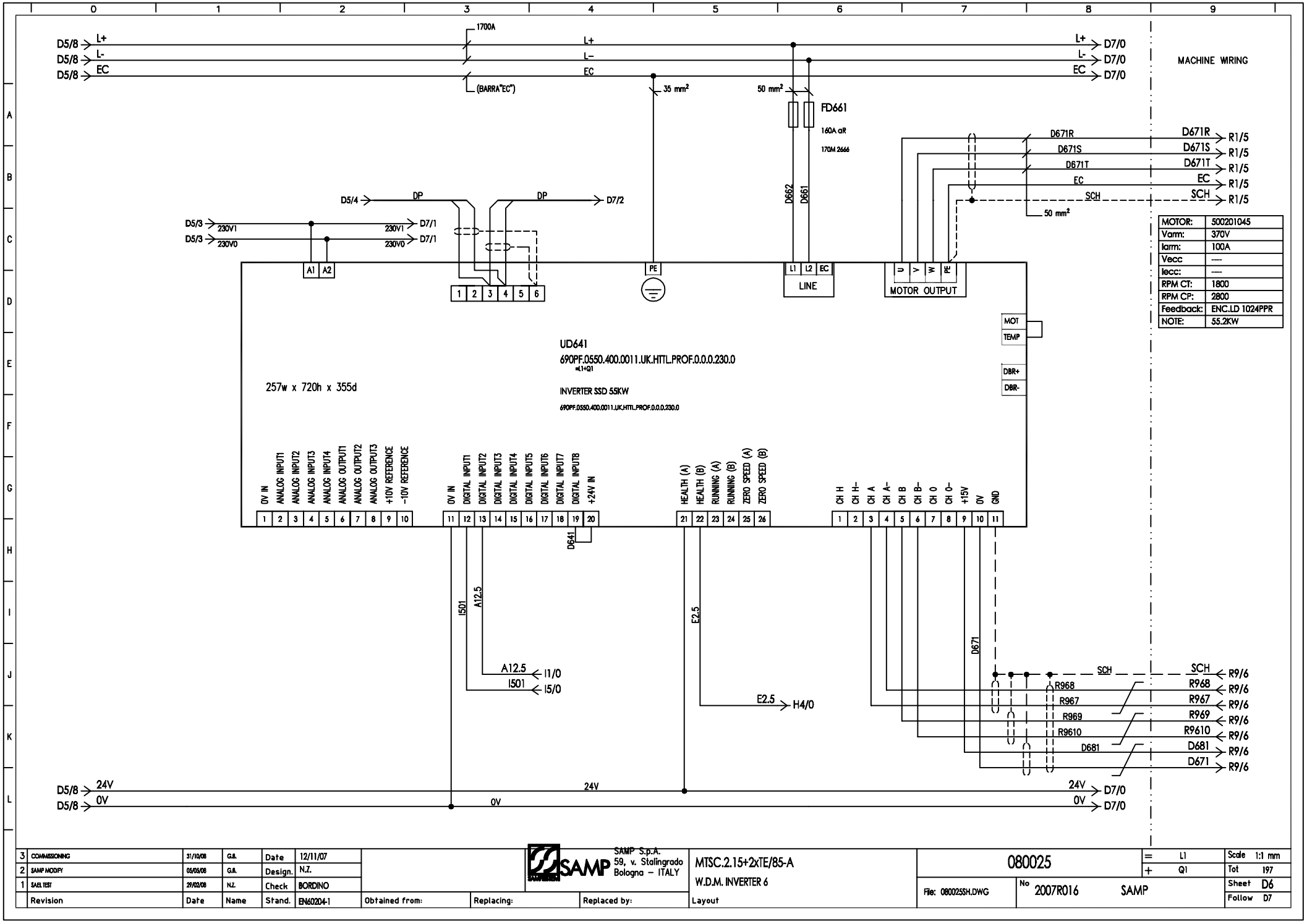
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 3	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet D3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow D4



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 4	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet D4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow D5



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 5	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet D5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow D6



MOTOR:	500201045
Varm:	370V
Iarm:	100A
Vecc	----
Iecc:	----
RPM CT:	1800
RPM CP:	2800
Feedback:	ENC.LD 1024PPR
NOTE:	55.2KW

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO
	Revision	Date	Name	Stand.	EN60204-1

Obtained from: | Replacing: | Replaced by:

SAMP S.p.A.
59, v. Stalingrado
Bologna – ITALY

MTSC.2.15+2xTE/85-A
W.D.M. INVERTER 6
Layout

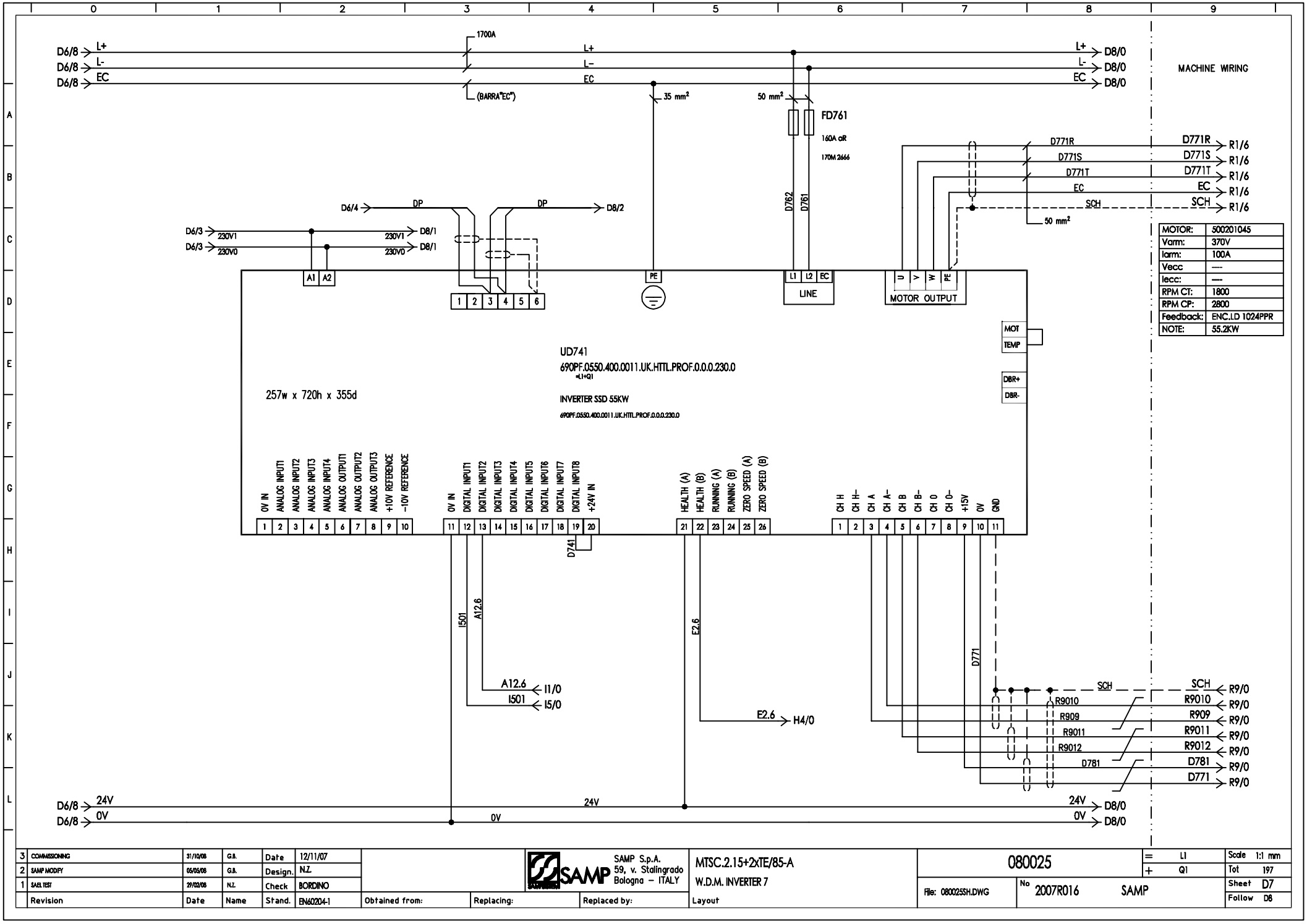
080025

File: 080025SH.DWG

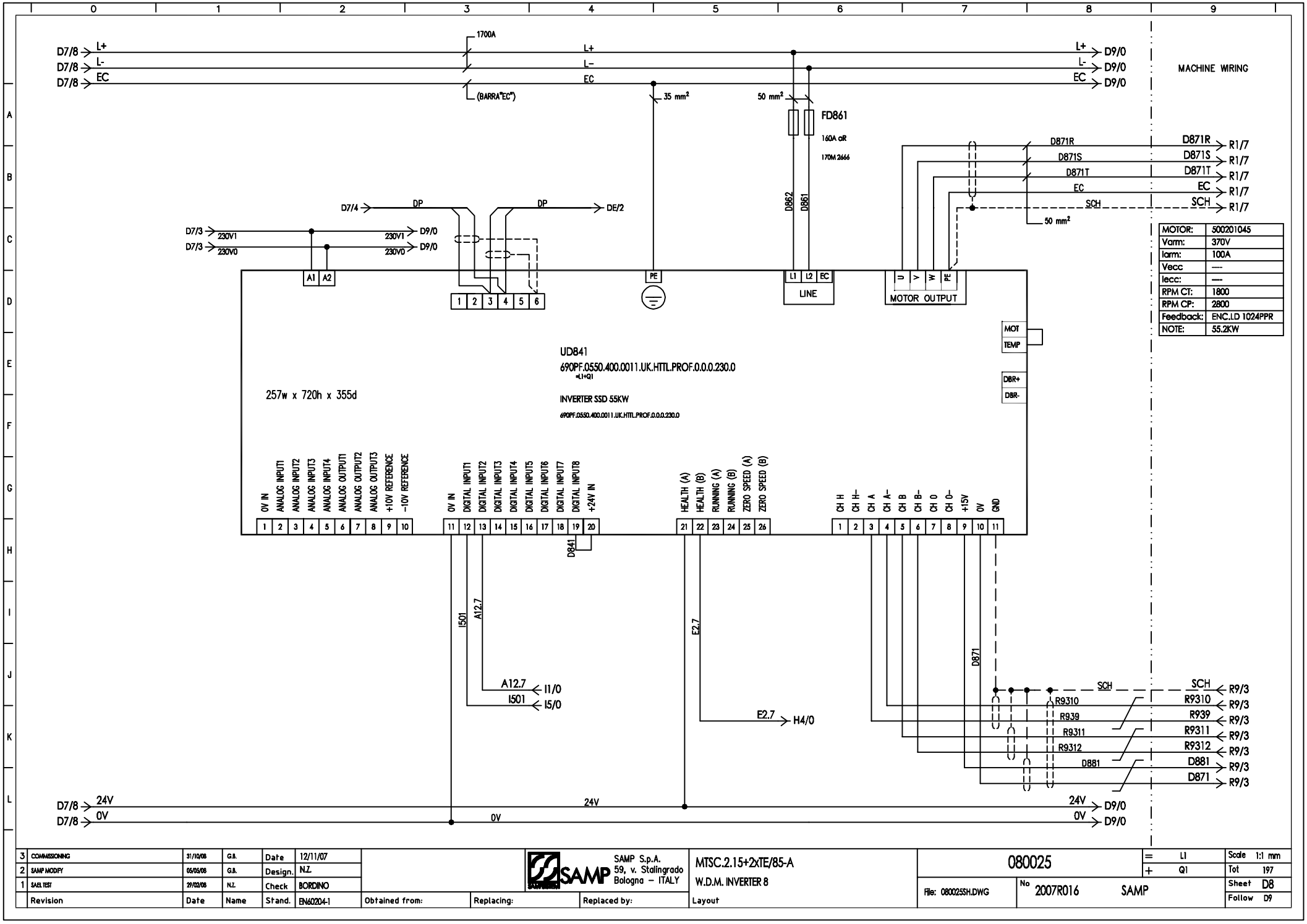
No 2007R016 SAMP

= L1
+ Q1

Scale 1:1 mm
Tot 197
Sheet D6
Follow D7



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 7	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet D7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow D8



MOTOR:	500201045
Varm:	370V
Iarm:	100A
Vecc	---
Iecc:	---
RPM CT:	1800
RPM CP:	2800
Feedback:	ENC.LD 1024PPR
NOTE:	55.2KW

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO
	Revision	Date	Name	Stand.	EN60204-1

Obtained from: | Replacing: | Replaced by:

SAMP S.p.A.
59, v. Stalingrado
Bologna – ITALY

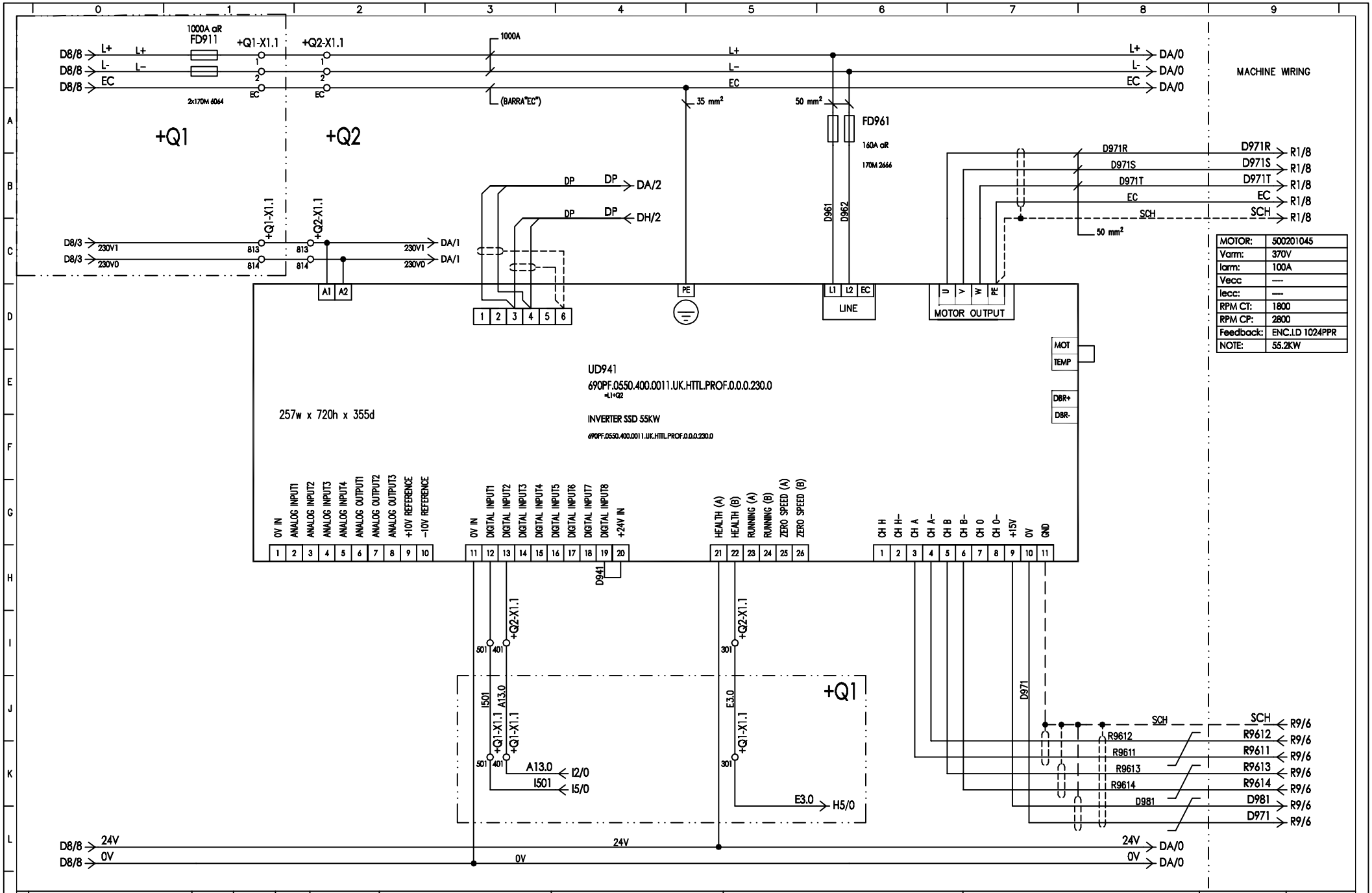
MTSC.2.15+2xTE/85-A
W.D.M. INVERTER 8
Layout

080025

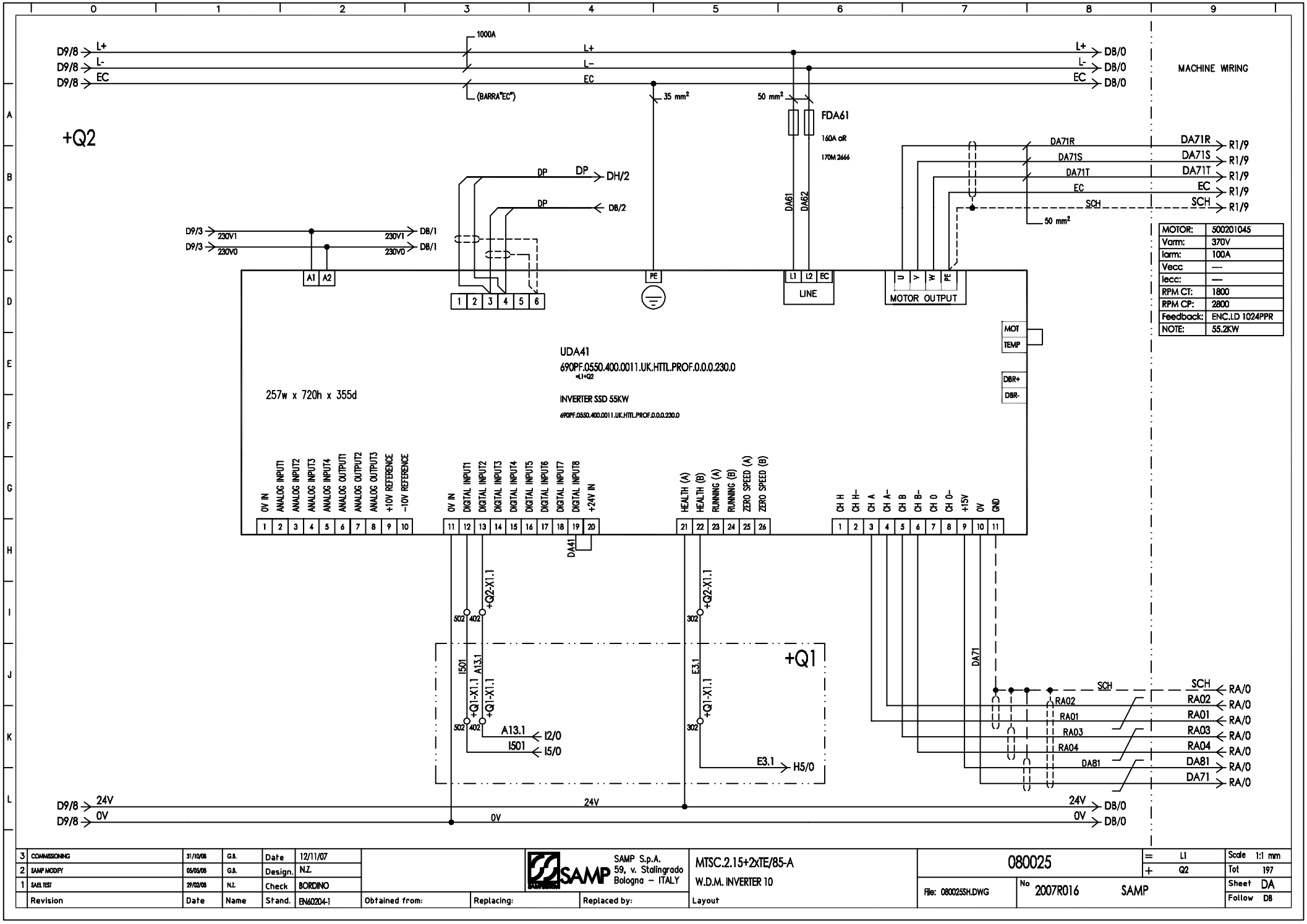
File: 080025SH.DWG | No 2007R016 | SAMP

= L1
+ Q1

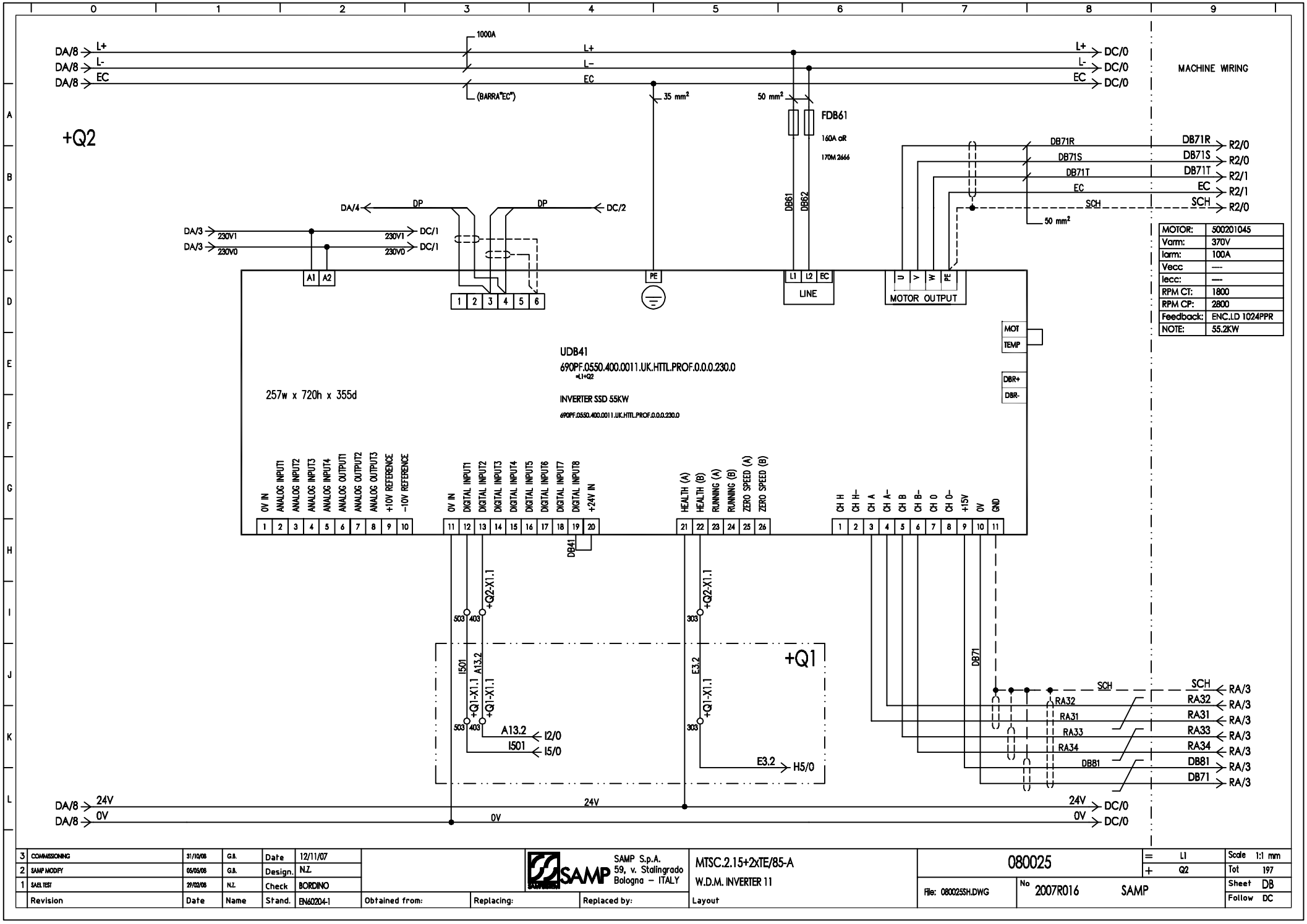
Scale 1:1 mm
Tot 197
Sheet D8
Follow D9



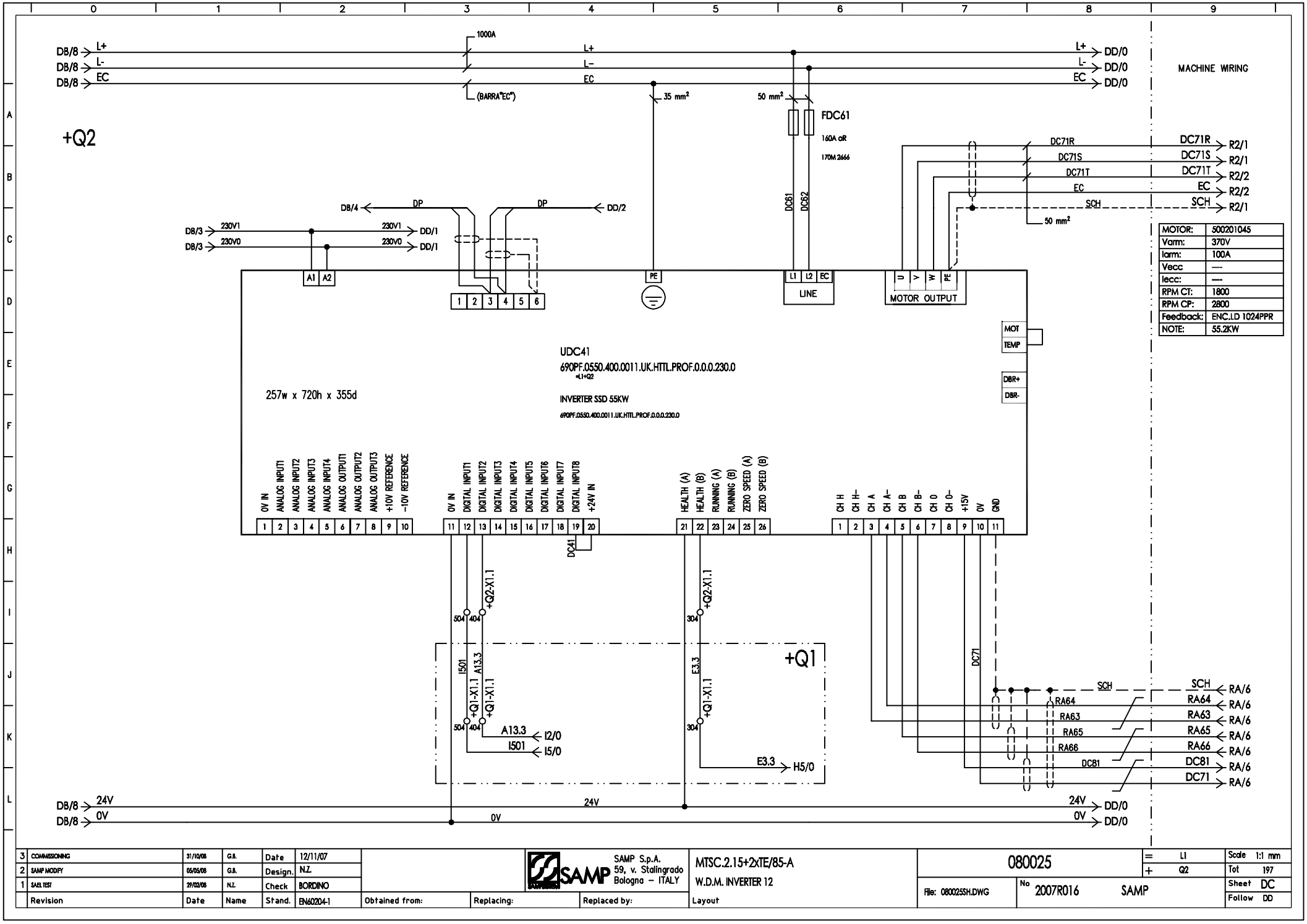
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 9	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.				+ Q2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet D9
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	Follow DA



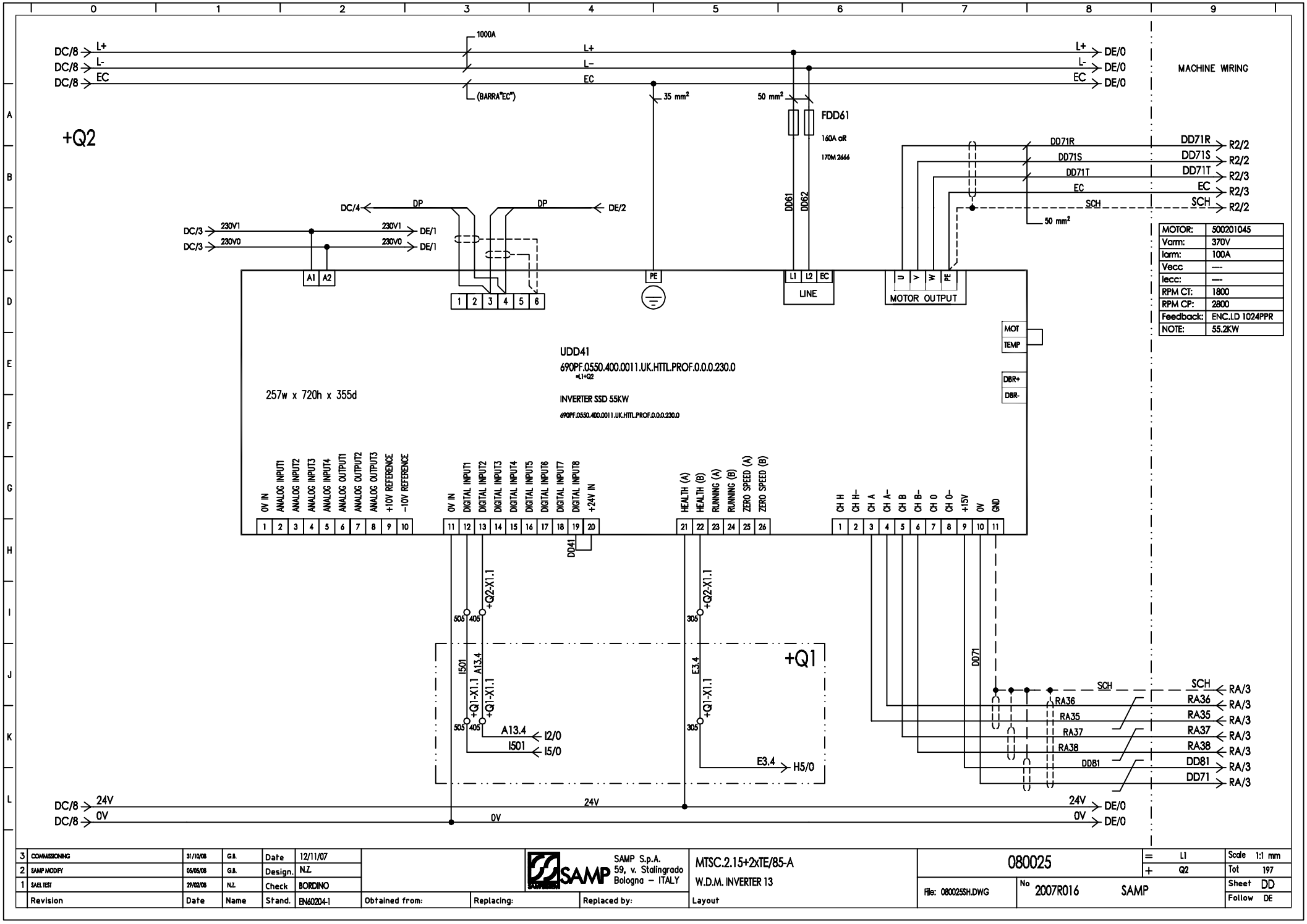
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 10	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.				+ Q2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet DA
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	Follow DB



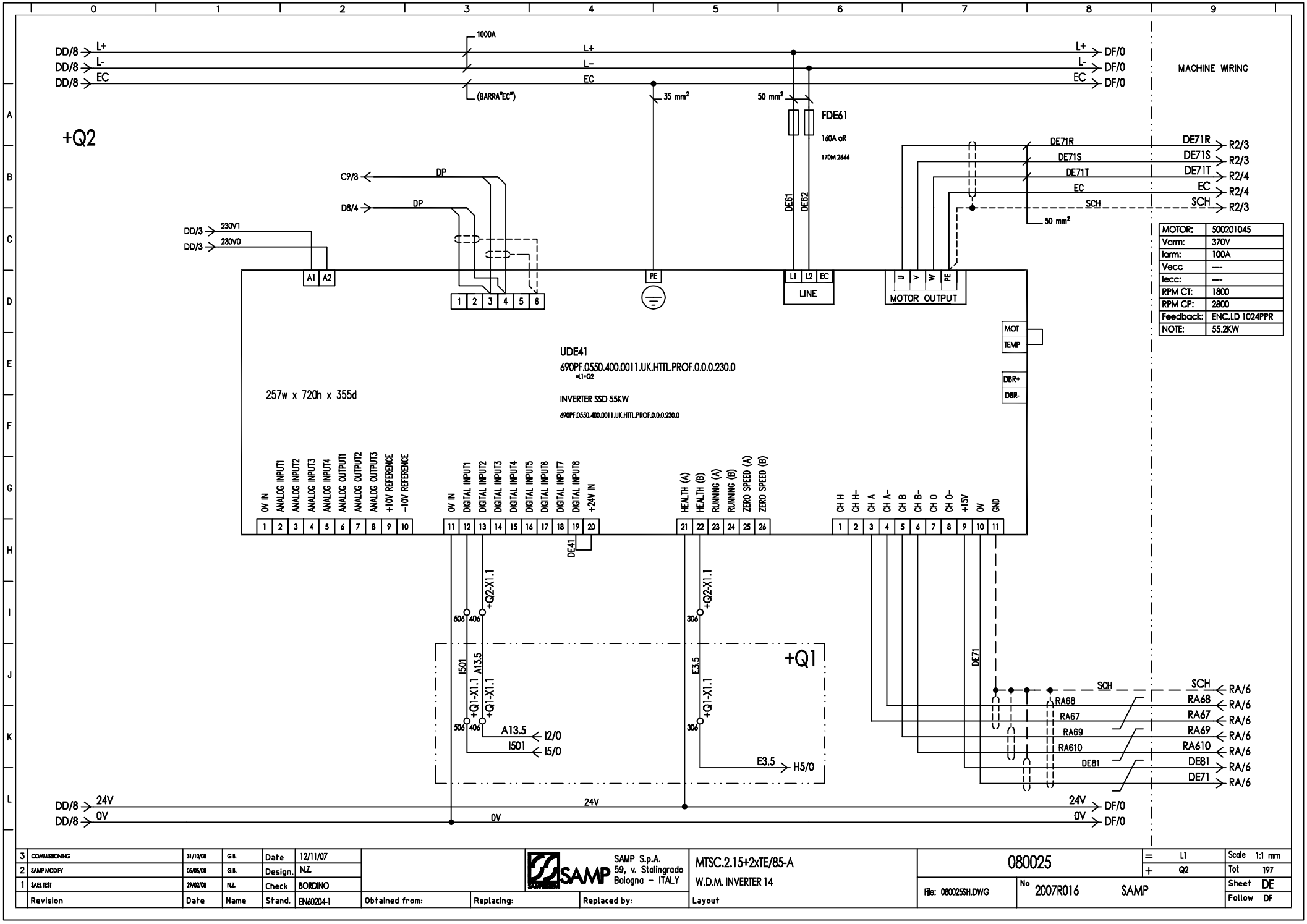
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 11	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet DB
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow DC



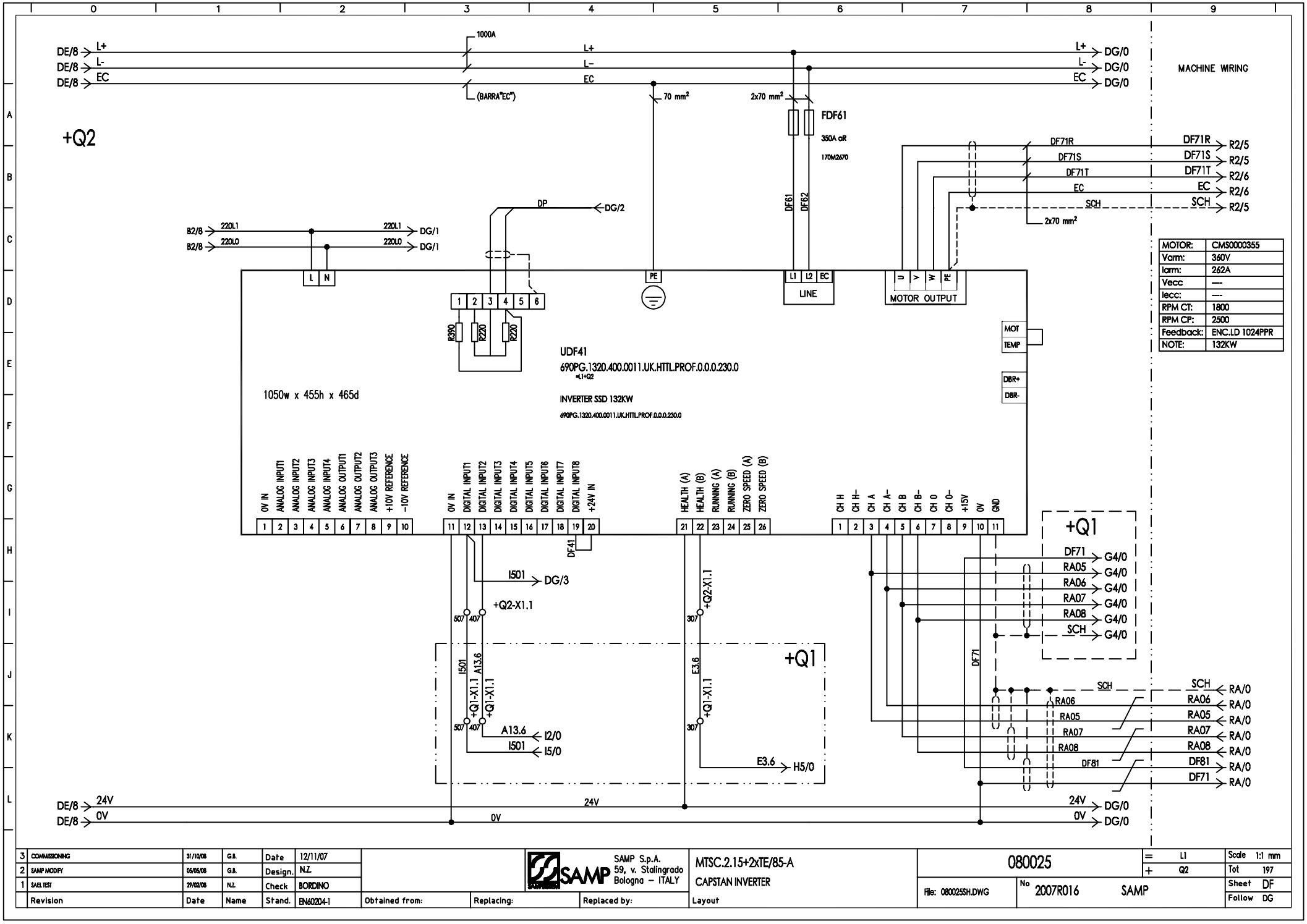
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 12	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet DC
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow DD



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 13	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.				+ Q2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet DD
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	Follow DE



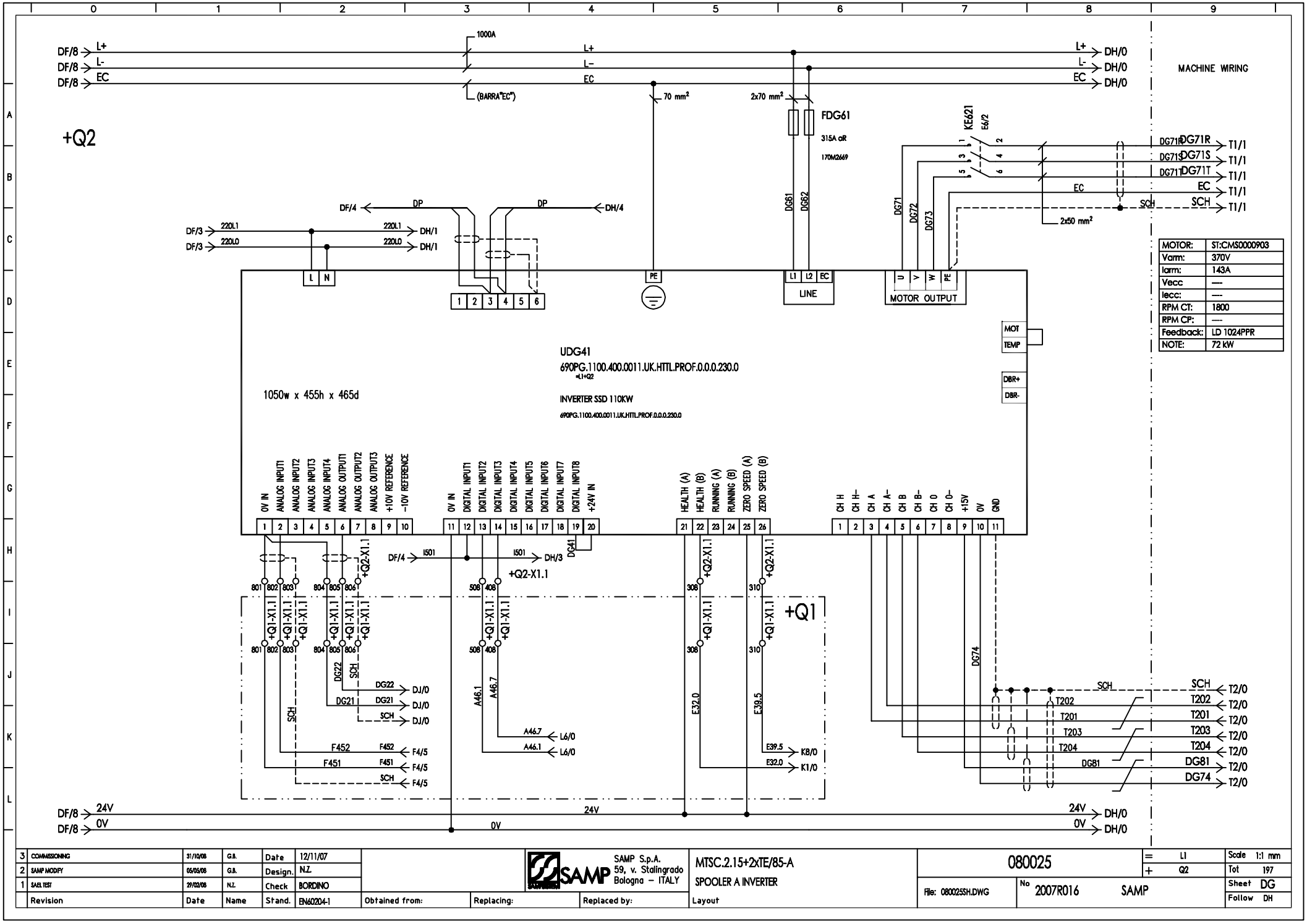
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. INVERTER 14	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.				+ Q2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet DE
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	Follow DF



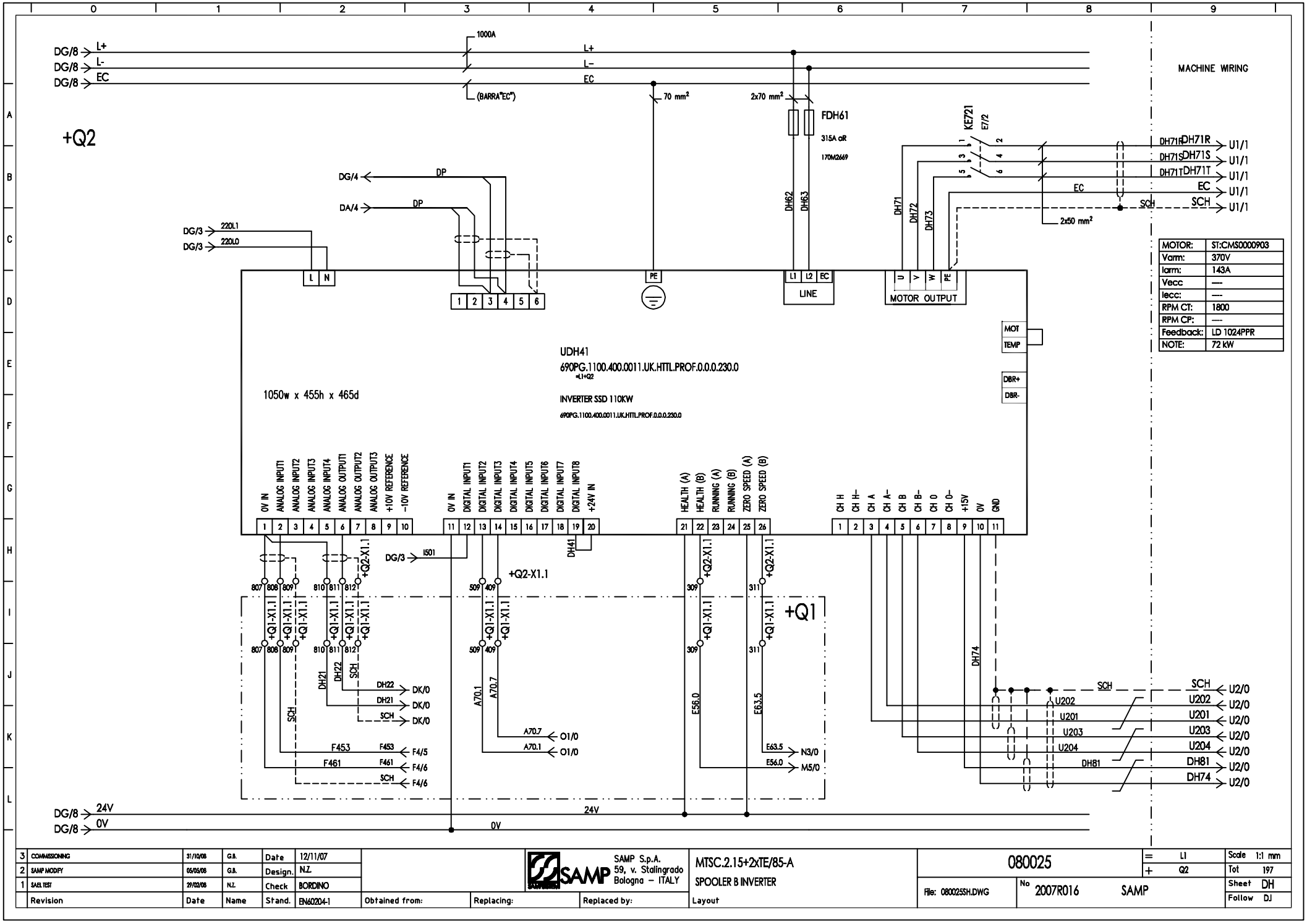
MOTOR:	CMS0000355
Varm:	360V
Iarm:	262A
Vecc	---
Iecc:	---
RPM CT:	1800
RPM CP:	2500
Feedback:	ENC.LD 1024PPR
NOTE:	132KW

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A CAPSTAN INVERTER	080025	= L1
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.				+ Q2
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout

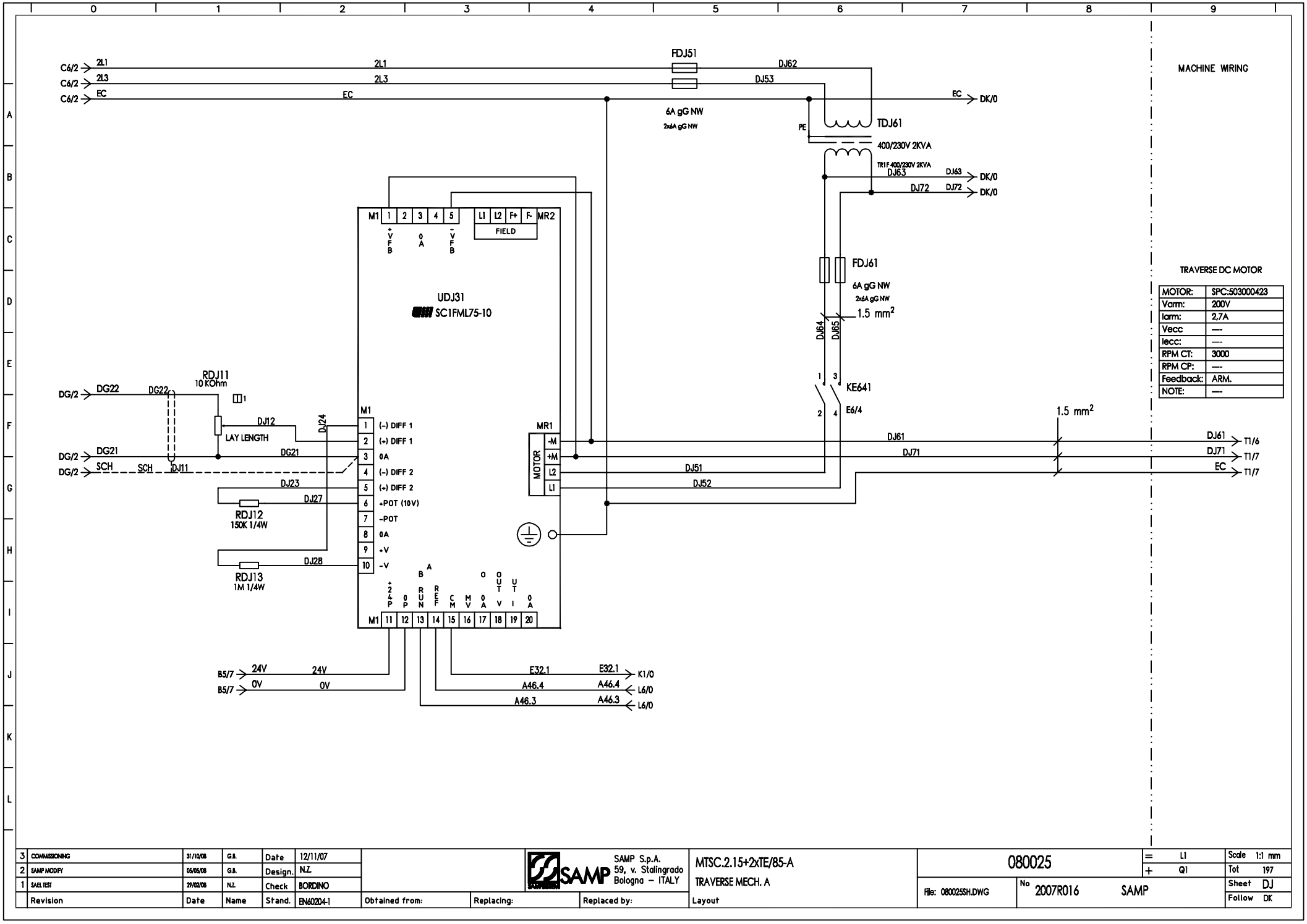
Scale 1:1 mm | Tot 197 | Sheet DF | Follow DG



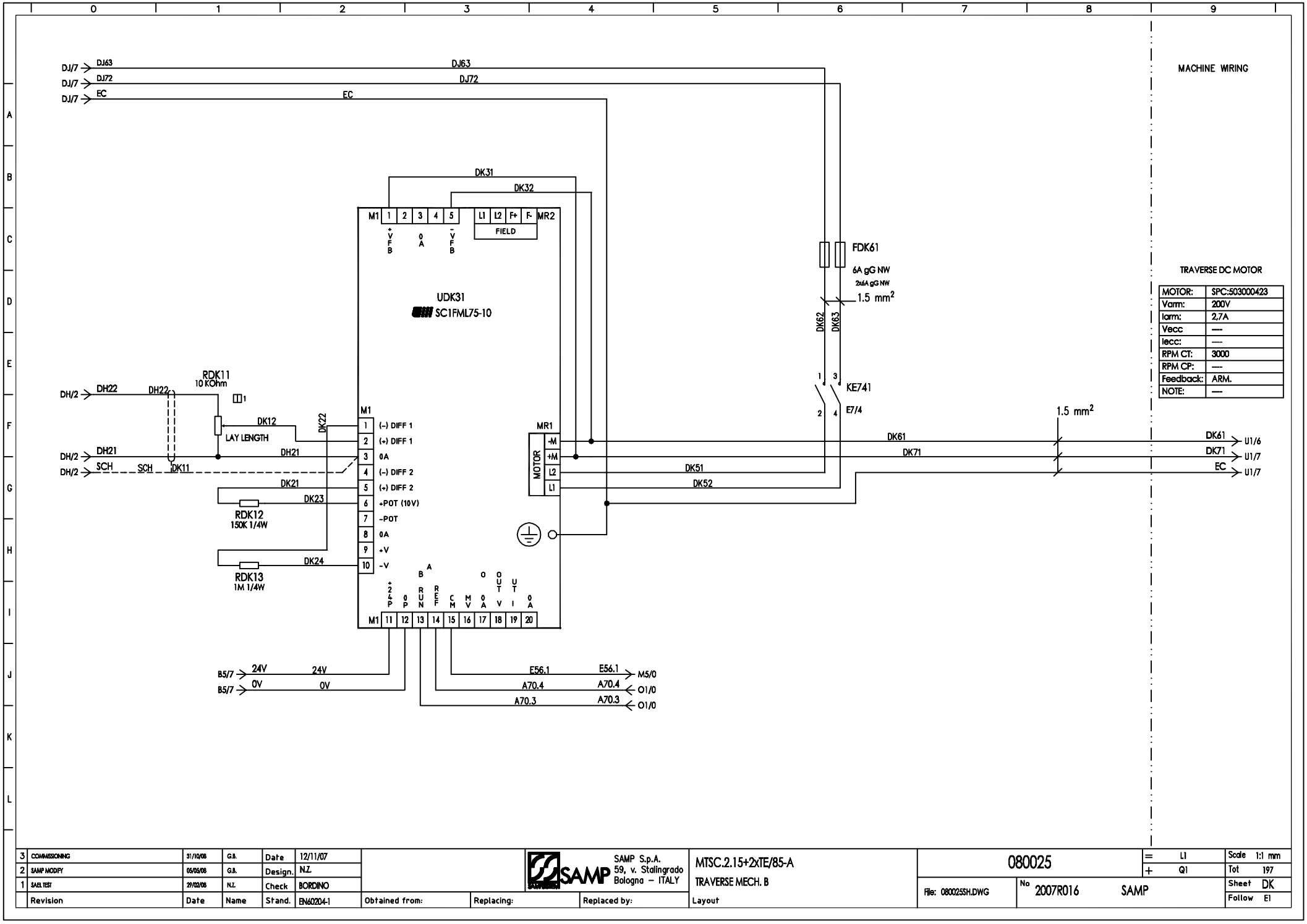
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A SPOOLER A INVERTER	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.				+ Q2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet DG
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	Follow DH



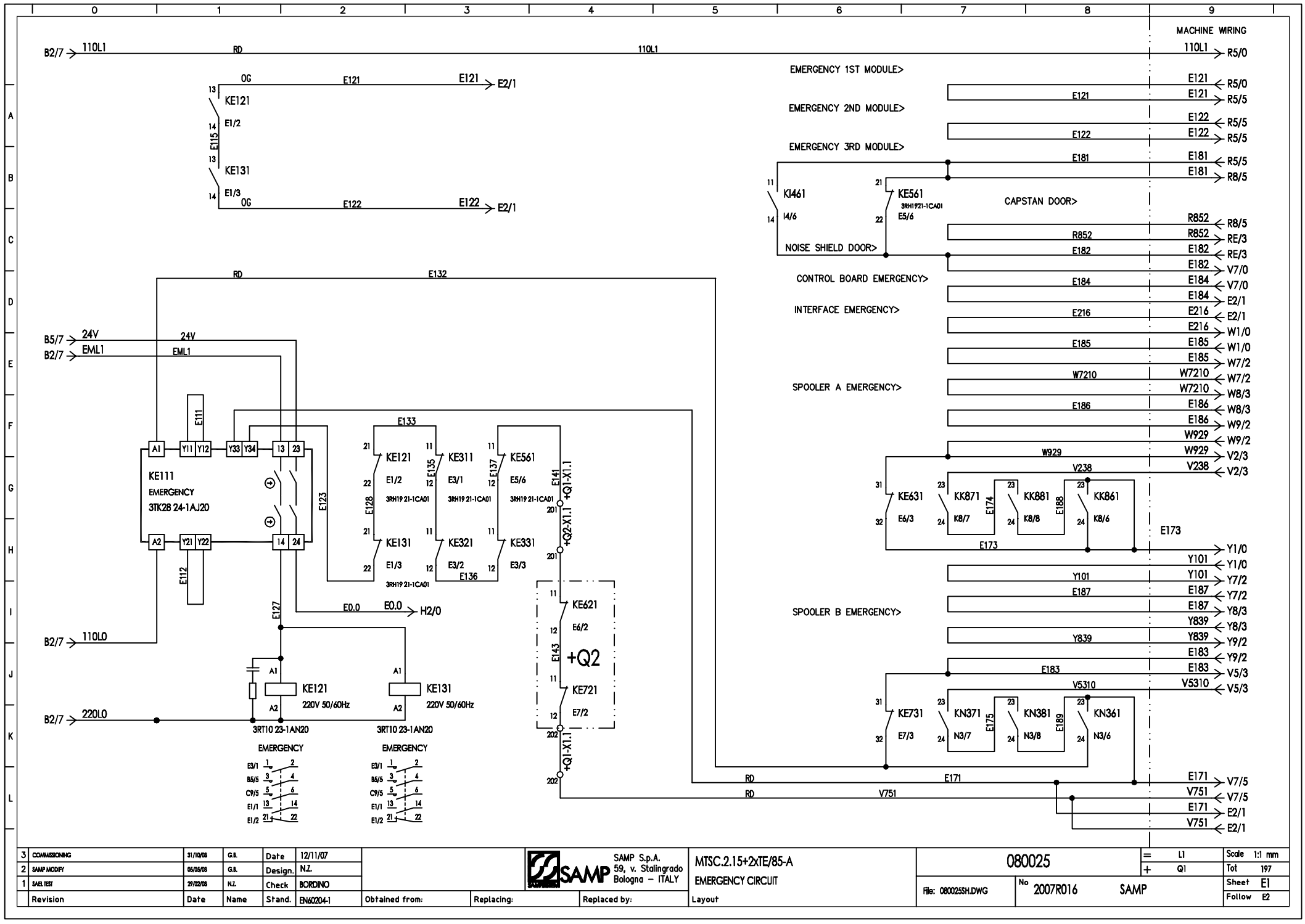
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet DH
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow DJ



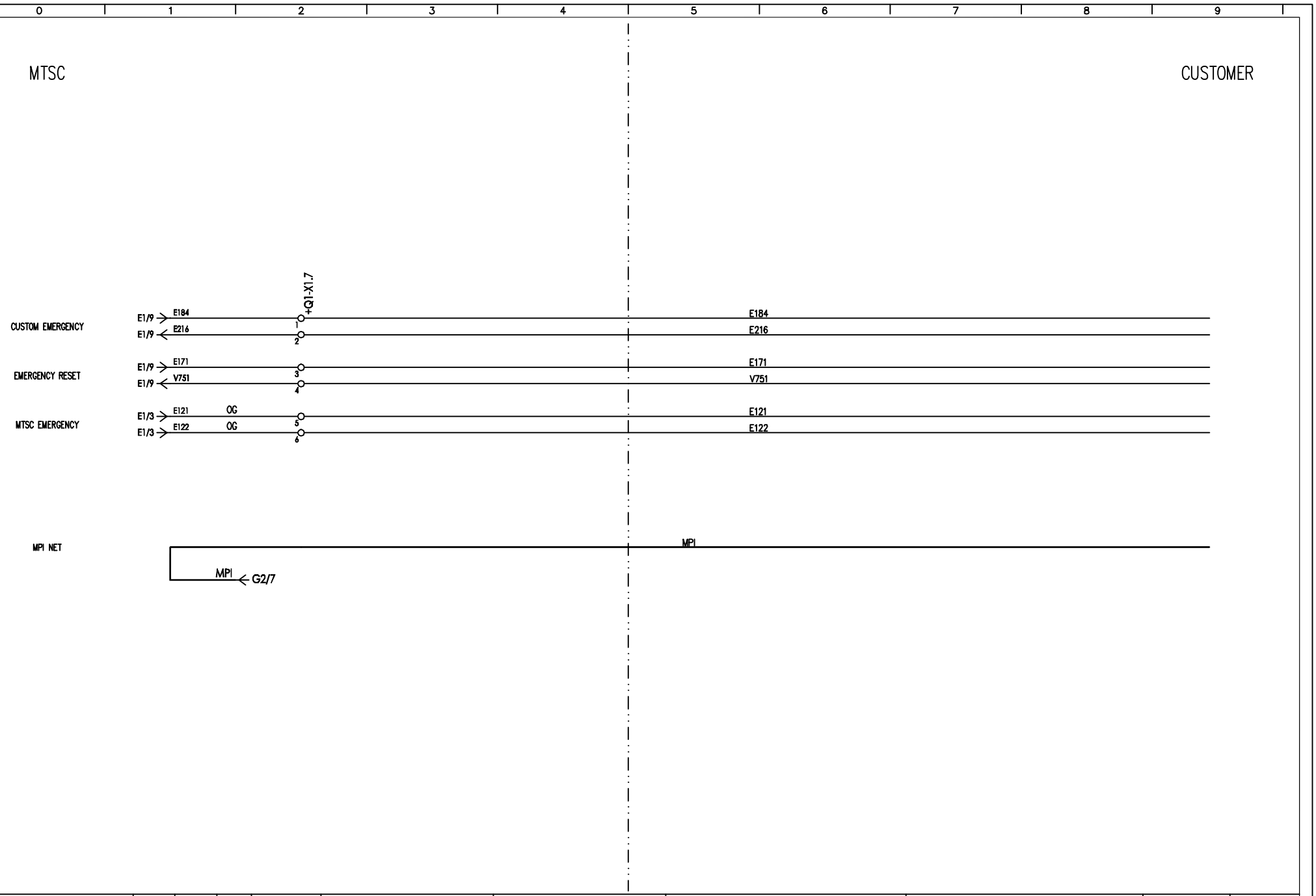
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			TRAVERSE MECH. A		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet DJ
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow DK



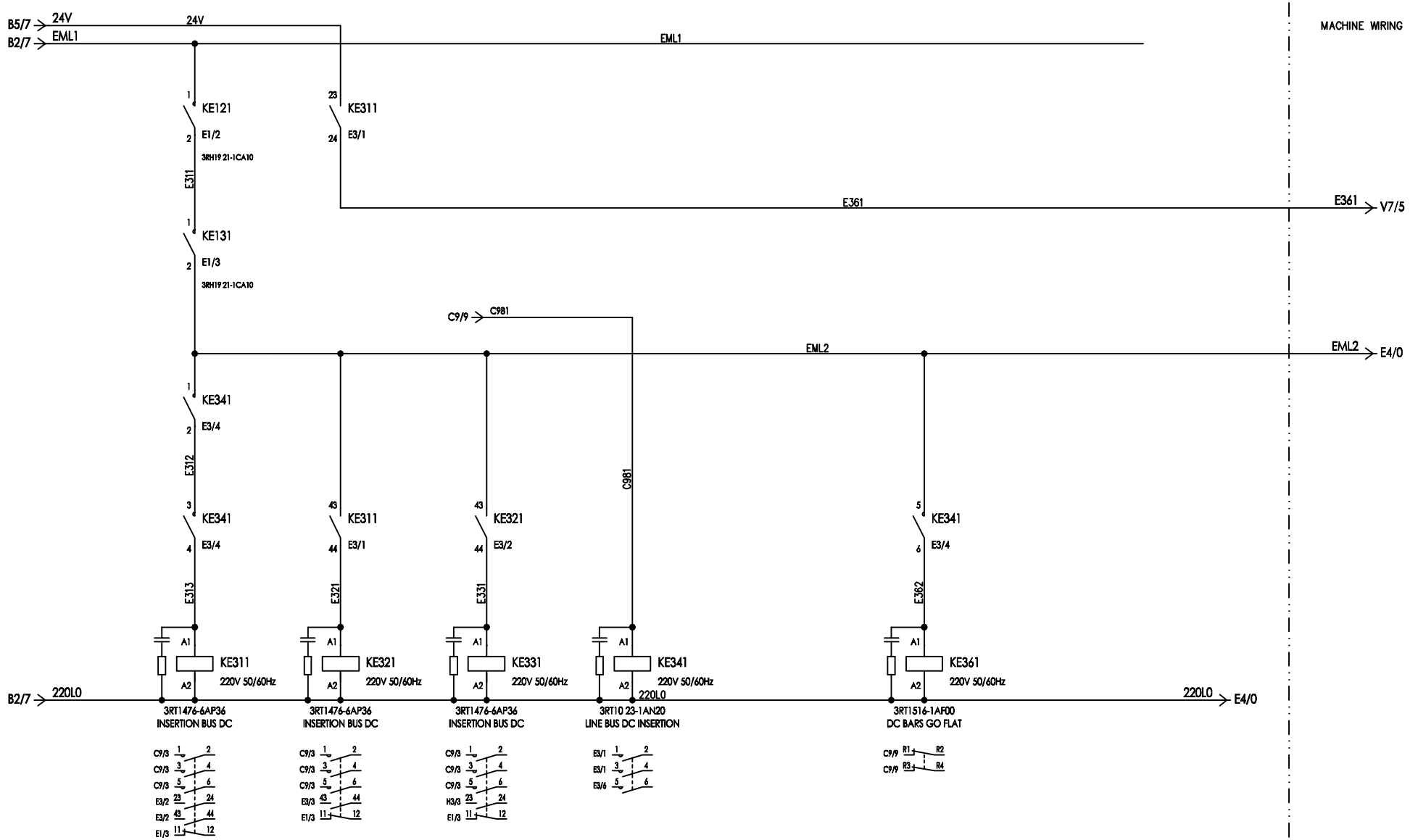
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			TRAVERSE MECH. B		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet DK
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow E1



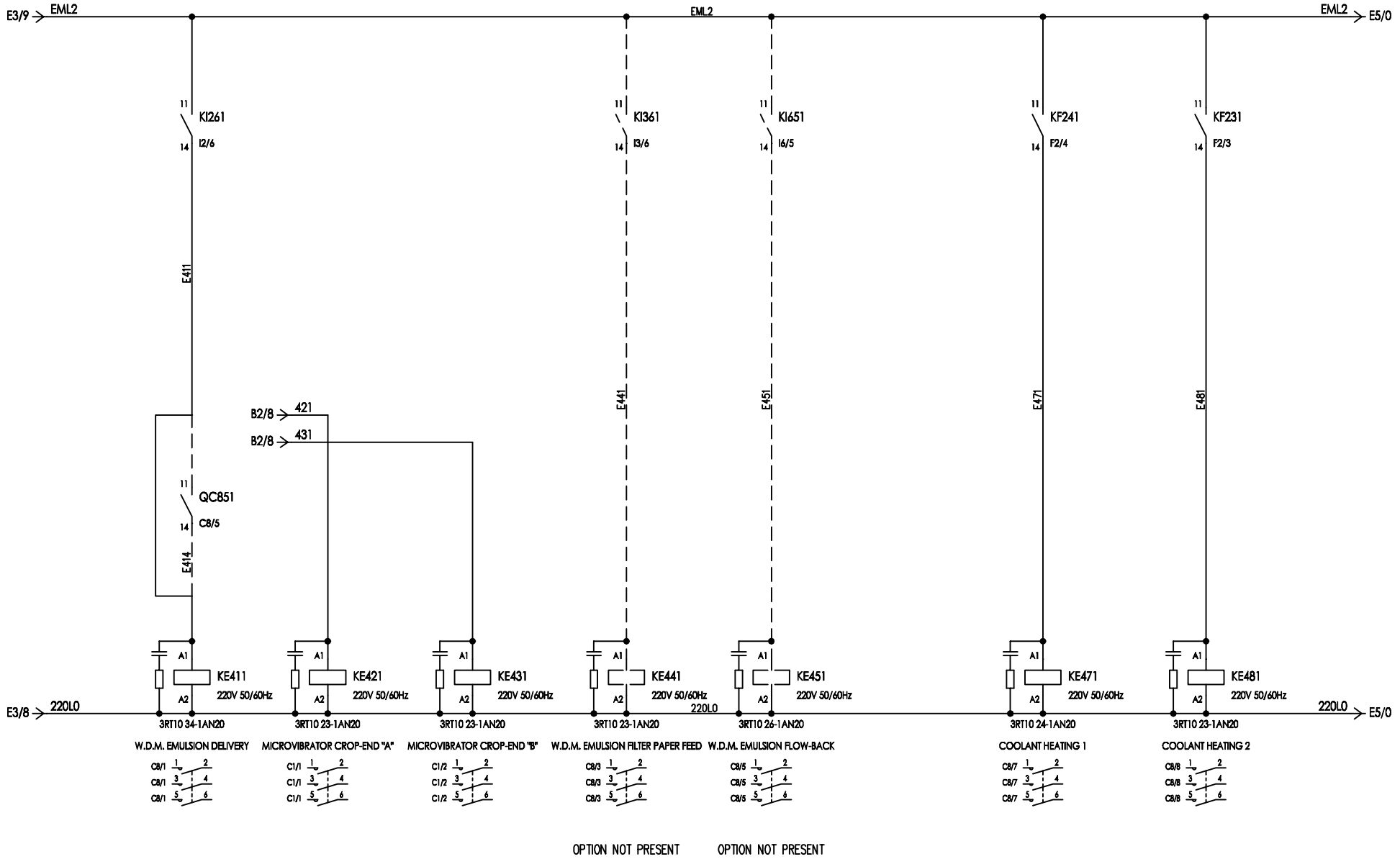
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			EMERGENCY CIRCUIT		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet E1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow E2



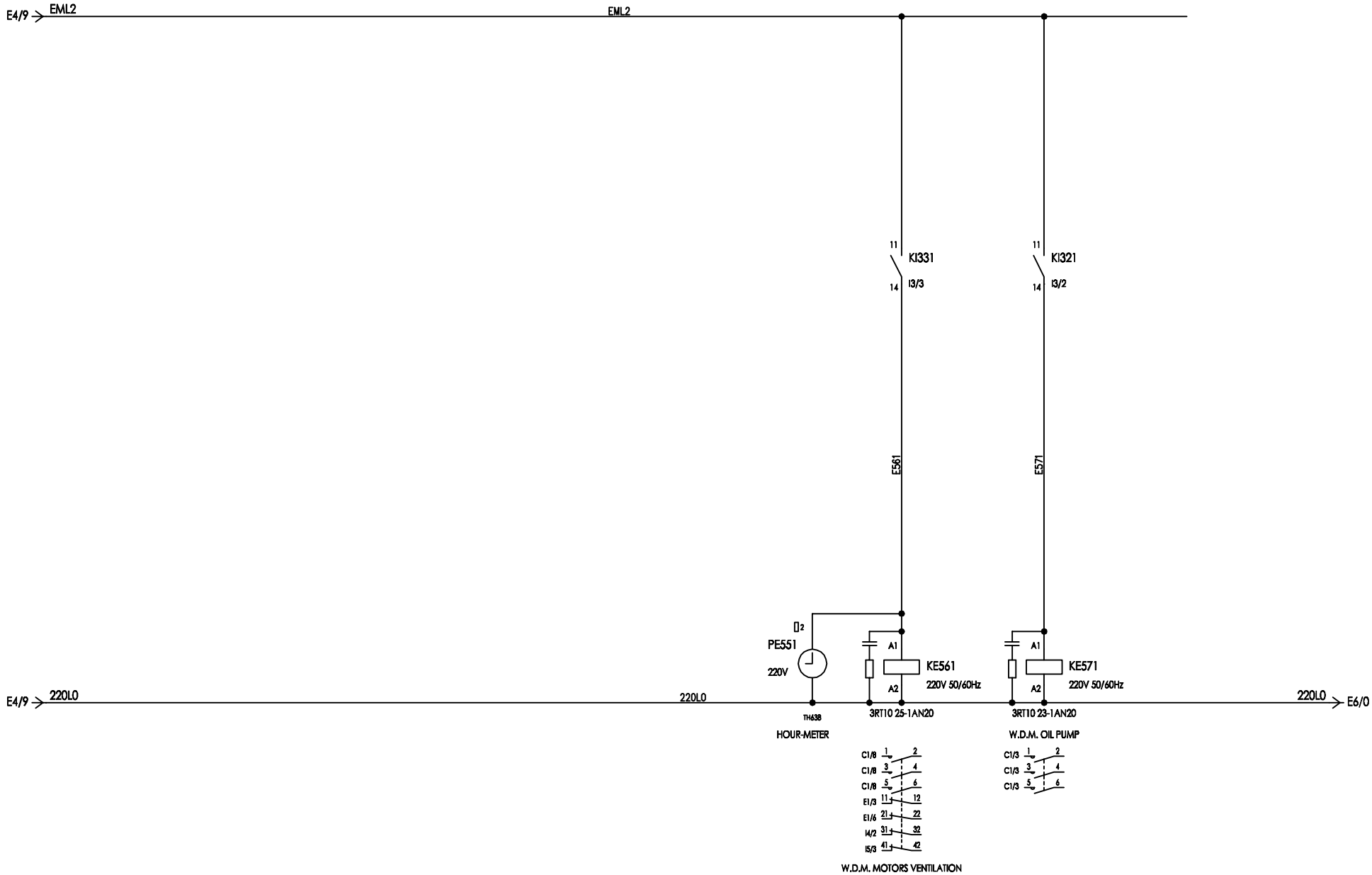
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			INTERFACE		+	Q1	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	E2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	E3



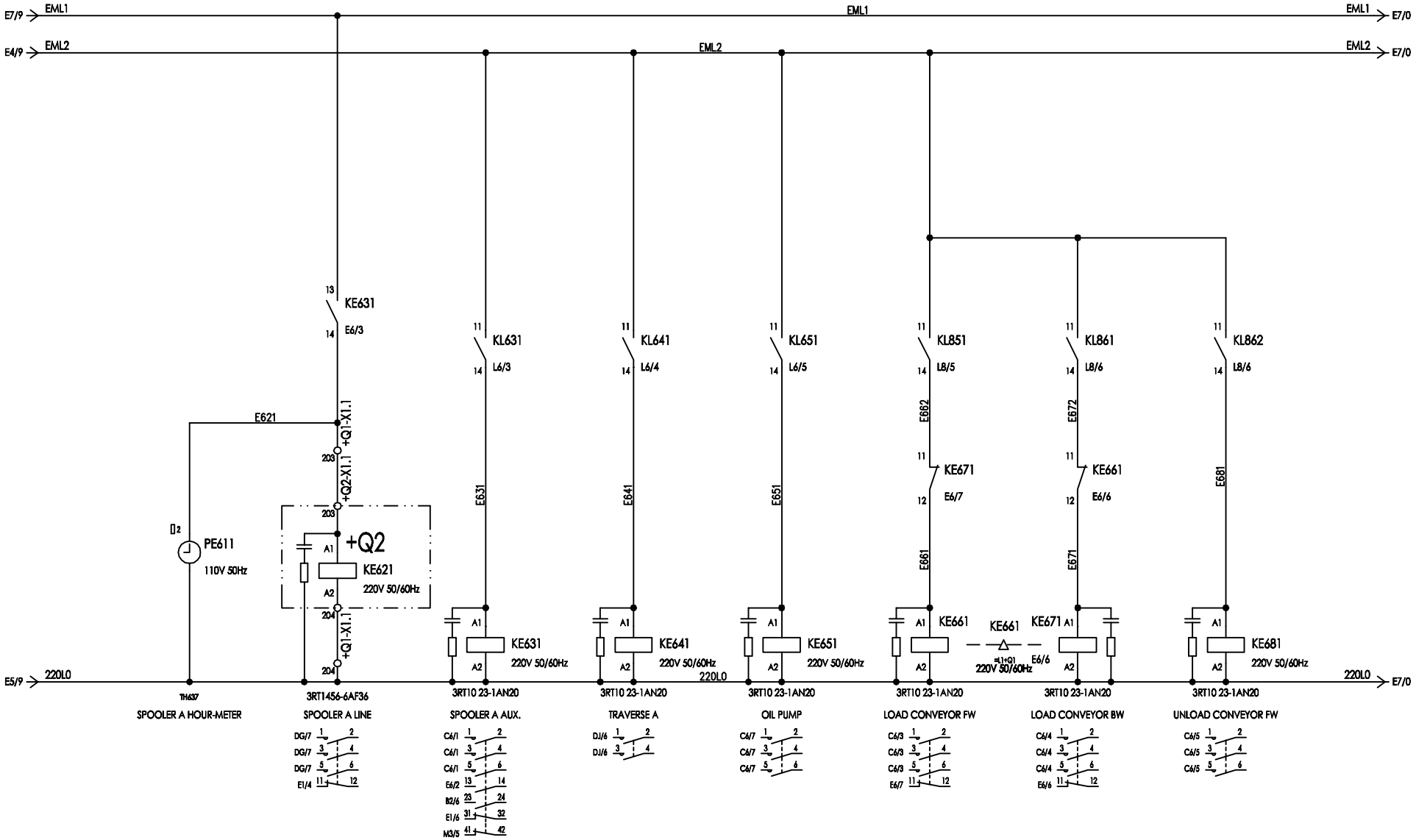
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			ELECTROMECHANICS		+	Q1	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No	2007R016 SAMP	Sheet	E3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	E4



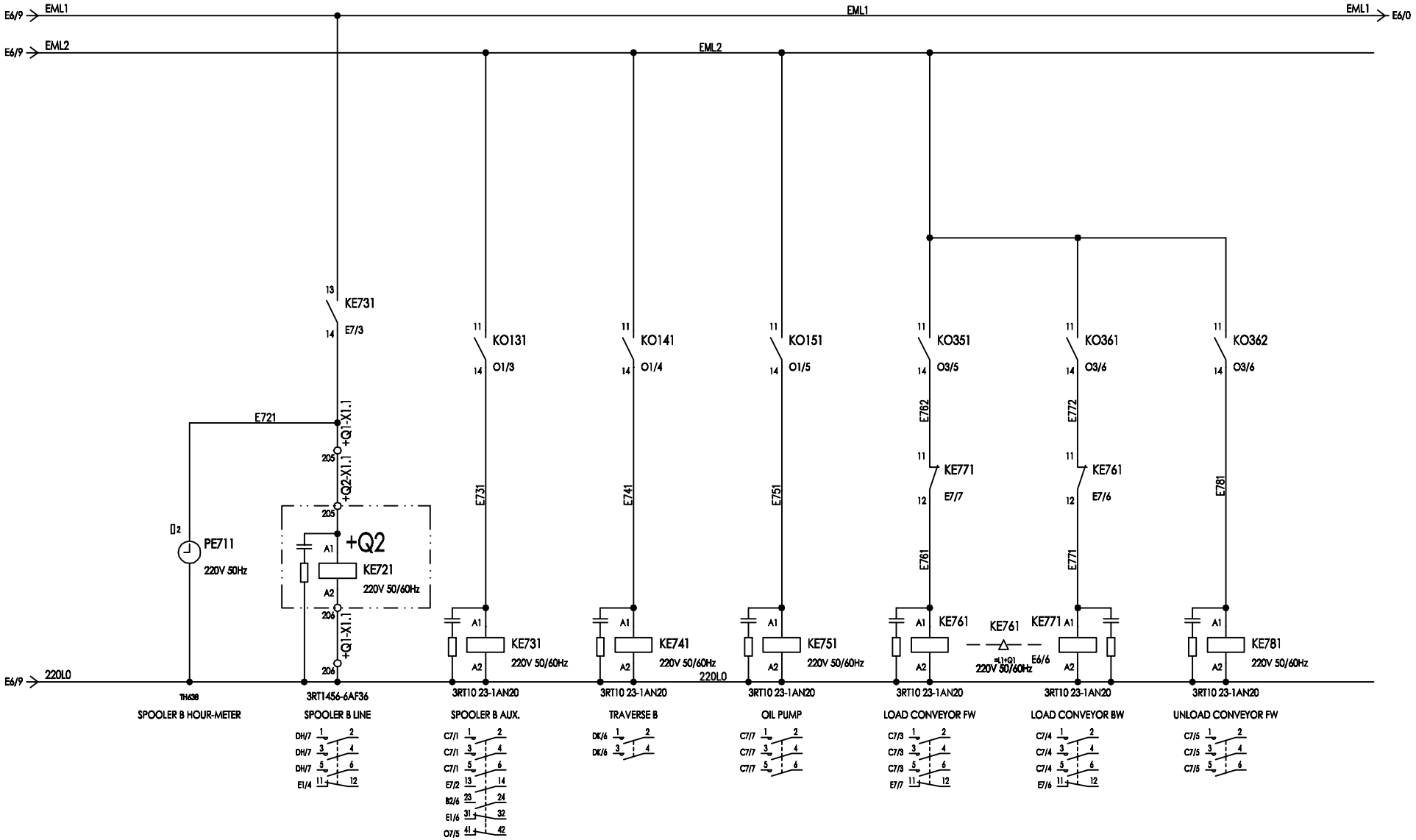
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet E4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow E5



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A ELECTROMECHANICS	080025	= LI	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ QI	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet E5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow E6

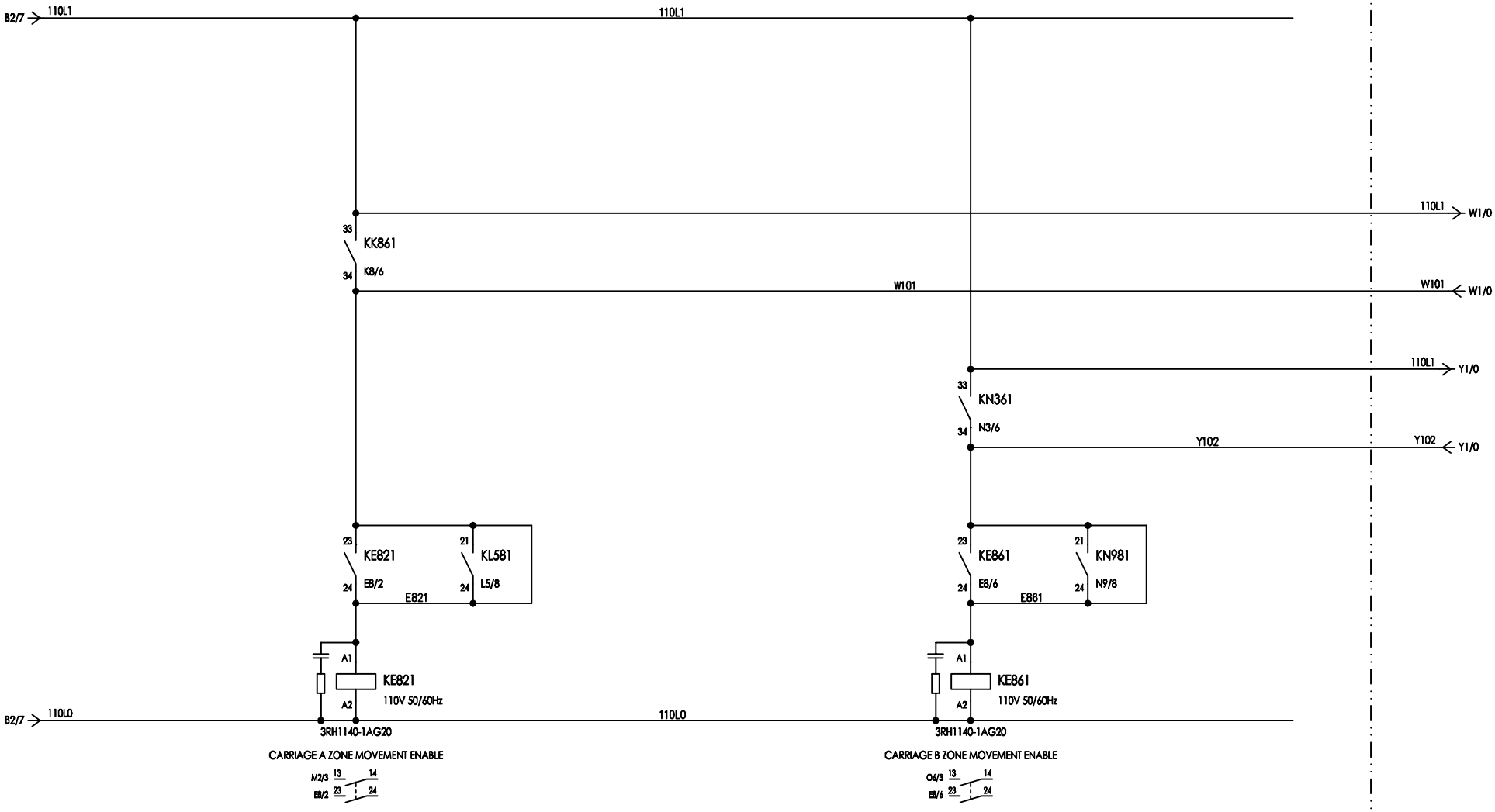


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A ELECTROMECHANICS	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet E6
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow E7

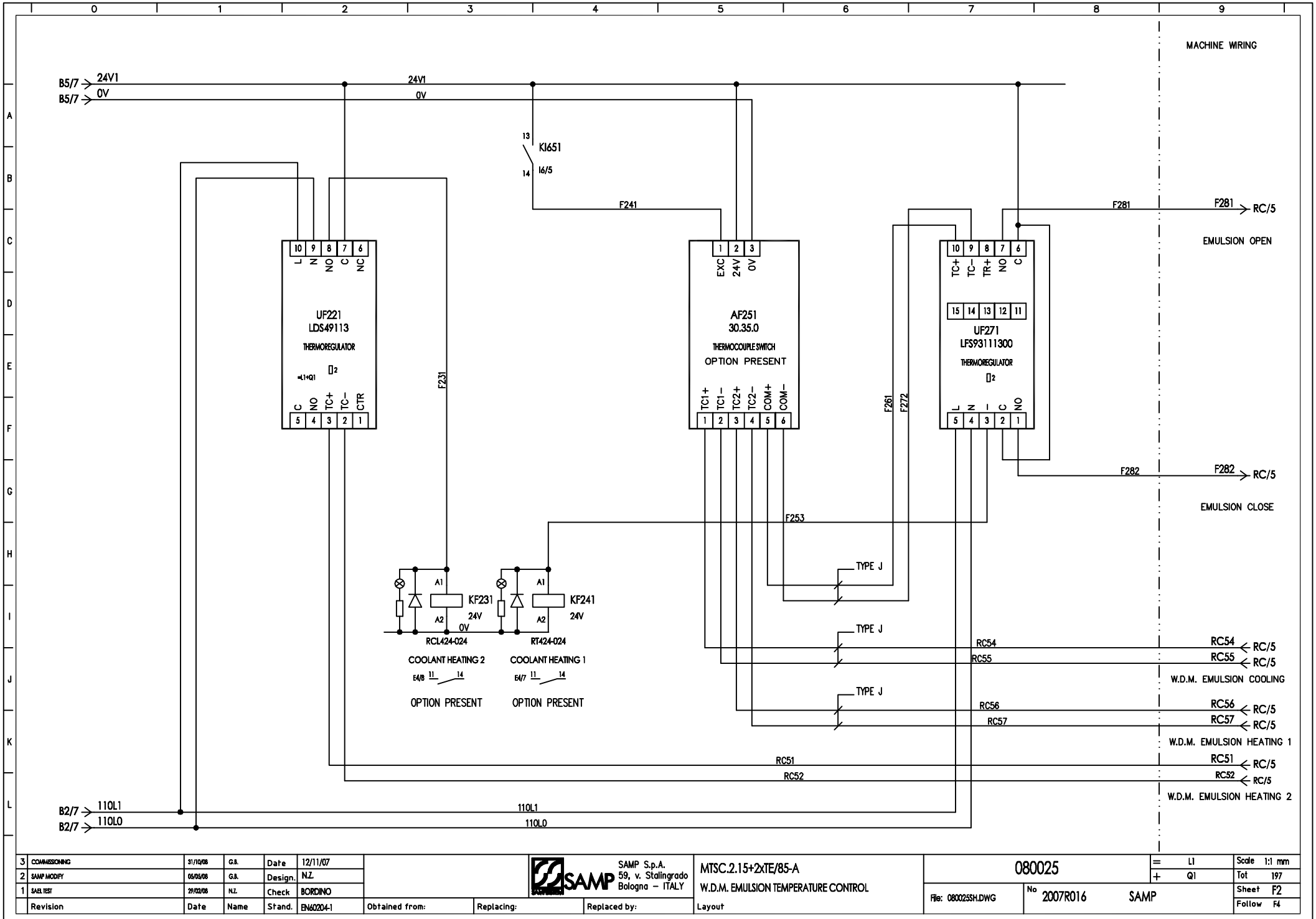


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A ELECTROMECHANICS	080025	=	L1	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+	Q1	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No	2007R016 SAMP	Sheet	E7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	E8

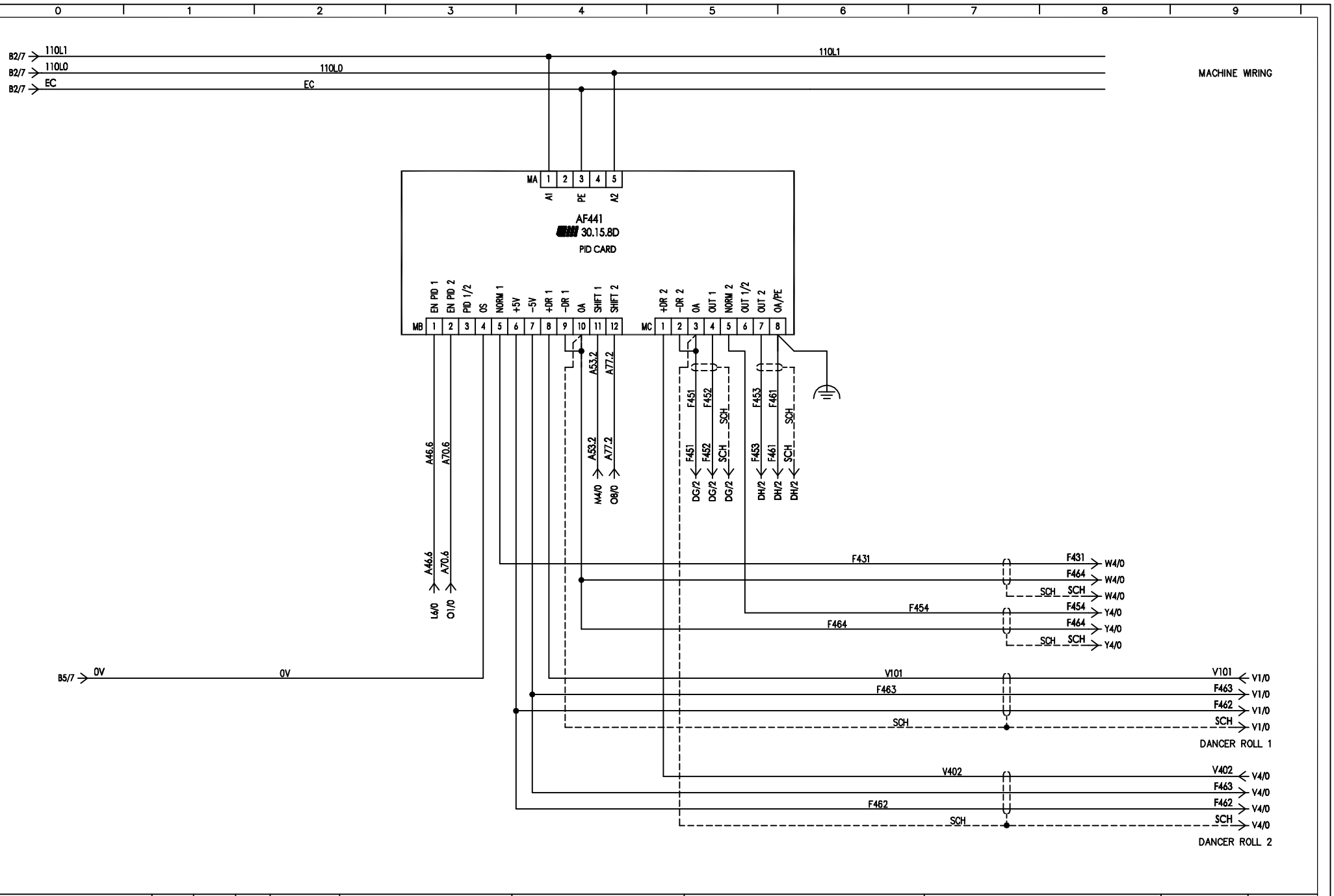
MACHINE WIRING



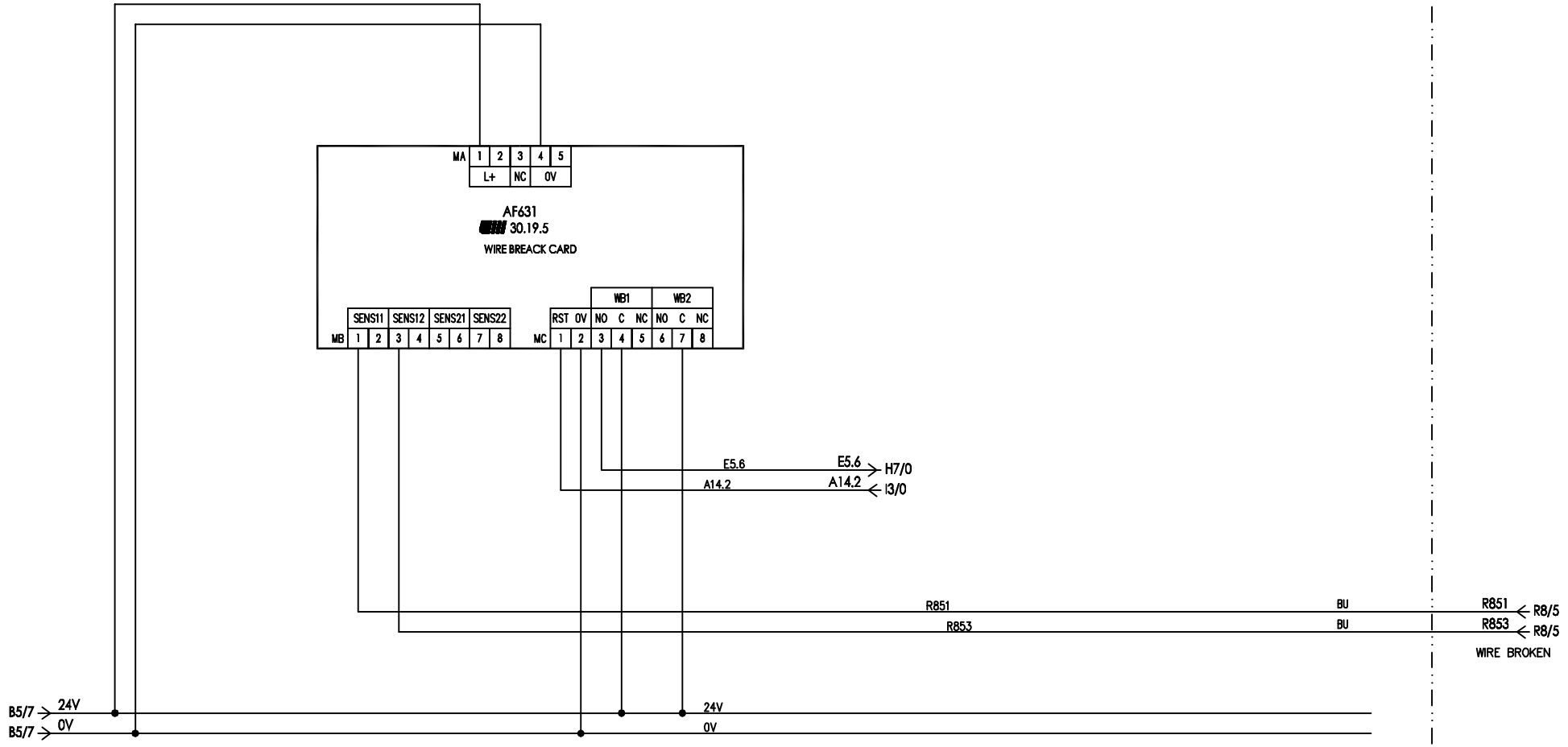
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			CARRIAGE ZONE MOVEMENT ENABLE		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet E8
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow F2



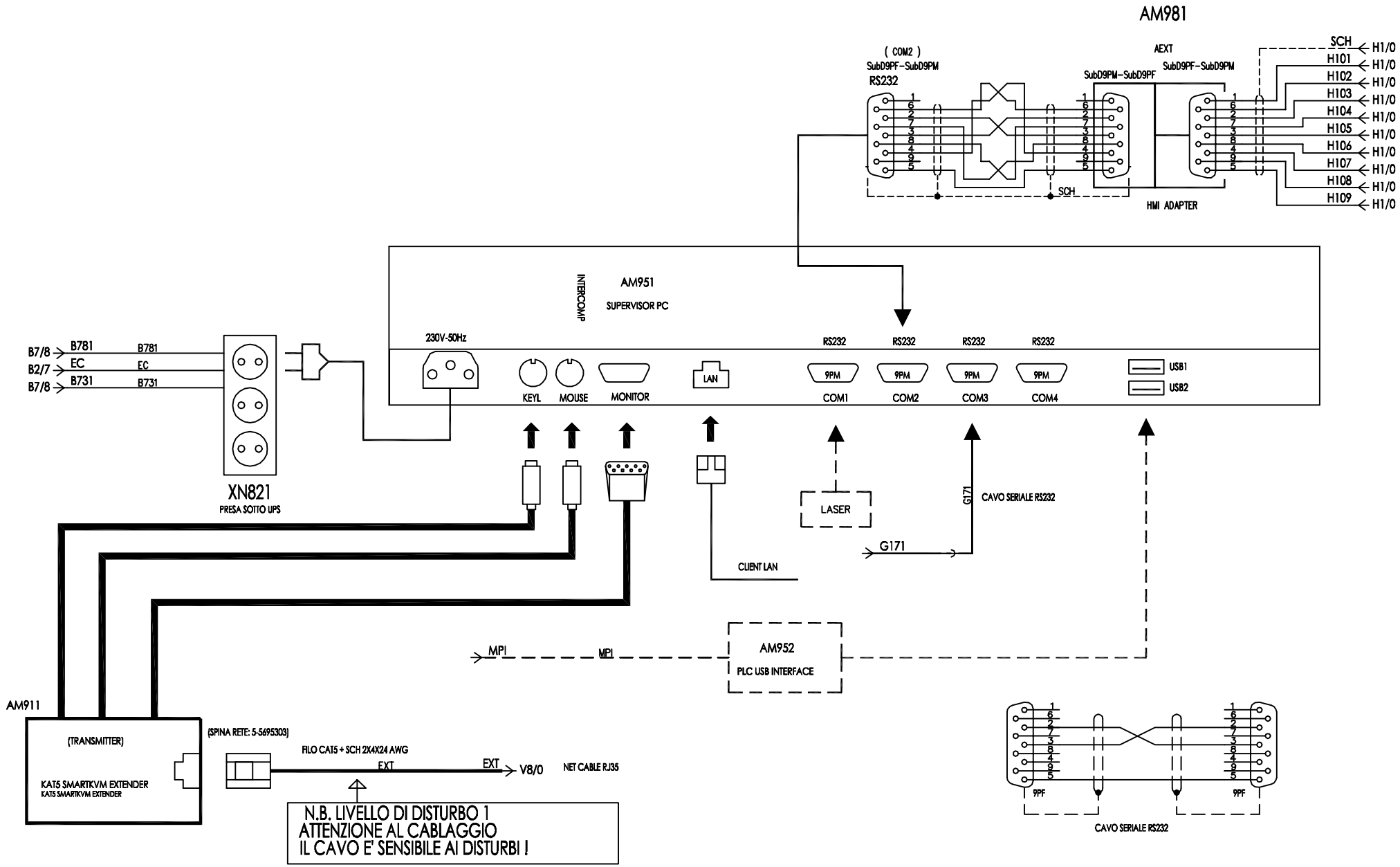
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			W.D.M. EMULSION TEMPERATURE CONTROL		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet F2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow F4



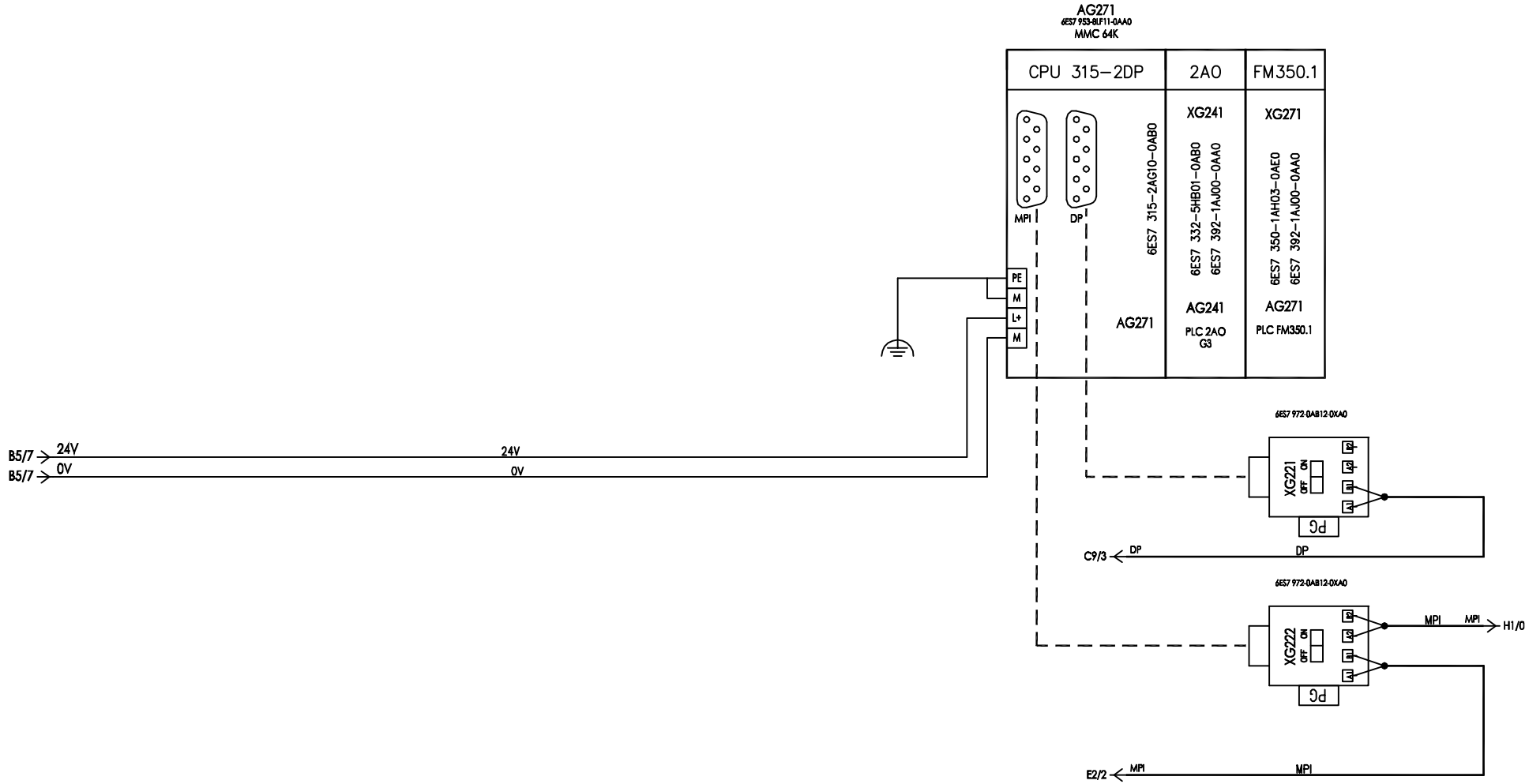
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLERS PID CARD		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet F4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow F6



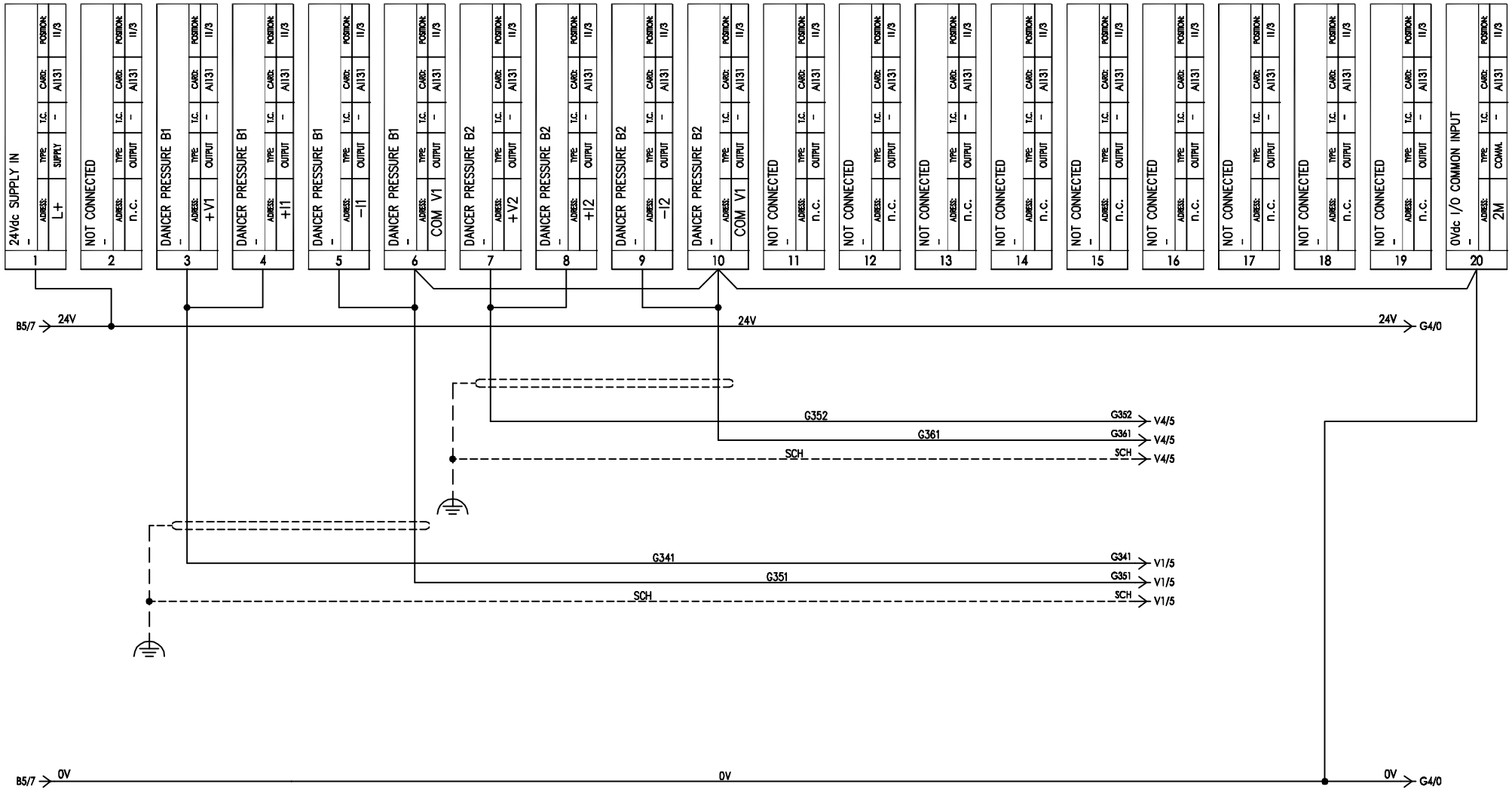
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			WIRE BROKEN CARD		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet F6
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow G1



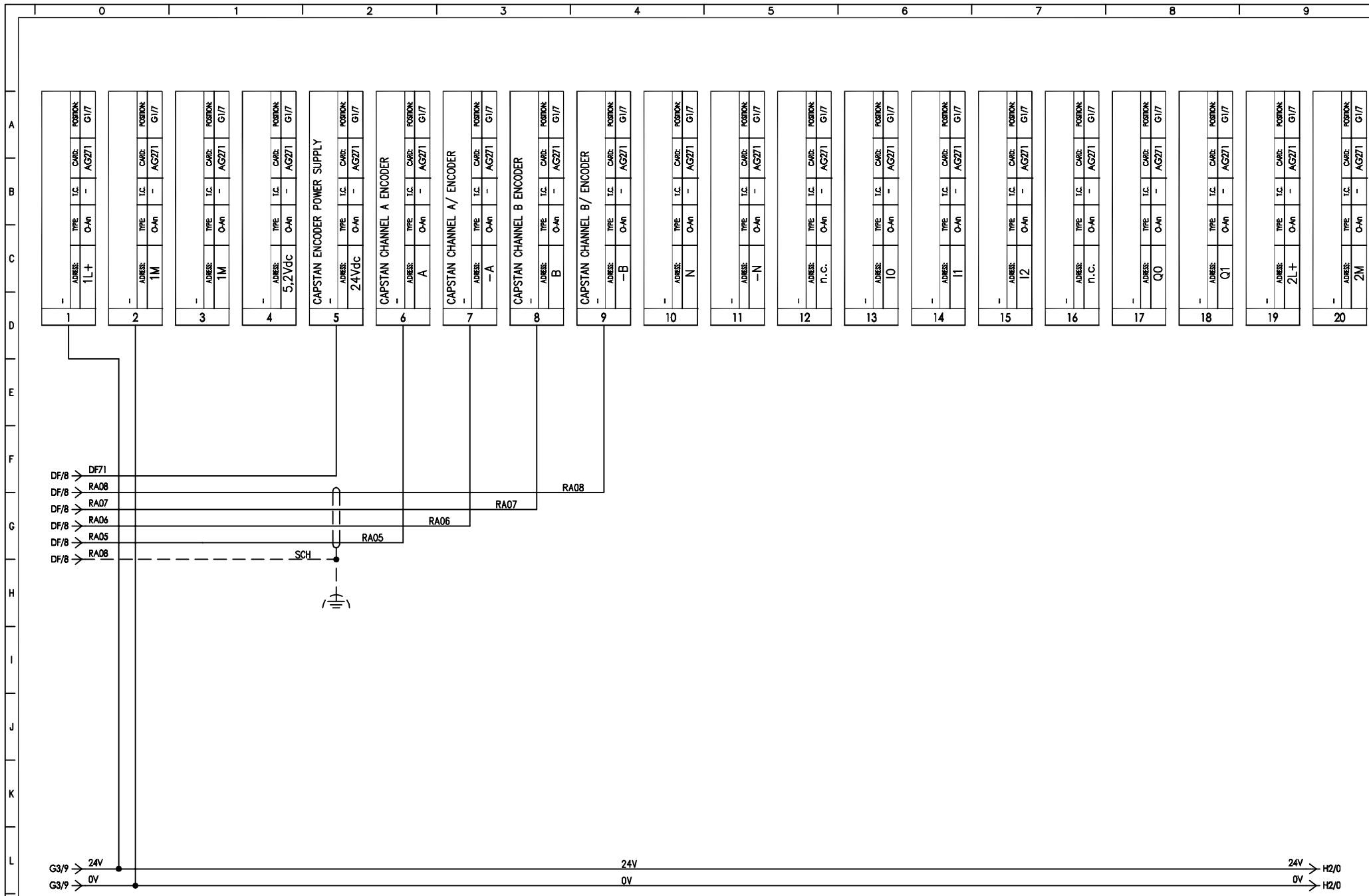
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			RACK PLC/CPU		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet G1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow G2



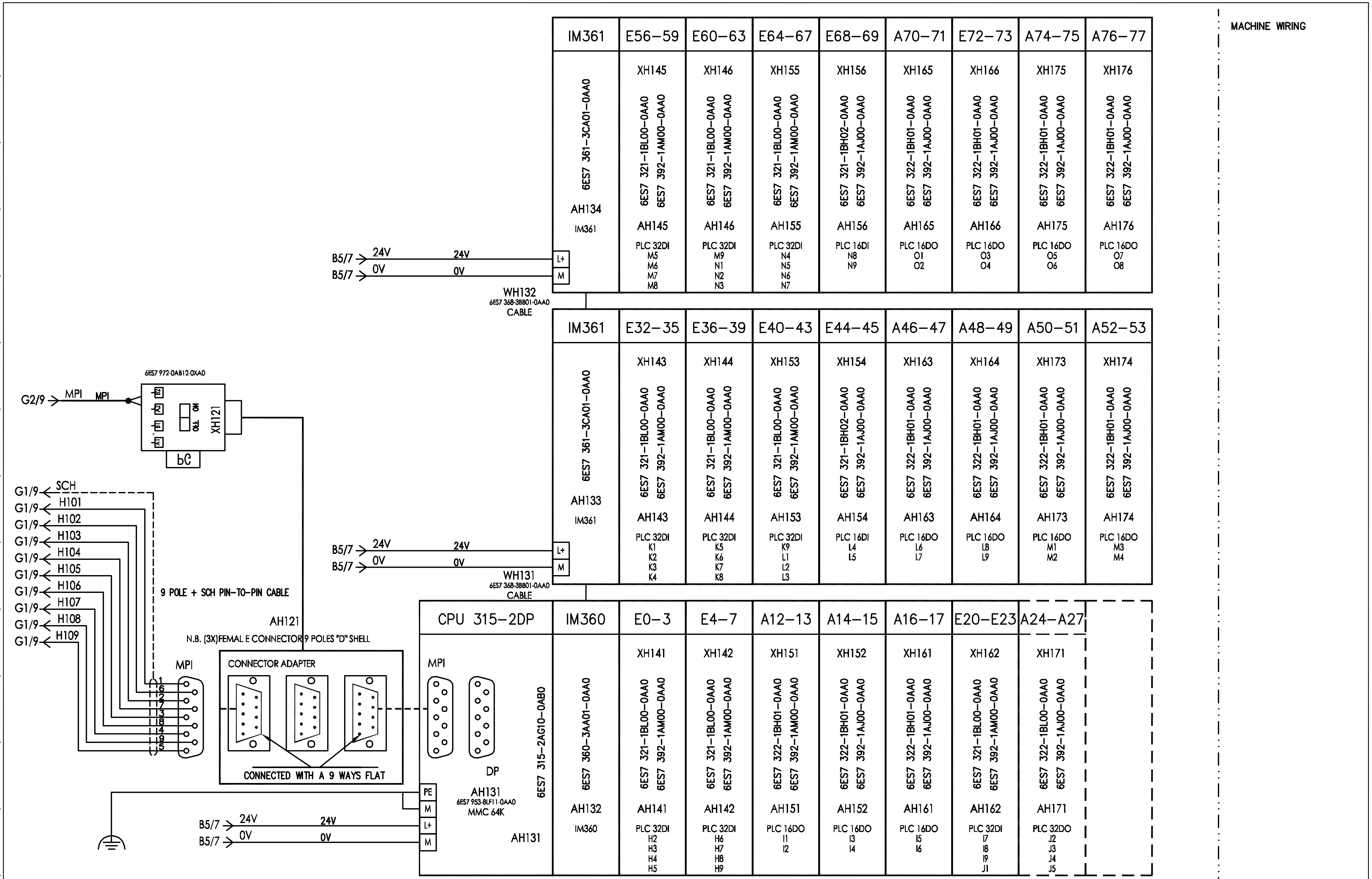
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			REFERENCE PROCESSING CPU		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet G2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow G3



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			DANCER PRESSURE A OUT		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet G3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow G4



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			CAPSTAN ENCODER		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet G4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow H1



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.	
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO	
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:

Replacing:

Replaced by:

SAMP S.p.A.
59, v. Stalingrado
Bologna – ITALY

MTSC.2.15+2xTE/85-A

PLC RACK

Layout

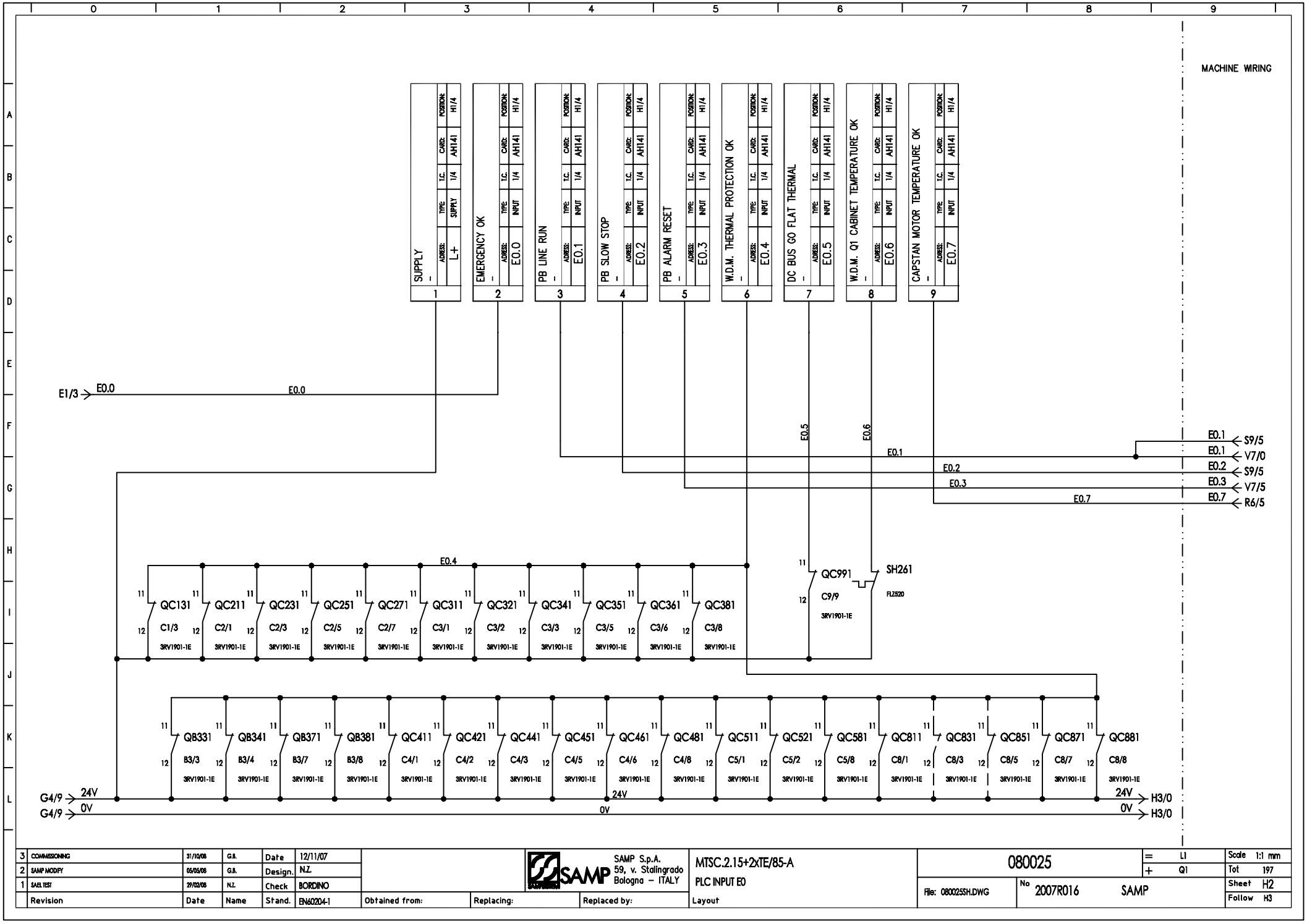
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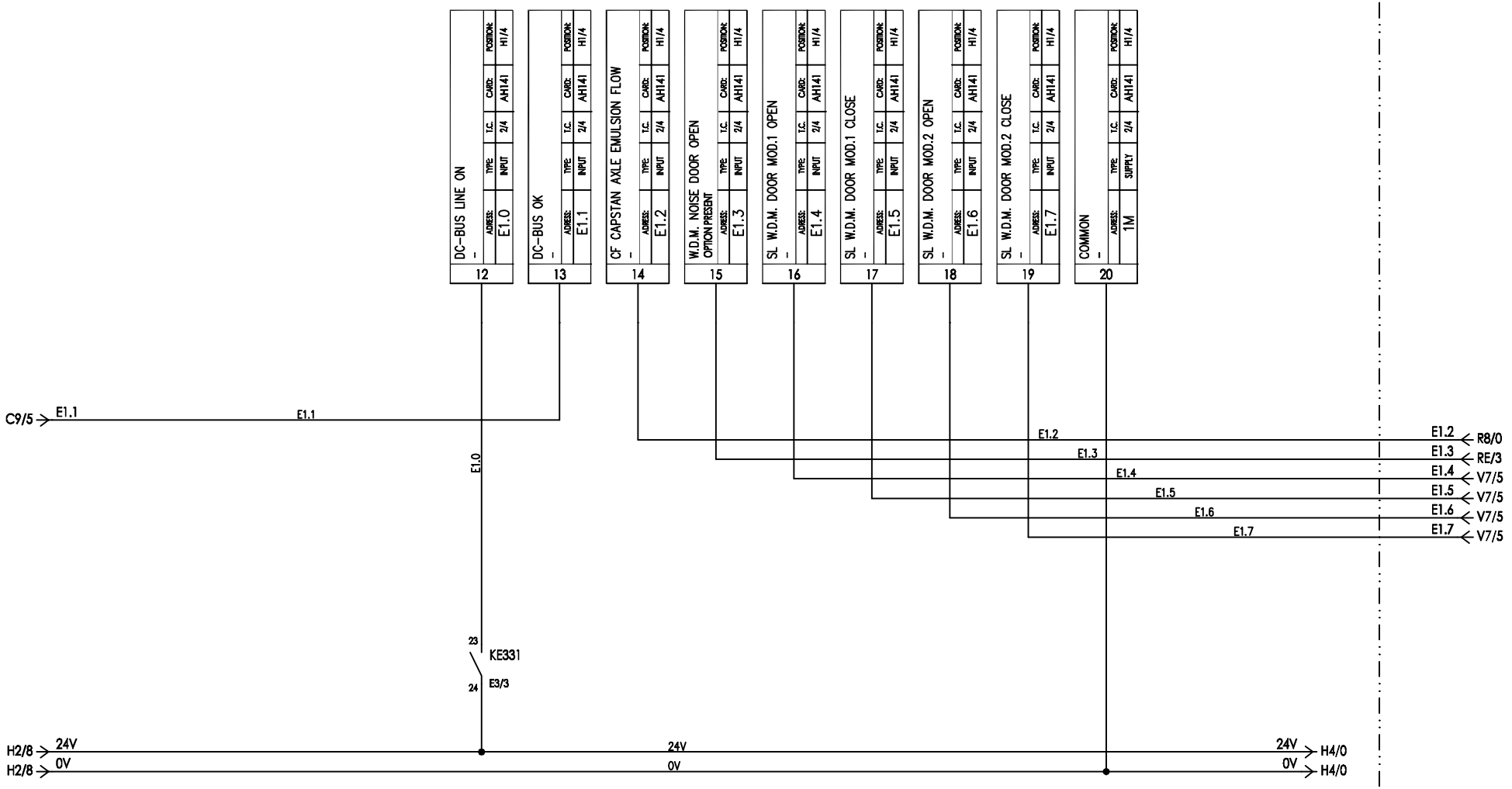
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=	L1
+	Q1

Scale	1:1 mm
Tot	197
Sheet	H1
Follow	H2

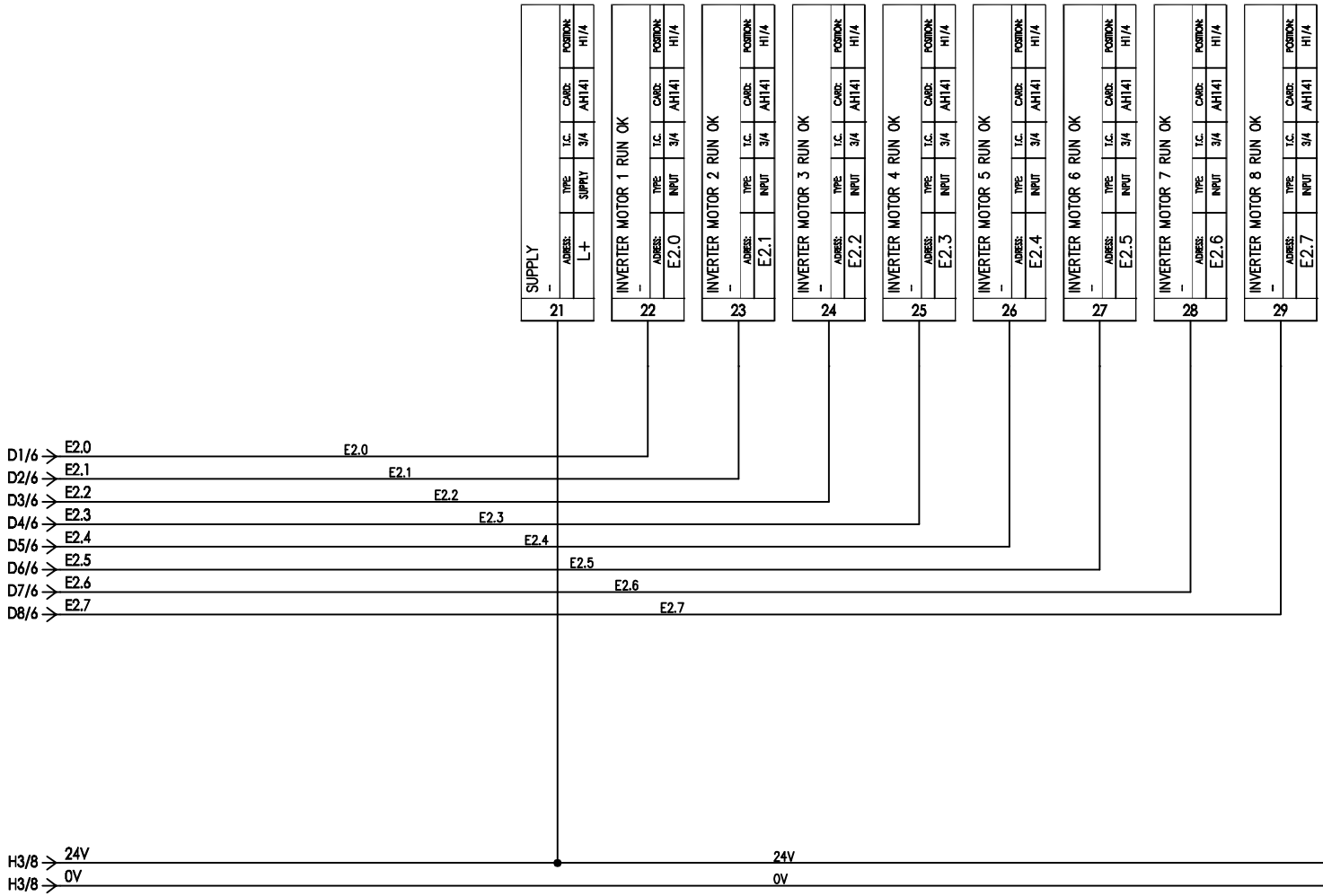


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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC INPUT E0		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet H2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow H3

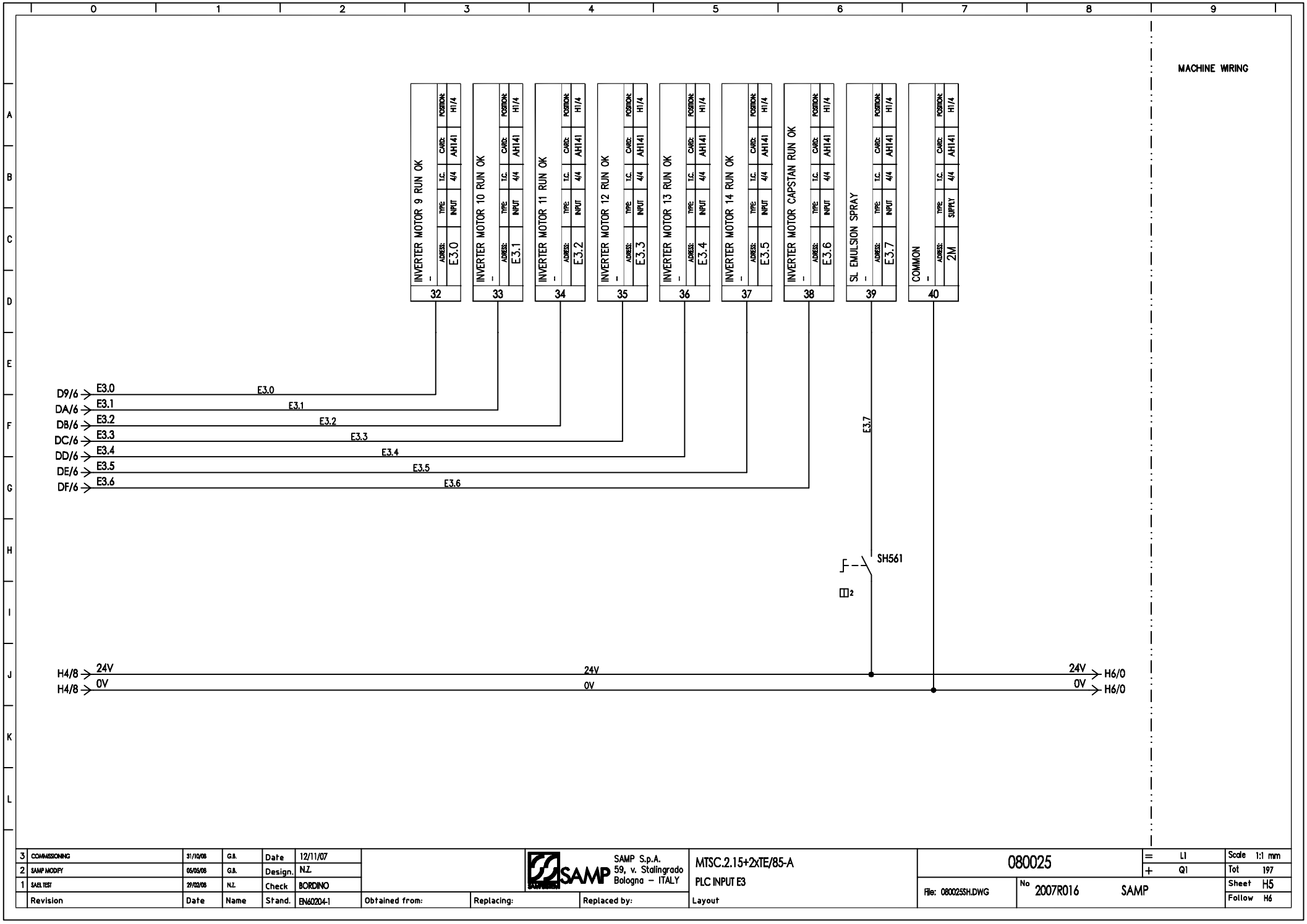


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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC INPUT E1		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet H3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow H4

MACHINE WIRING

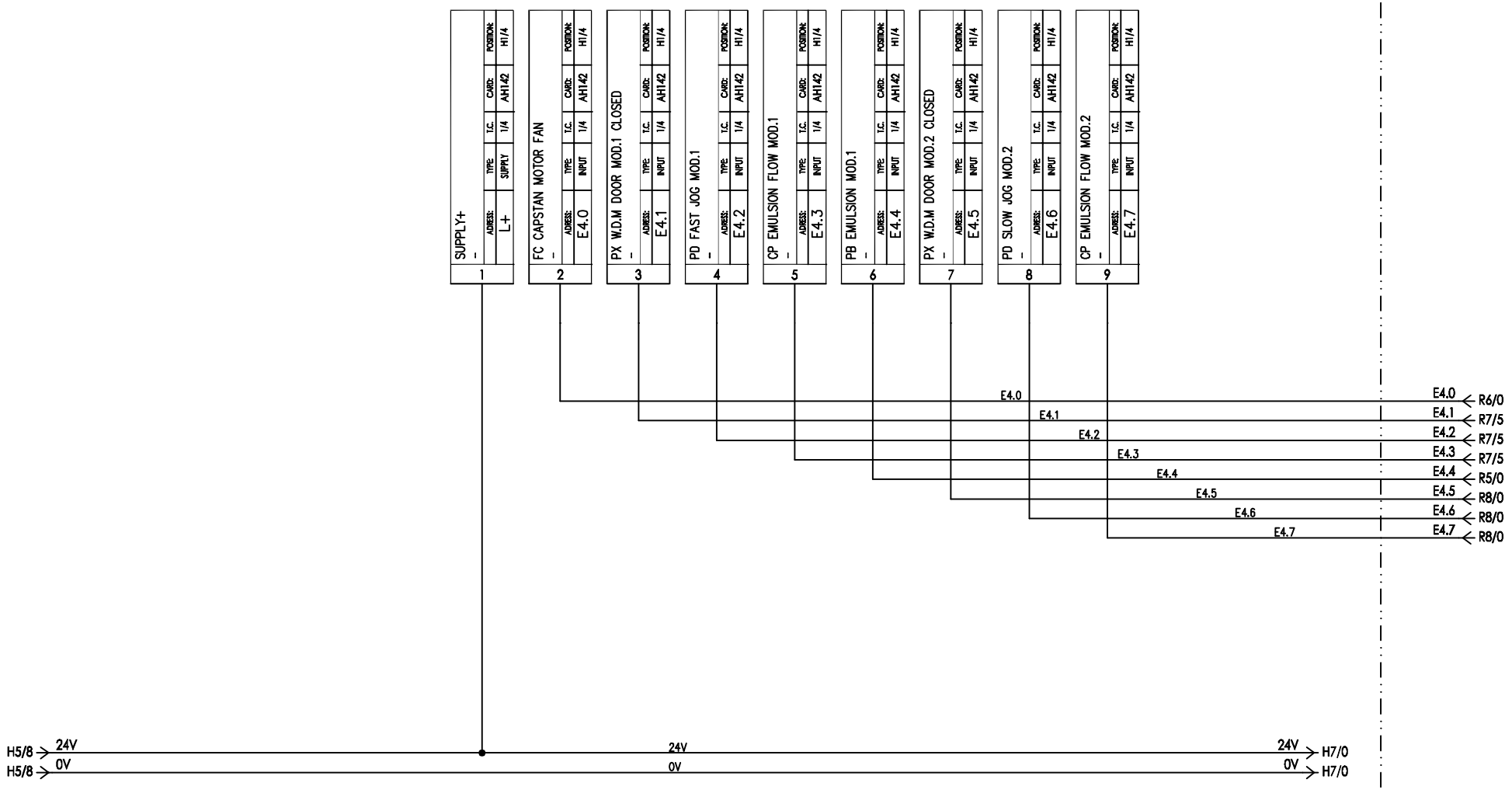


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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC INPUT E2		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet H4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow H5



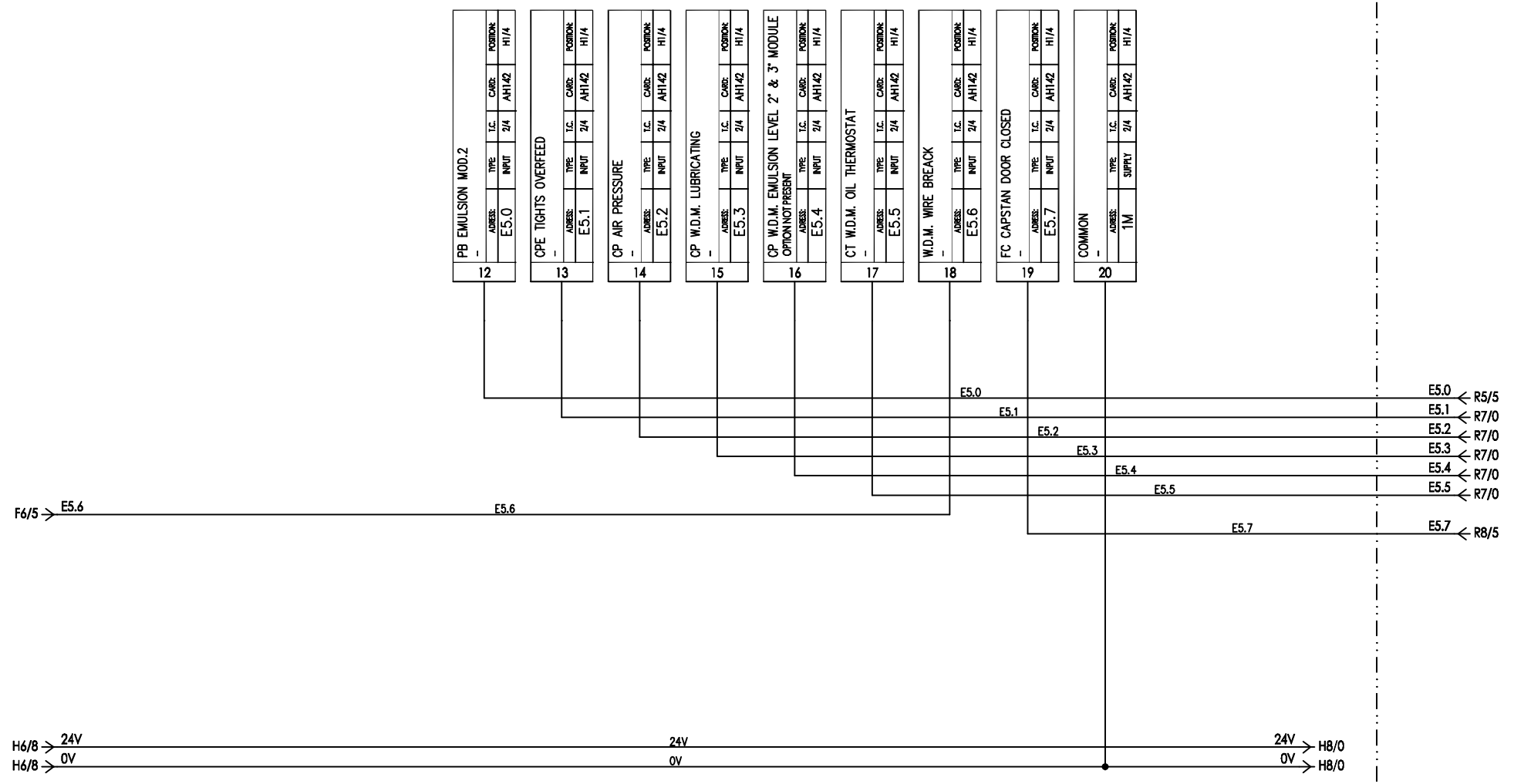
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC INPUT E3		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet H5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow H6

MACHINE WIRING



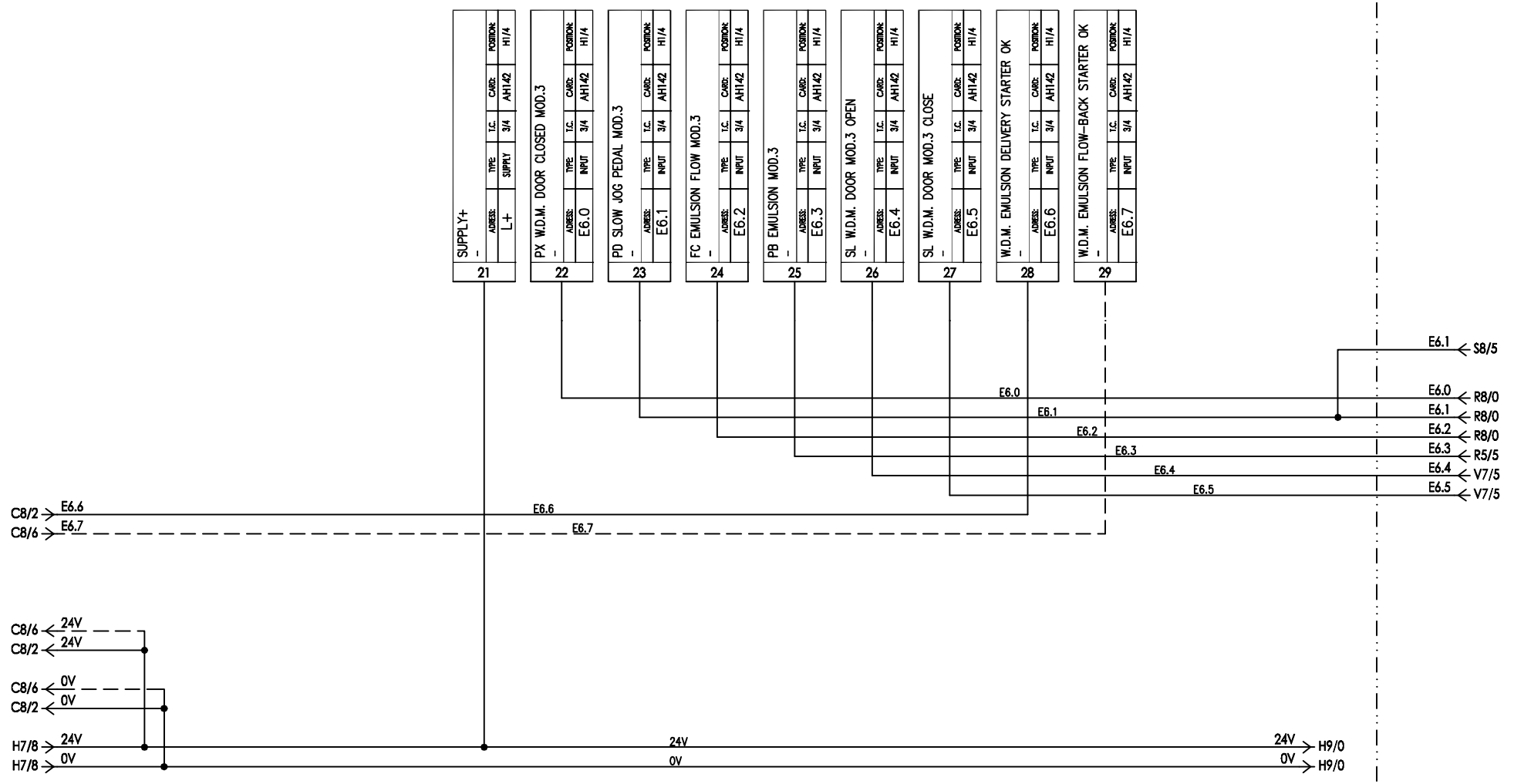
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC INPUT E4		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet H6
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow H7

MACHINE WIRING

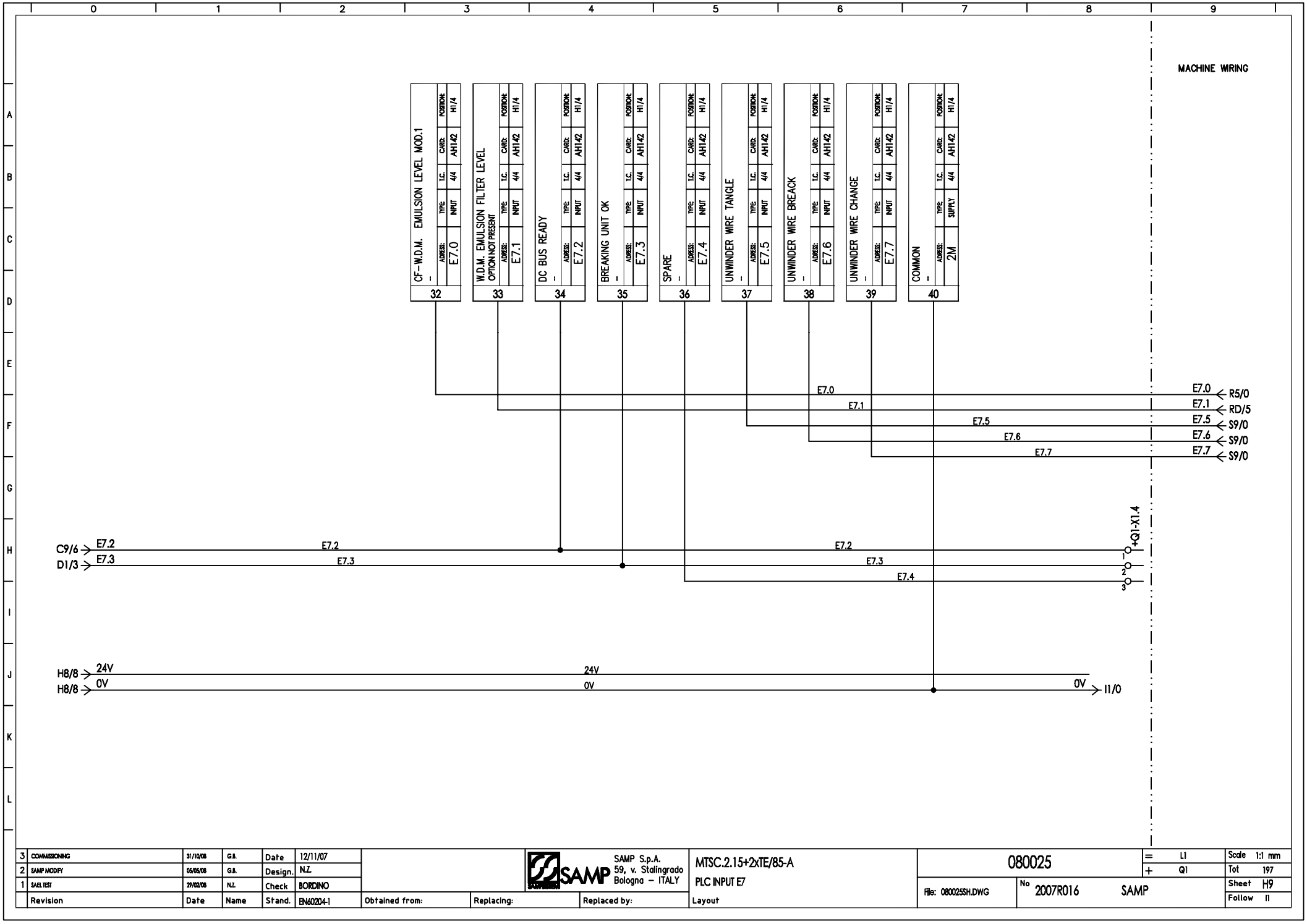


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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC INPUT E5		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet H7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow H8

MACHINE WIRING

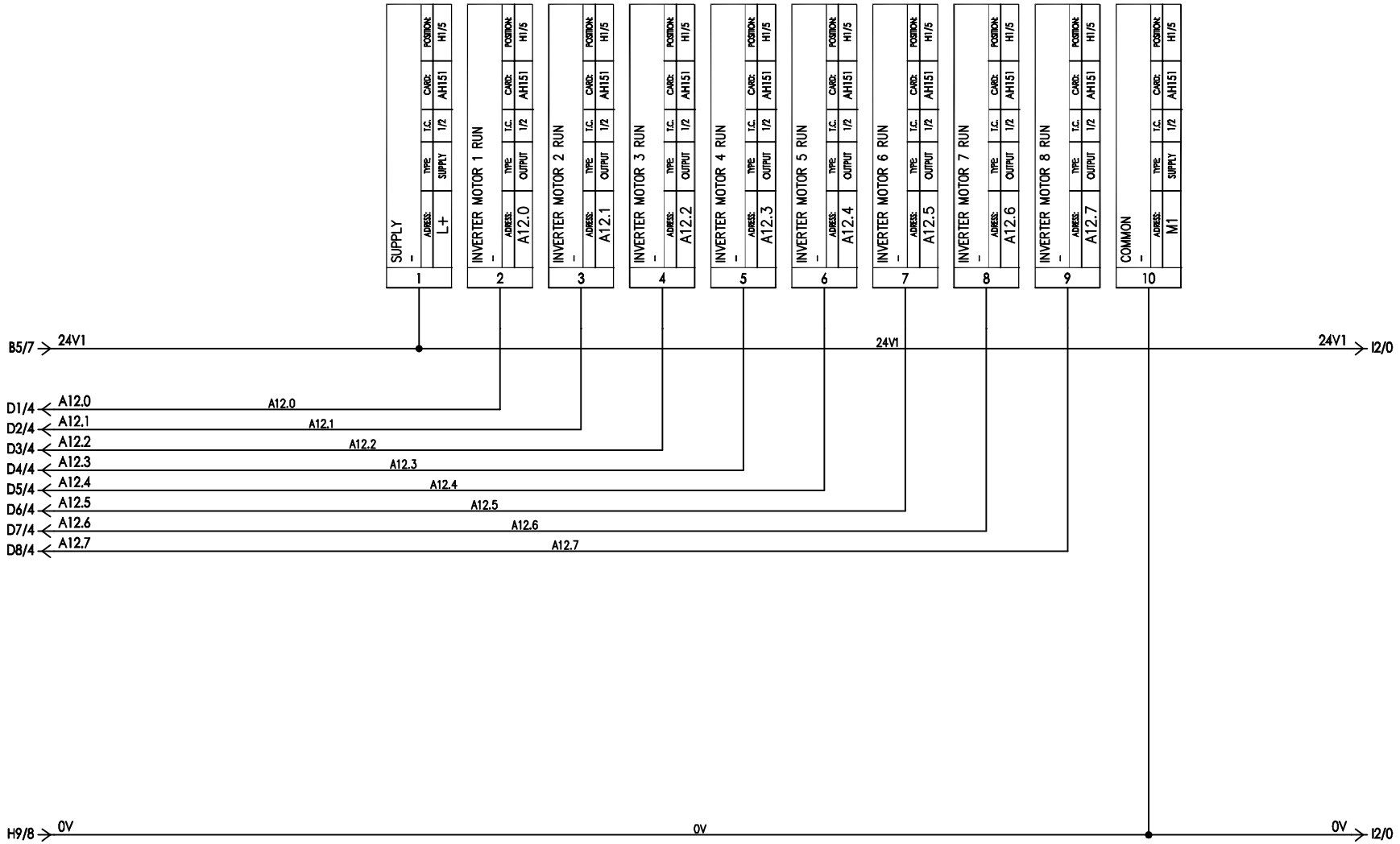


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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow H9



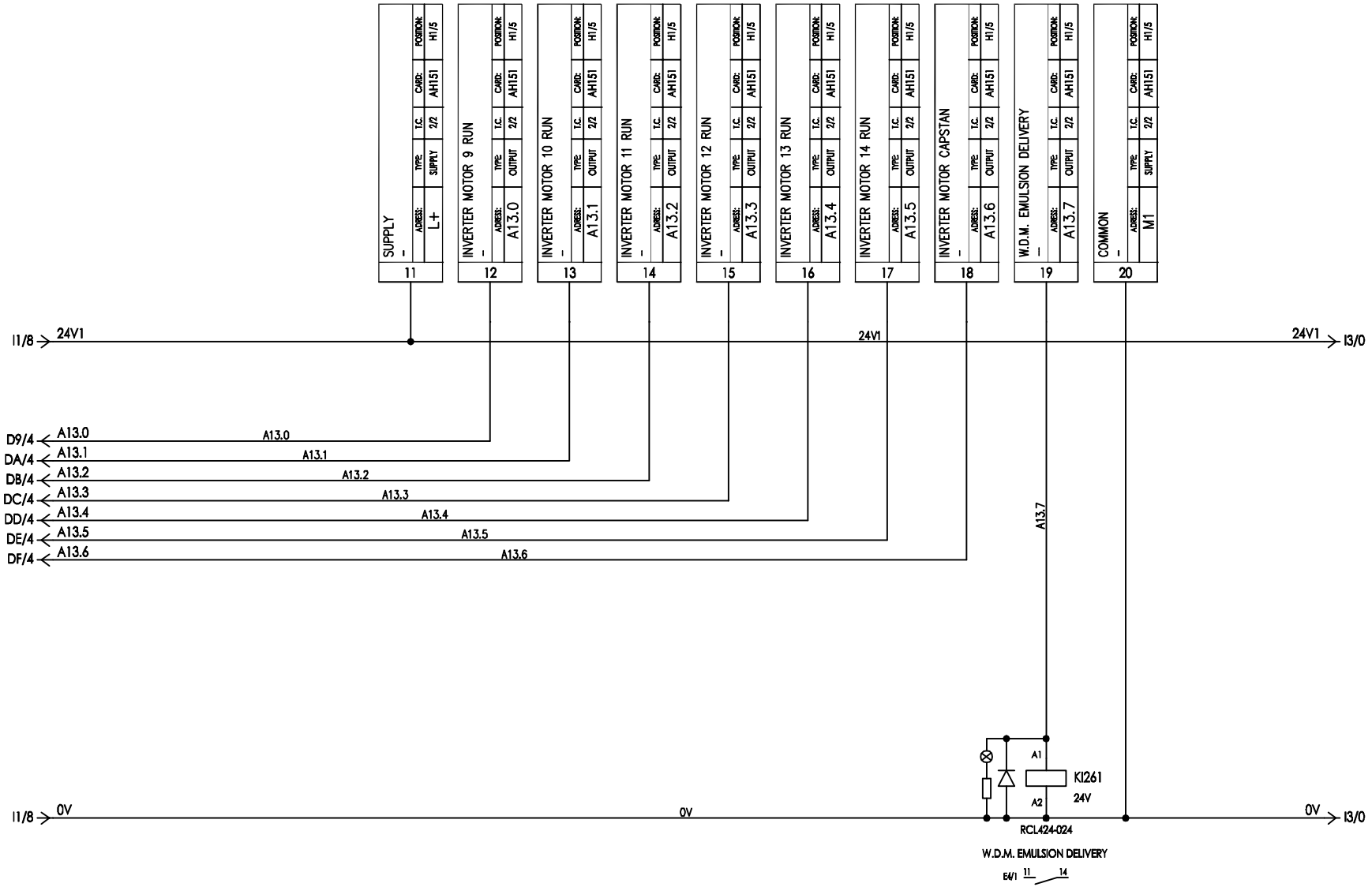
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC INPUT E7		+ Q1	Tot 197
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow I1

MACHINE WIRING



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC I/O		+	Q1	Tot	197
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	12

MACHINE WIRING



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A PLC I/O	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet 12
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow 13

MACHINE WIRING

1	2	3	4	5	6	7	8	9	10
SUPPLY	W.D.M. OIL PUMP	MOTOR FANS ENABLE	WIRE BREACK CARD RESET	AIR ON OIL EHEAT EXCHANGER	EV ROTATING DIE CARRIER	EV W.D.M. EMULSION BY-PASS	W.D.M. EMULSION FILTER PAPER FEED	EV W.D.M. DOOR OIL PRESSURING	COMMON
ADRESS: L+	ADRESS: A14.0	ADRESS: A14.1	ADRESS: A14.2	ADRESS: A14.3	ADRESS: A14.4	ADRESS: A14.5	ADRESS: A14.6	ADRESS: A14.7	ADRESS: M1
TYPE: SUPPLY	TYPE: OUTPUT	TYPE: OUTPUT	TYPE: OUTPUT	TYPE: OUTPUT	TYPE: OUTPUT	TYPE: OUTPUT	TYPE: OUTPUT	TYPE: OUTPUT	TYPE: SUPPLY
T.C. 1/2	T.C. 1/2	T.C. 1/2	T.C. 1/2	T.C. 1/2	T.C. 1/2	T.C. 1/2	T.C. 1/2	T.C. 1/2	T.C. 1/2
CARD: AH152	CARD: AH152	CARD: AH152	CARD: AH152	CARD: AH152	CARD: AH152	CARD: AH152	CARD: AH152	CARD: AH152	CARD: AH152
POSITION: H1/6	POSITION: H1/6	POSITION: H1/6	POSITION: H1/6	POSITION: H1/6	POSITION: H1/6	POSITION: H1/6	POSITION: H1/6	POSITION: H1/6	POSITION: H1/6

I2/8 24V1

F6/5 A14.2

24V1

A14.2

24V1 I4/0

A14.3 RB/5

A14.4 RB/5

A14.5 RB/5

A14.0

A14.1

A14.6

A14.7

11 KI362 14 I3/6

I381 I381 RB/0

KI321 24V A1 A2 RCL424-024 W.D.M. OIL PUMP E5/7 11 14

KI331 24V A1 A2 RCL424-024 MOTOR FANS ENABLE E5/6 11 14

KI361 24V A1 A2 RCL424-024 W.D.M. EMULSION FILTER PAPER FEED E4/4 11 14

KI362 24V A1 A2 RCL424-024 OIL PRESSURE I3/7 11 14

I2/8 0V

0V

0V I4/0

OPTION NOT PRESENT

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A PLC I/O	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet I3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow I4

MACHINE WIRING

	SUPPLY	CAPSTAN DOOR LOCK	EV OPEN W.D.M. DOOR MOD.1	EV CLOSE W.D.M. DOOR MOD.1	EV OPEN W.D.M. DOOR MOD.2	EV CLOSE W.D.M. DOOR MOD.2	EV W.D.M. EMULSION DELIVERY MOD.1	EV W.D.M. EMULSION DELIVERY MOD.2	SAFETY BY-PASS ON JOG	COMMON
	11	12	13	14	15	16	17	18	19	20
ADRESS:	L+	A15.0	A15.1	A15.2	A15.3	A15.4	A15.5	A15.6	A15.7	M1
TYPE:	SUPPLY	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	SUPPLY
T.C.	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
CARD:	AH152	AH152	AH152	AH152	AH152	AH152	AH152	AH152	AH152	AH152
POSITION:	H1/6	H1/6	H1/6	H1/6	H1/6	H1/6	H1/6	H1/6	H1/6	H1/6

I3/8 24V1

24V1 → I5/0

A15.5 → A15.5 RB/5

A15.6 → A15.6 RB/5

31 KE561 W.D.M. FANS E5/6 32

1431

KI411 11/14 I4/1 — A15.0 — A15.1

KI421 11/14 I4/2

KI431 11/14 I4/3 — A15.2

KI441 11/14 I4/4 — A15.3

KI451 11/14 I4/5 — A15.4

A15.7

1451 → 1451 R8/5

1461 → 1461 RB/0

1462 → 1462 RB/0

1471 → 1471 RB/0

1472 → 1472 RB/0

	KI411	KI421	KI431	KI441	KI451	KI461
	A1 / A2	A1 / A2	A1 / A2	A1 / A2	A1 / A2	A1 / A2
	24V	24V	24V	24V	24V	24V
	RCL424-024	RCL424-024	RCL424-024	RCL424-024	RCL424-024	3RH1140-1BB40
	CPST DOOR LOCK	OP W.D.M. DOOR MOD.1	CL W.D.M. DOOR MOD.1	OP W.D.M. DOOR MOD.2	CL W.D.M. DOOR MOD.2	SAFETY BY-PASS
	I4/2 11 14	I4/3 11 14	I4/3 11 14	I4/4 11 14	I4/5 11 14	E1/6 11 14

I3/8 0V

0V

0V → I5/0

Rev.		Date								
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07					
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO					
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:		

SAMP S.p.A.
59, v. Stalingrado
Bologna – ITALY

MTSC.2.15+2xTE/85-A
PLC I/O
Layout

080025

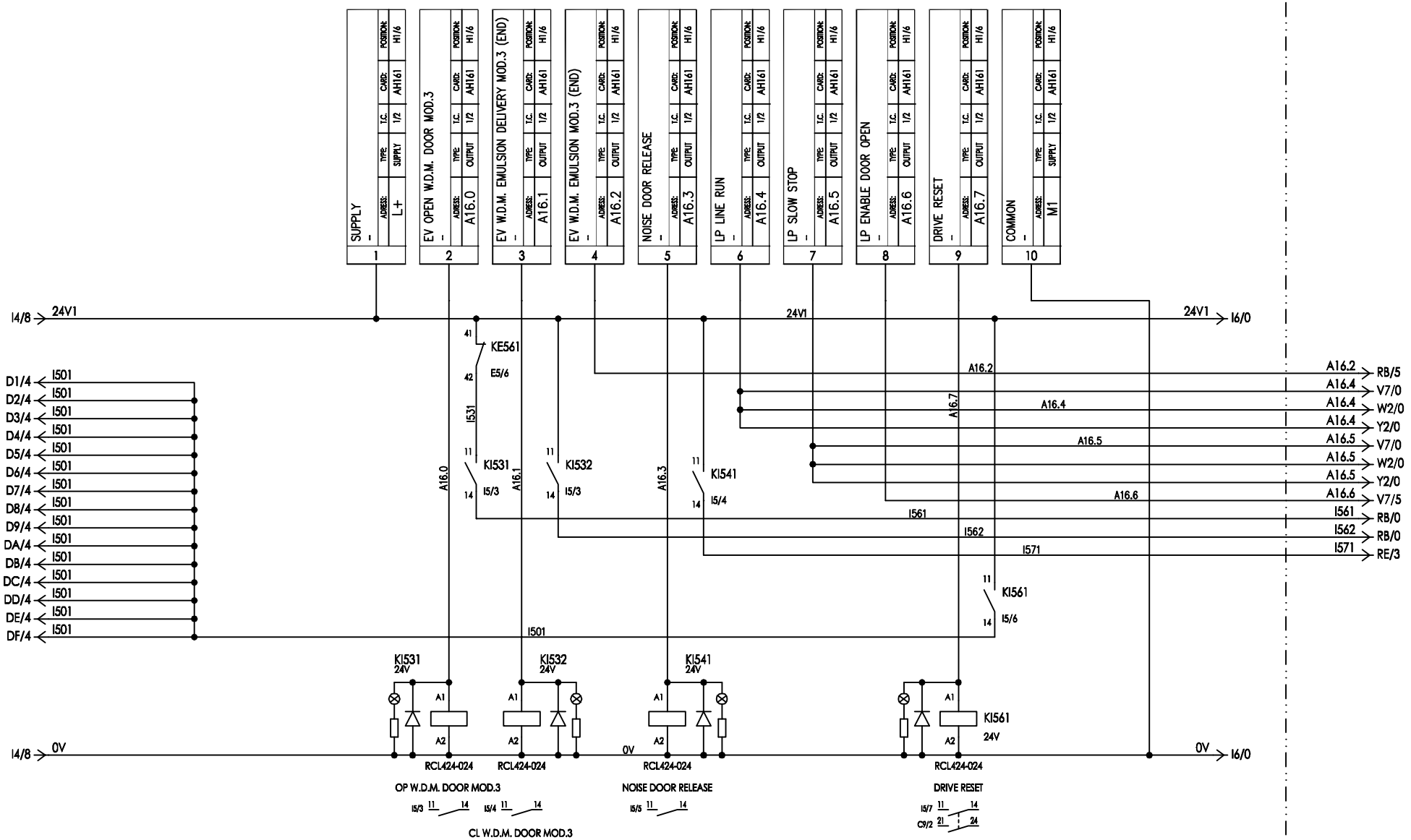
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No 2007R016 SAMP

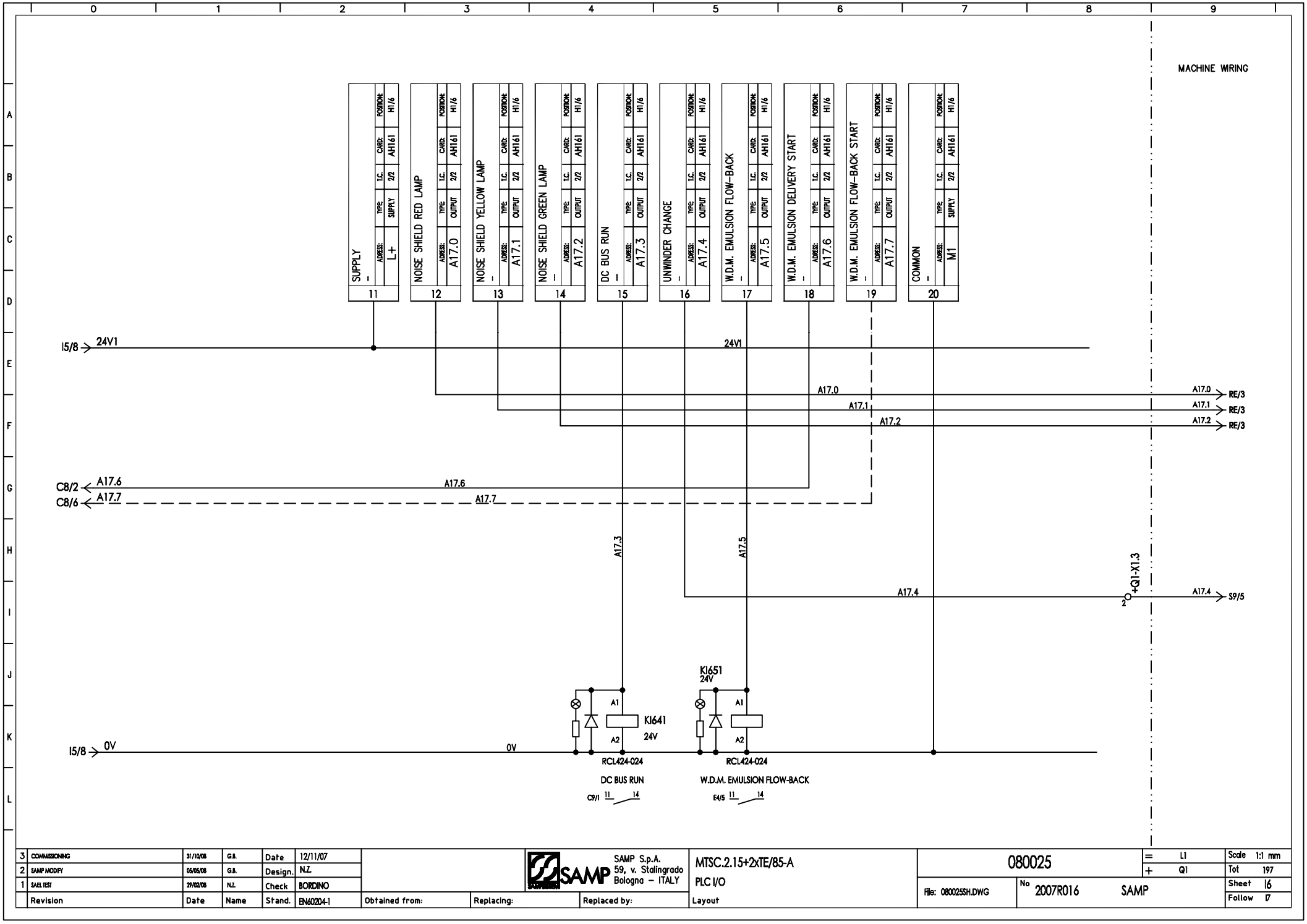
= L1
+ Q1

Scale 1:1 mm
Tot 197
Sheet 14
Follow 15

MACHINE WIRING

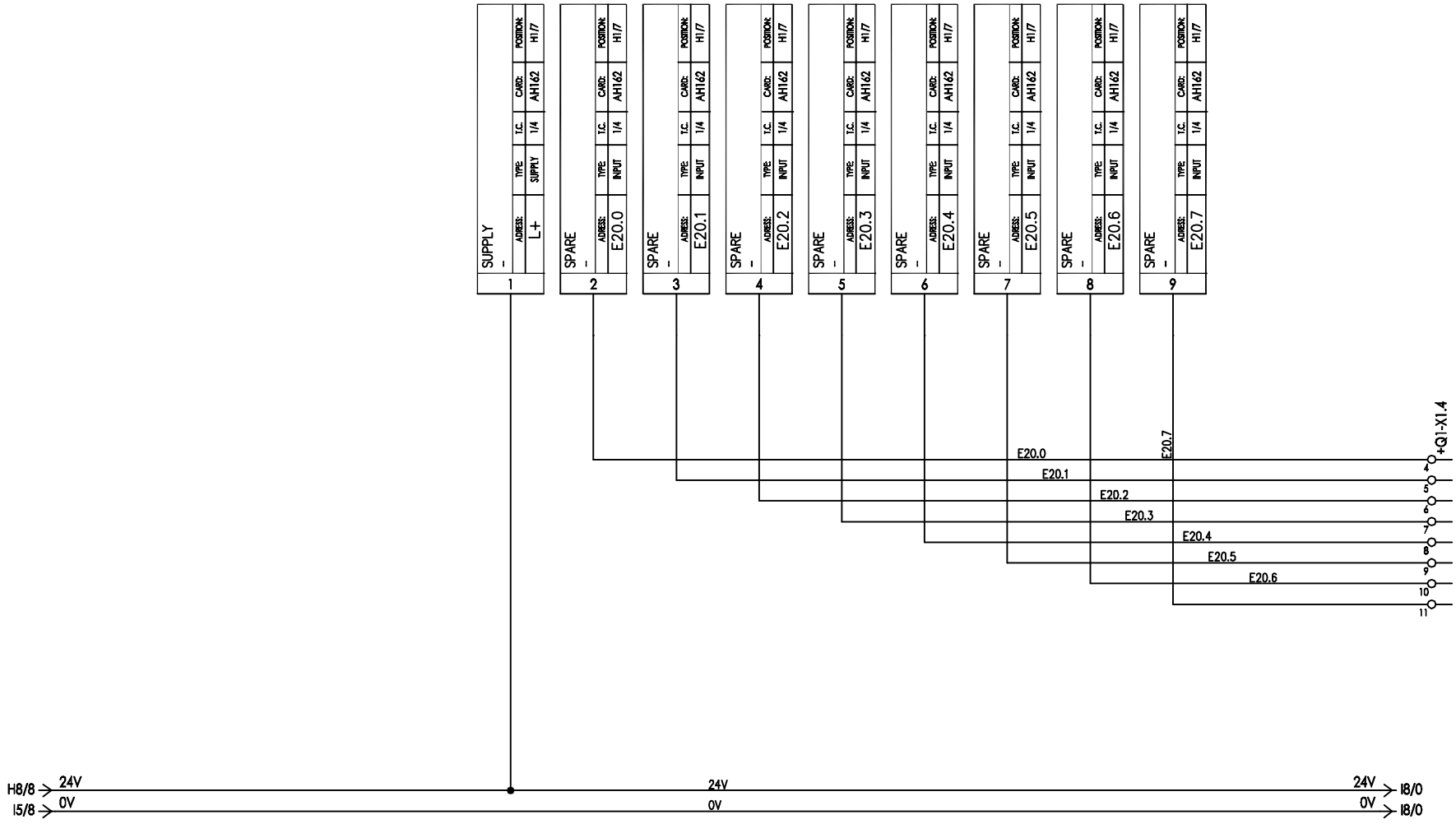


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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC I/O		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet I5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow I6

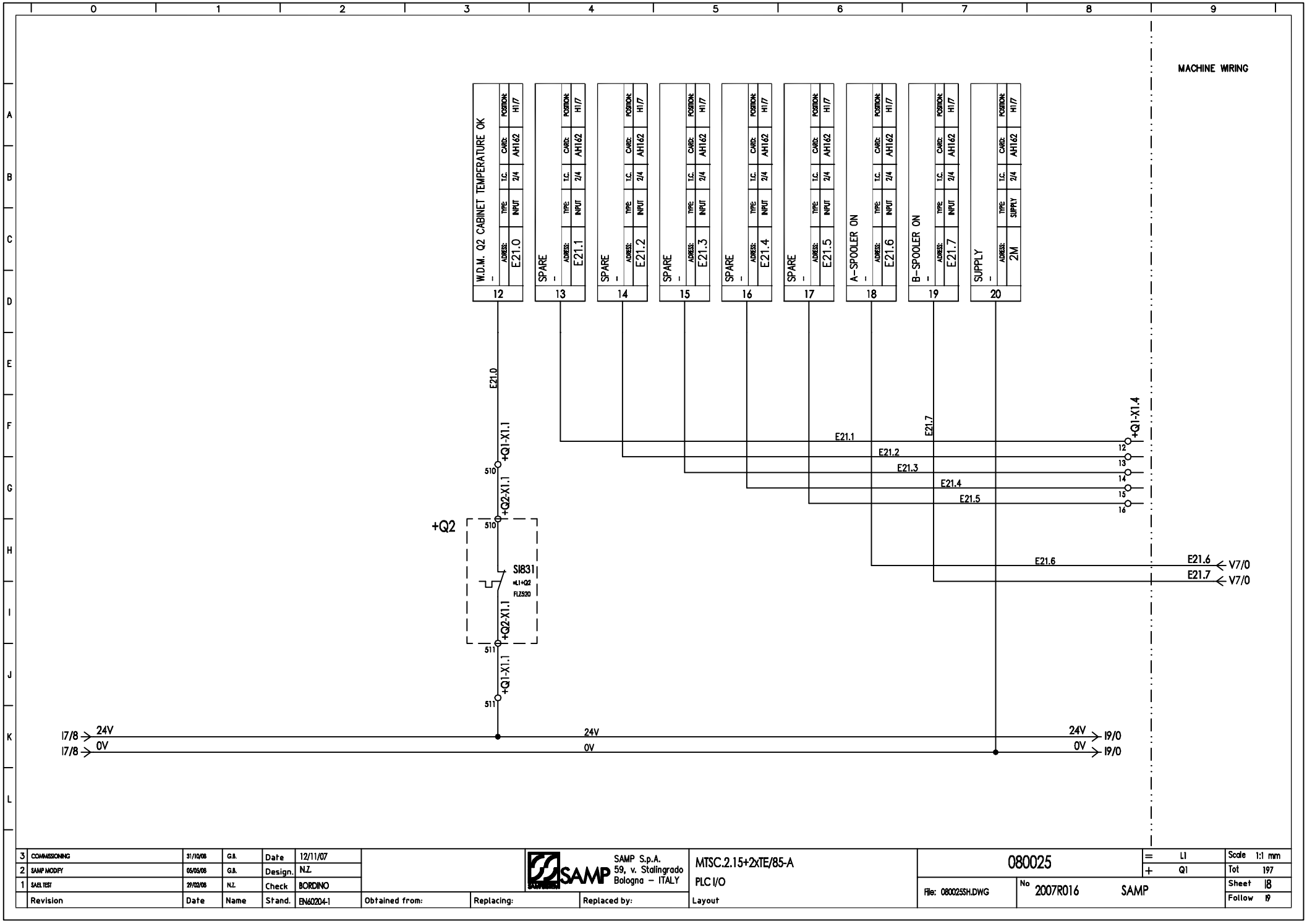


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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow 17

MACHINE WIRING

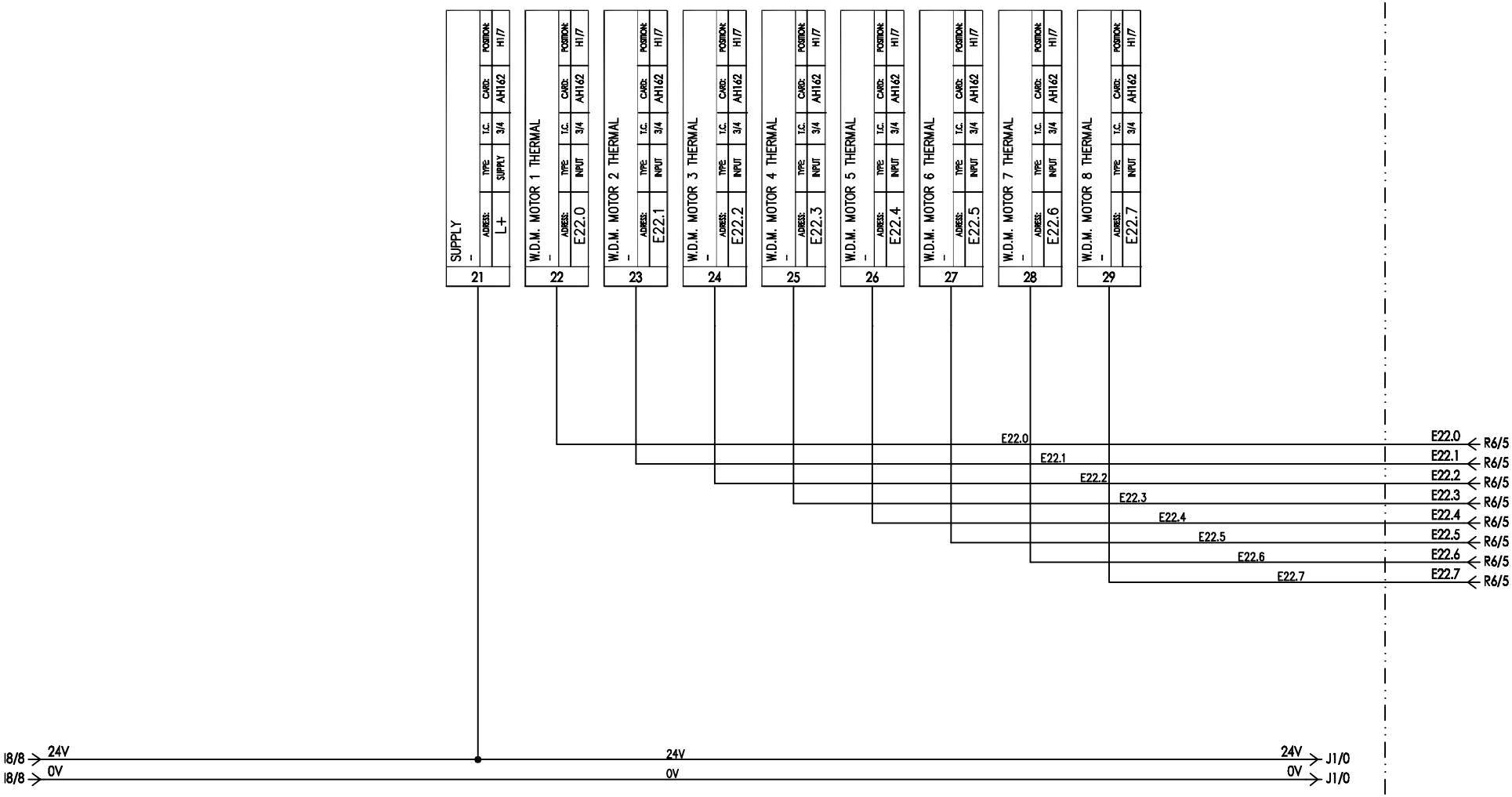


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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow 18



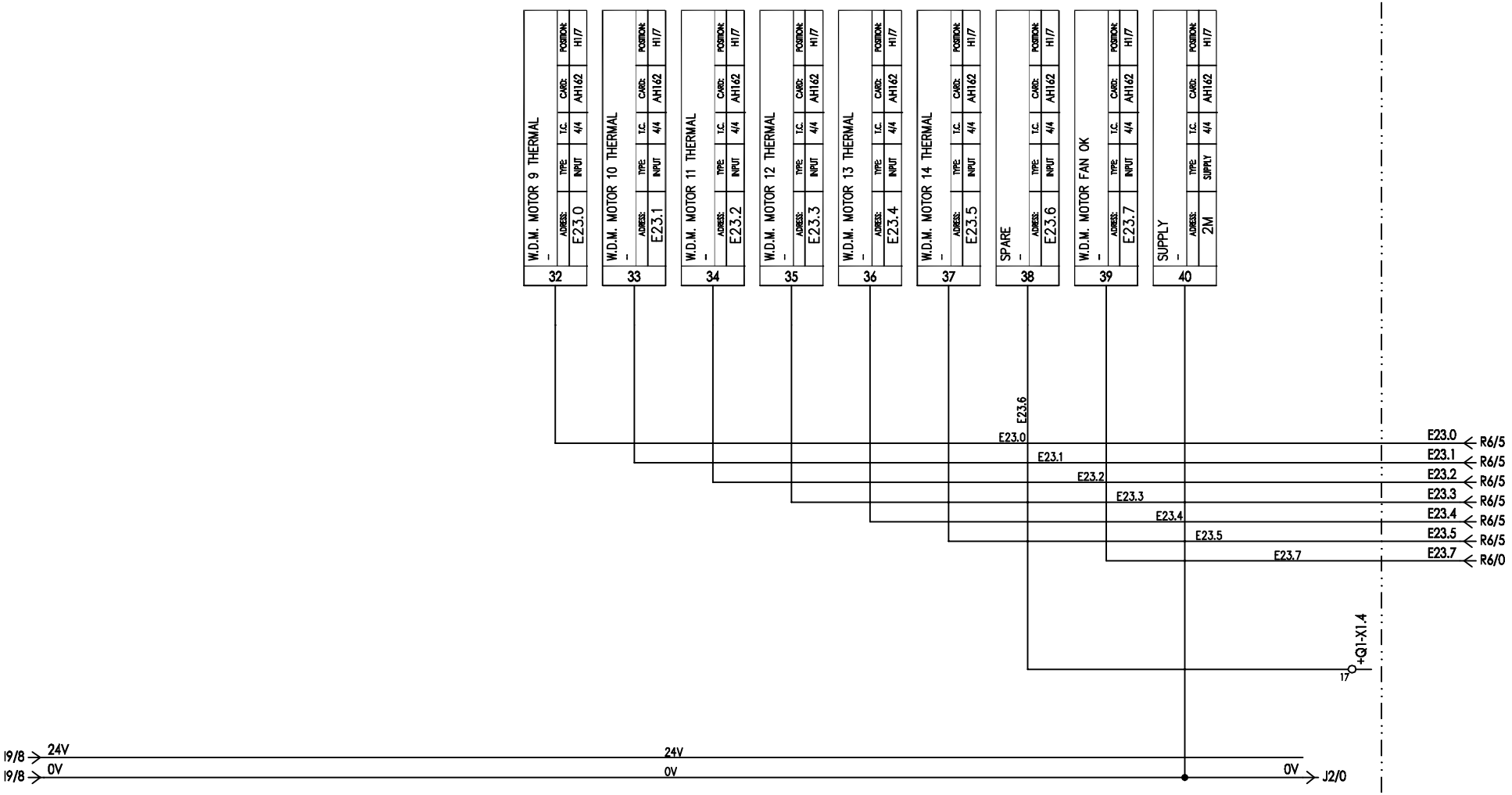
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:			Follow 19

MACHINE WIRING



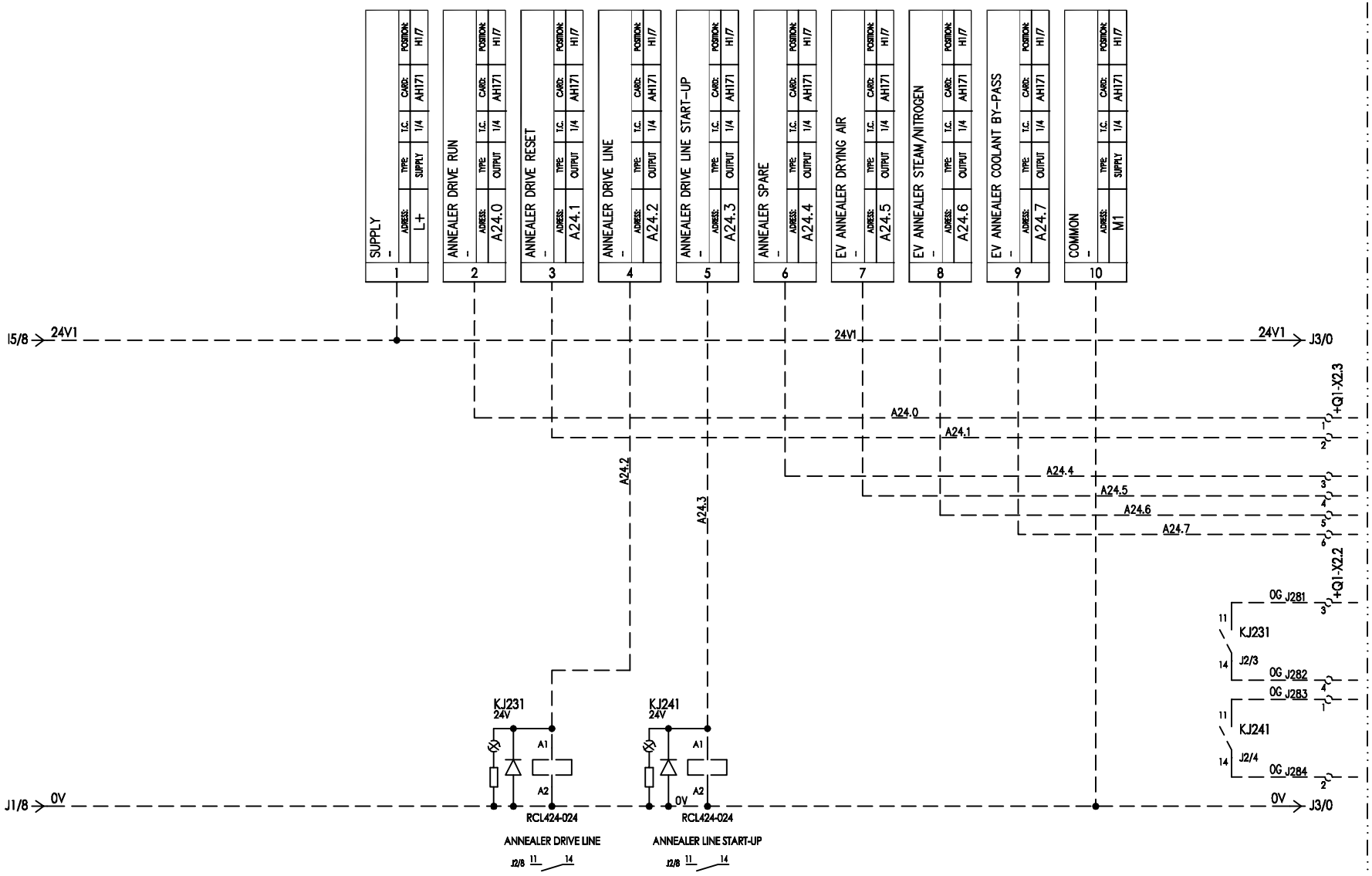
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC I/O		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet 19
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow J1

MACHINE WIRING



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC I/O		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet J1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow J2

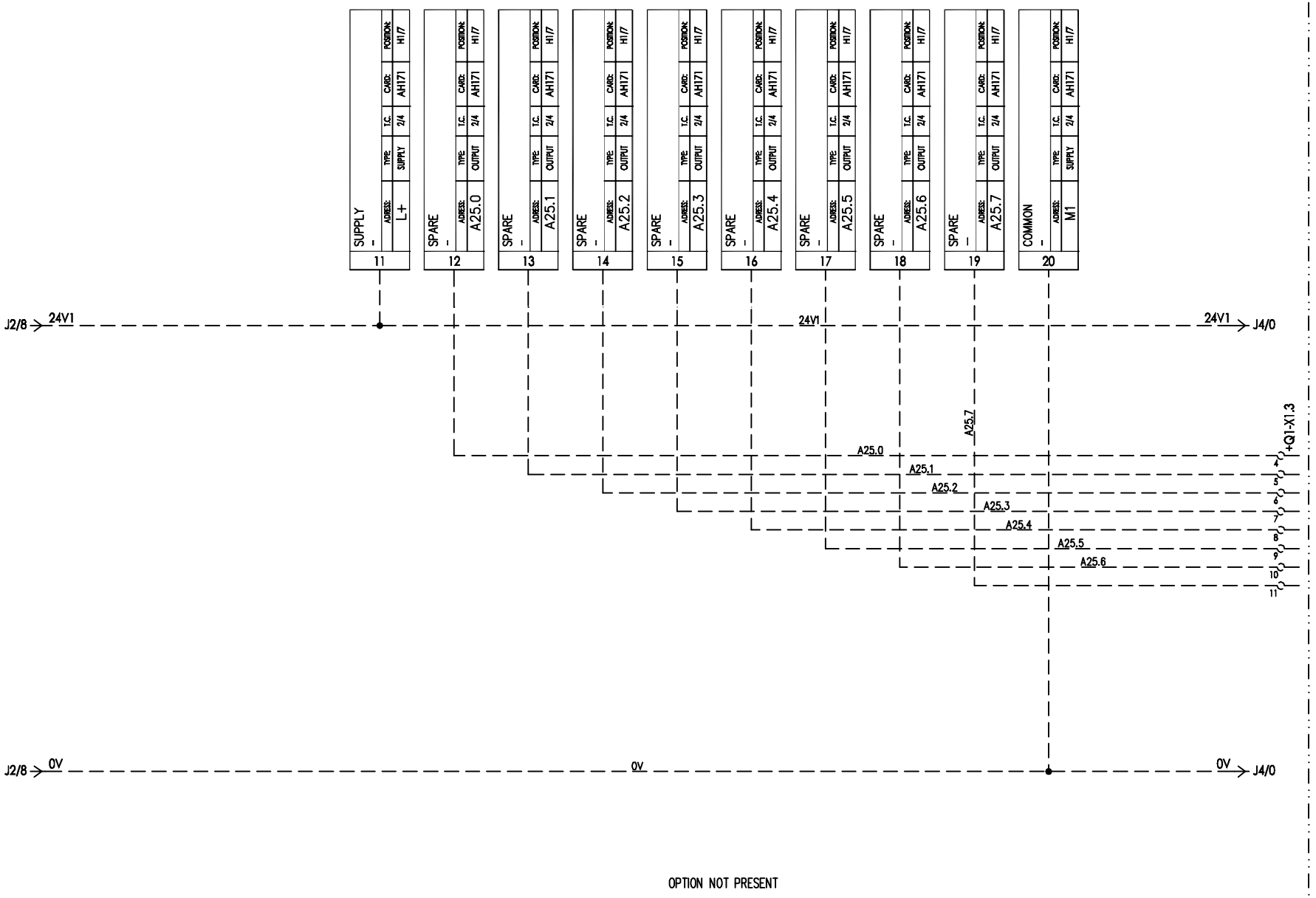
MACHINE WIRING



OPTION NOT PRESENT

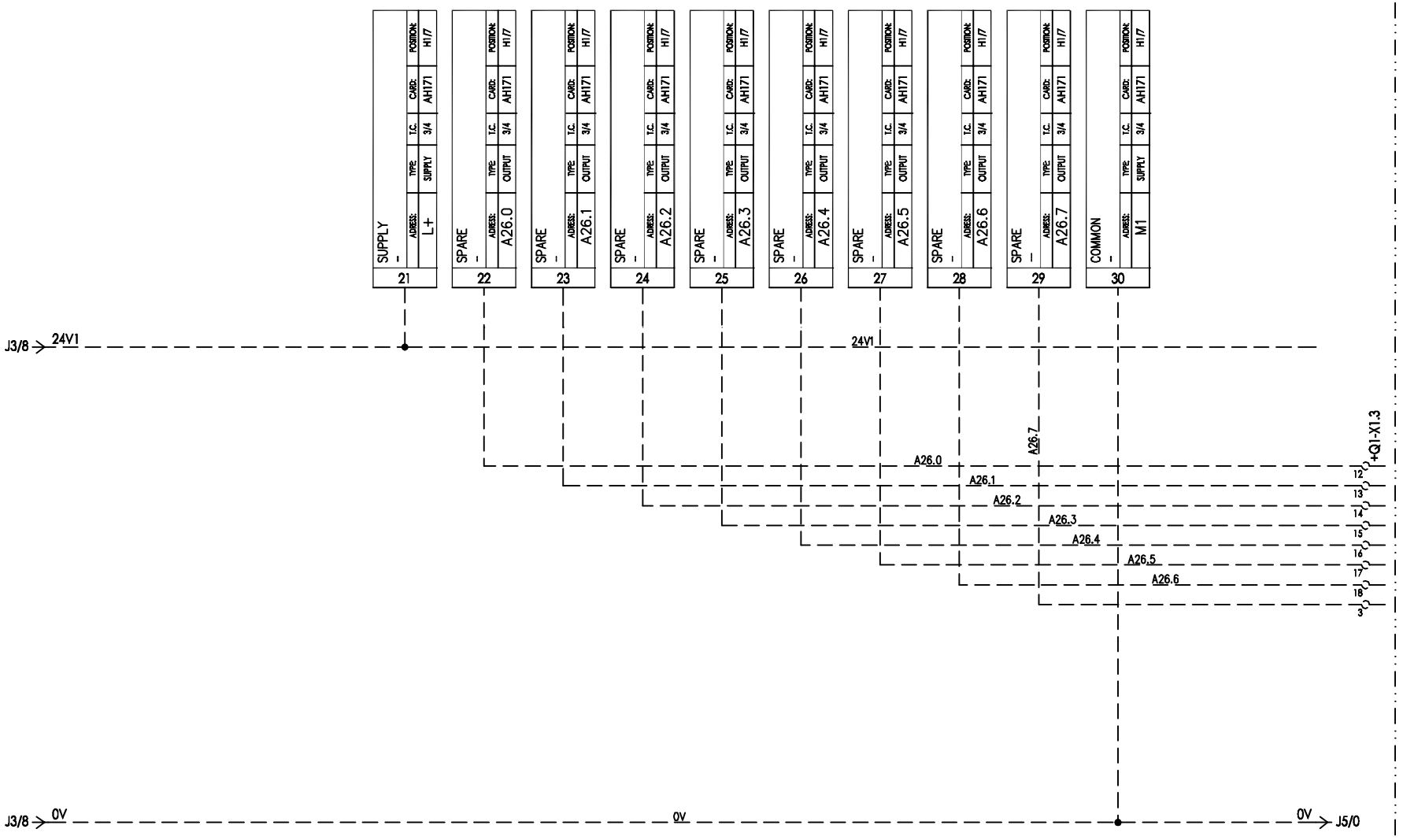
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet J2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow J3

MACHINE WIRING



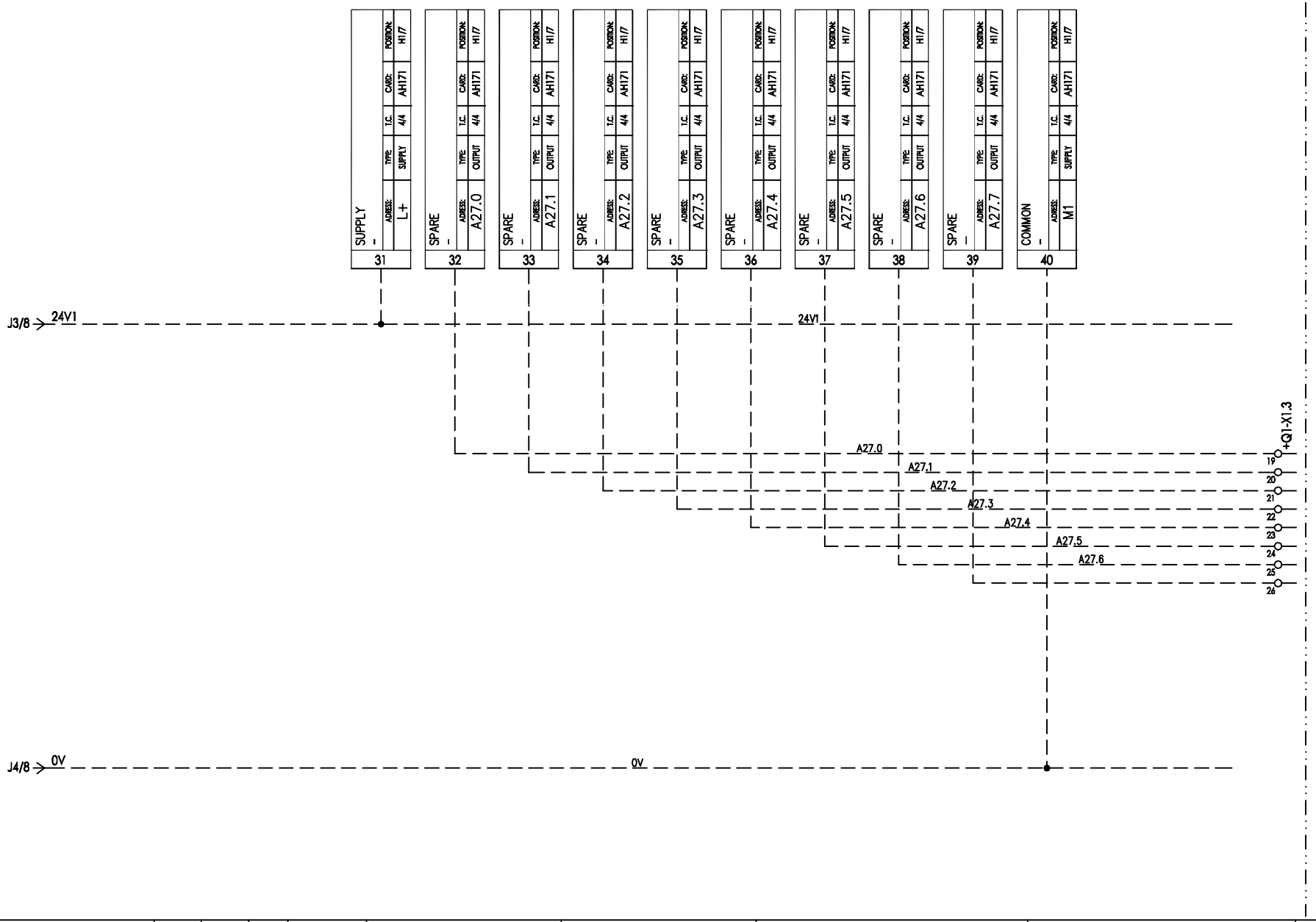
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC I/O		+	Q1	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	J3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	J4

MACHINE WIRING

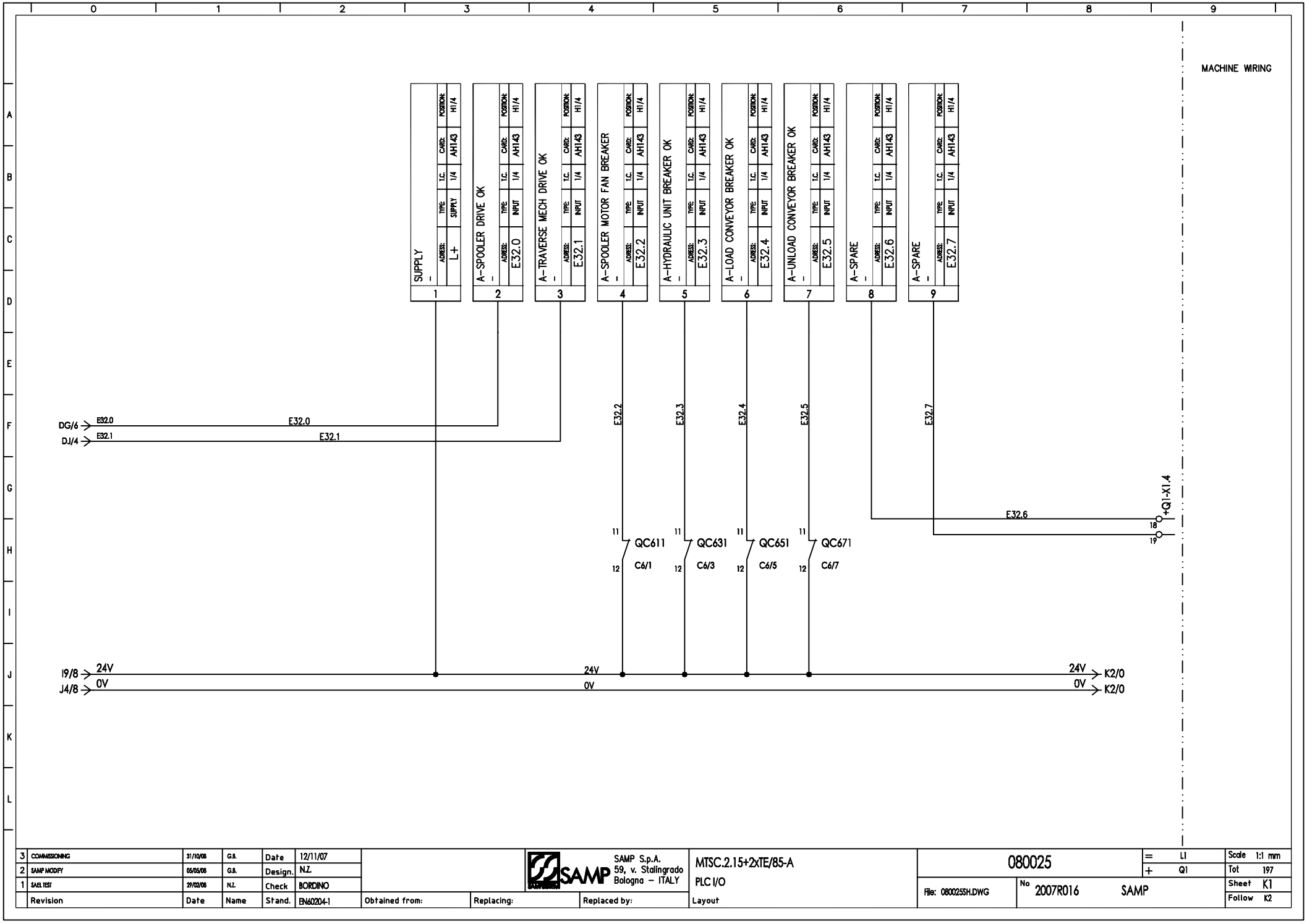


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1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet J4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow J5

MACHINE WIRING

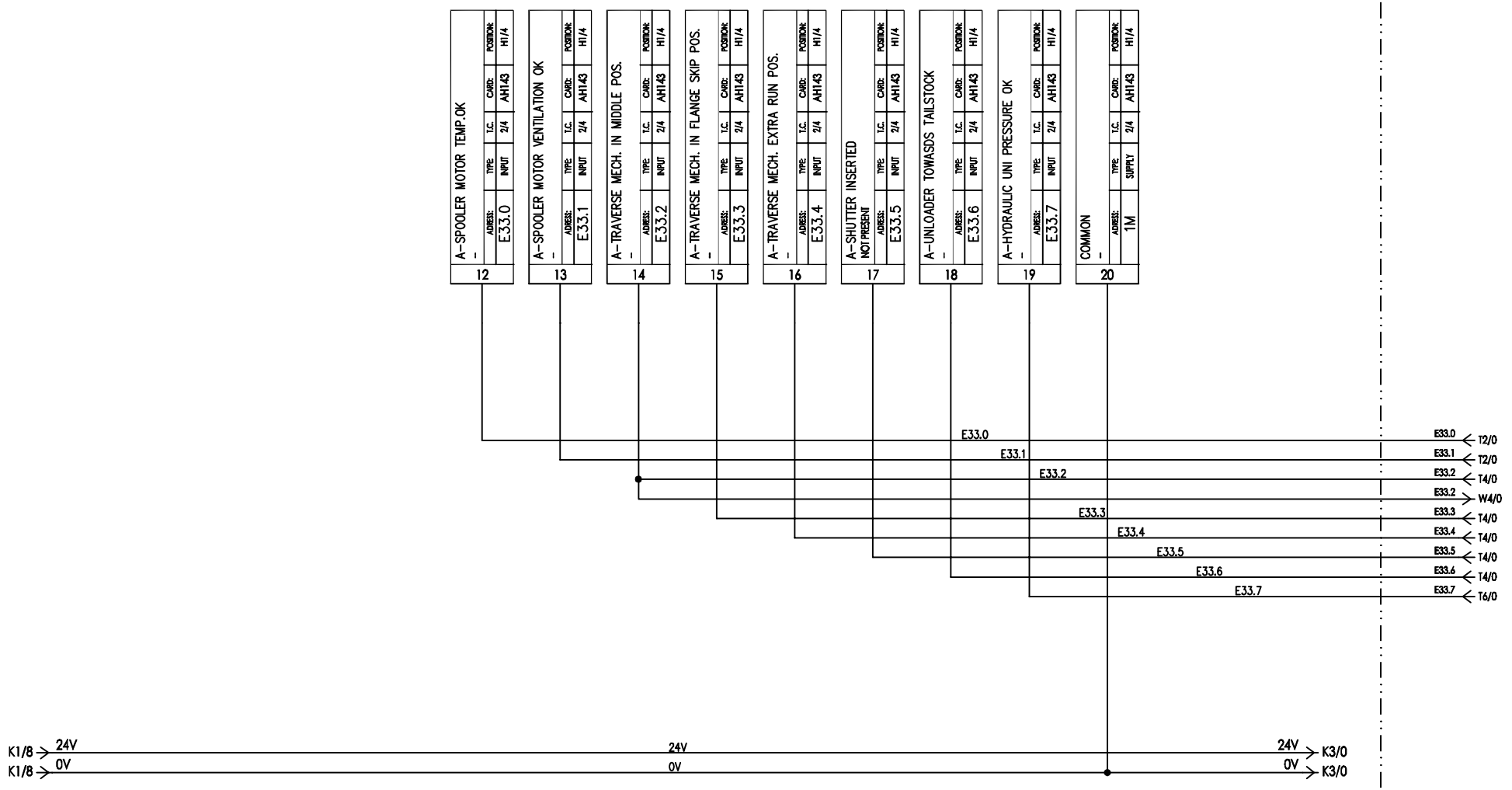


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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC I/O		+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet J5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow K1



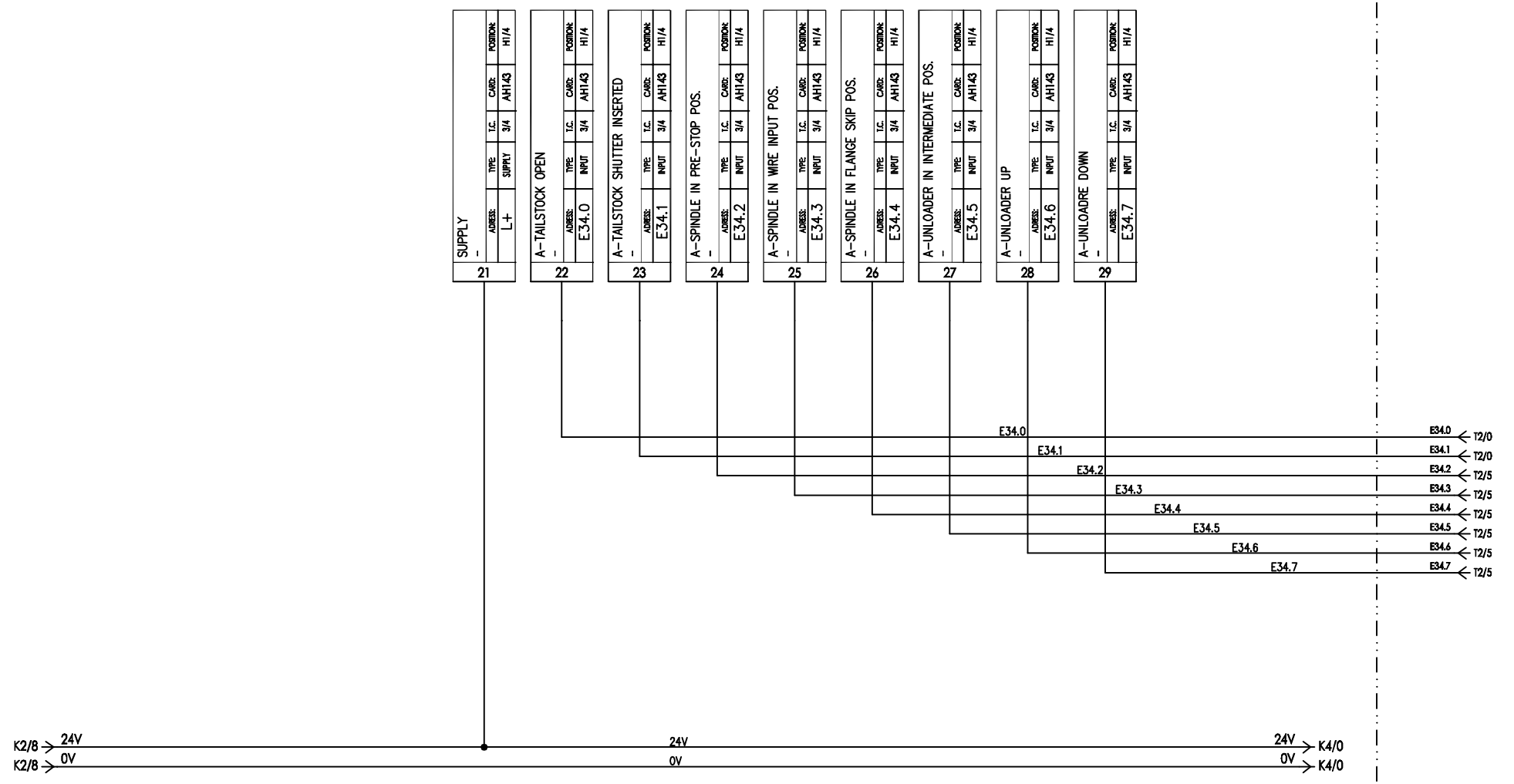
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet K1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow K2

MACHINE WIRING



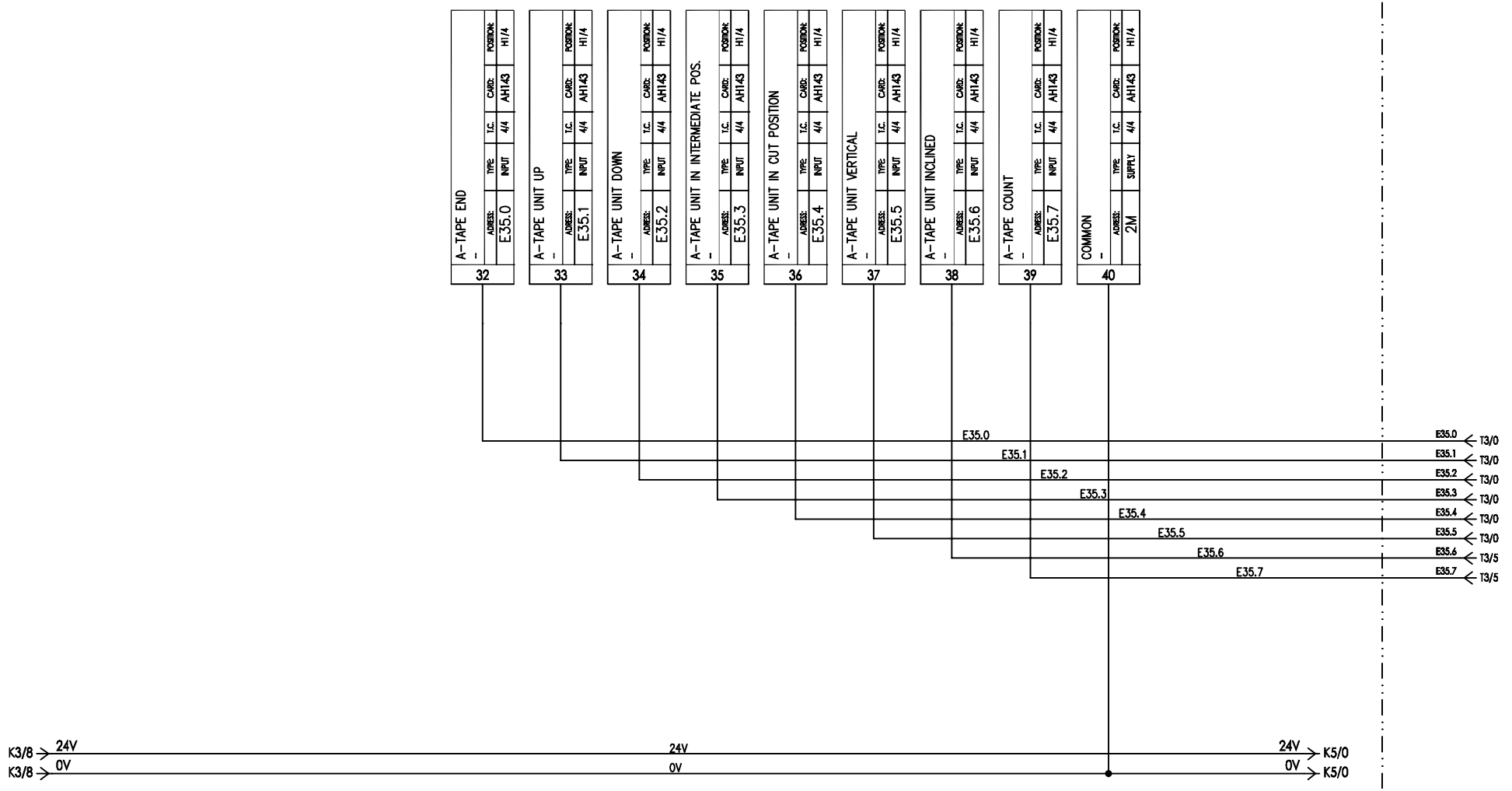
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.				+ Q1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet K2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from: / Replacing: / Replaced by:	Layout			Follow K3

MACHINE WIRING



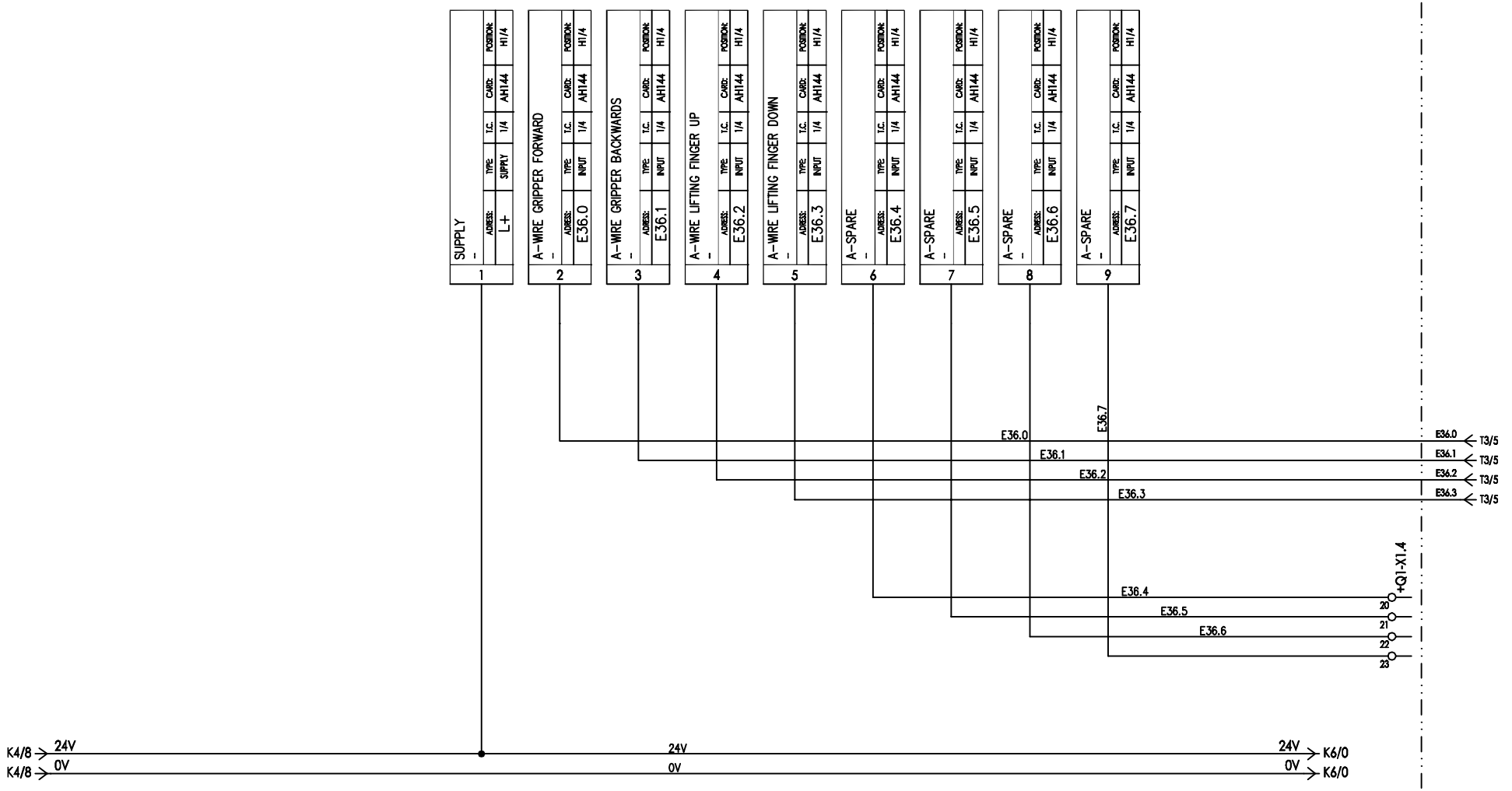
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ Q1	Tot 197
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow K4

MACHINE WIRING



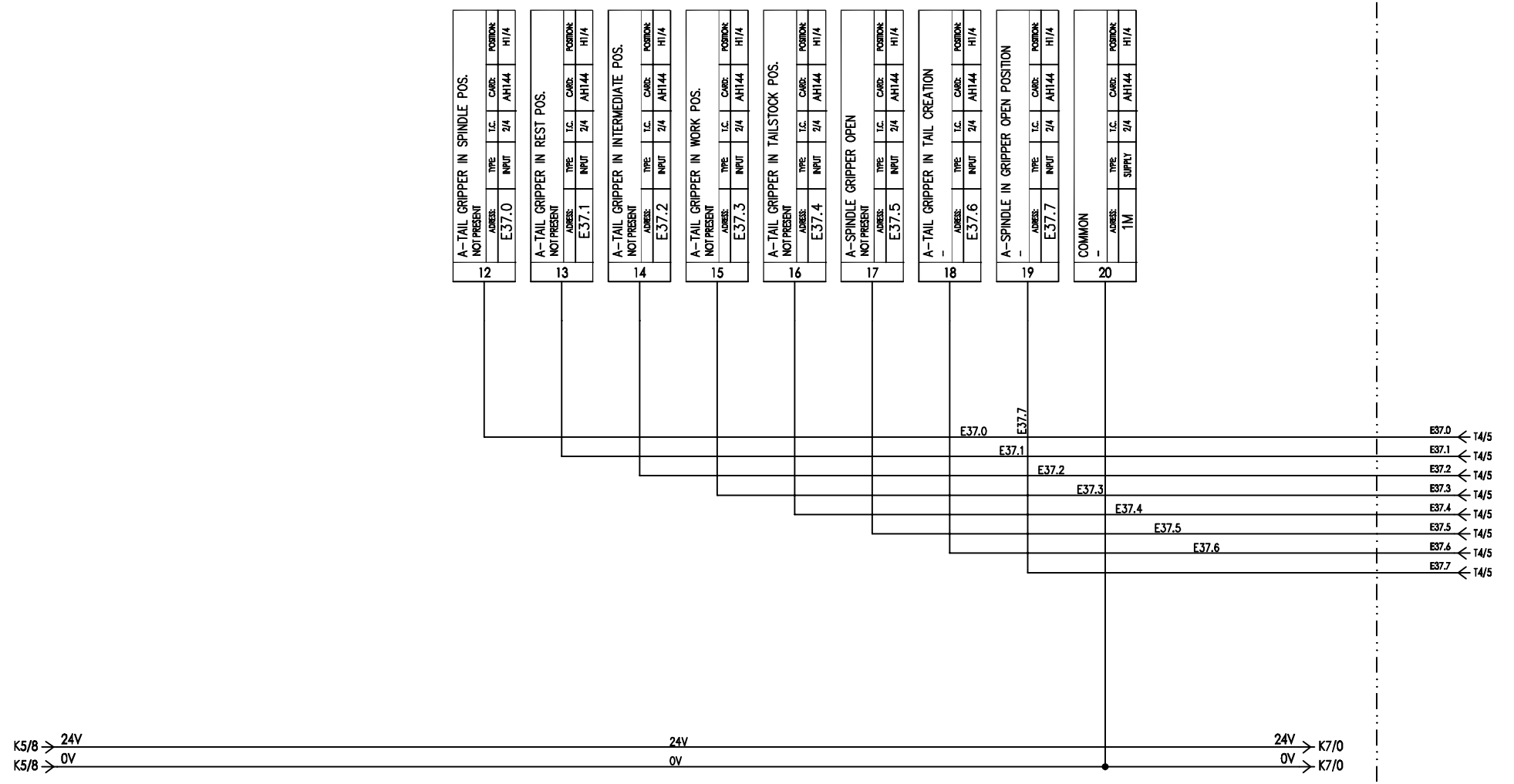
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			PLC I/O		+	Q1	Tot	197
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	K5

MACHINE WIRING



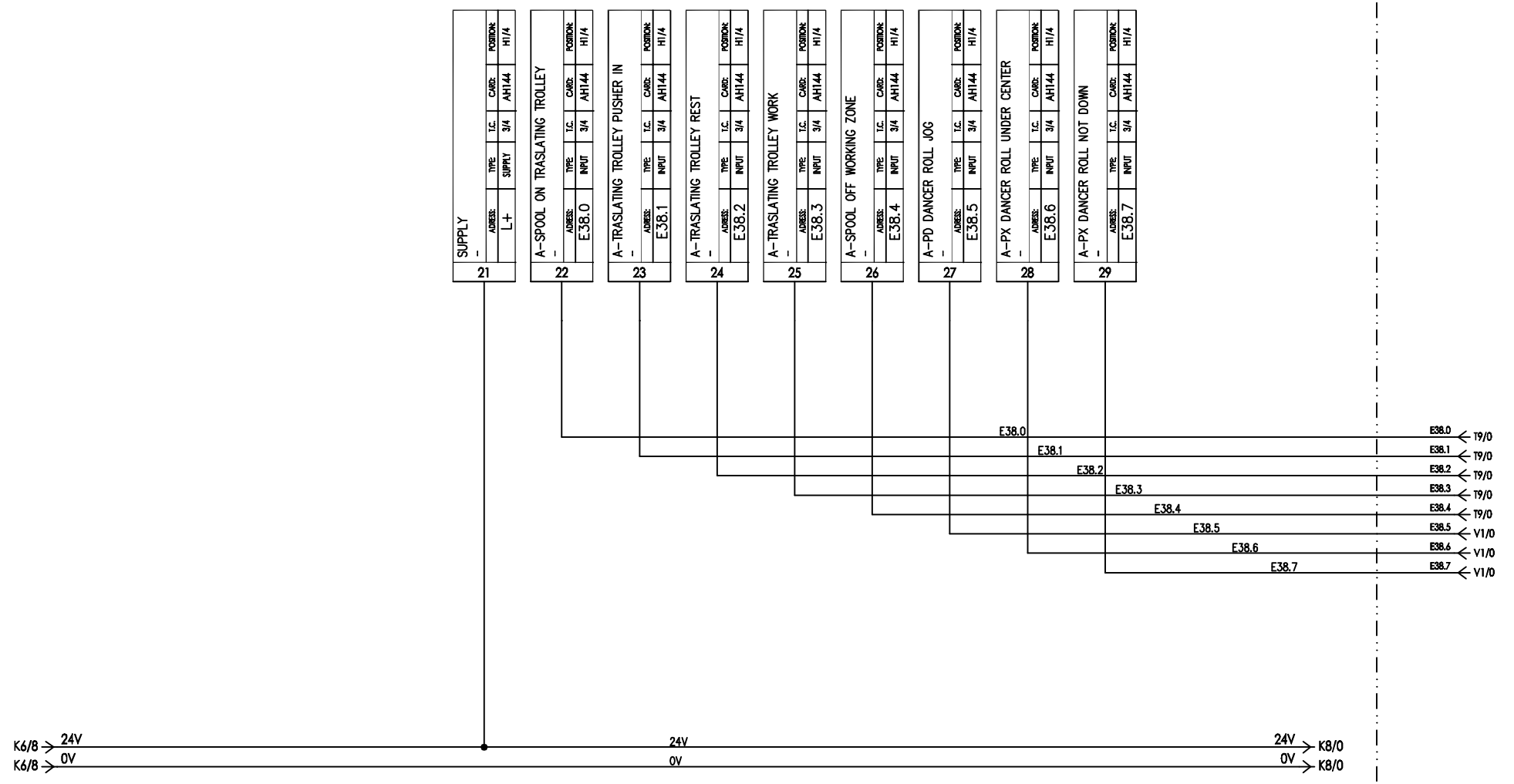
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:			Follow K6

MACHINE WIRING



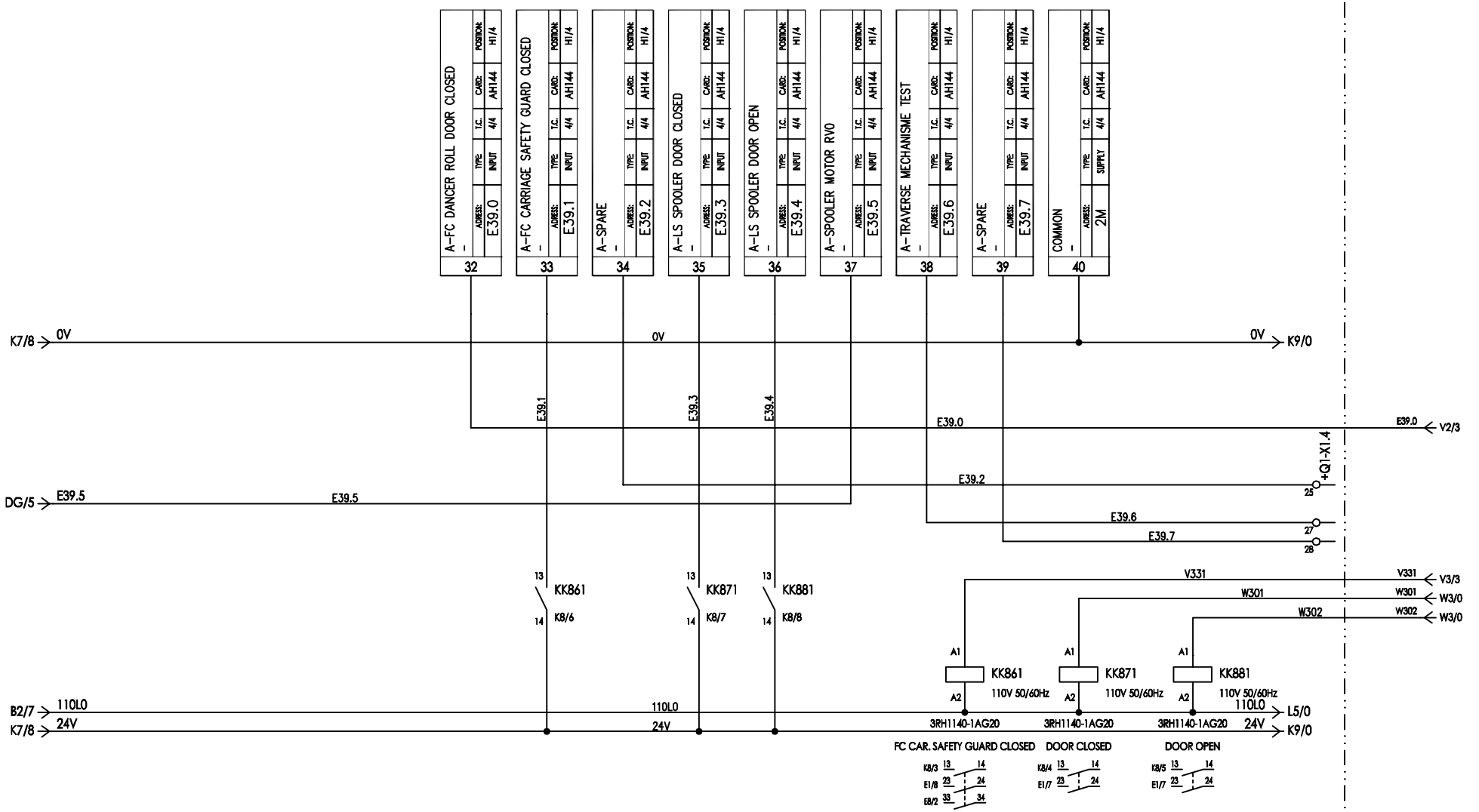
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow K7

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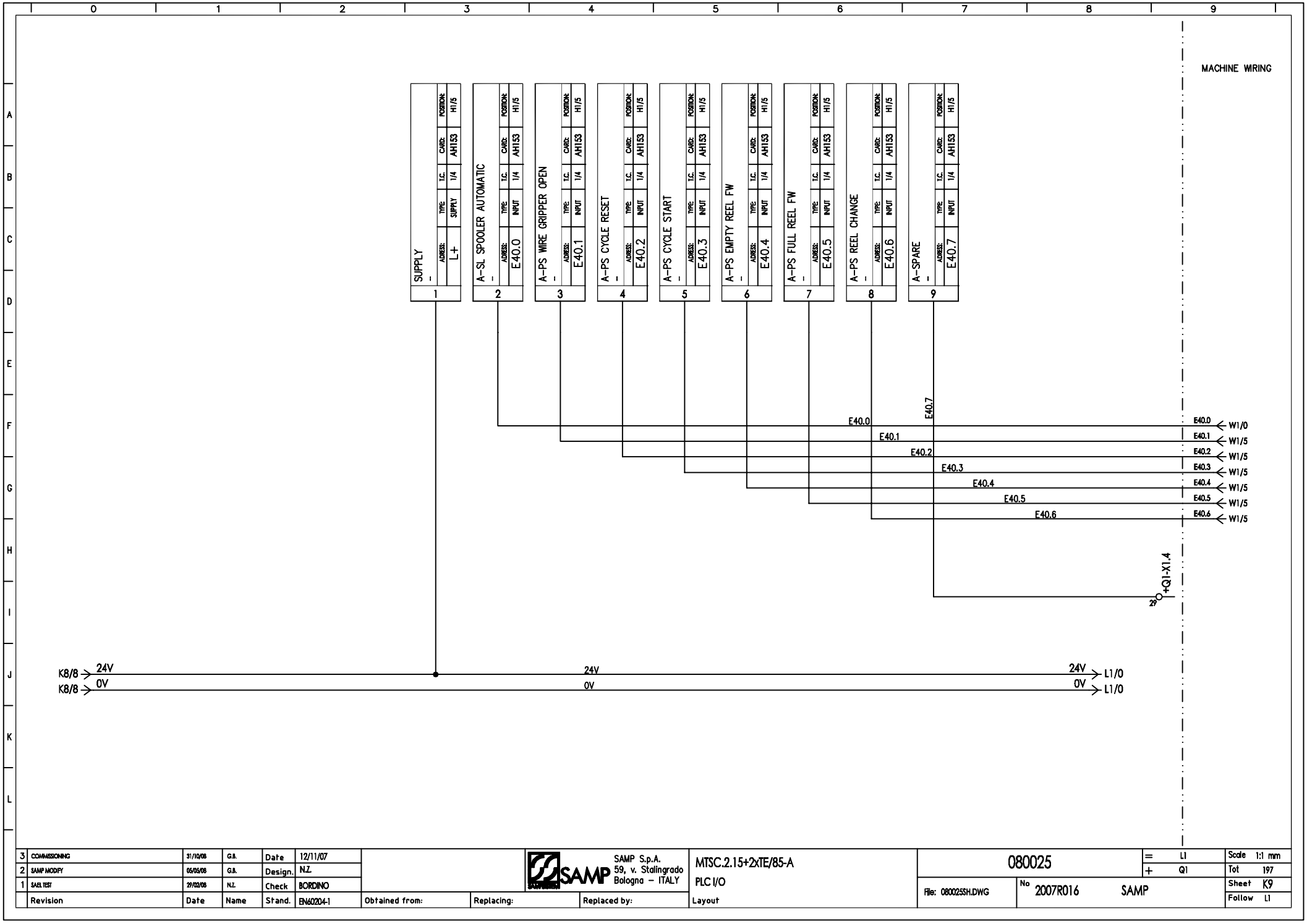


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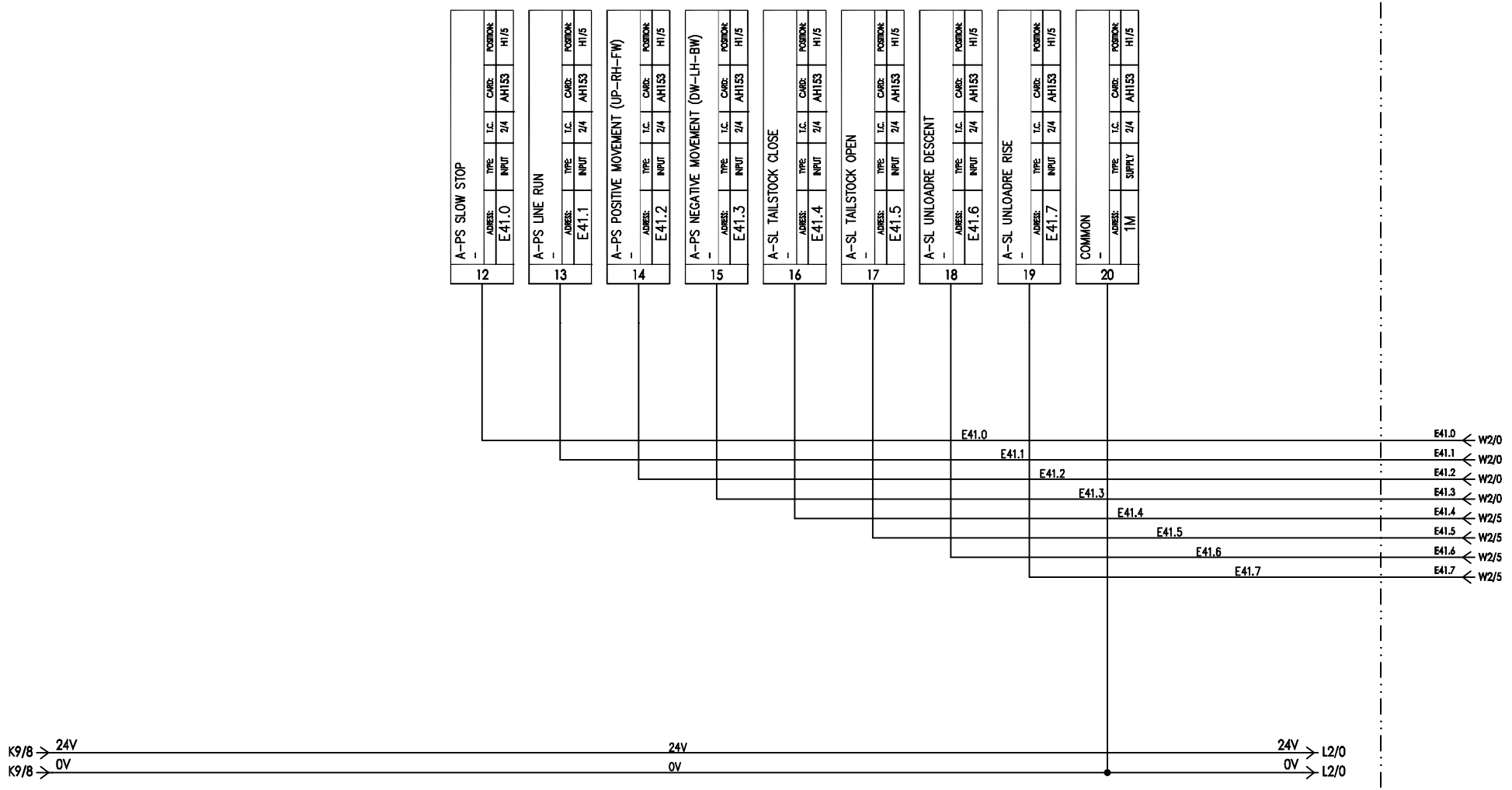


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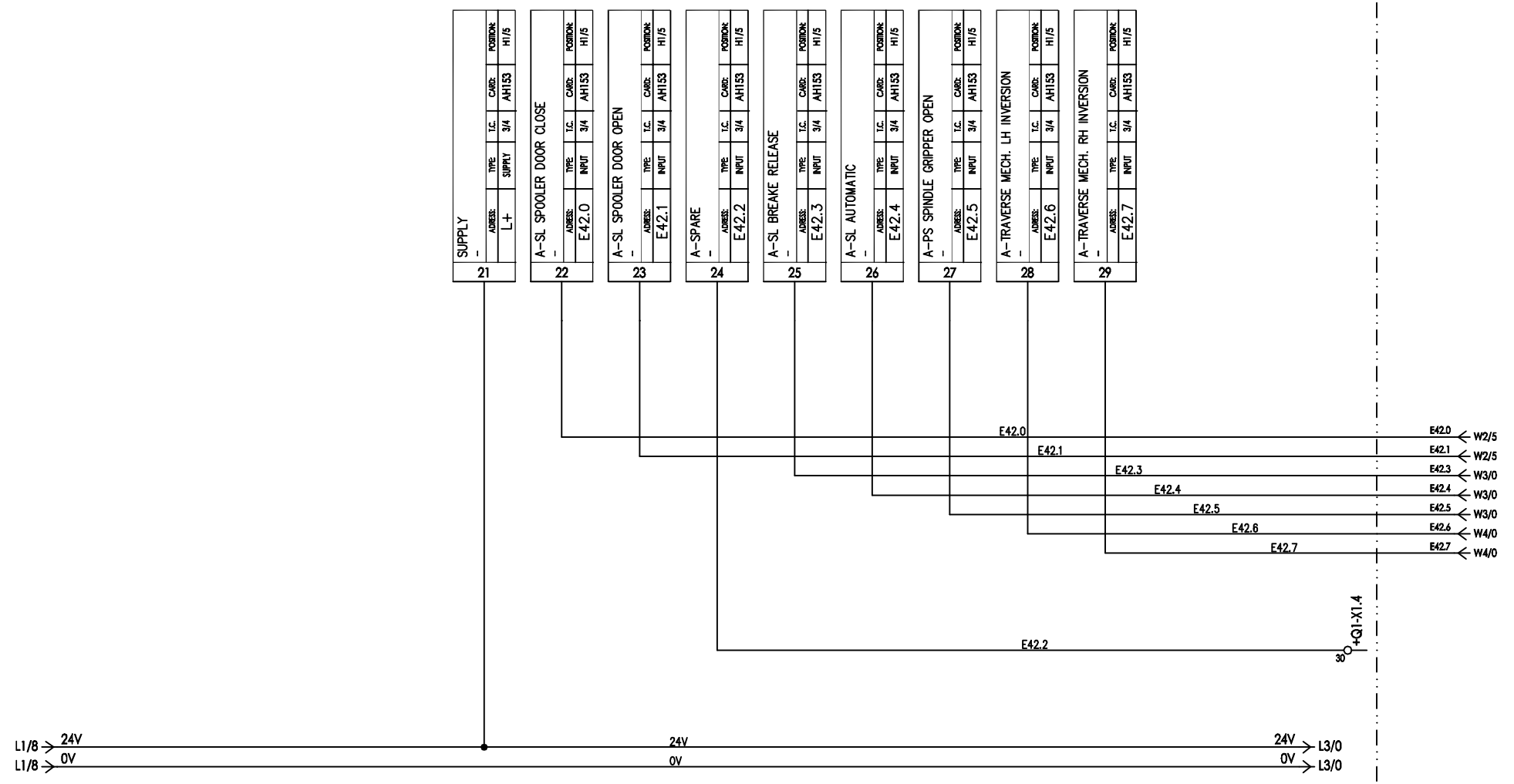
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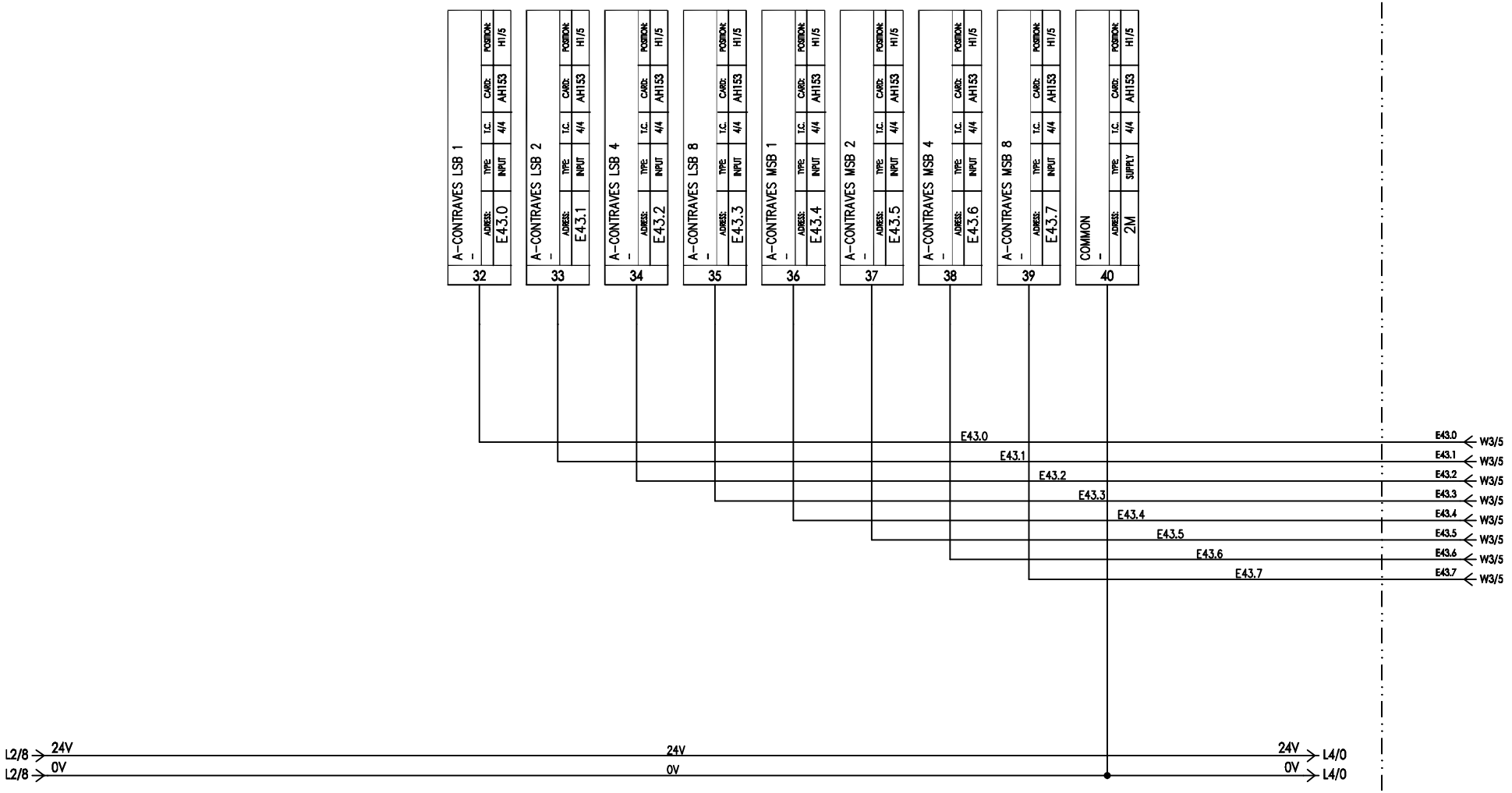
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow L2

MACHINE WIRING

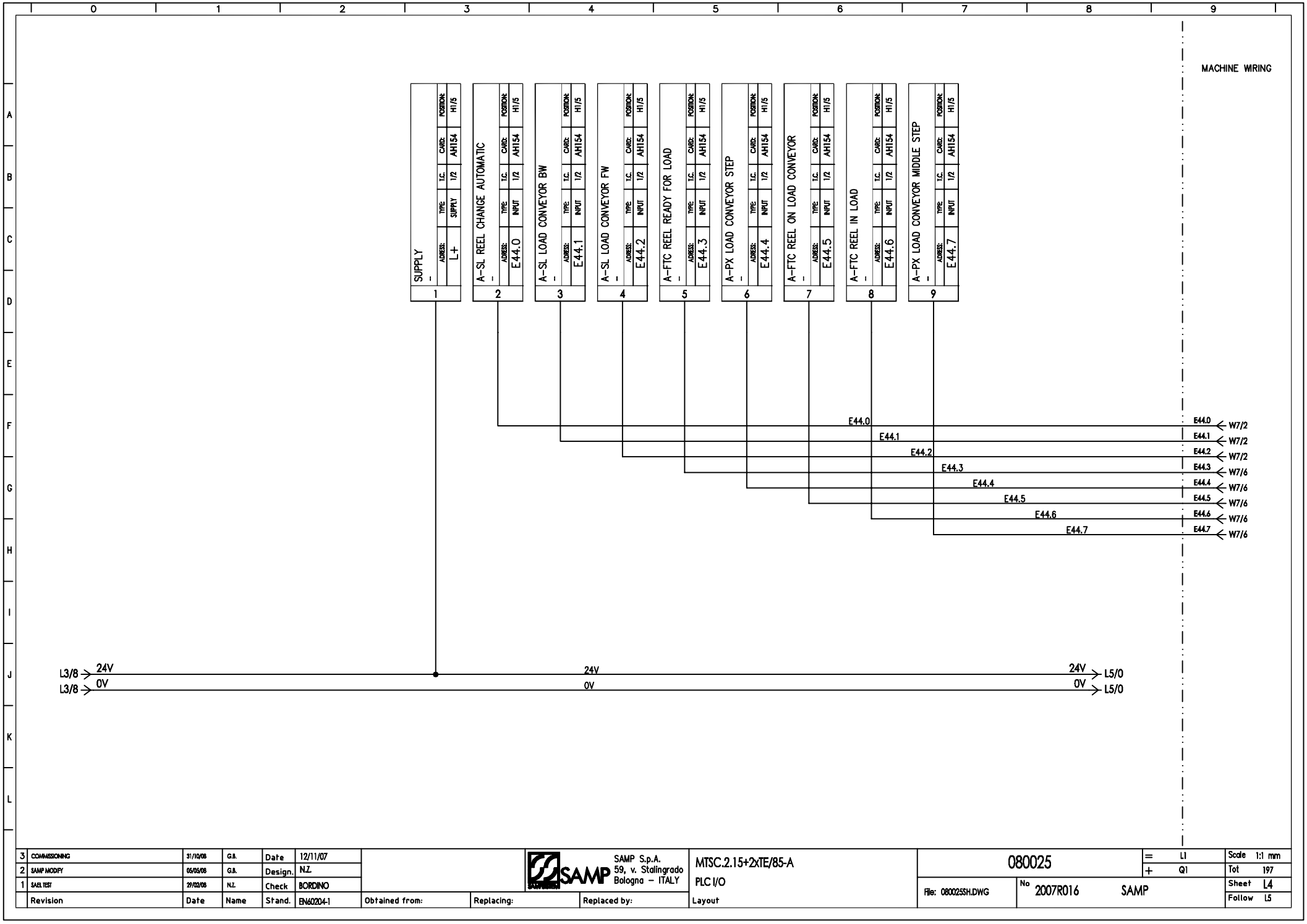


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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	L3

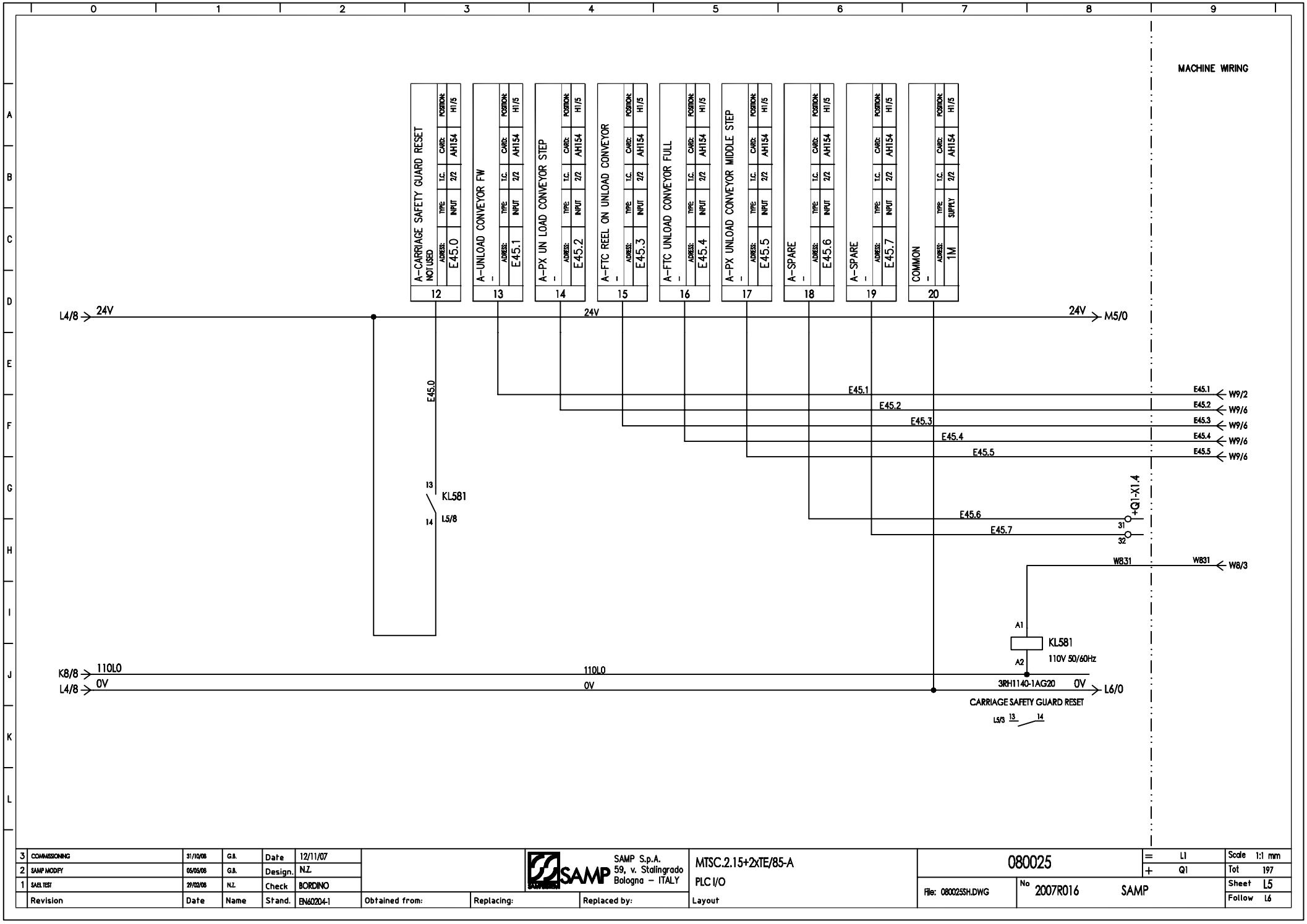
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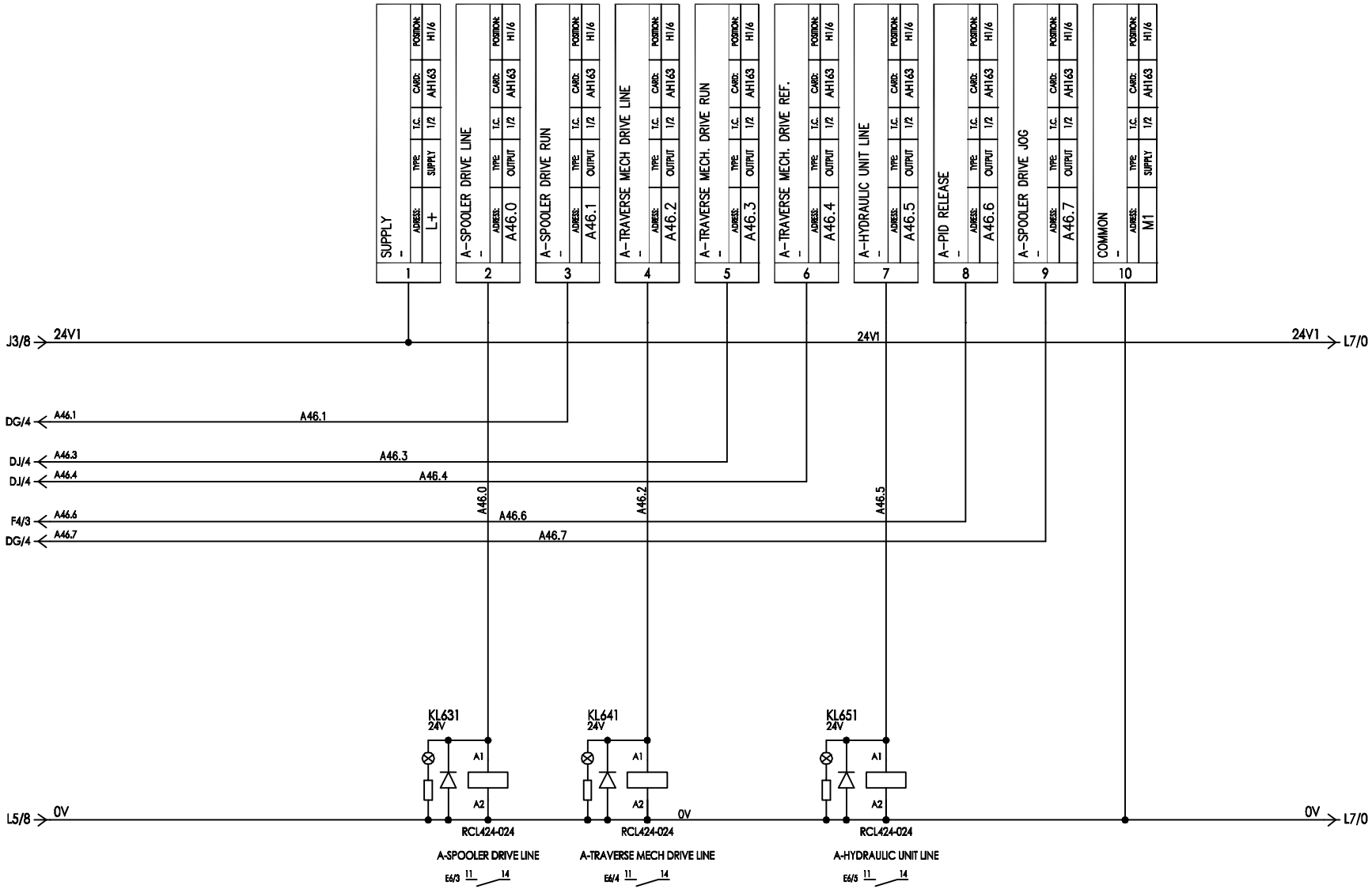


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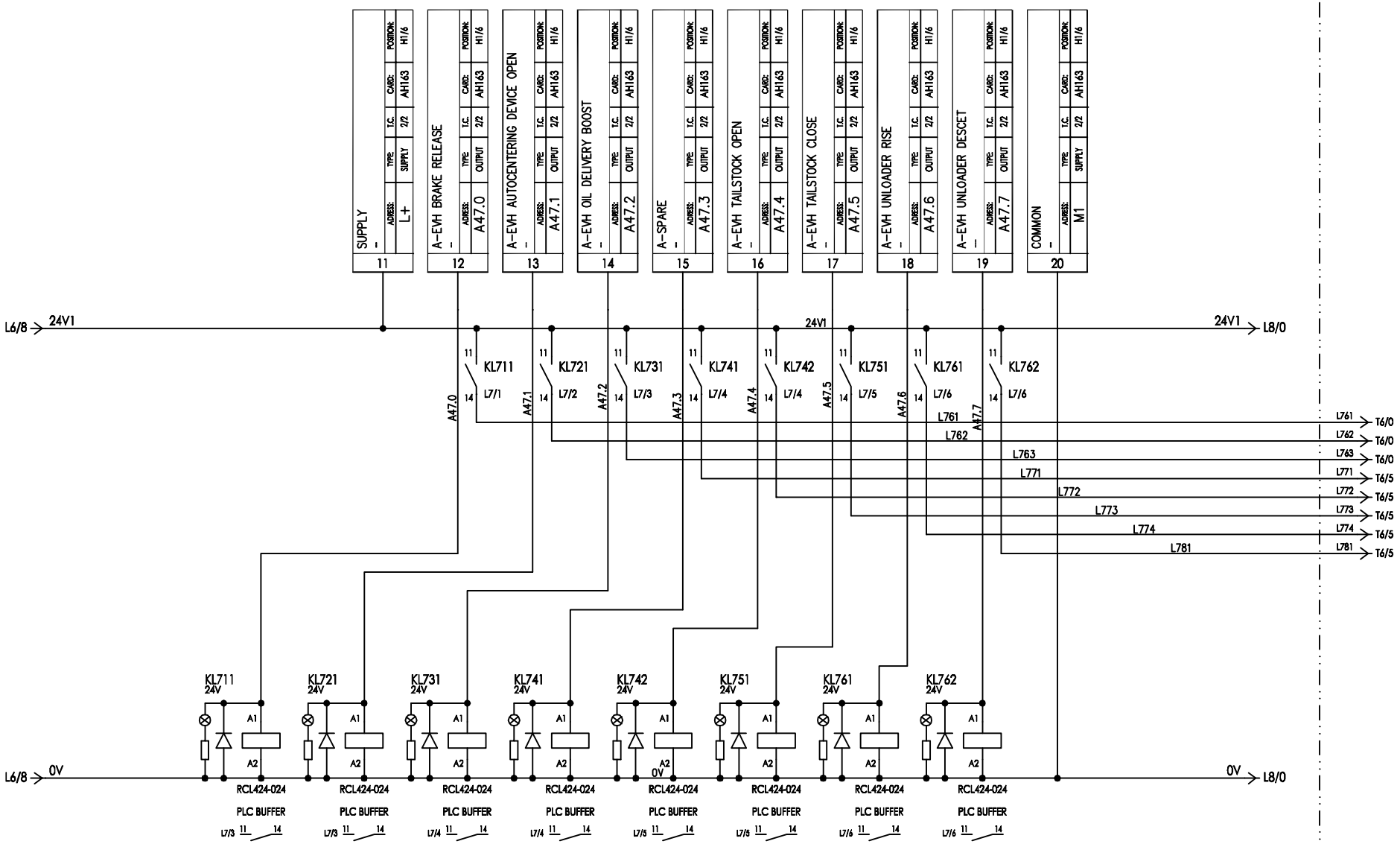
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow L6

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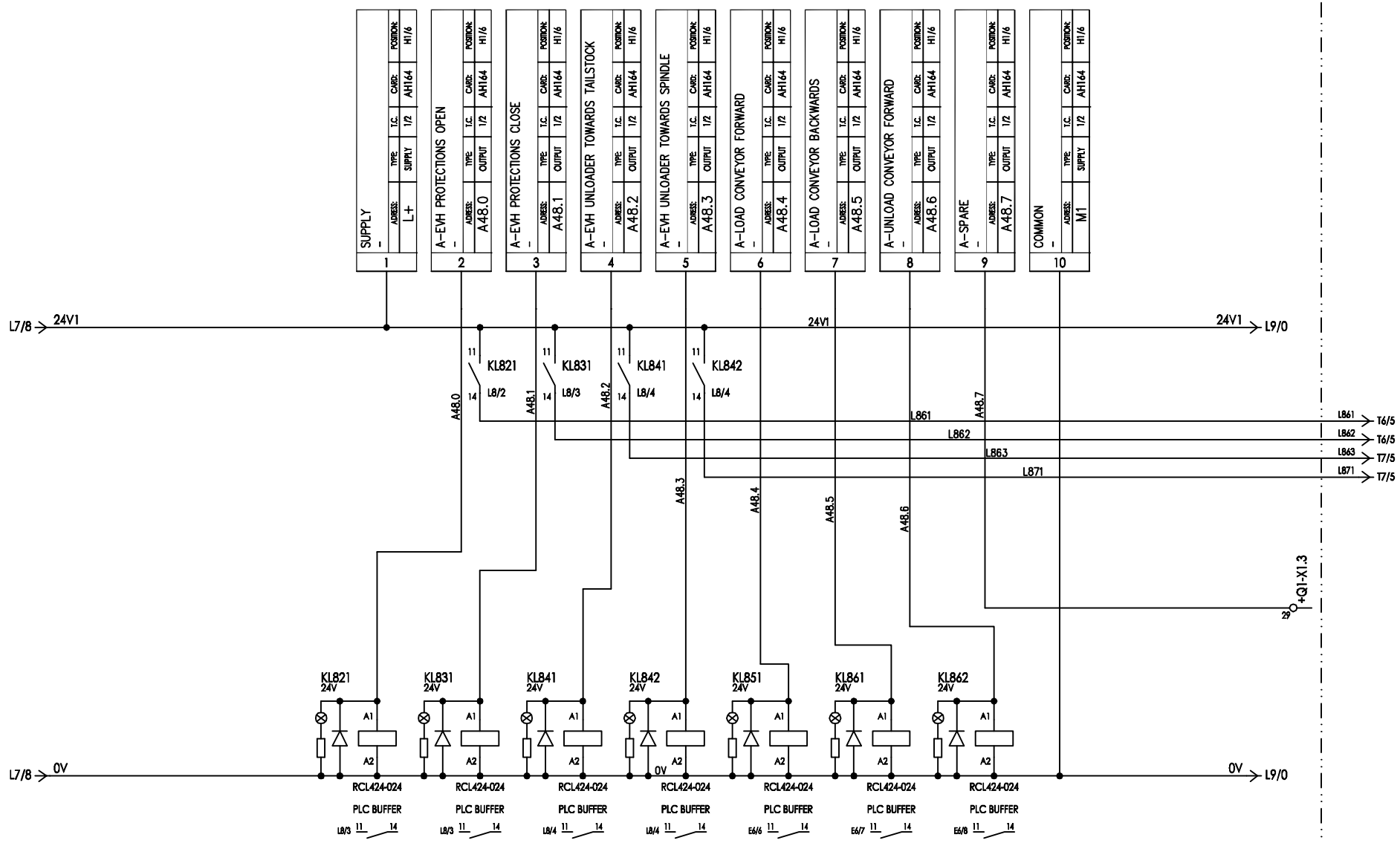
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MACHINE WIRING



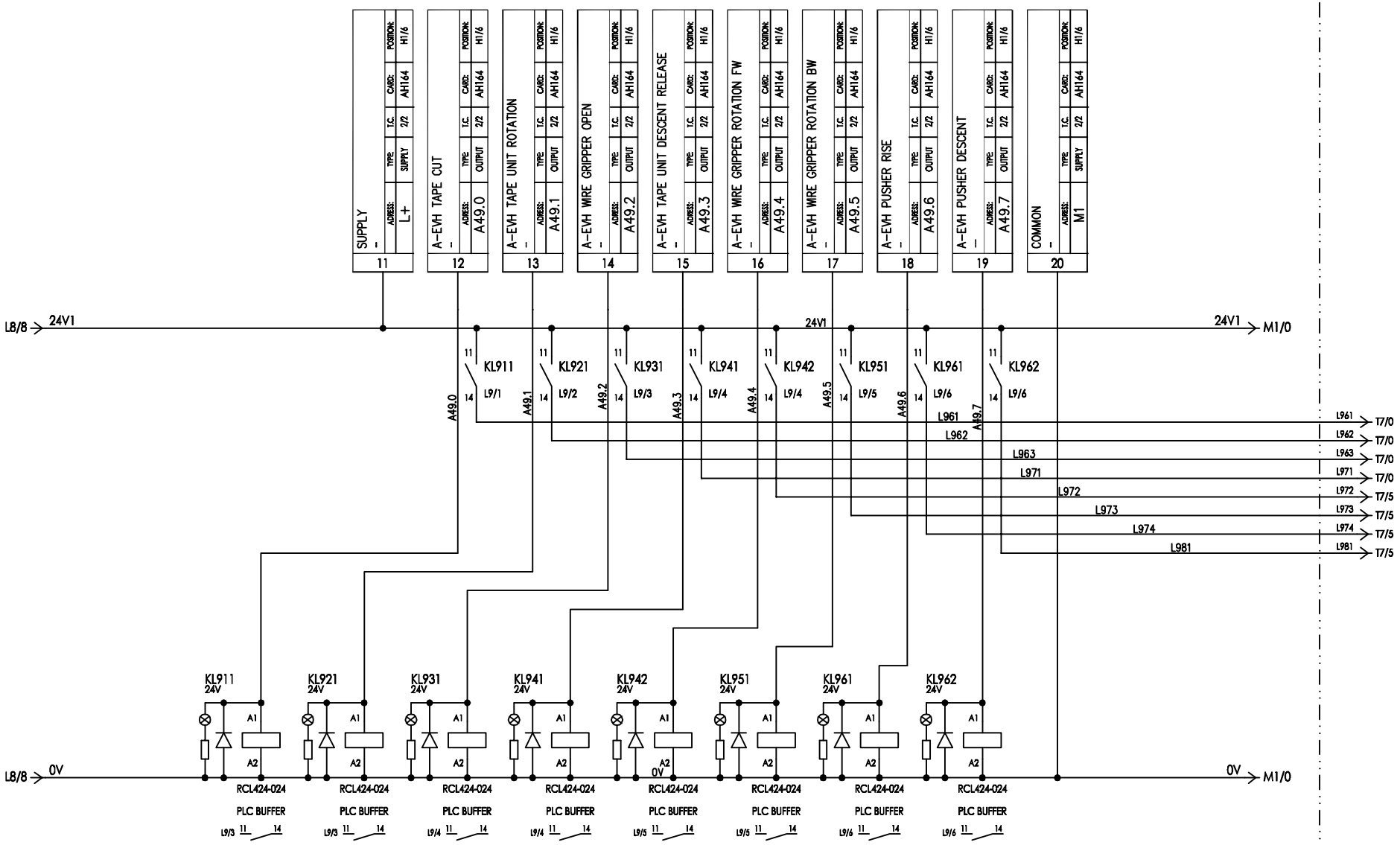
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MACHINE WIRING



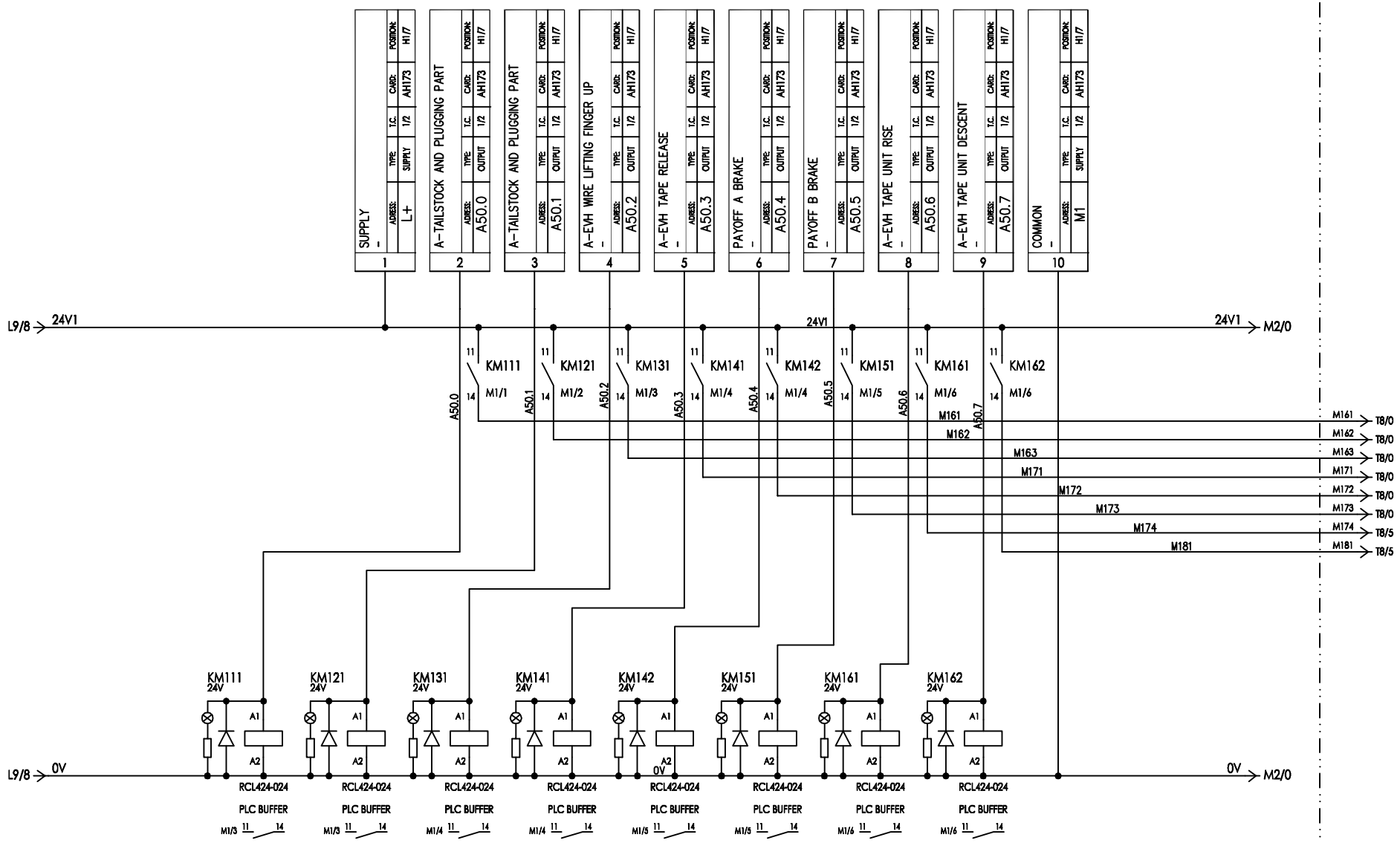
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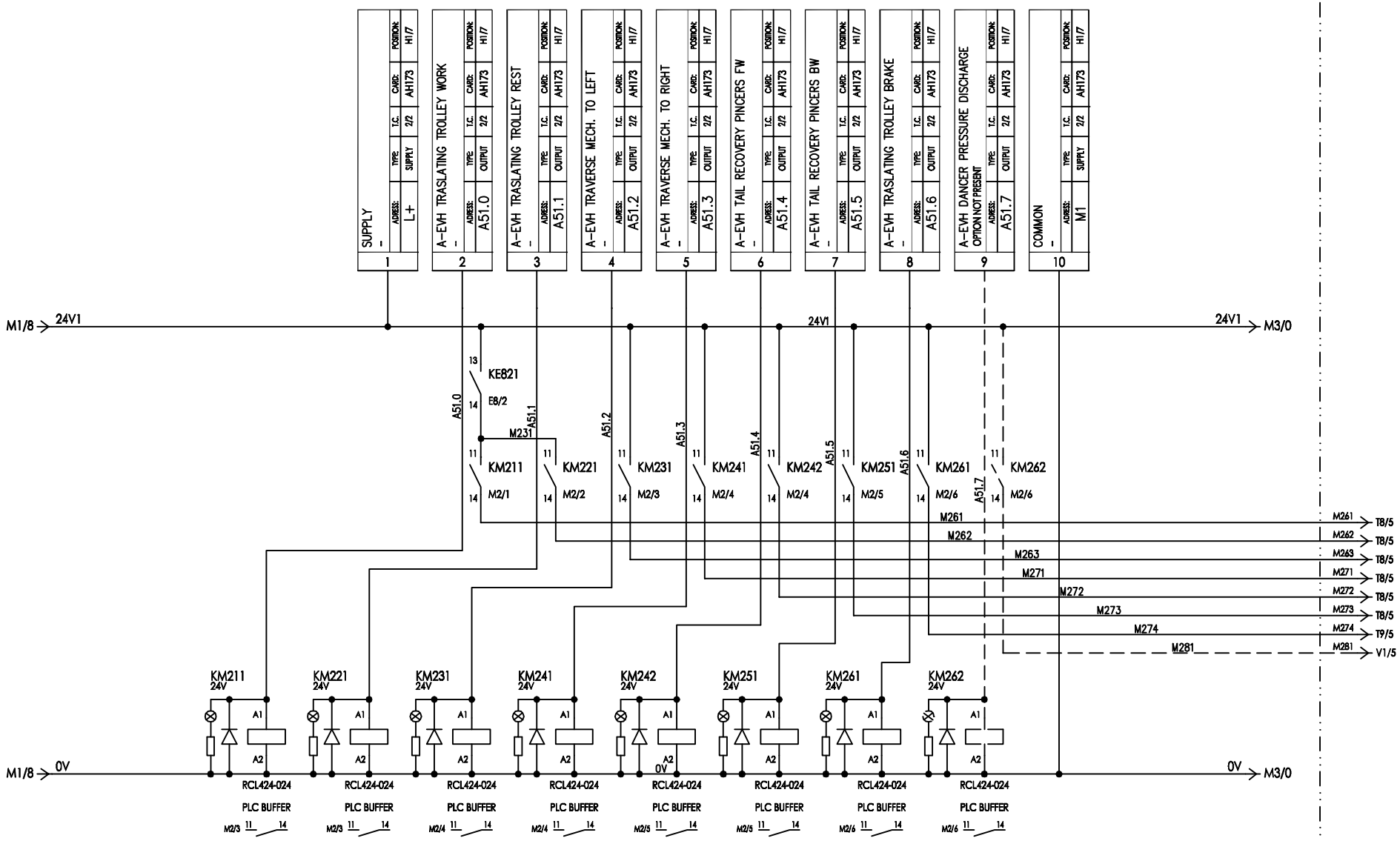
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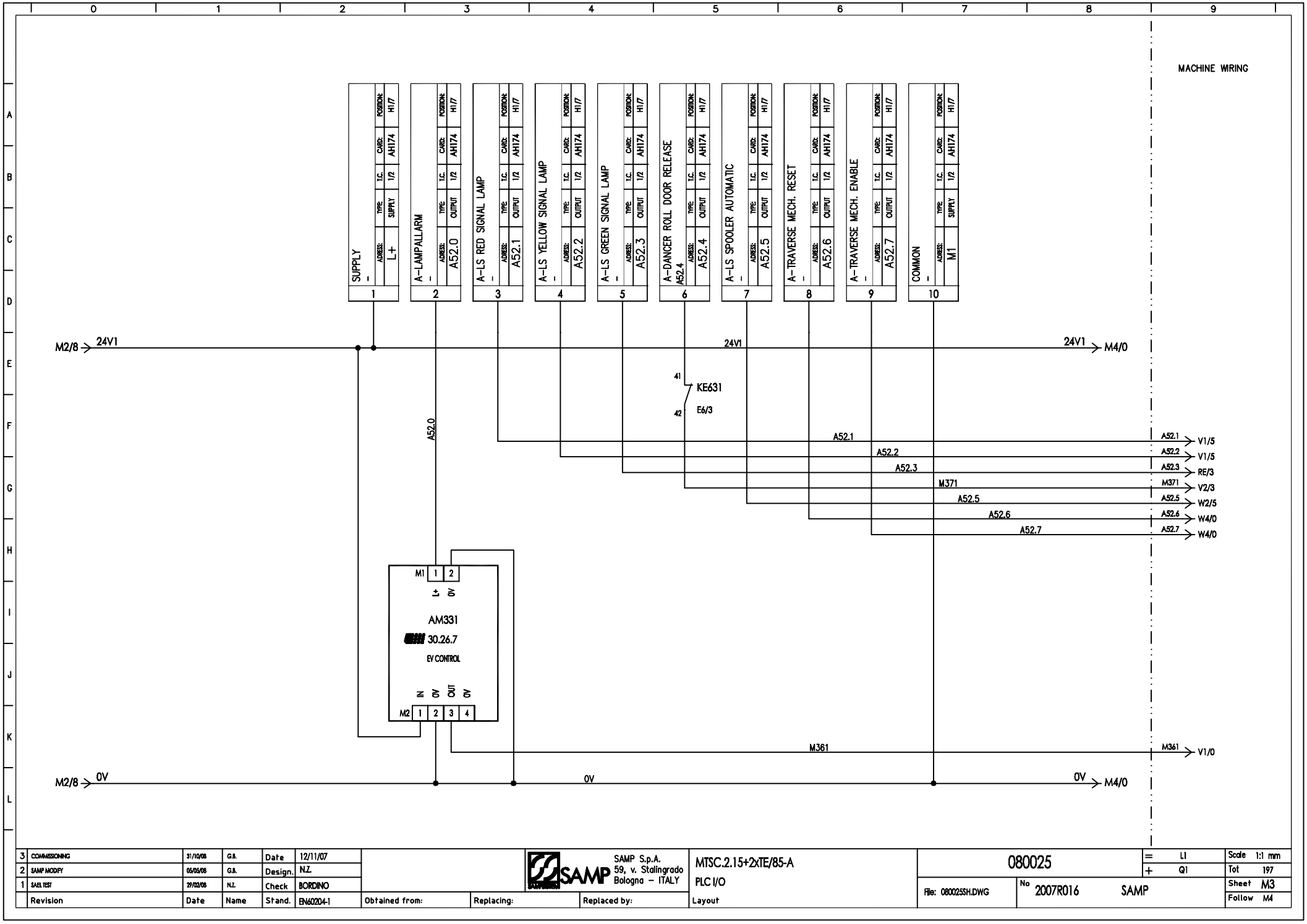


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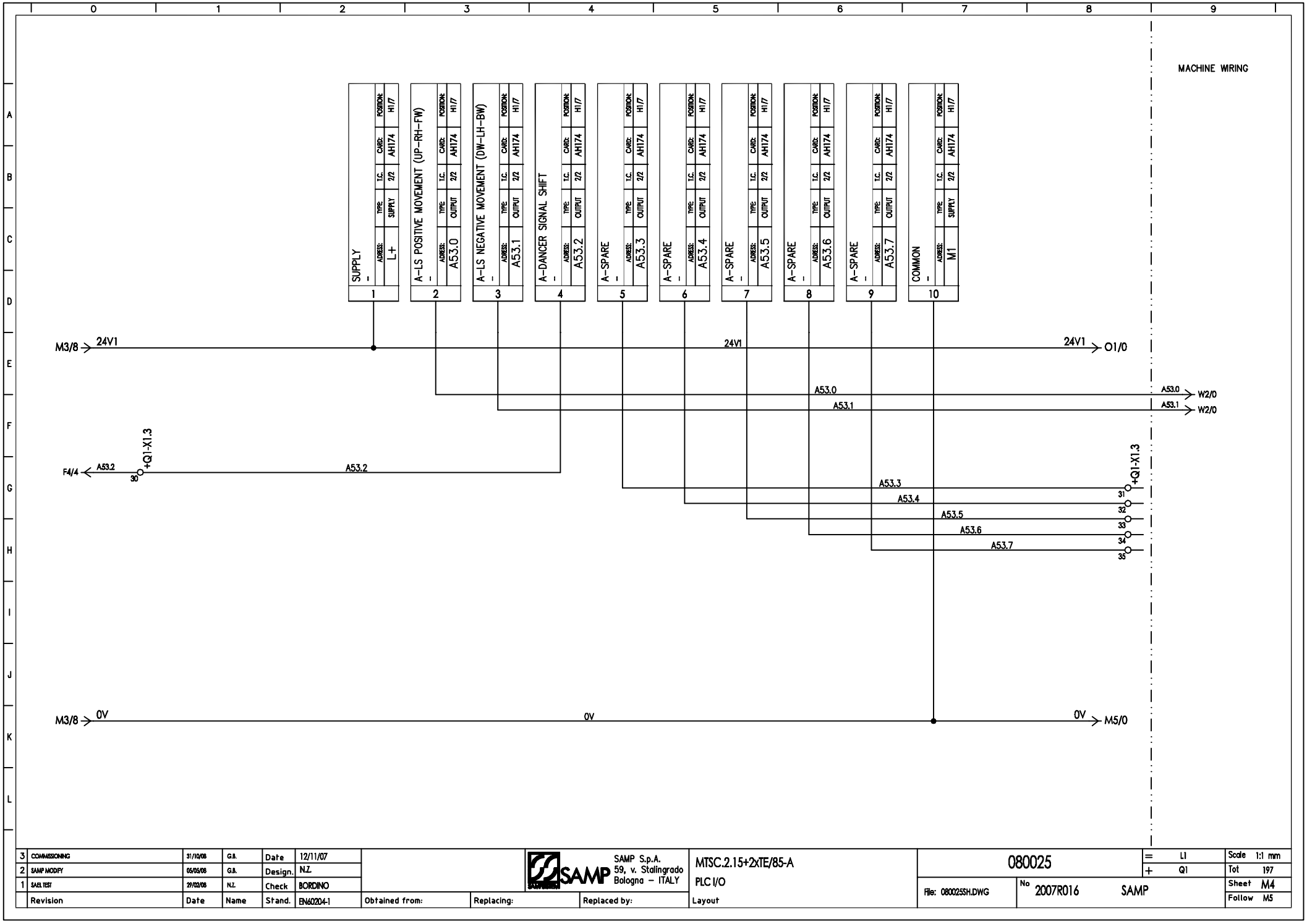
MACHINE WIRING



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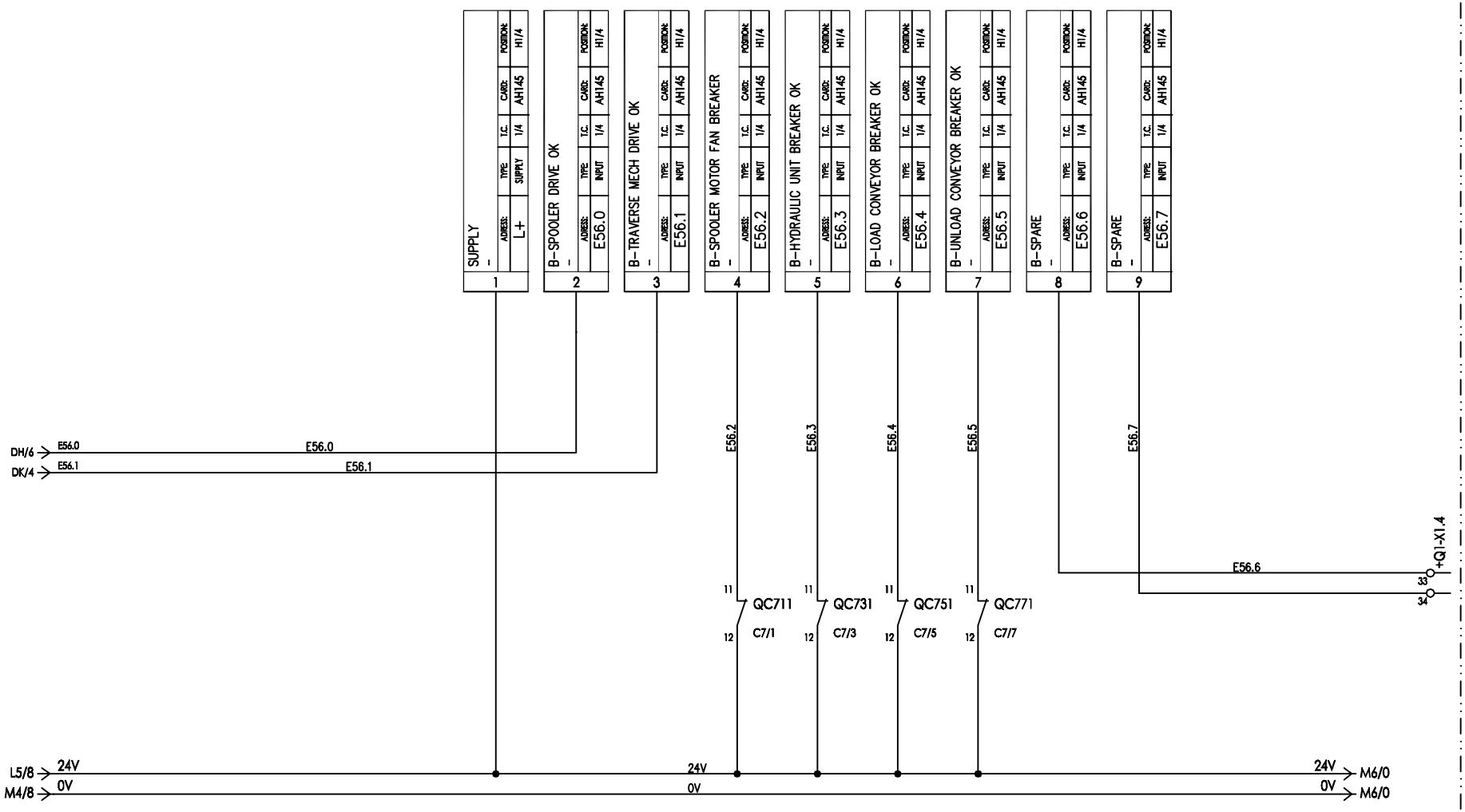


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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	M4



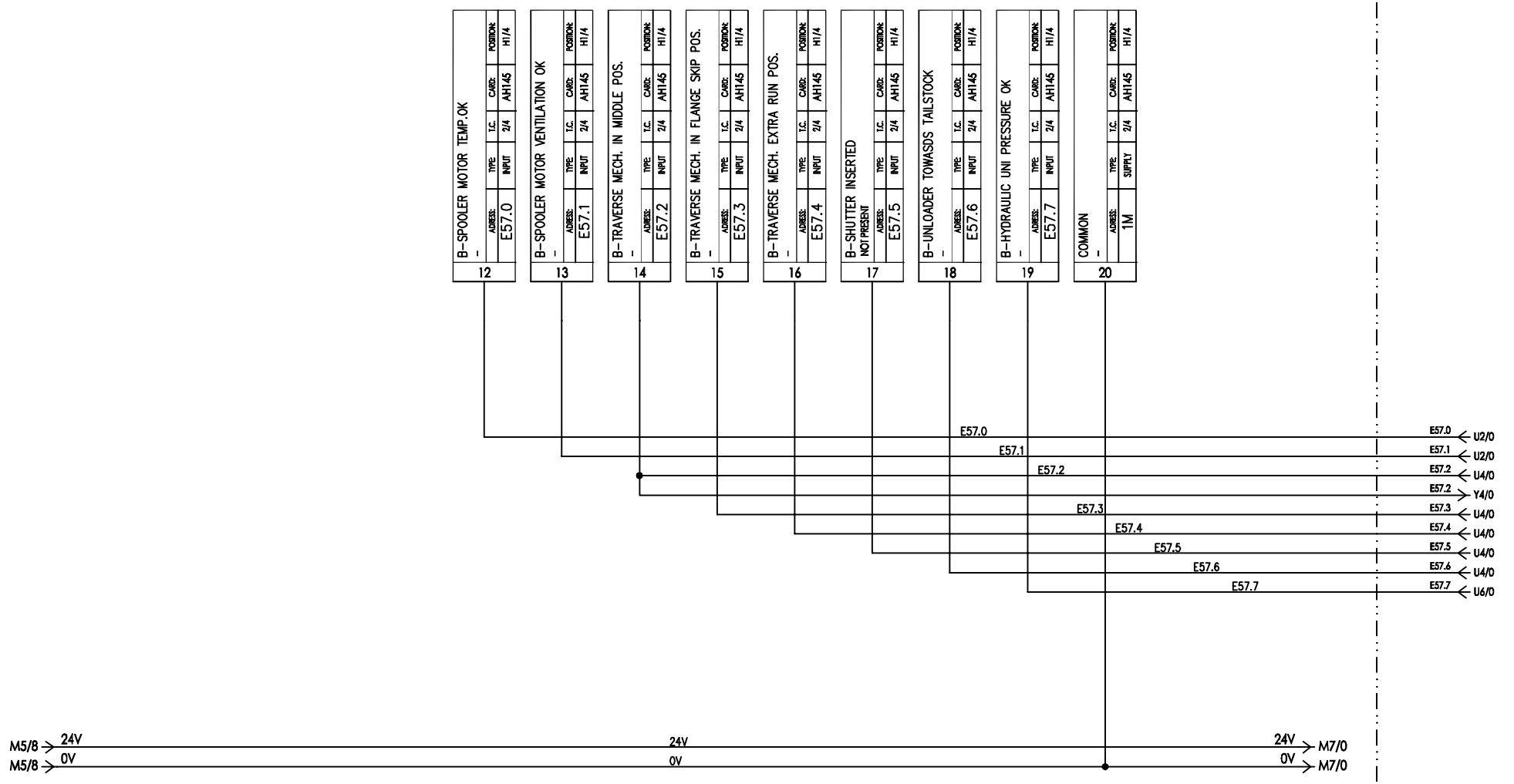
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MACHINE WIRING



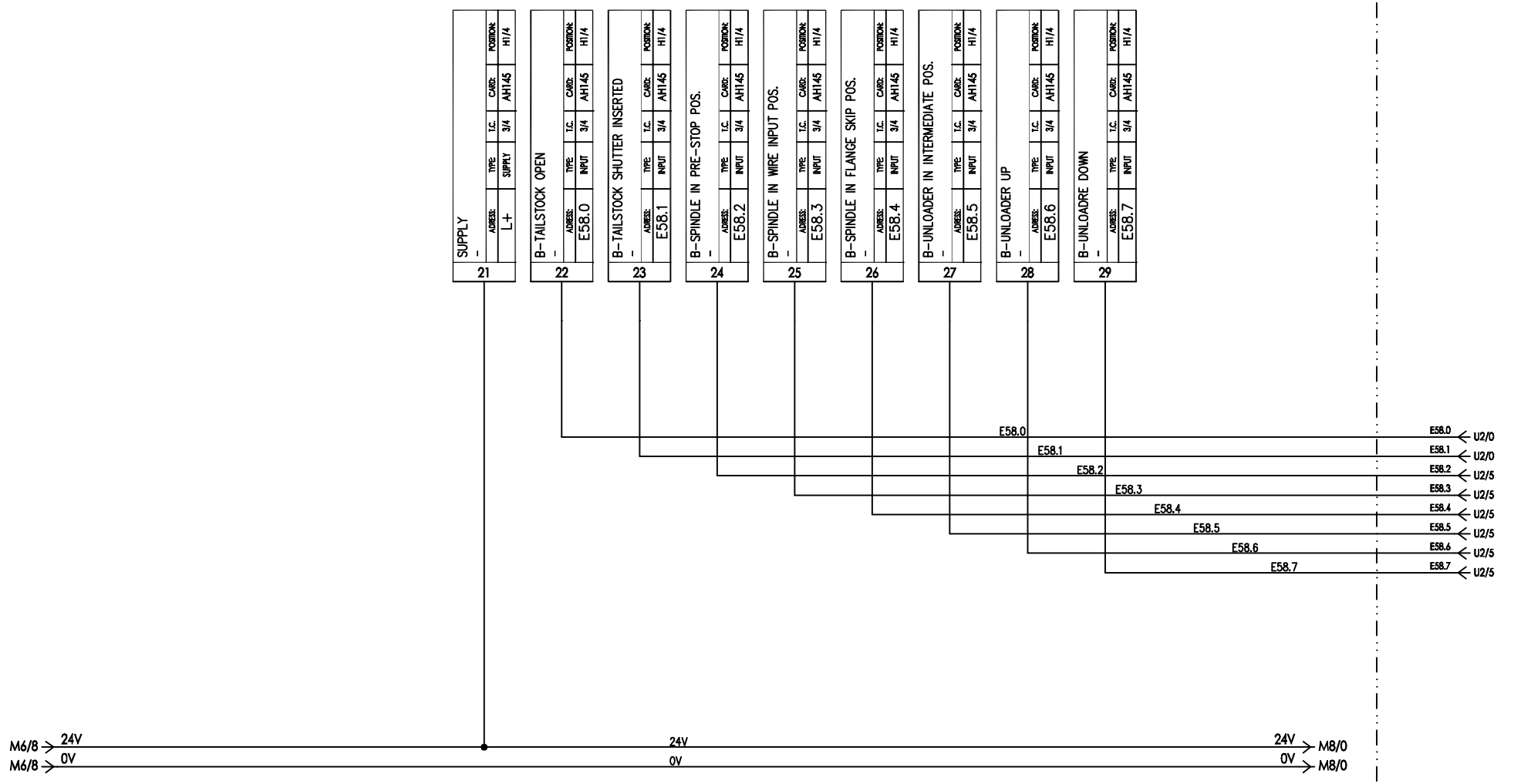
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:			Follow M6

MACHINE WIRING



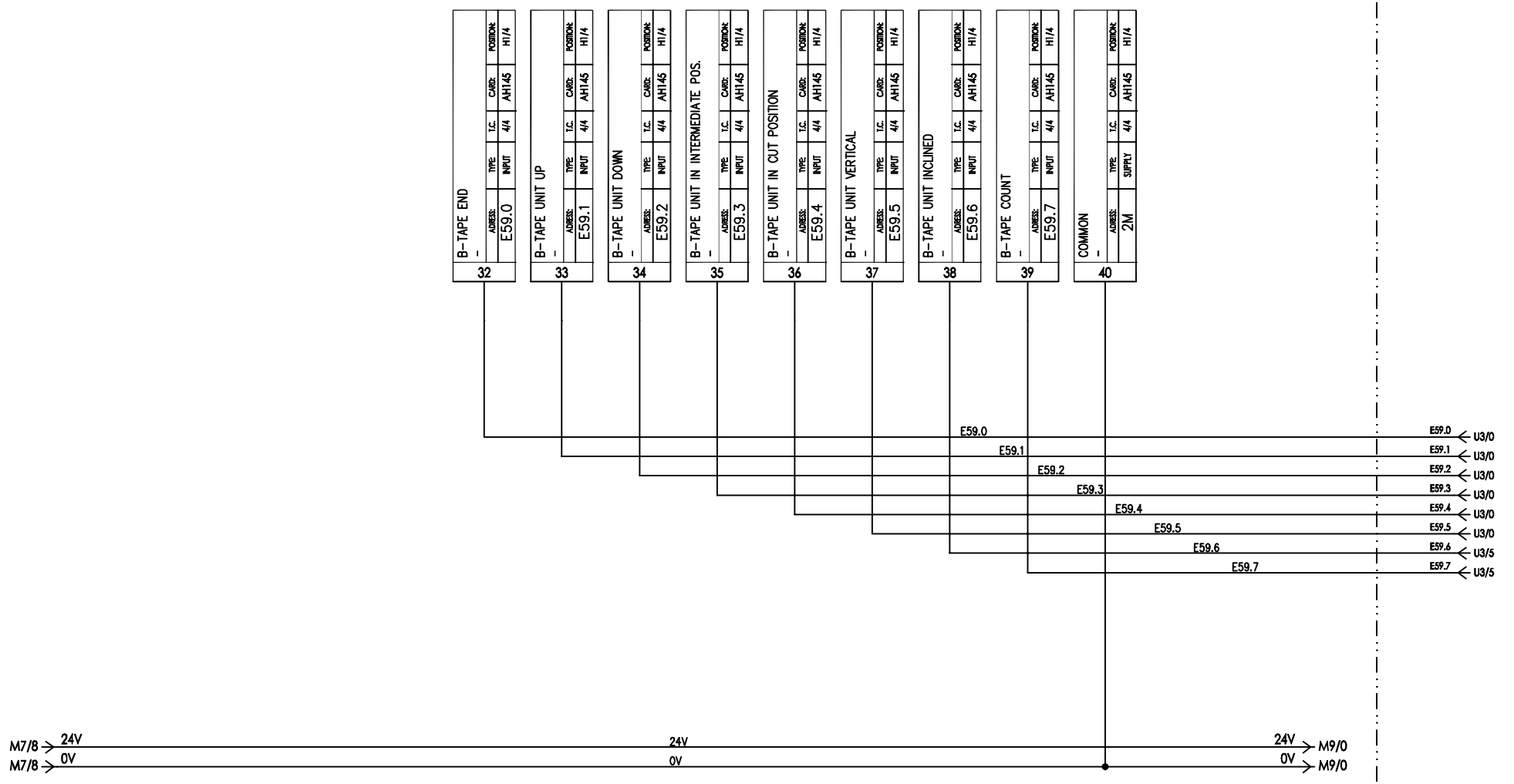
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow M7

MACHINE WIRING



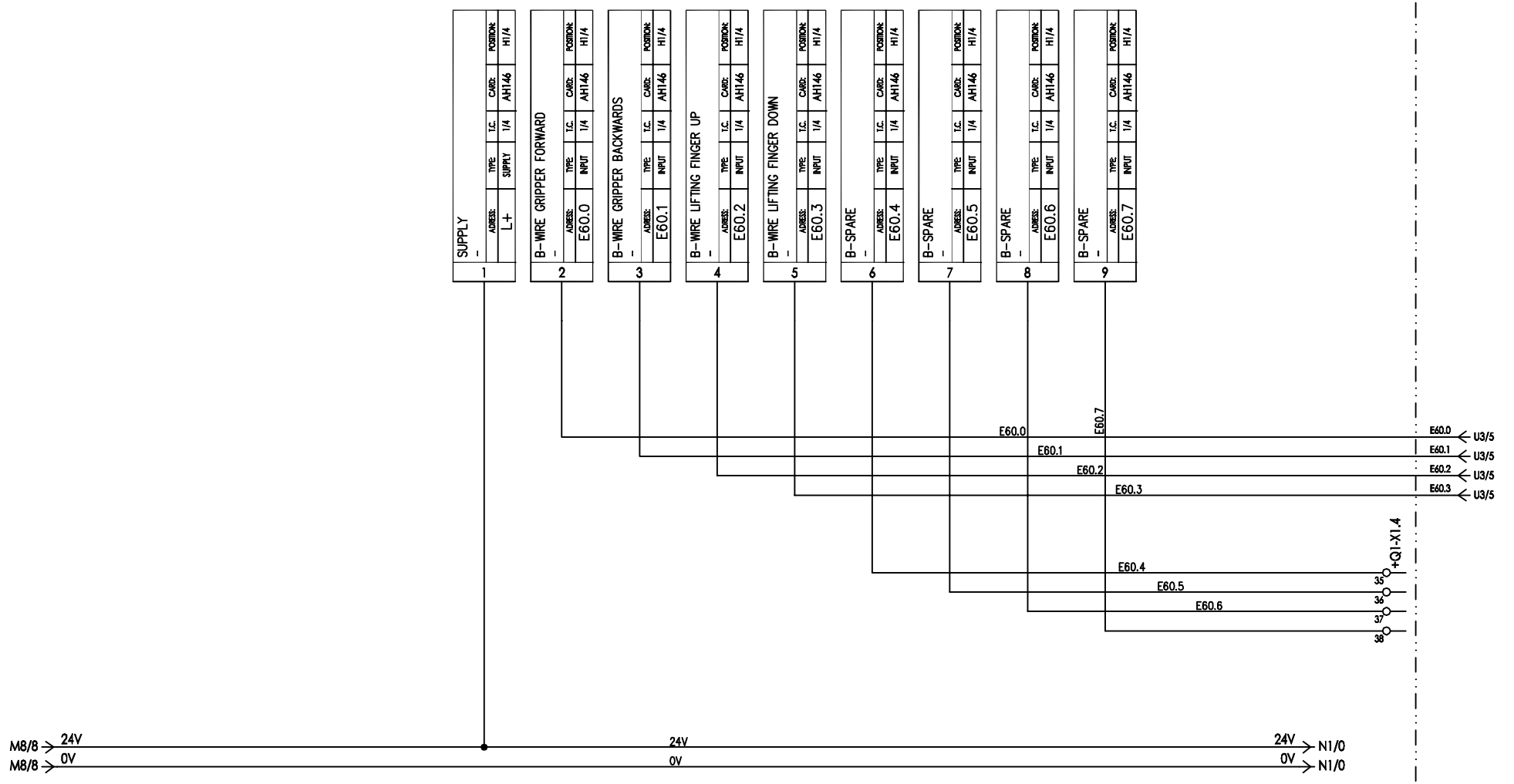
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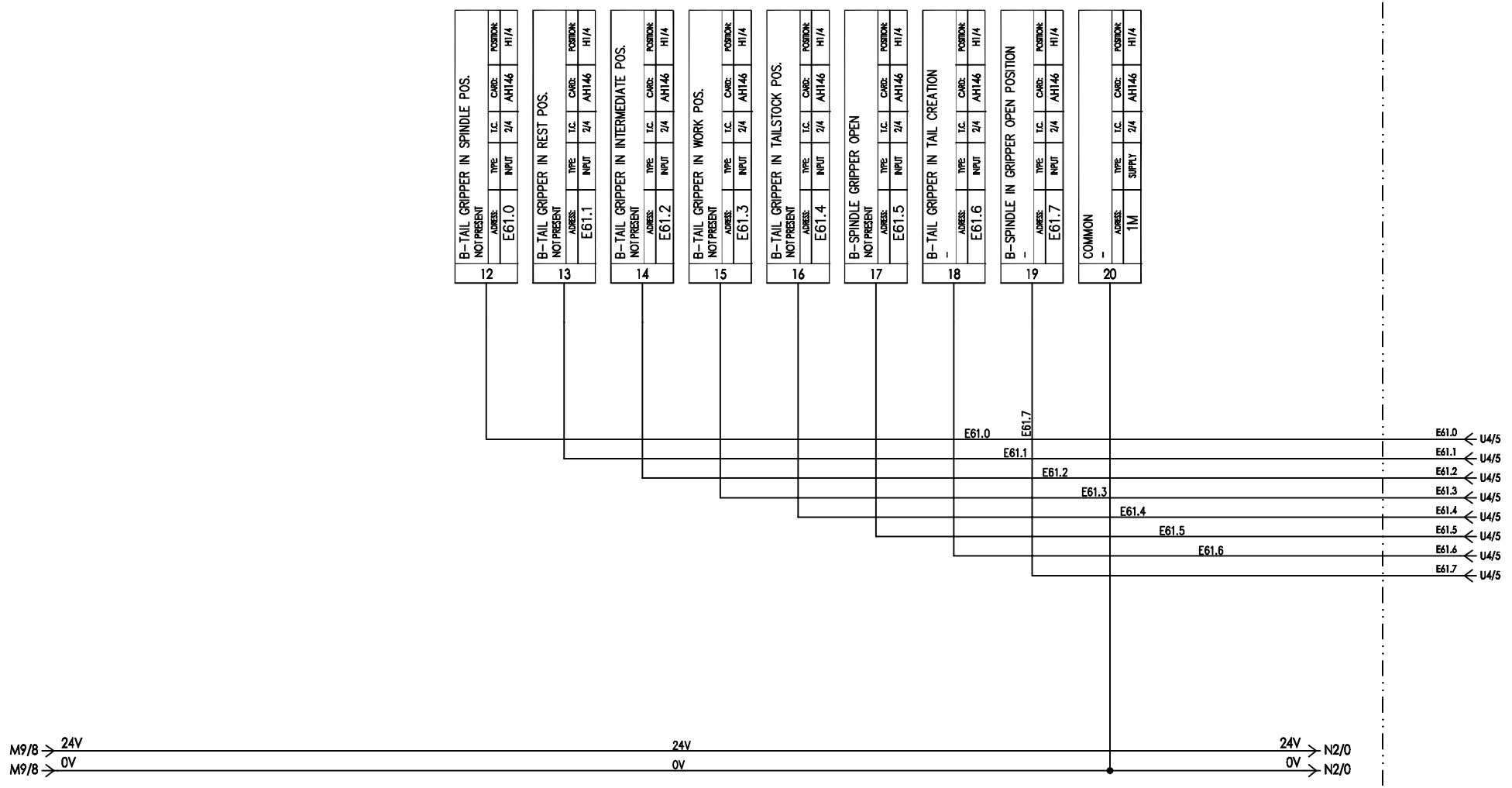


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A PLC I/O	080025	= L1	Scale 1:1 mm
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow M9

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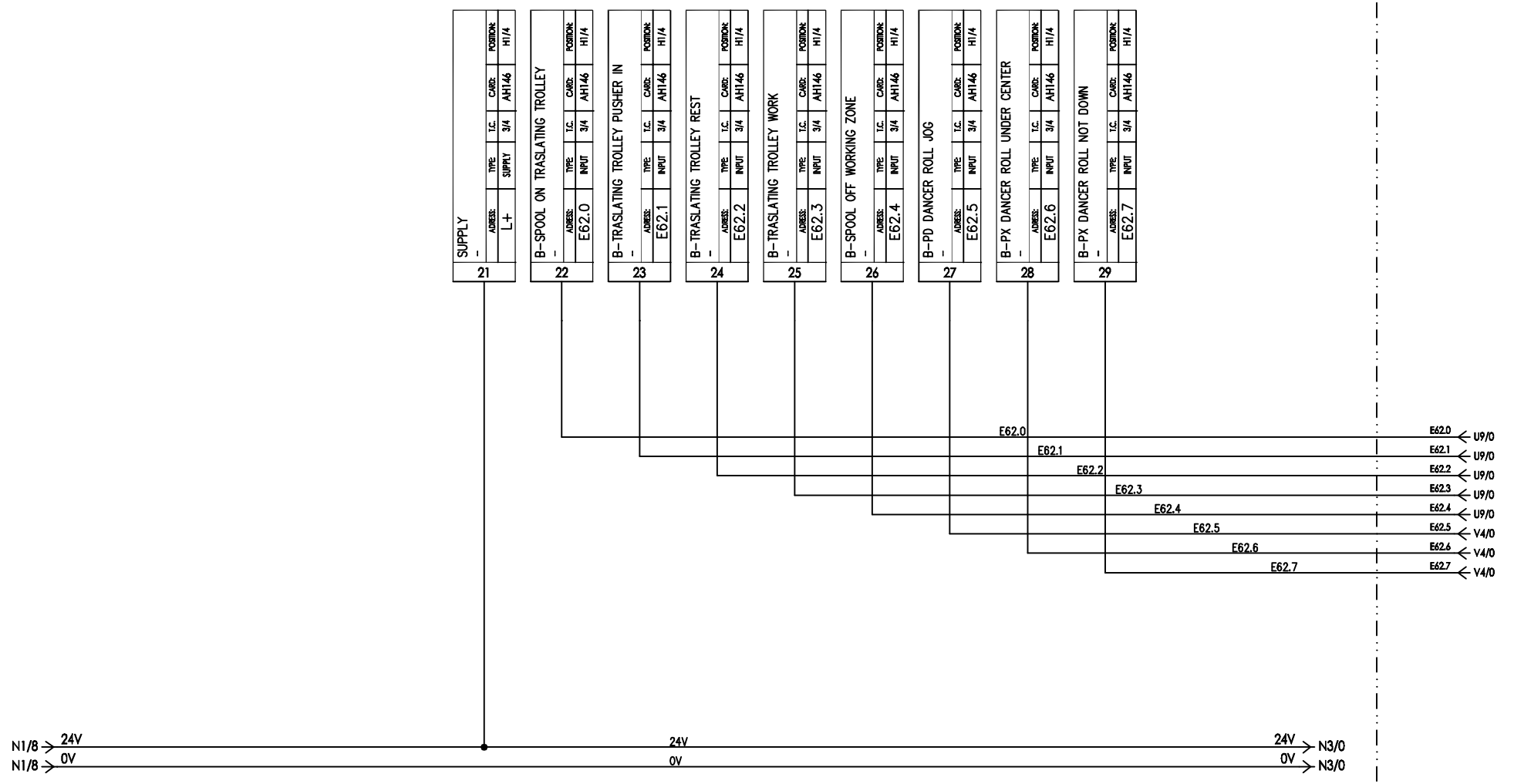


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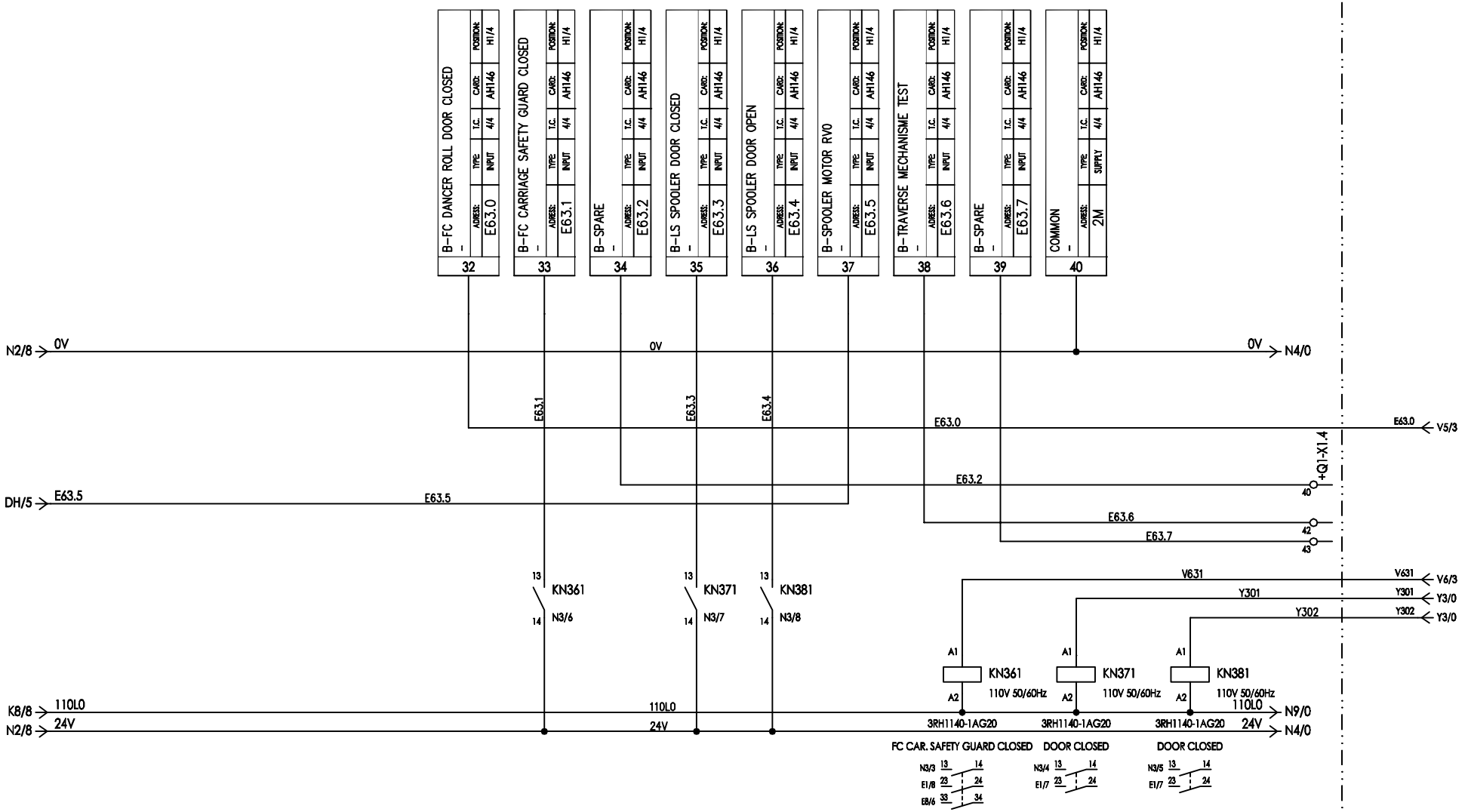
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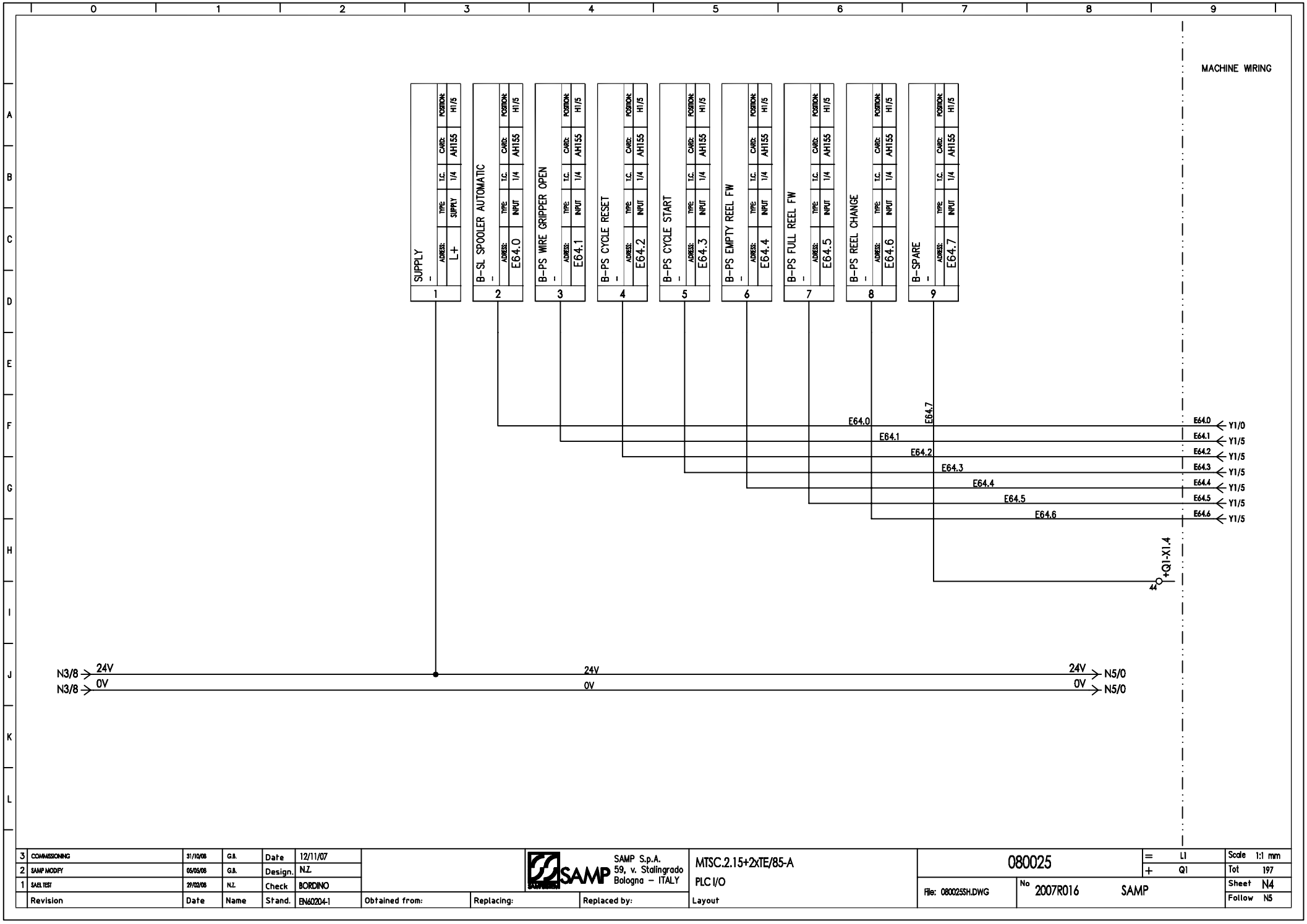


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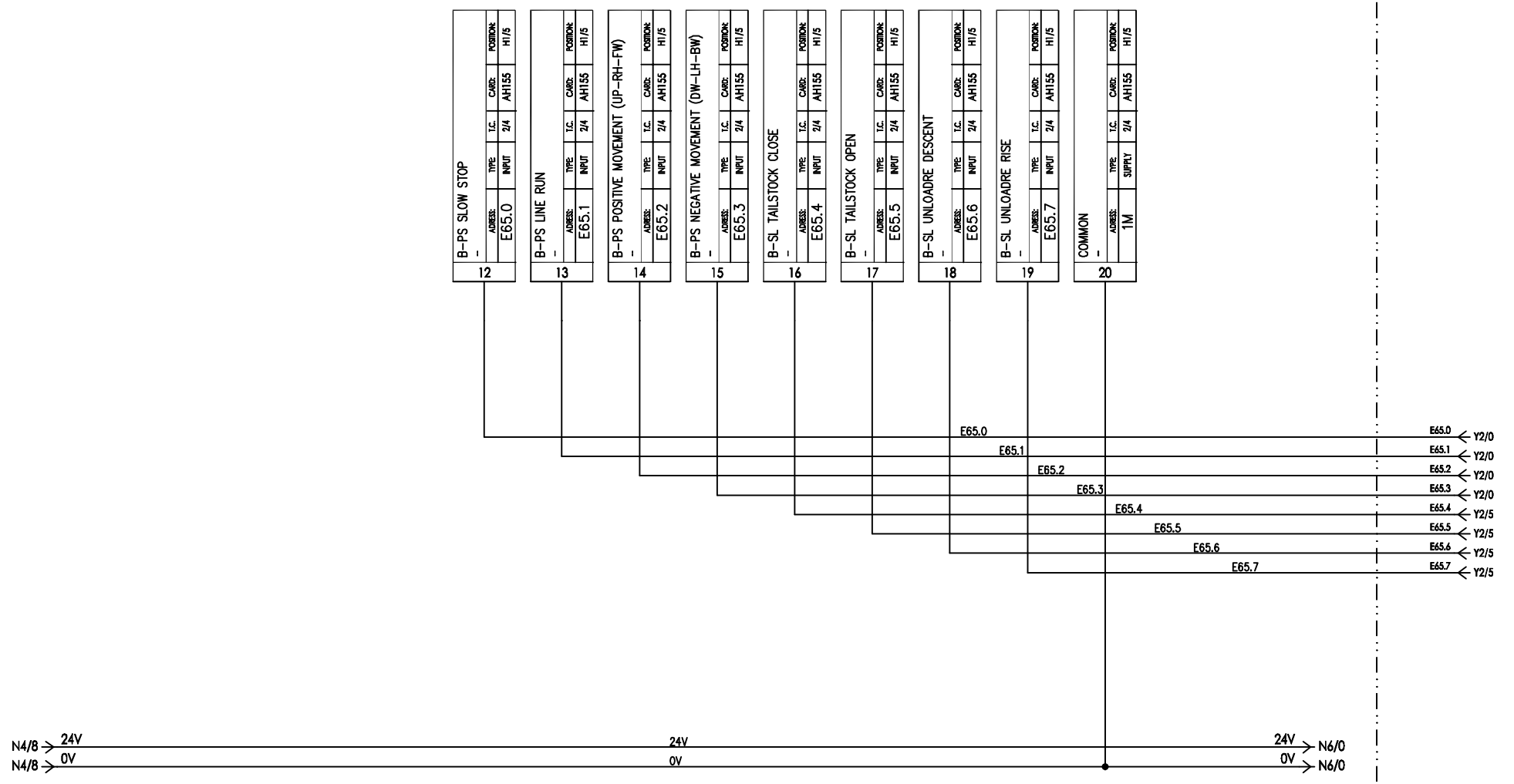


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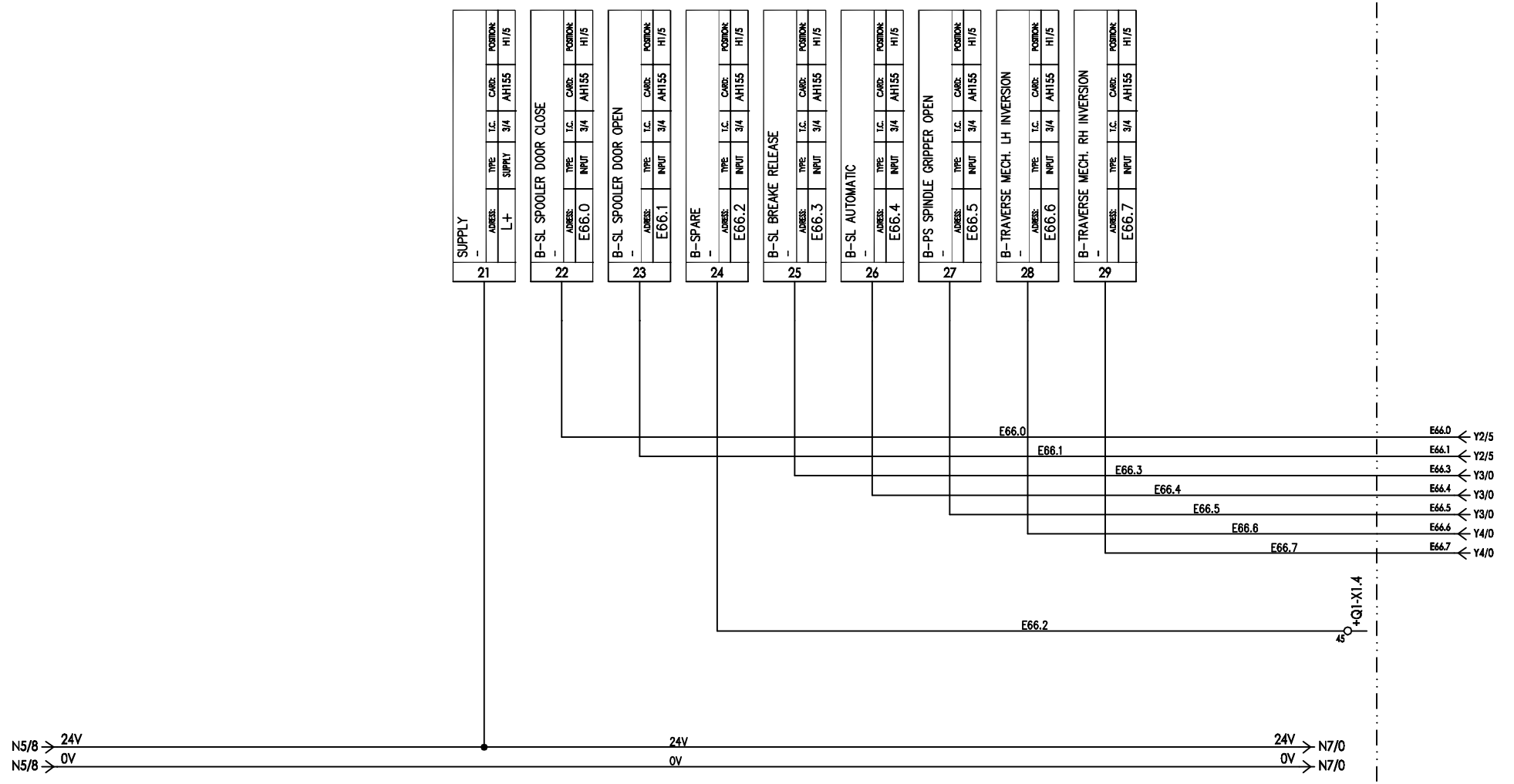
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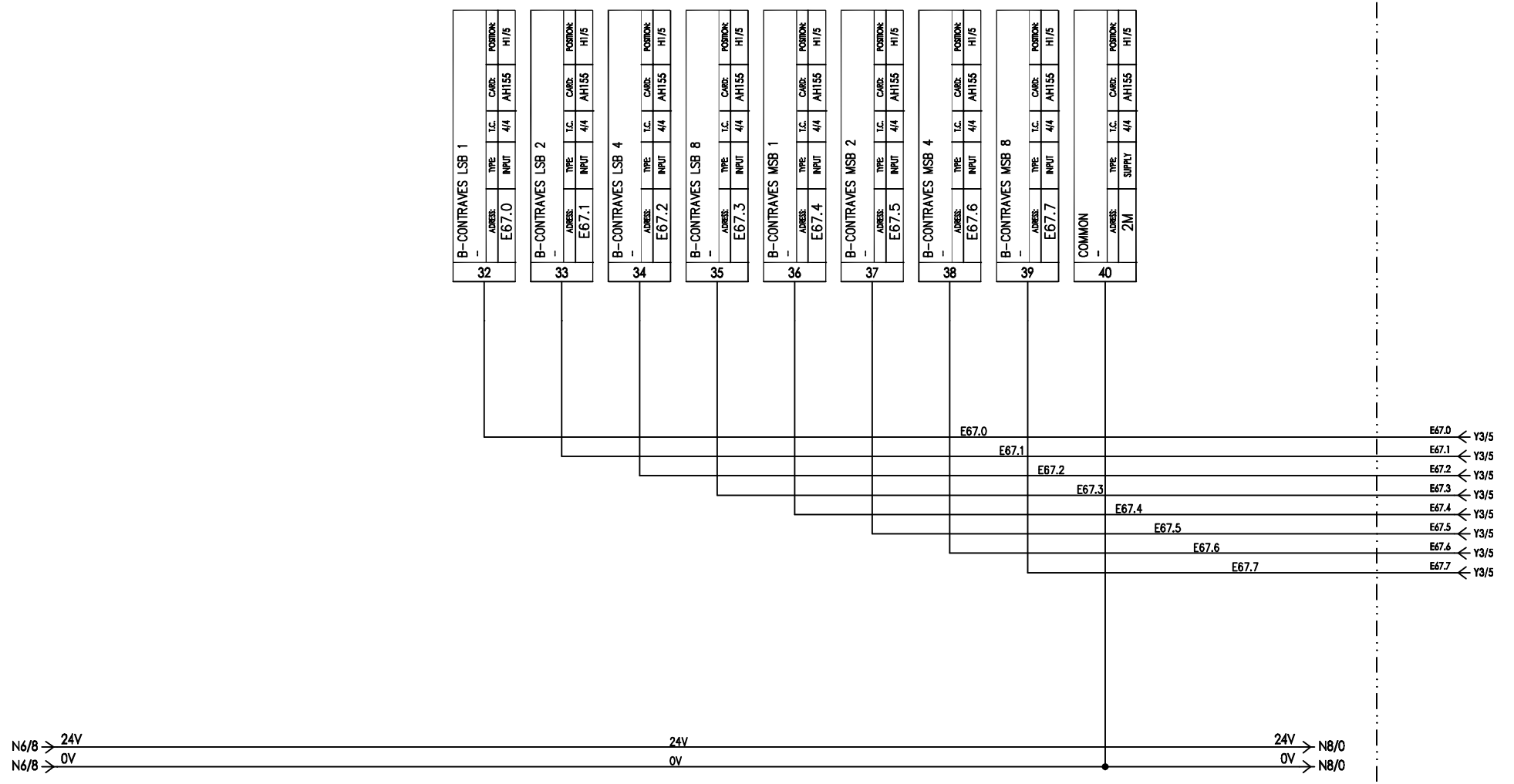
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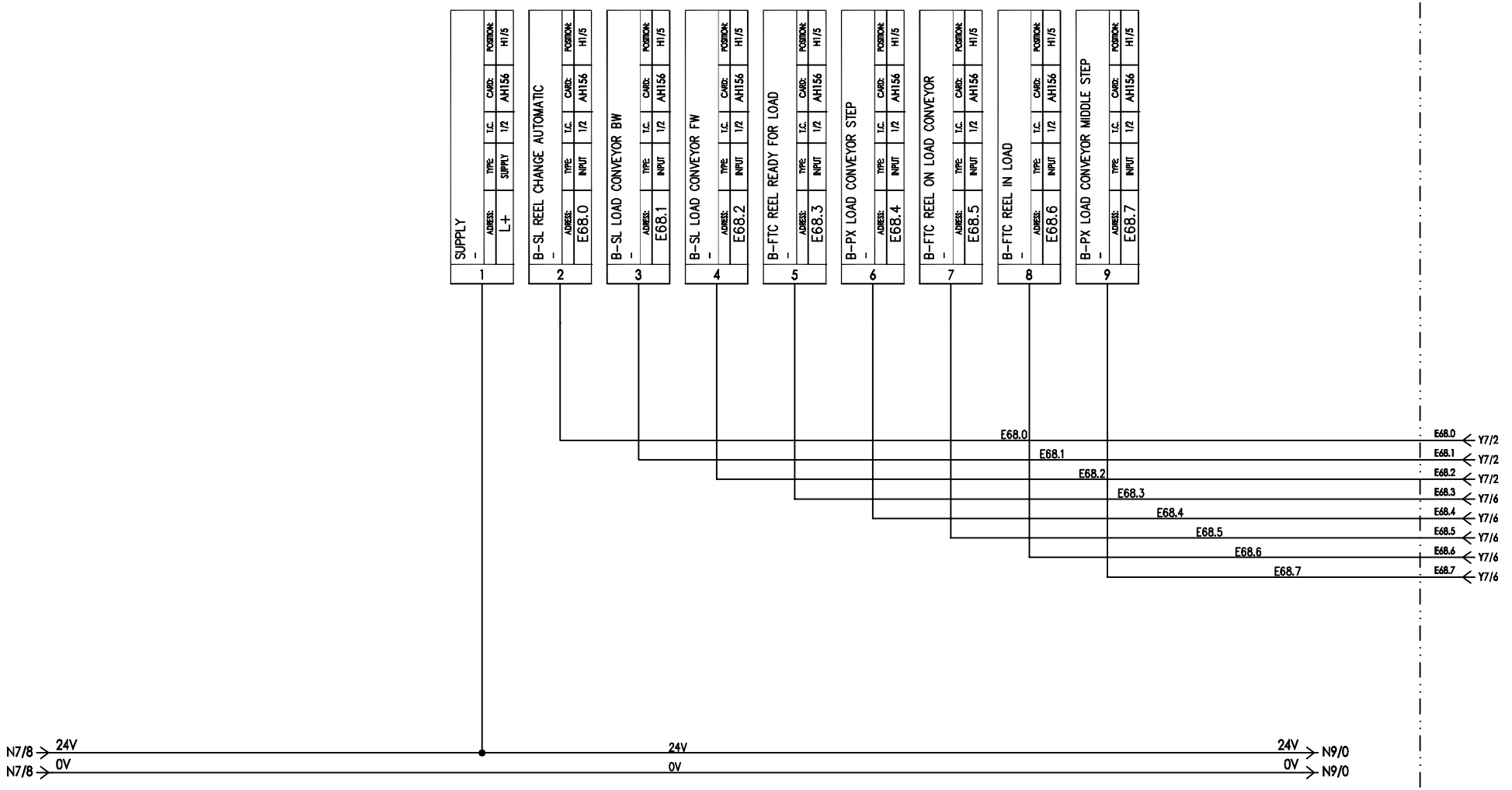
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow N7

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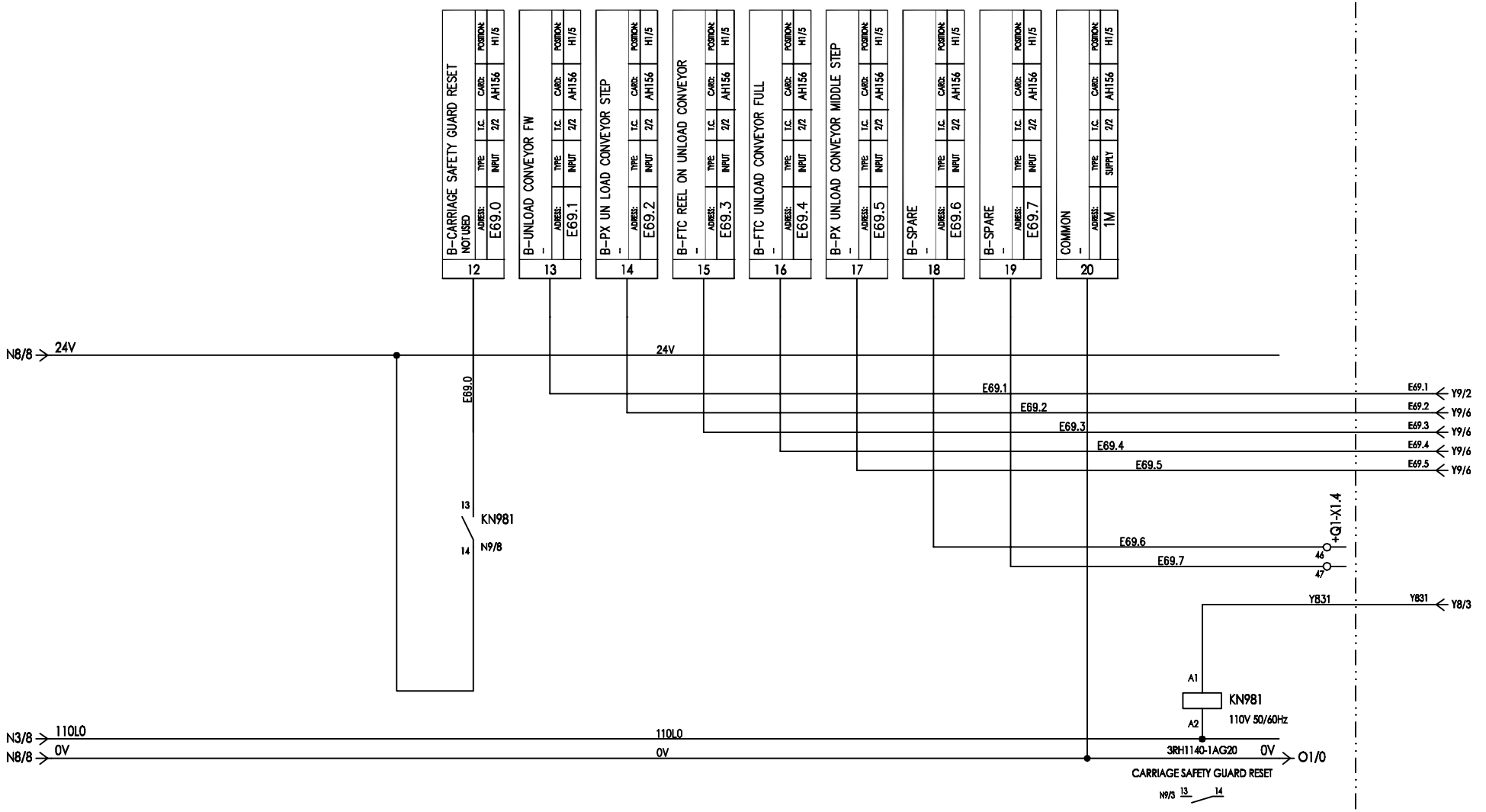
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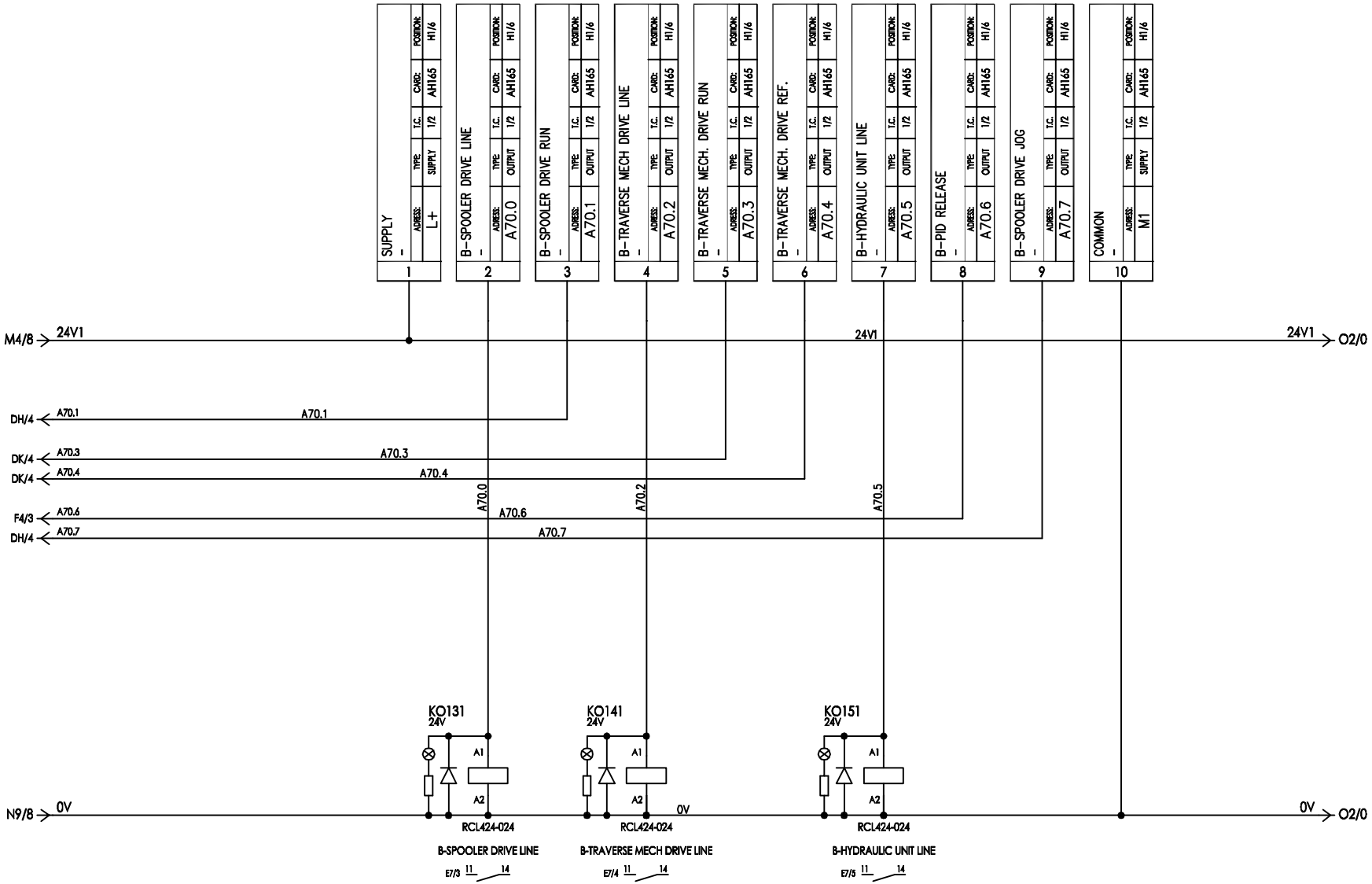
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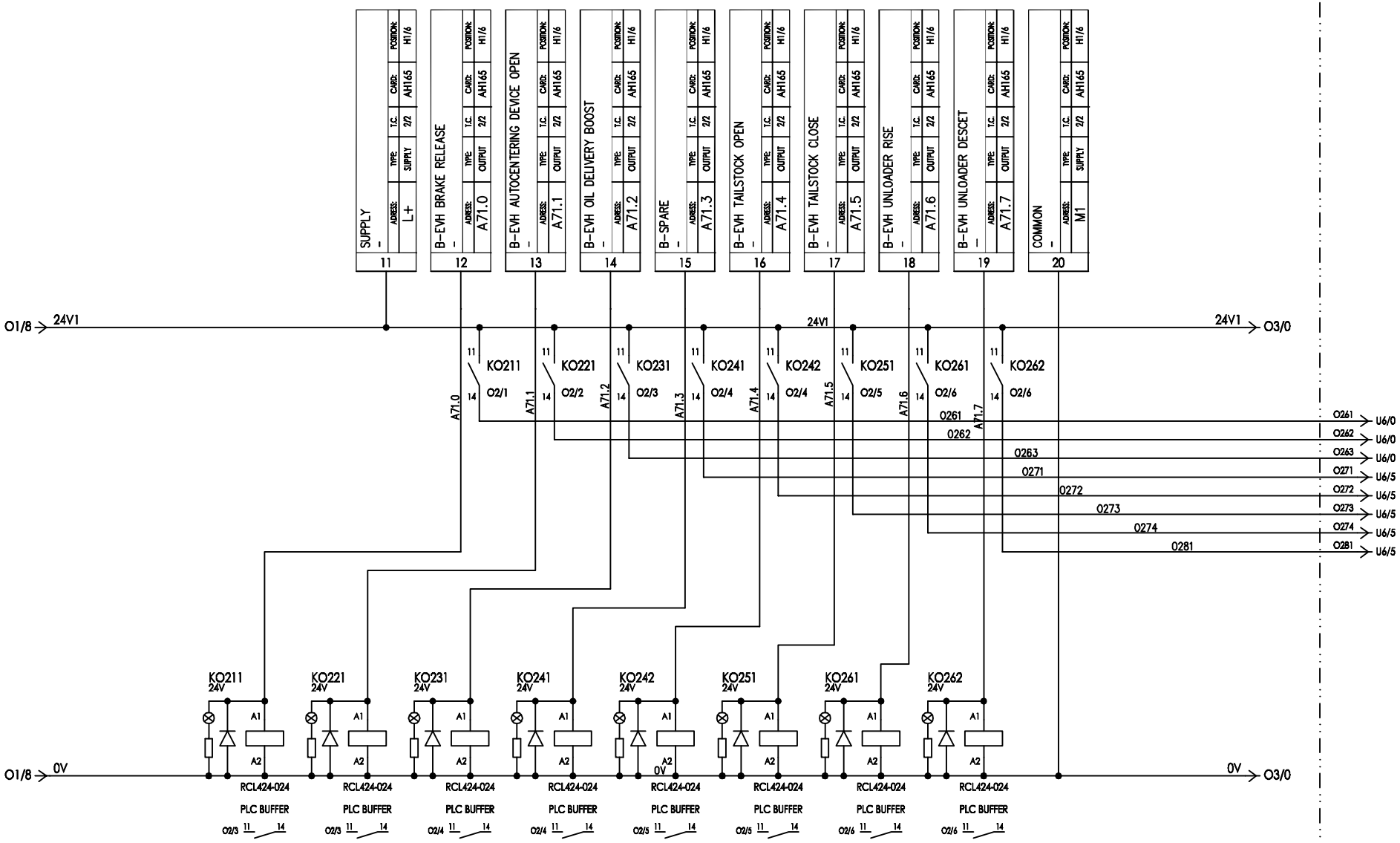
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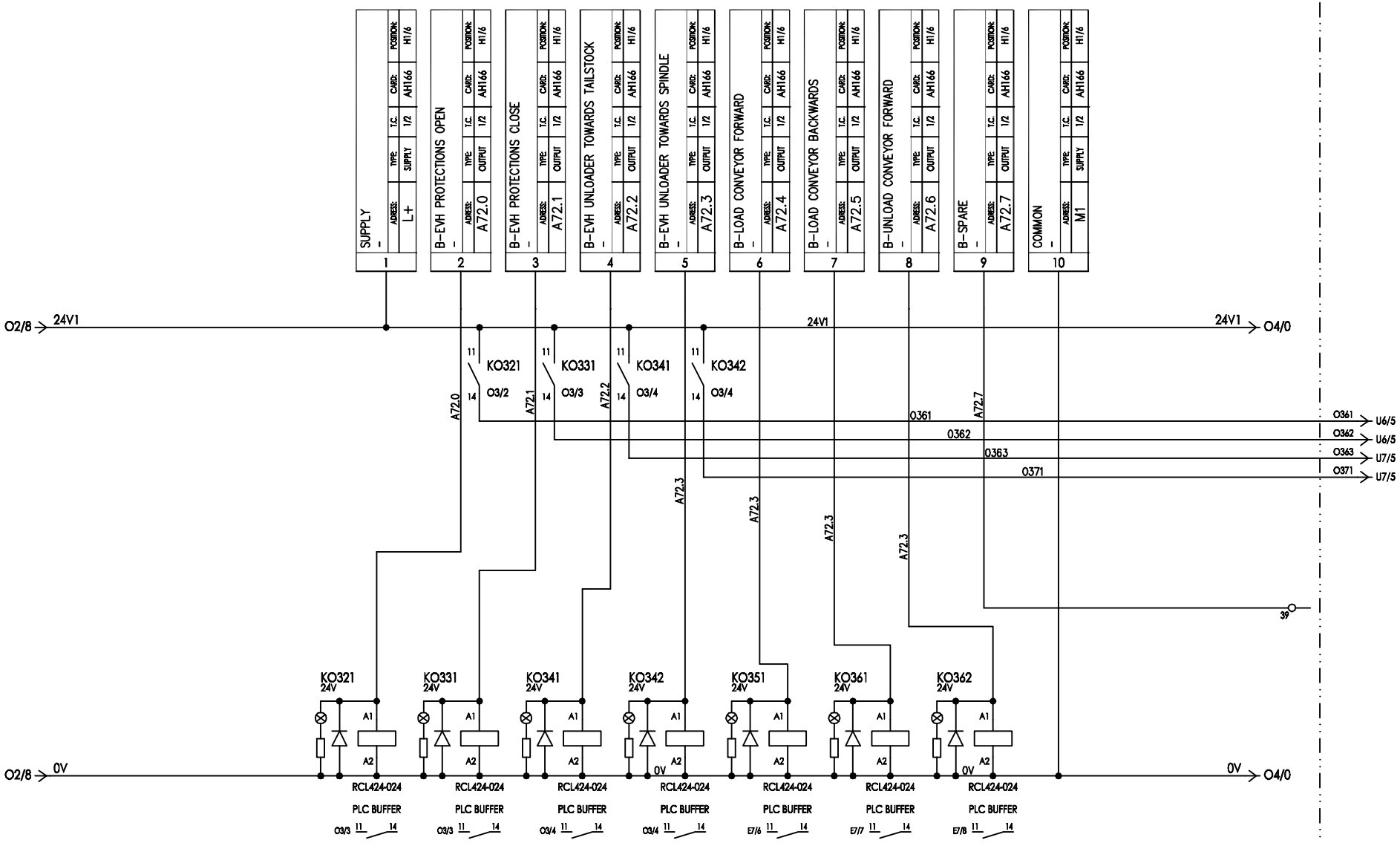
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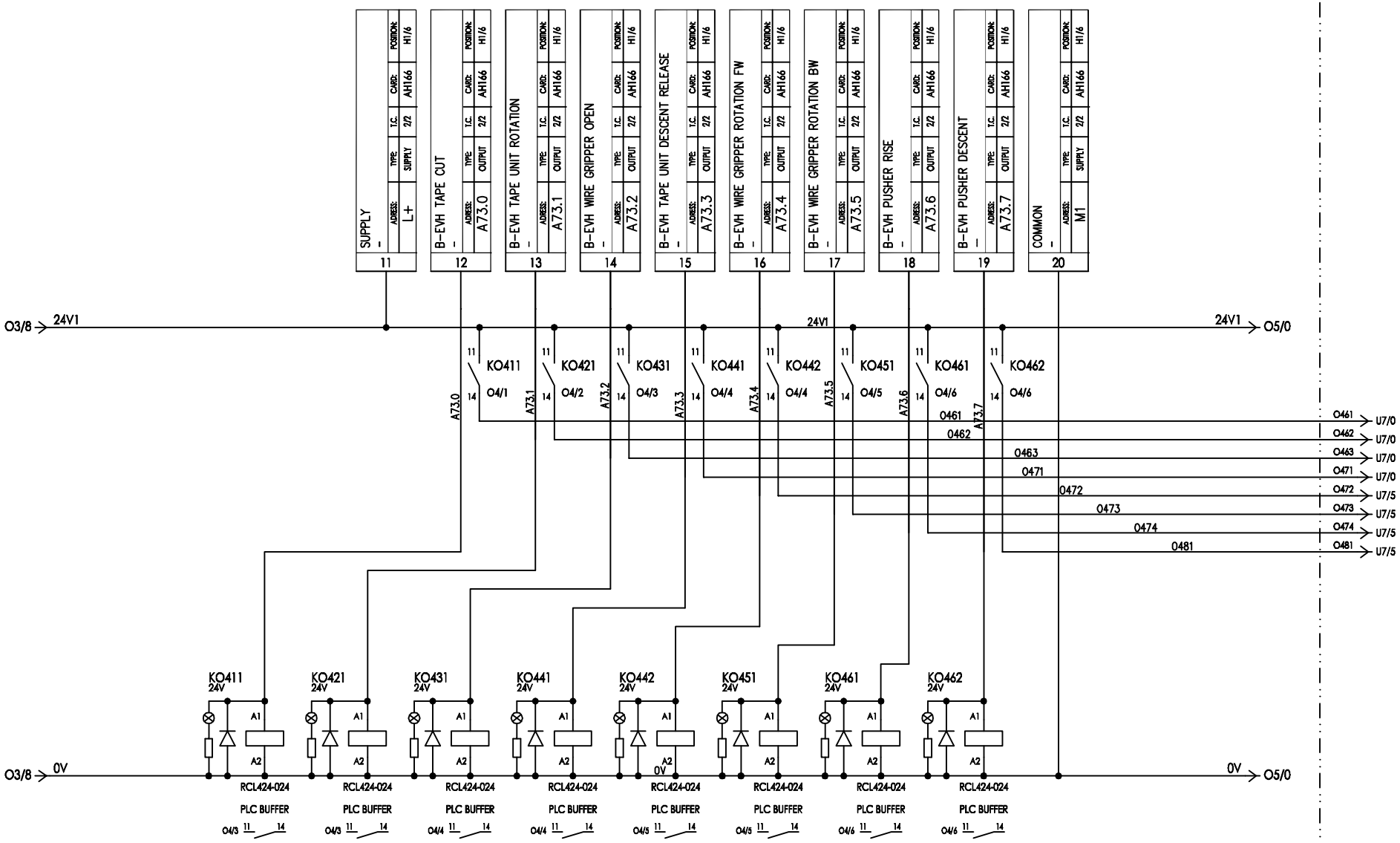
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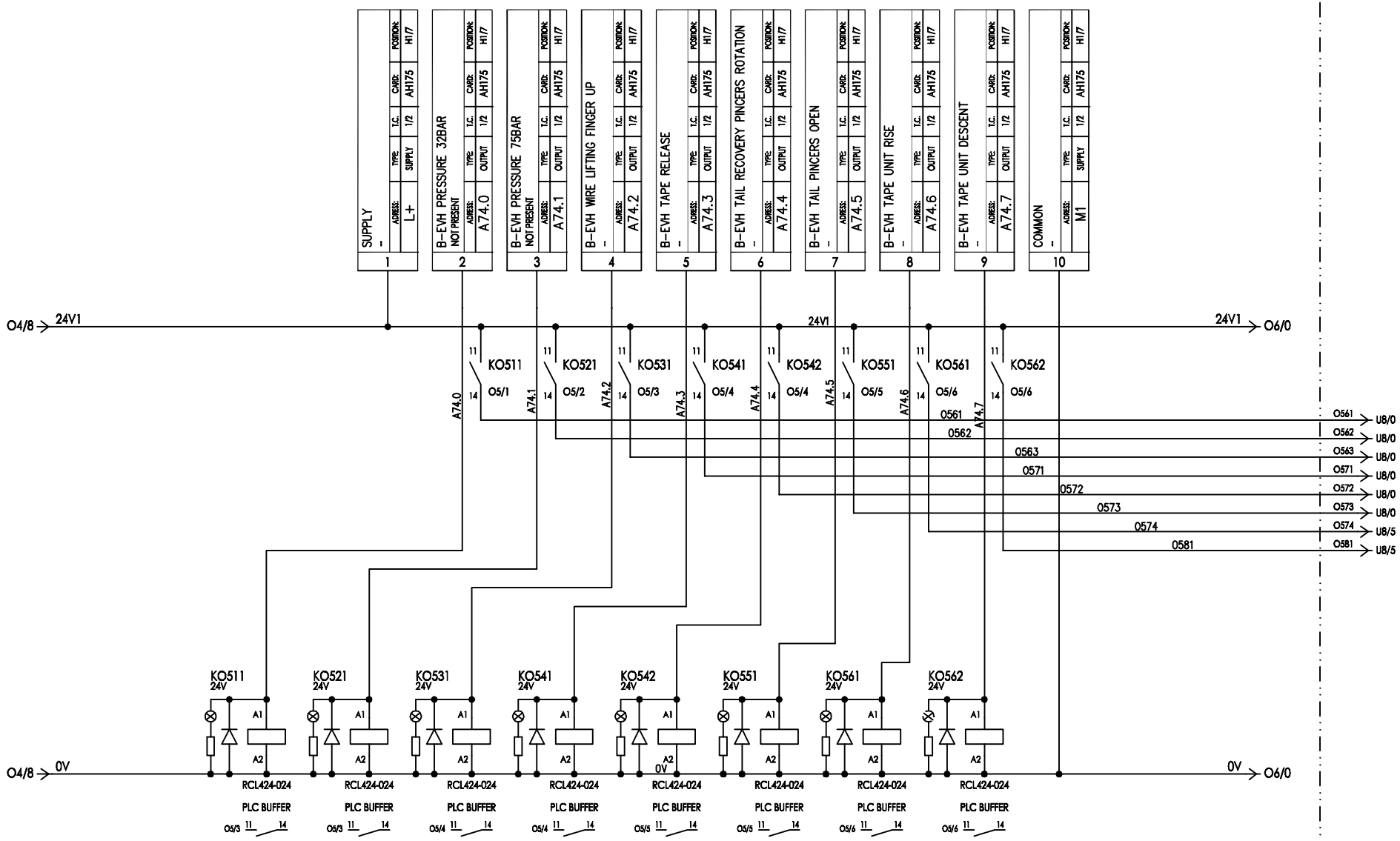
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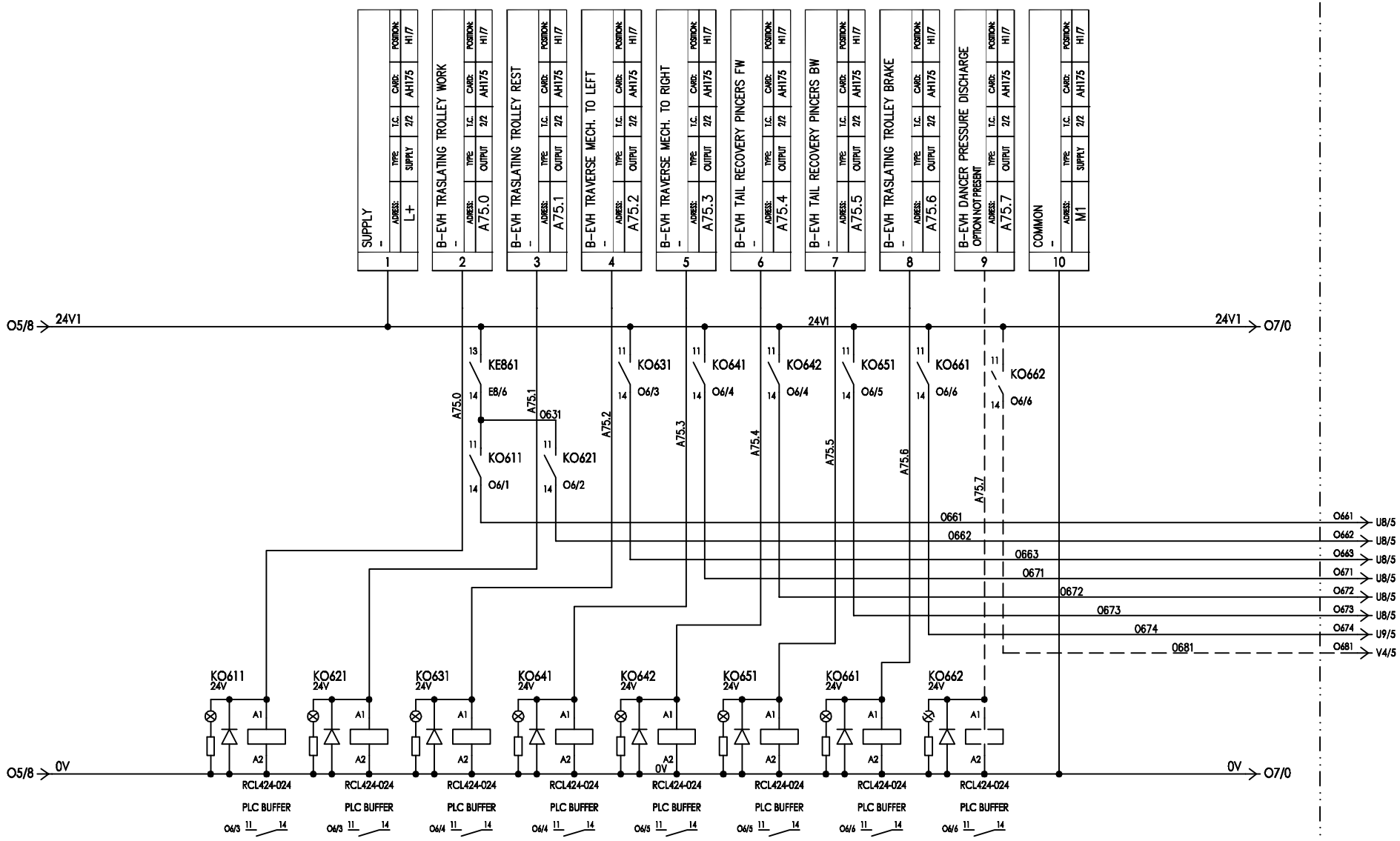
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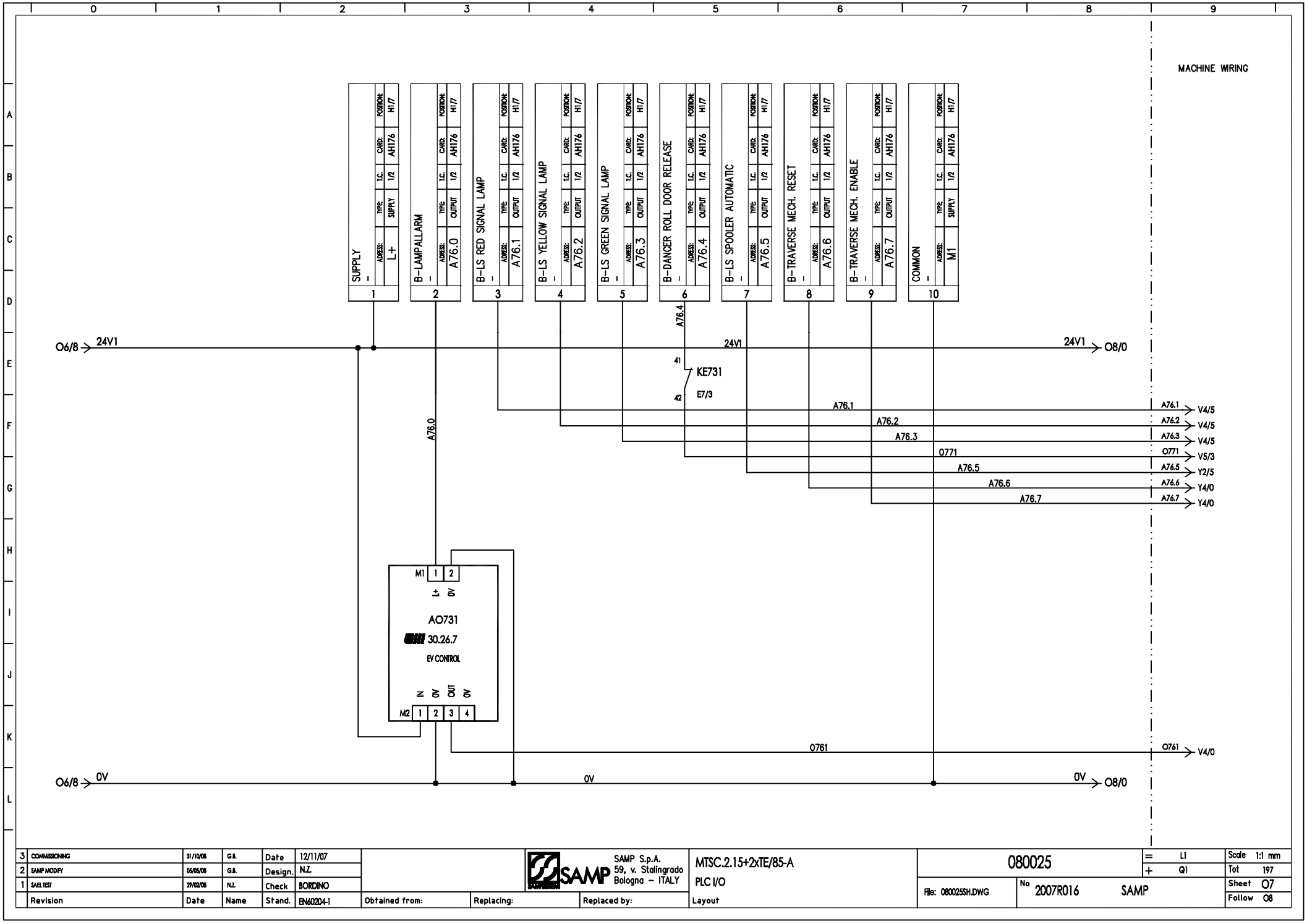


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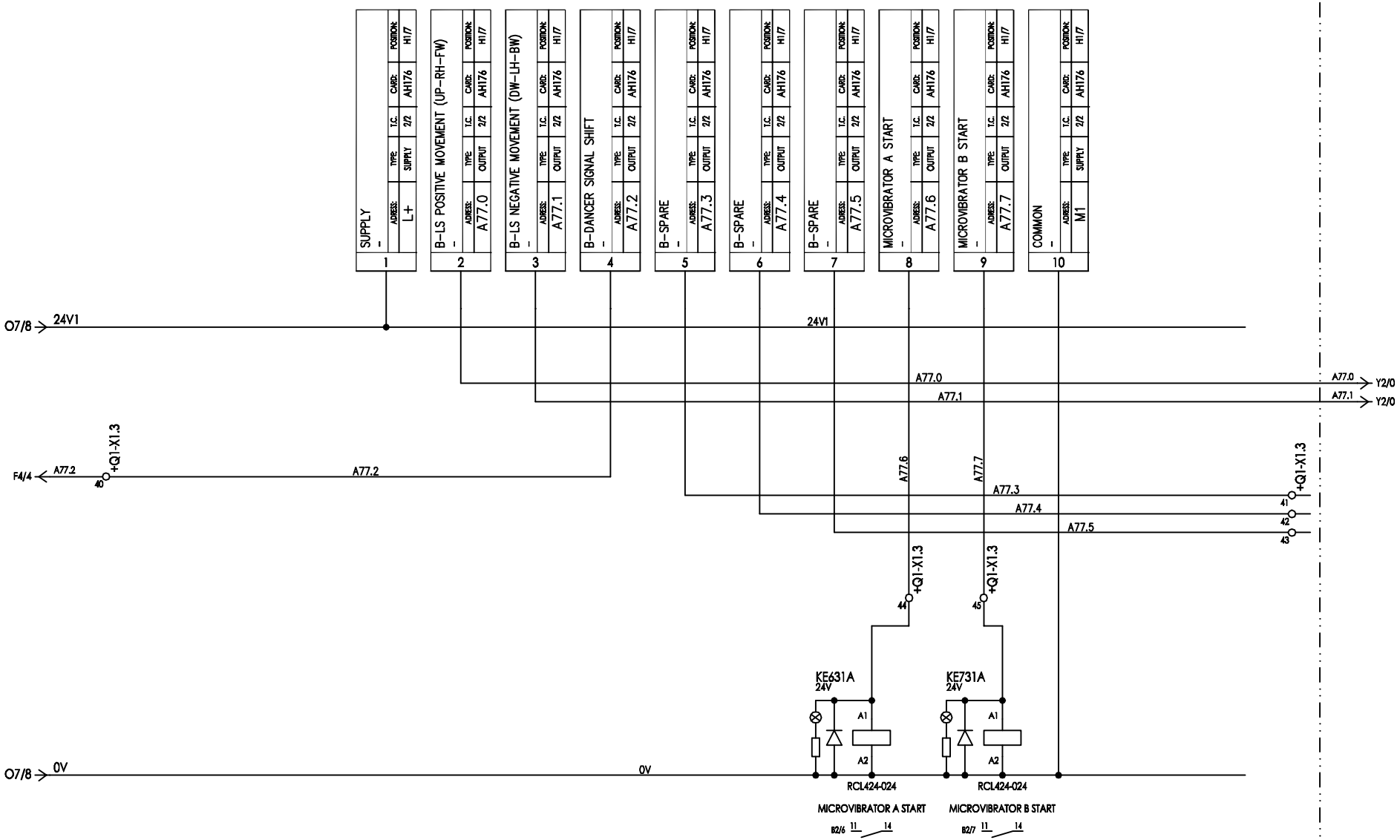


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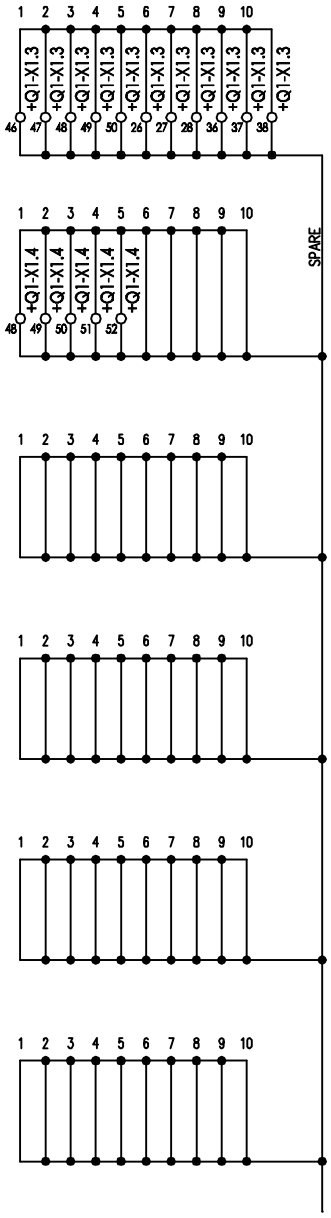


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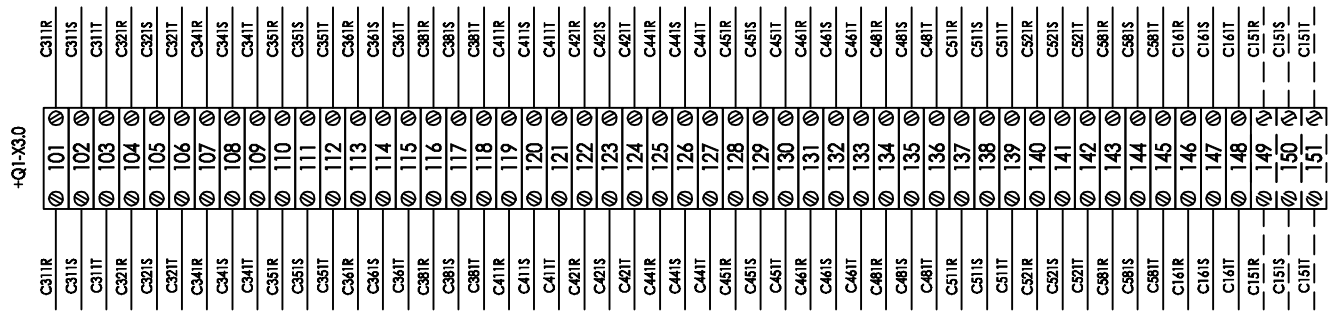
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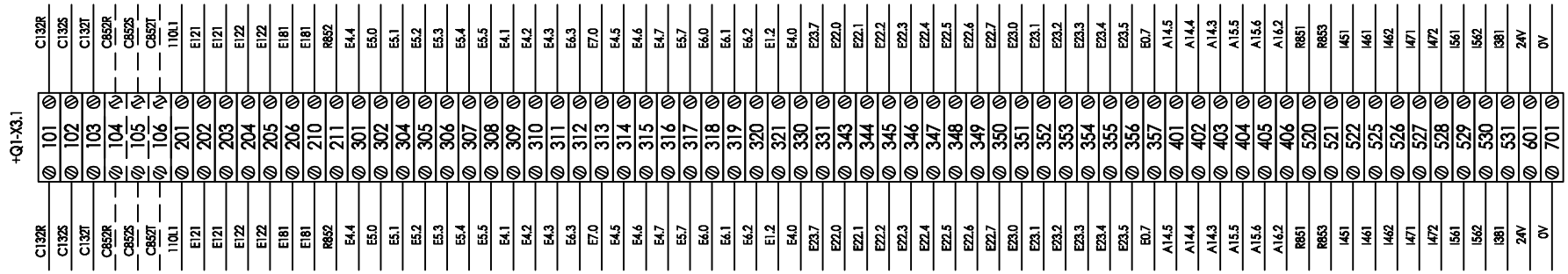
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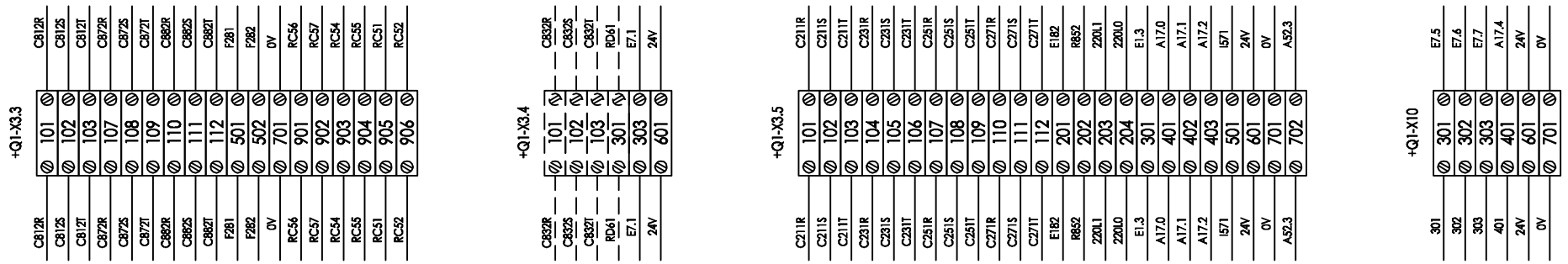
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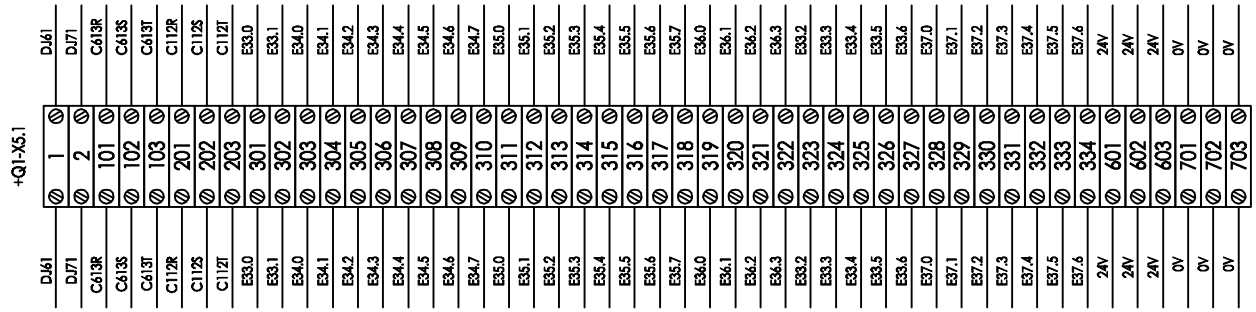
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OC



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025SH.DWG	=	Scale 1:1 mm
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	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OD



Rev	Revision	Date	Name	Stand.
3	COMMISSIONING	31/10/08	G.B.	EN60204-1
2	SAMP MODIFY	05/05/08	G.B.	
1	SAEL TEST	29/02/08	N.Z.	

Date	12/11/07	Obtained from:	
Design.	N.Z.	Replacing:	
Check	BORDINO	Replaced by:	

SAMP S.p.A.
59, v. Stalingrado
Bologna – ITALY

MTSC.2.15+2xTE/85-A
TERMINAL BOARDS X5.1
Layout

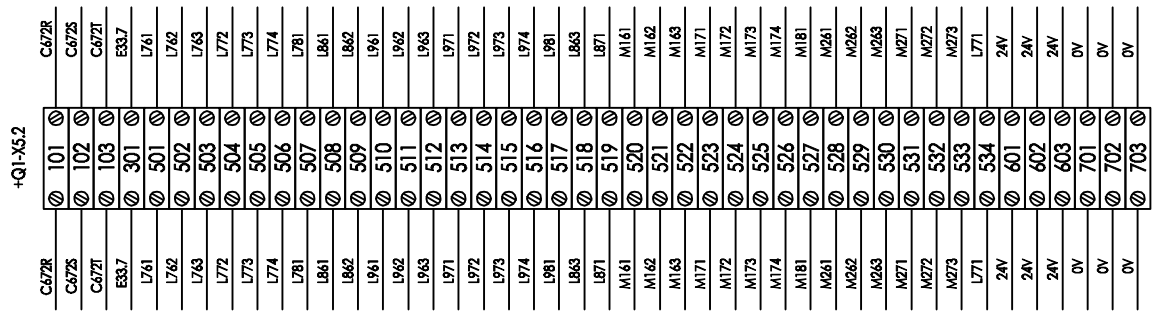
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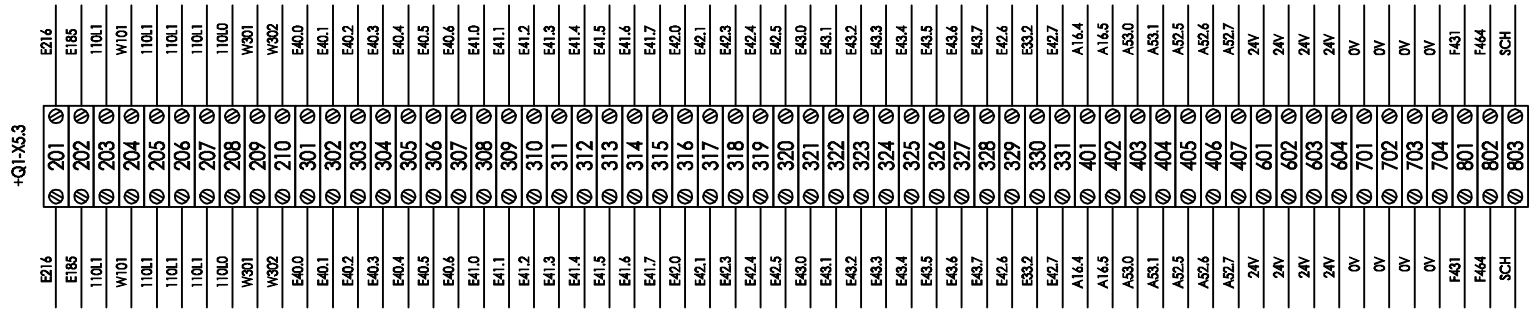
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Follow	OE

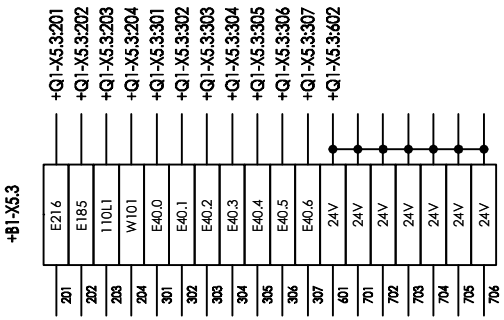


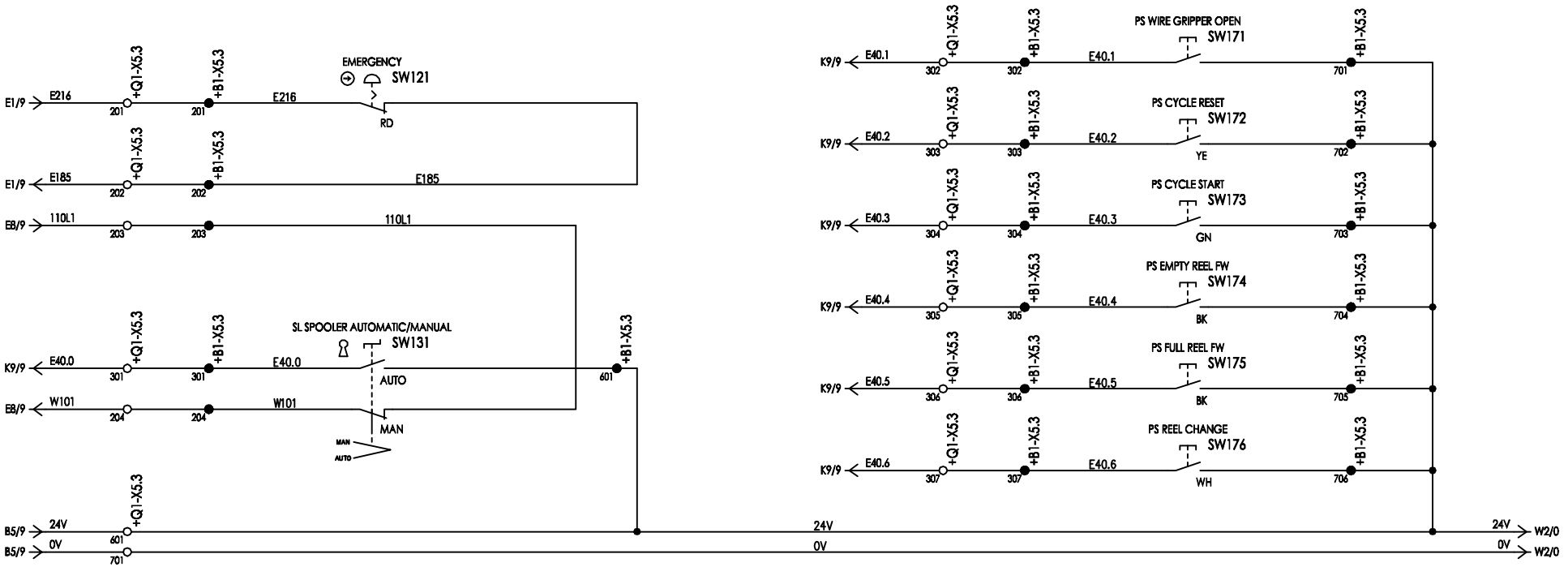
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A TERMINAL BOARDS X5.2	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OE
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OF



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			TERMINAL BOARDS X5.3		+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OF
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OG

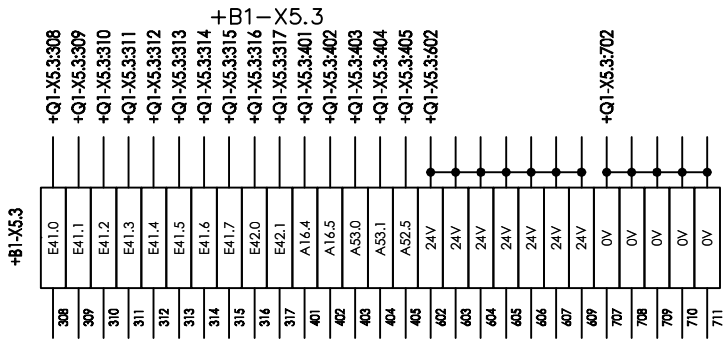
SPOOLER A

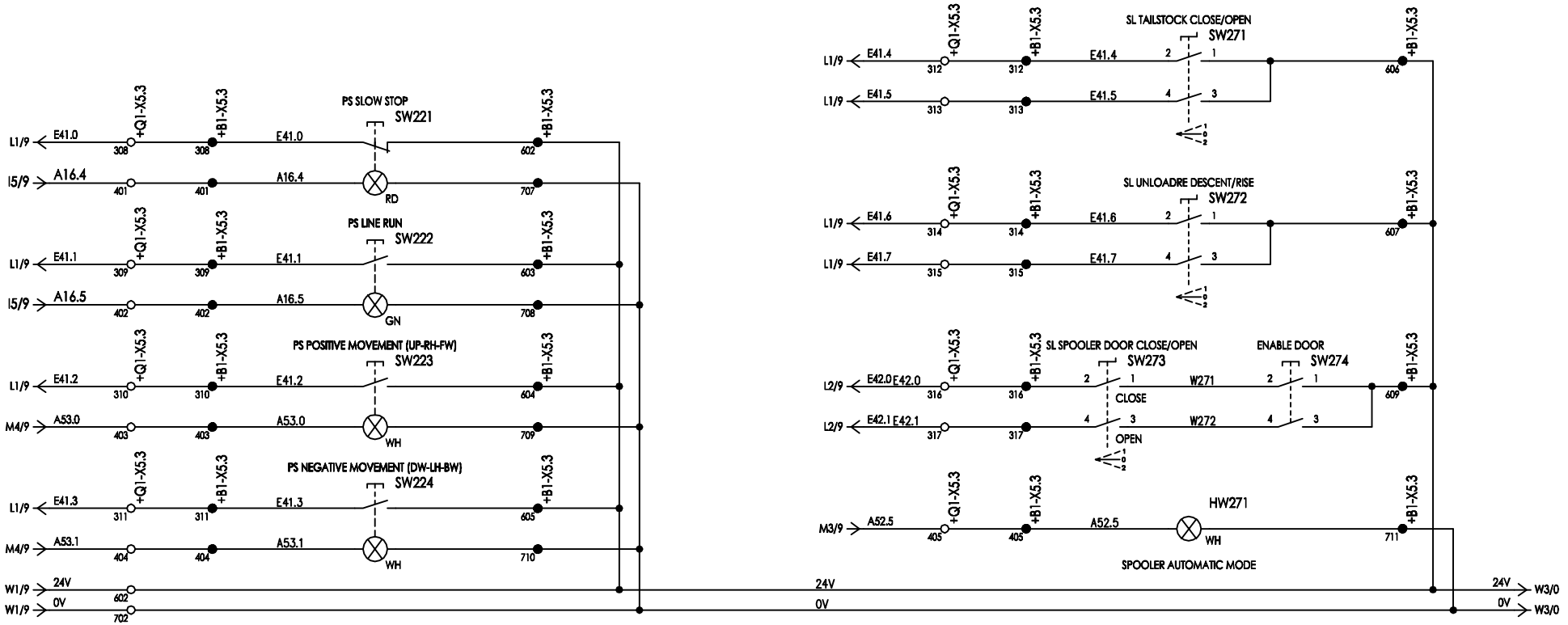




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A CONTROL BOARD		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet W1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow W2

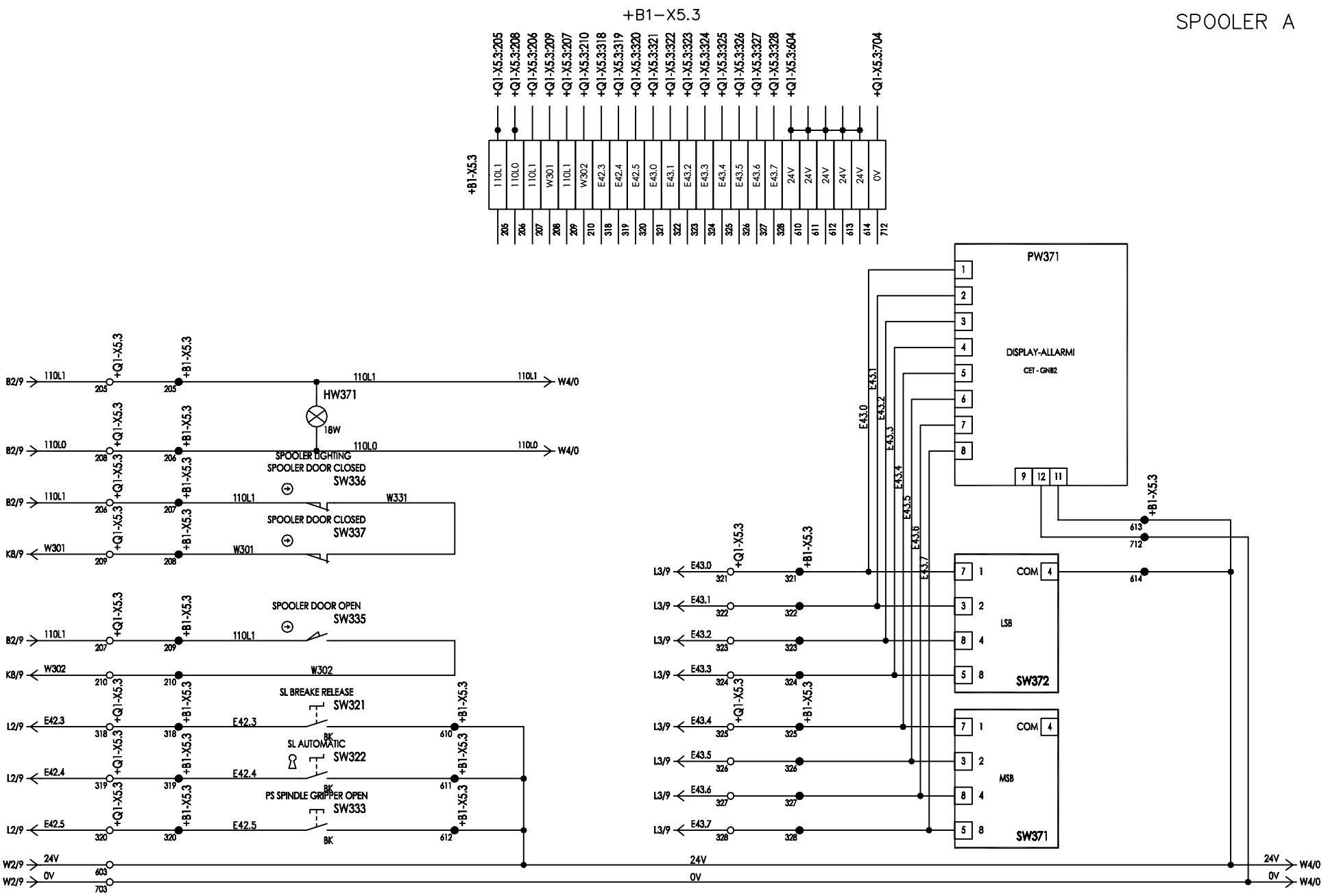
SPOOLER A





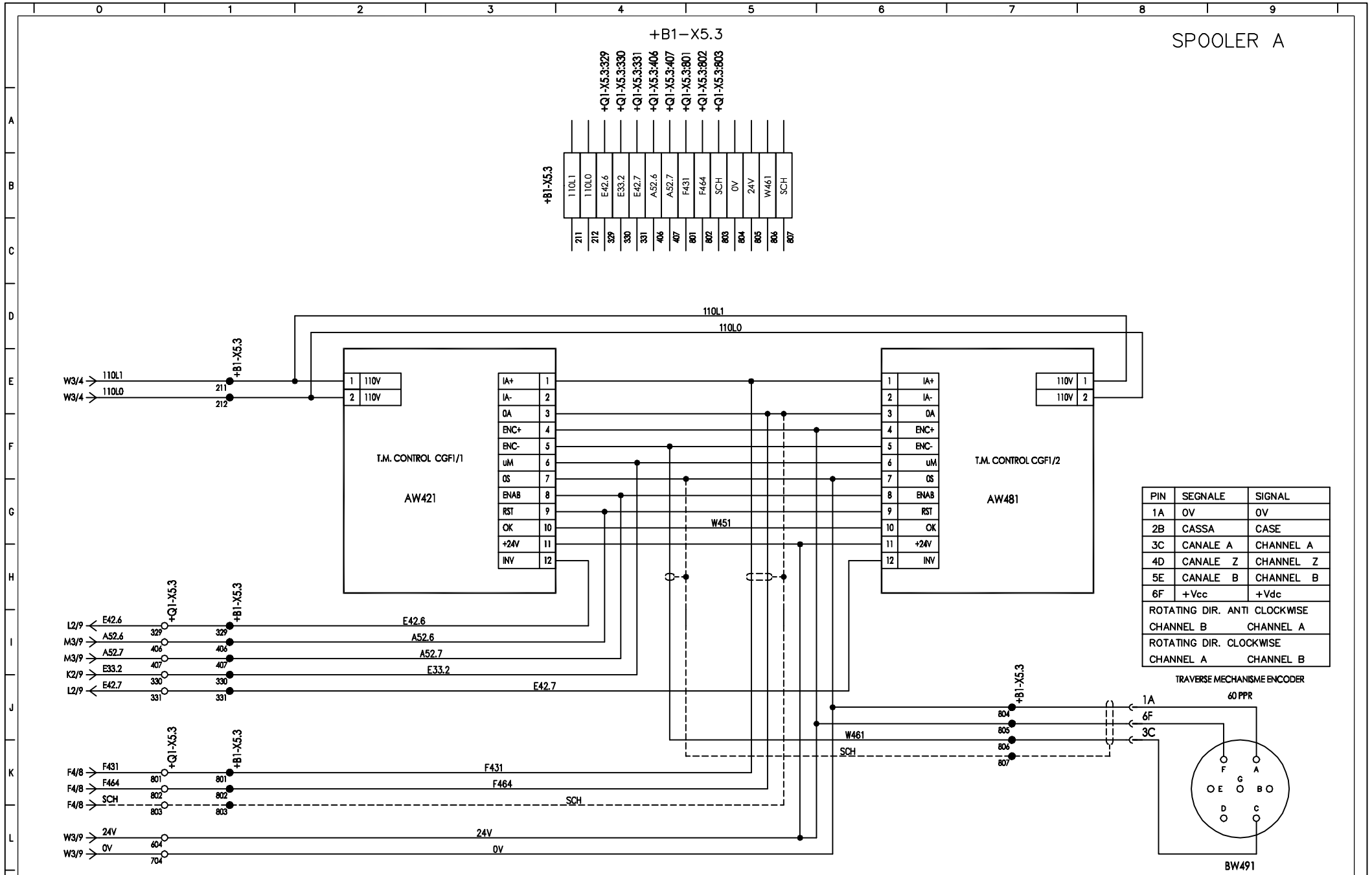
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A CONTROL BOARD		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet W2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow W3

SPOOLER A



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A CONTROL BOARD		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet W3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow W4

SPOOLER A

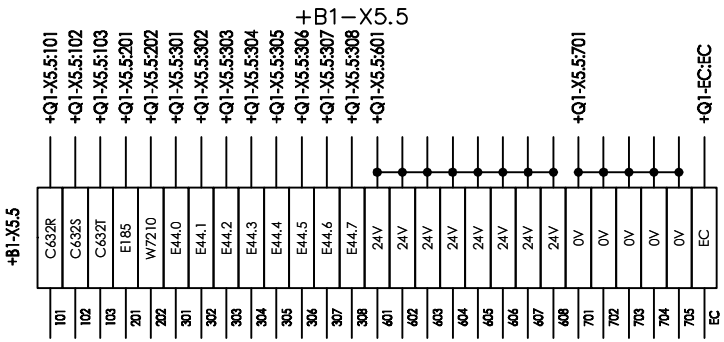


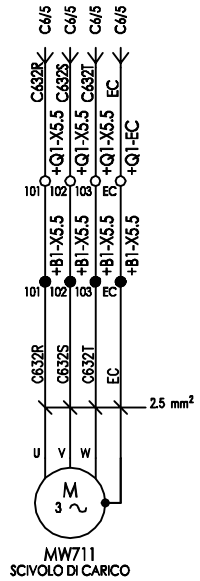
PIN	SEGNALE	SIGNAL
1A	0V	0V
2B	CASSA	CASE
3C	CANALE A	CHANNEL A
4D	CANALE Z	CHANNEL Z
5E	CANALE B	CHANNEL B
6F	+Vcc	+Vdc
ROTATING DIR. ANTI CLOCKWISE CHANNEL B CHANNEL A		
ROTATING DIR. CLOCKWISE CHANNEL A CHANNEL B		

TRAVERSE MECHANISME ENCODER

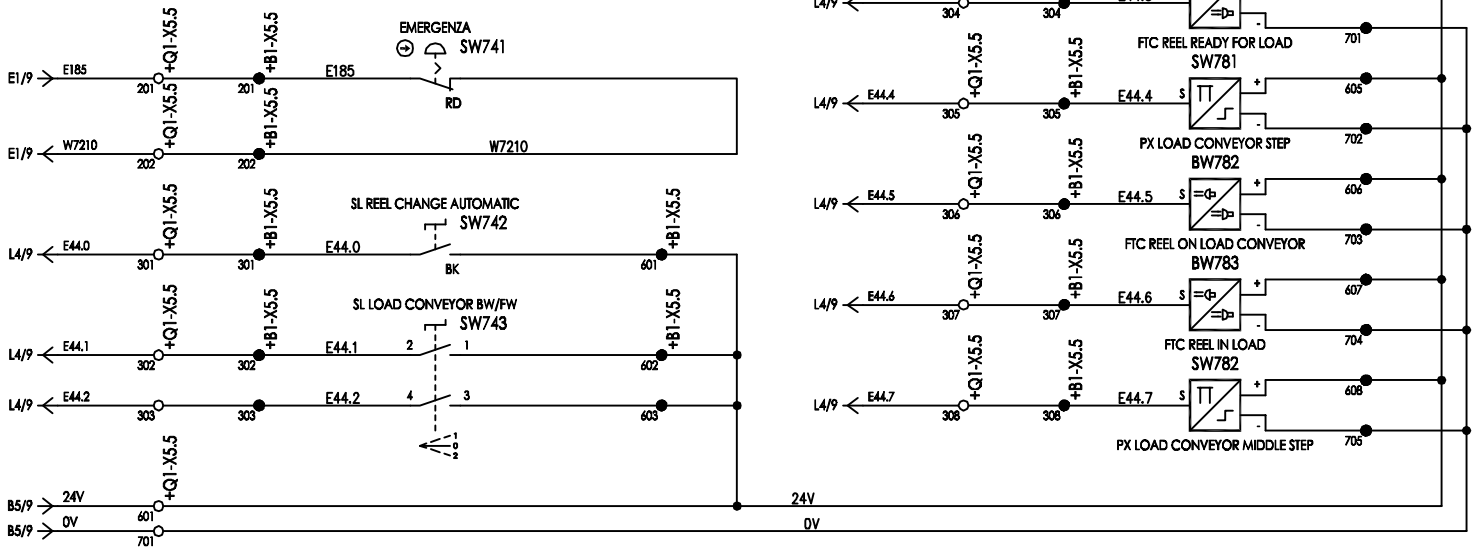
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A TRAVERSE CONTROL		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet W4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow W7

SPOOLER A



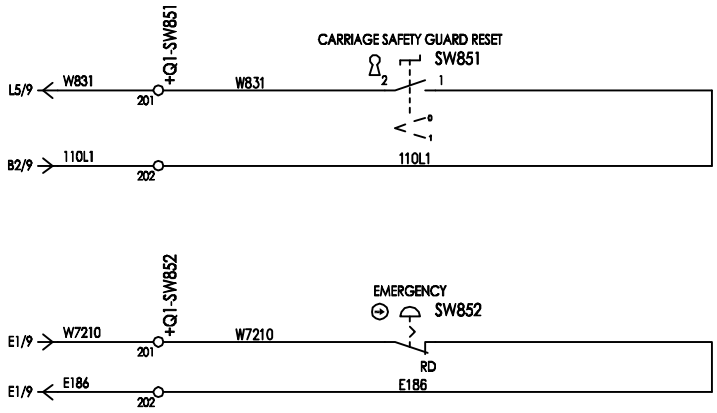


P	0.18KW
V	400V
I	0,74A
Freq.	50Hz



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A LOAD CONVEYOR		+	B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet W7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow W8

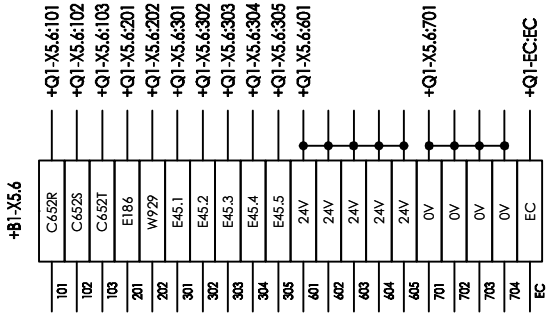
DIRECT CONNECTION TO ELECTRICAL CABINET

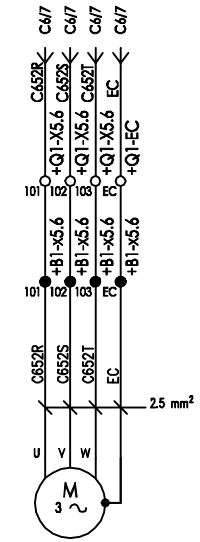


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A CONVEYOR CONTROLS		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet W8
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow W9

+B1−X5.6

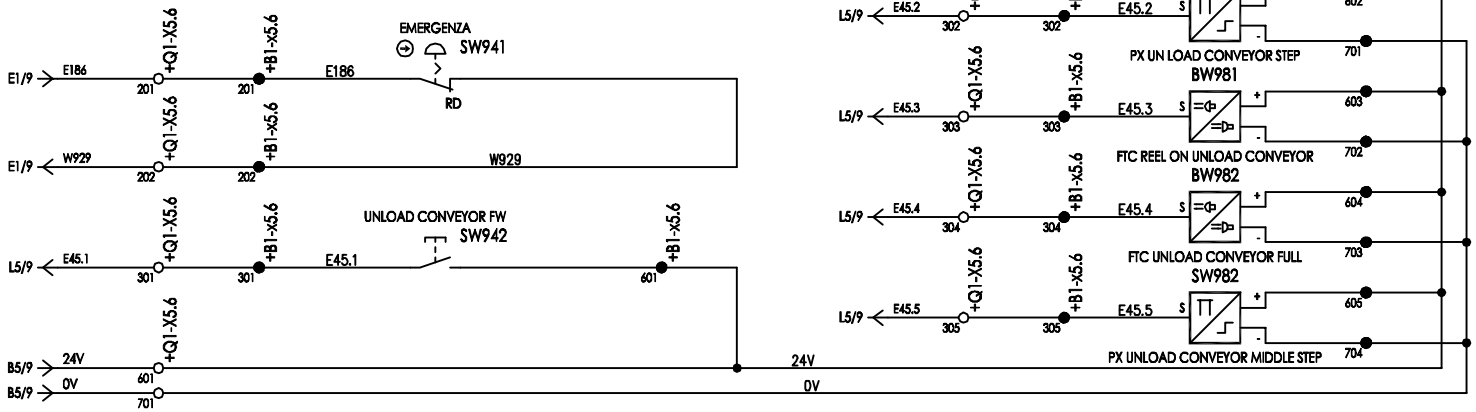
SPOOLER A





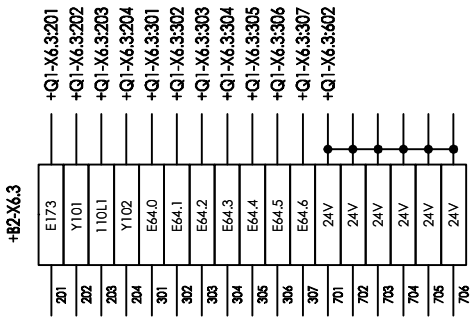
SCIVOLO DI SCARICO

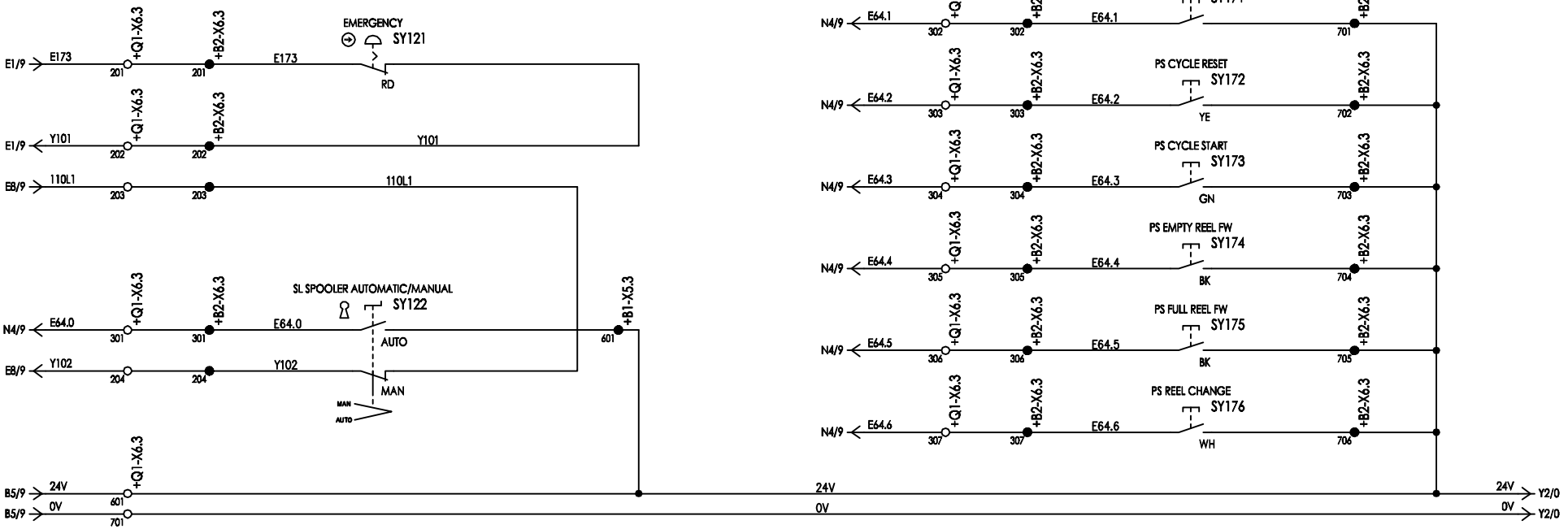
P	0.75KW
V	400V
I	2,05A
Freq.	50Hz



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A UNLOAD CONVEYOR		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet W9
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow Y1

SPOOLER B

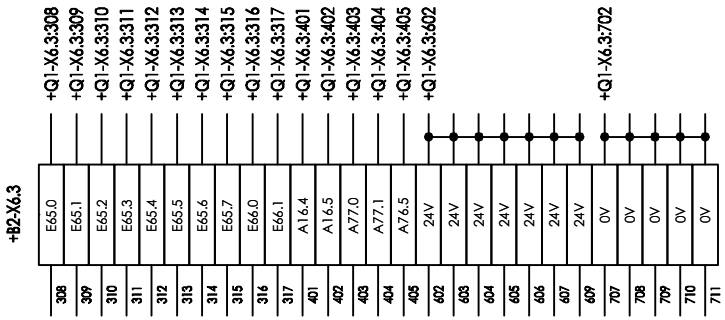


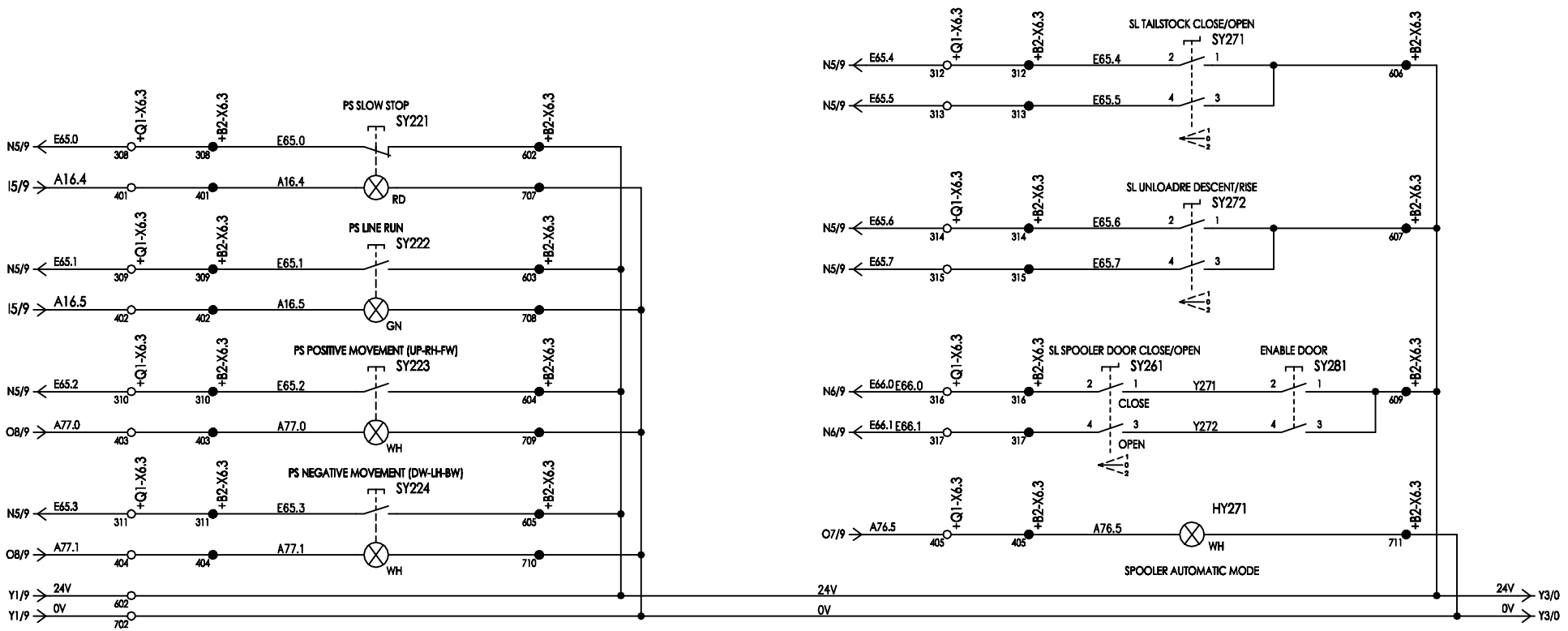


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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet Y1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow Y2

SPOOLER B

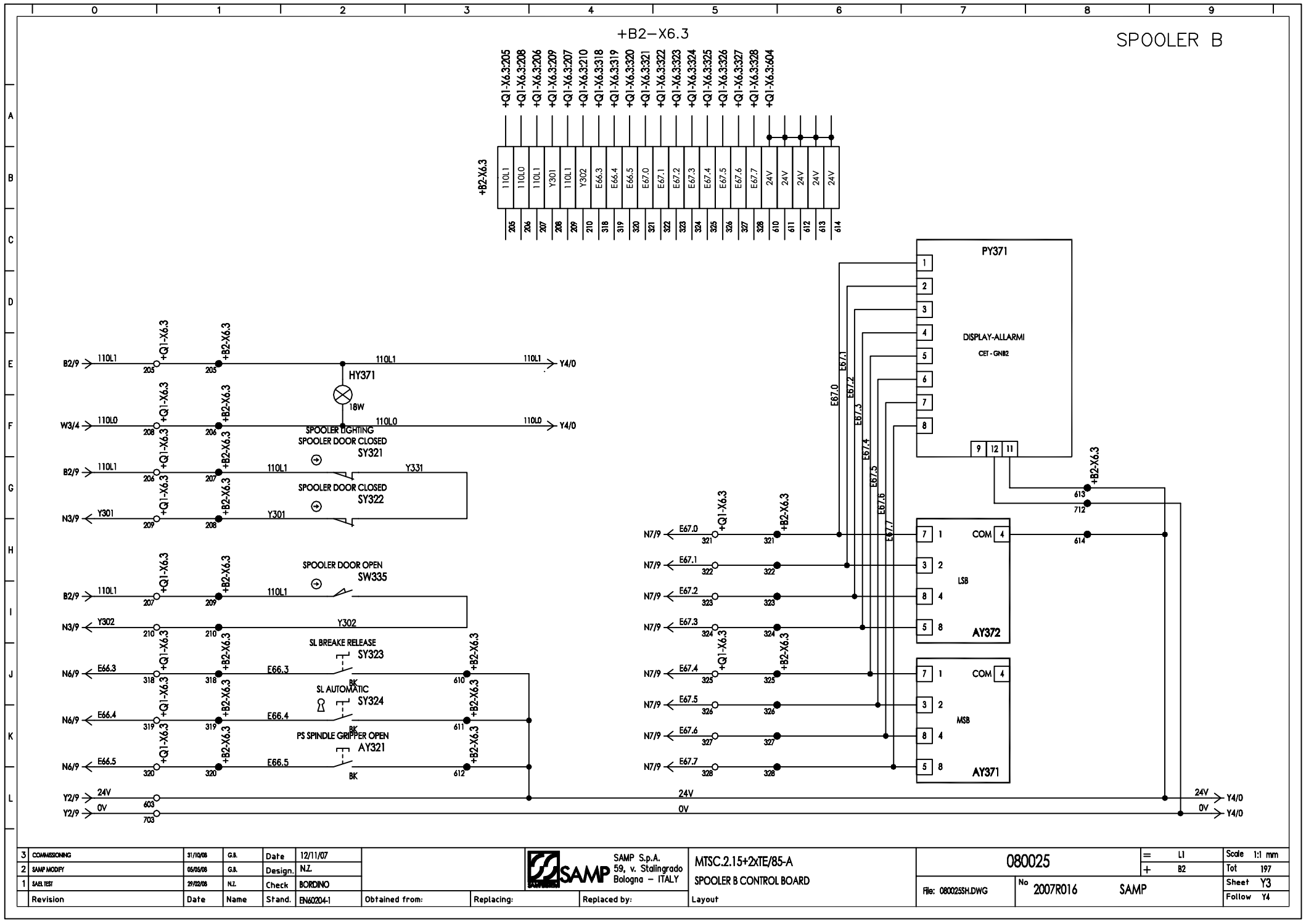
+B2–X6.3





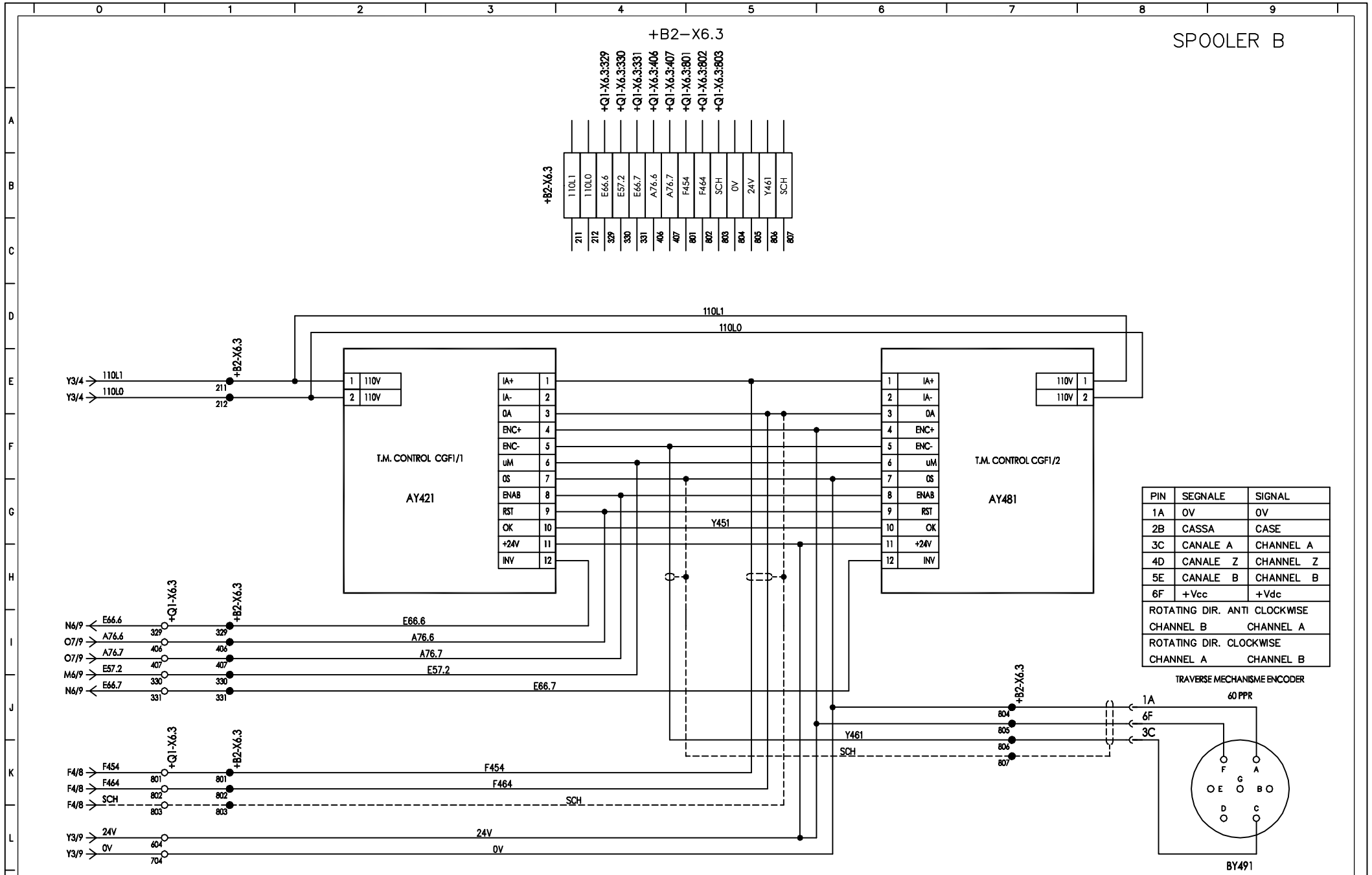
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B CONTROL BOARD		+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet Y2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow Y3

SPOOLER B



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A SPOOLER B CONTROL BOARD	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet Y3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow Y4

SPOOLER B

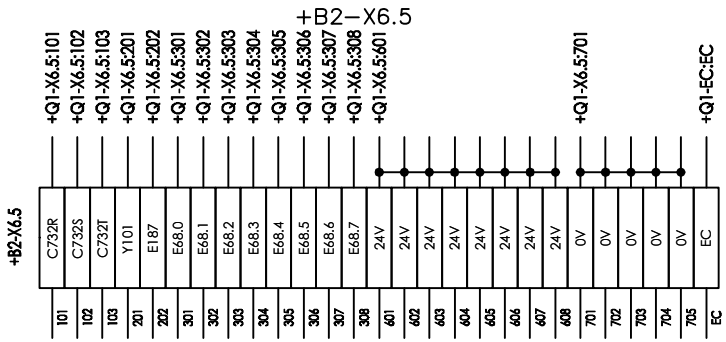


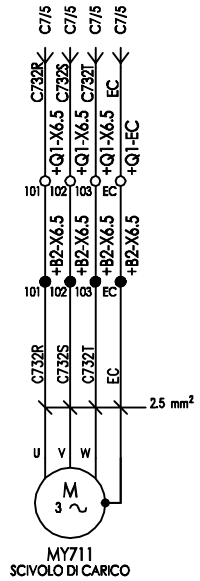
PIN	SEGNALE	SIGNAL
1A	0V	0V
2B	CASSA	CASE
3C	CANALE A	CHANNEL A
4D	CANALE Z	CHANNEL Z
5E	CANALE B	CHANNEL B
6F	+Vcc	+Vdc
ROTATING DIR. ANTI CLOCKWISE CHANNEL B CHANNEL A		
ROTATING DIR. CLOCKWISE CHANNEL A CHANNEL B		

TRAVERSE MECHANISME ENCODER

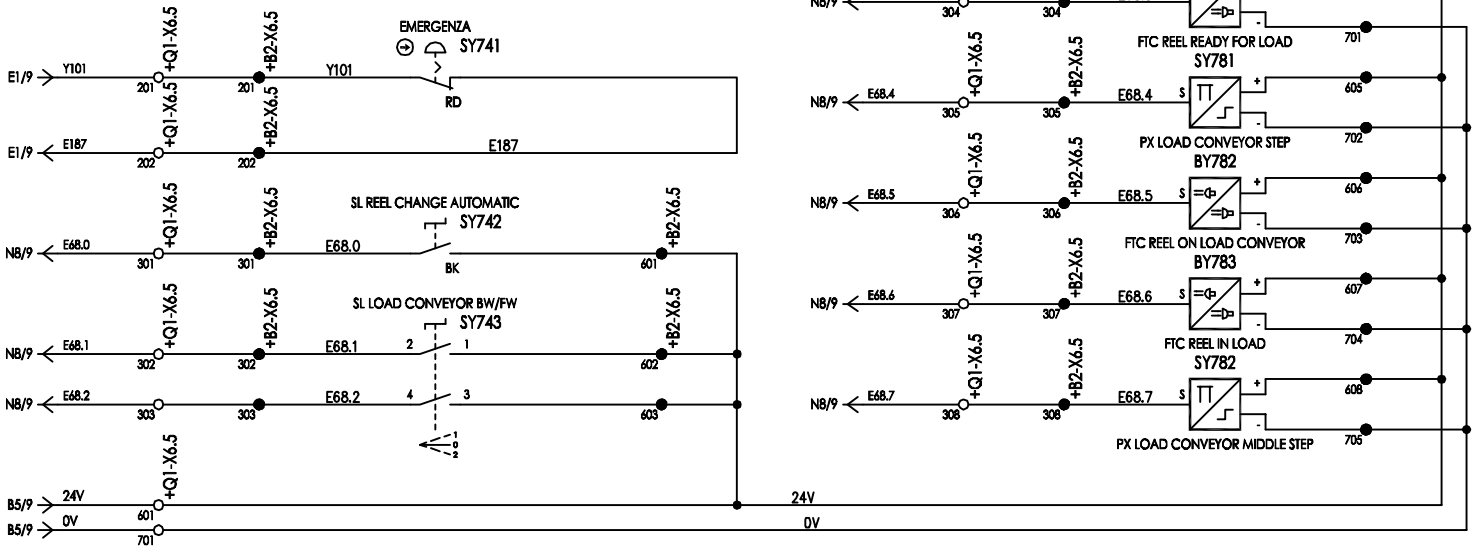
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B TRAVERSE CONTROL		+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet Y4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow Y7

SPOOLER B





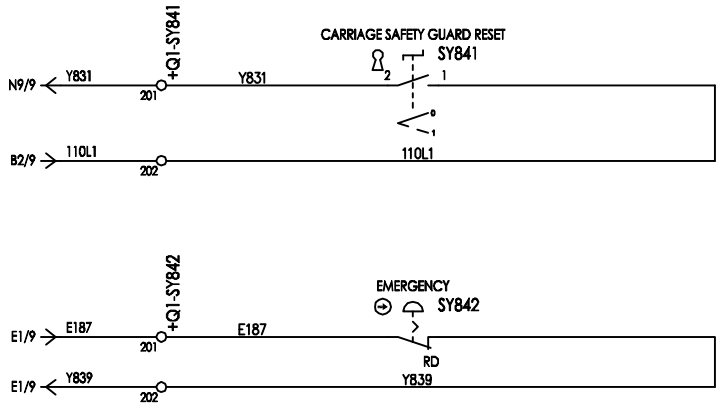
P	0.18KW
V	400V
I	0,74A
Freq.	50Hz



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B LOAD CONVEYOR		+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet Y7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow Y8

SPOOLER B

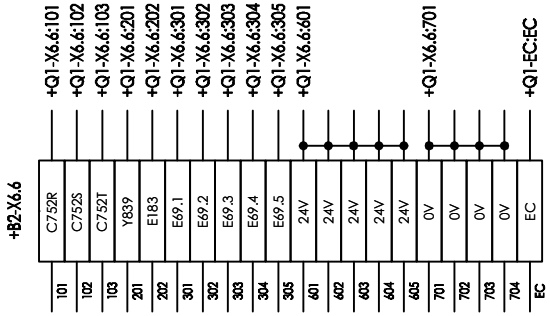
DIRECT CONNECTION TO ELECTRICAL CABINET

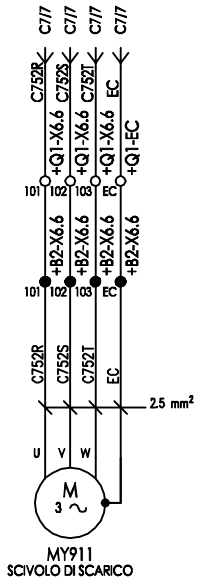


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B LOAD CONVEYOR CONTROLS		+	B2	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	Y8
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	Y9

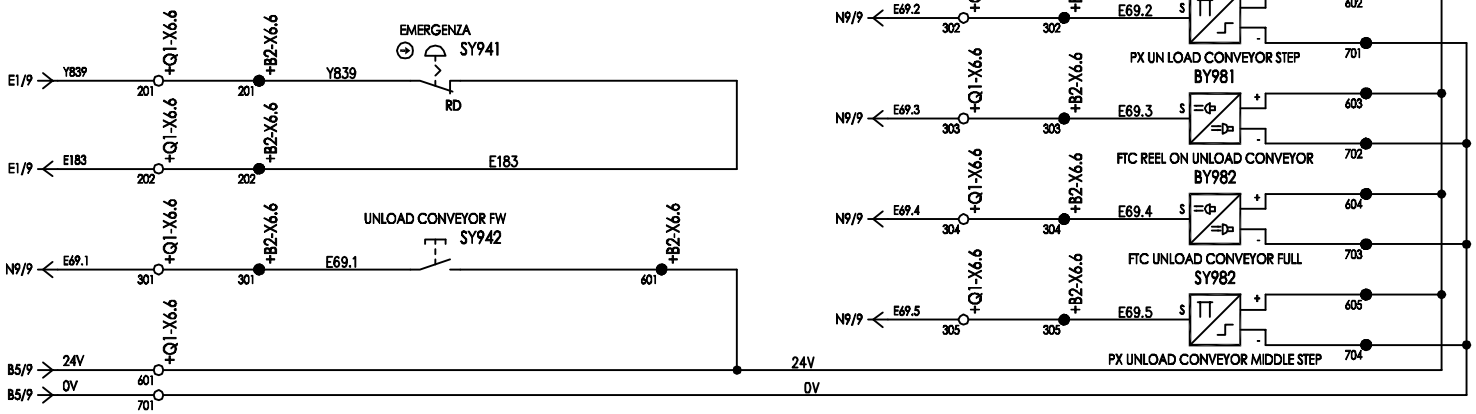
+B2−X6.6

SPOOLER B



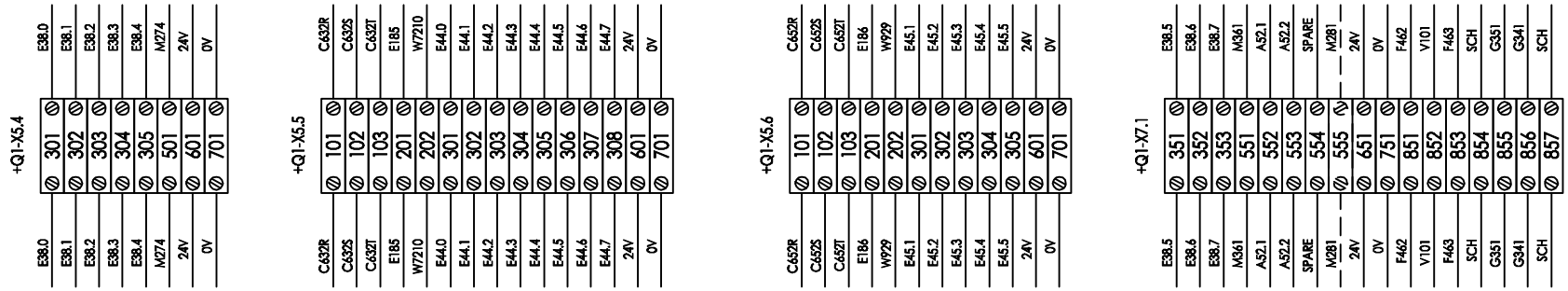


P	0.75KW
V	400V
I	2,05A
Freq.	50Hz

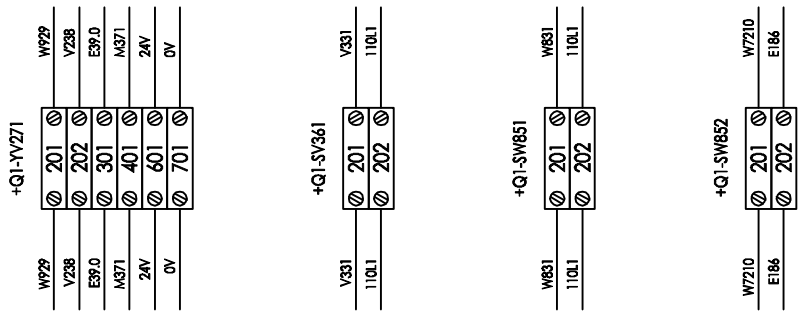


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B UNLOAD CONVEYOR		+ B2
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	

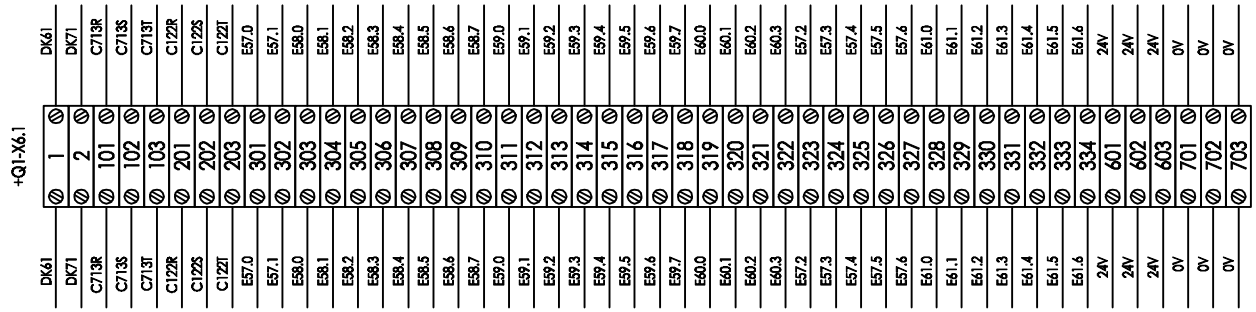
Scale 1:1 mm | Tot 197 | Sheet Y9 | Follow



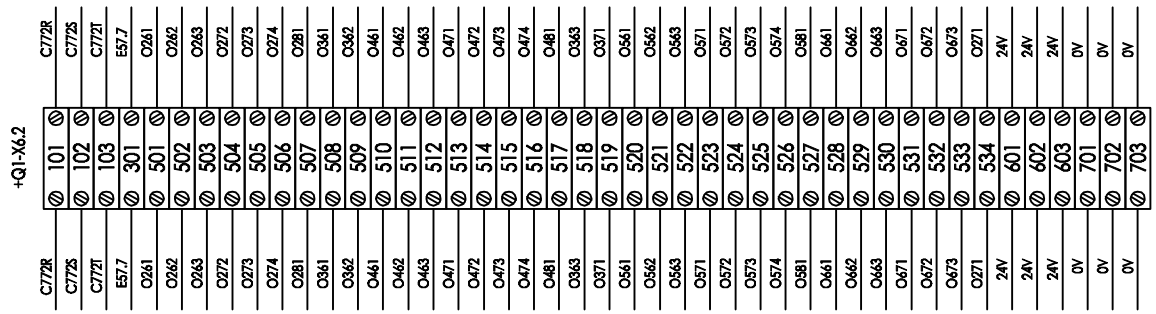
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A TERMINAL BOARDS X5.4-X5.5-X5.6-X7.1	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OG
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OH



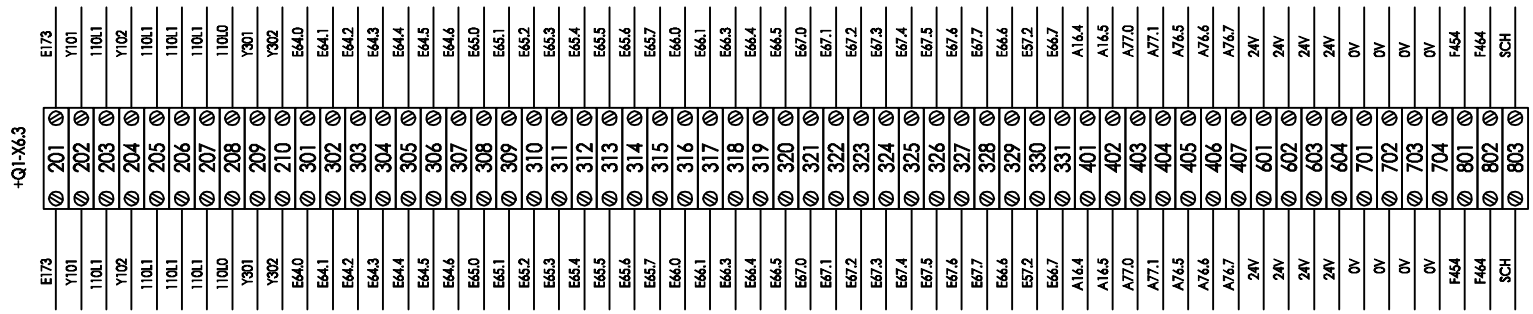
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			TERMINAL BOARDS		+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OH
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OJ



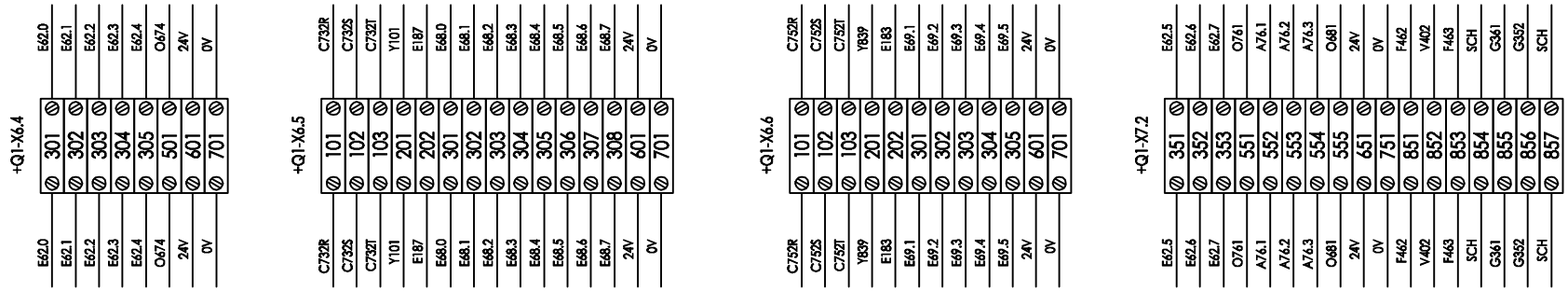
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			TERMINAL BOARDS X6.1		+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OJ
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OK



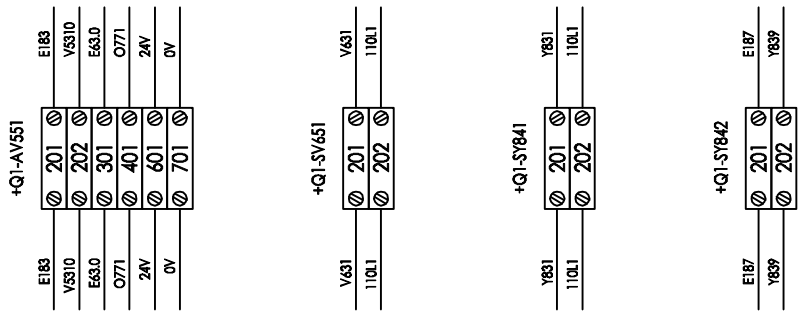
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A TERMINAL BOARDS X6.2	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OK
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OL



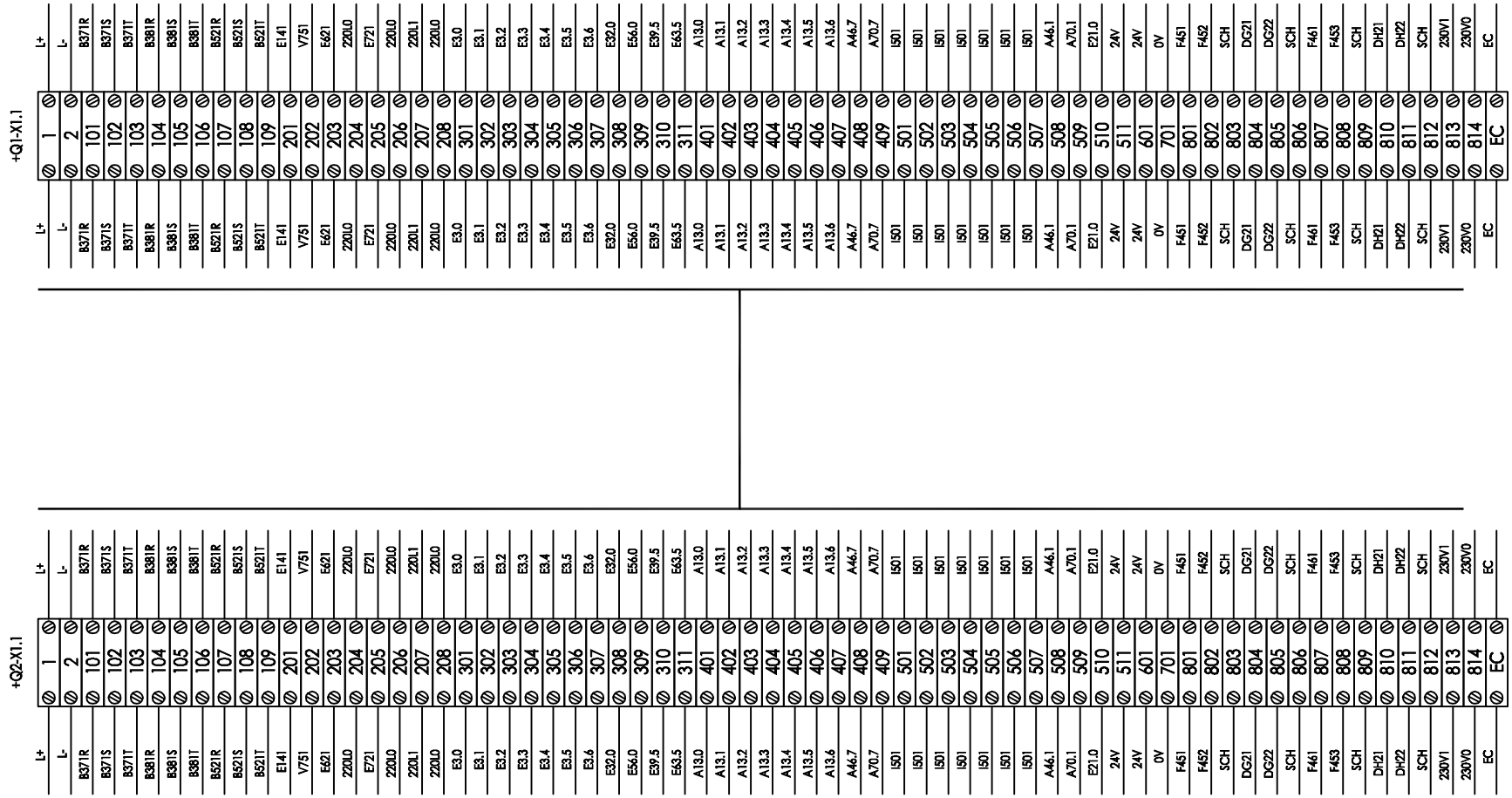
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			TERMINAL BOARDS X6.3		+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OL
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OM



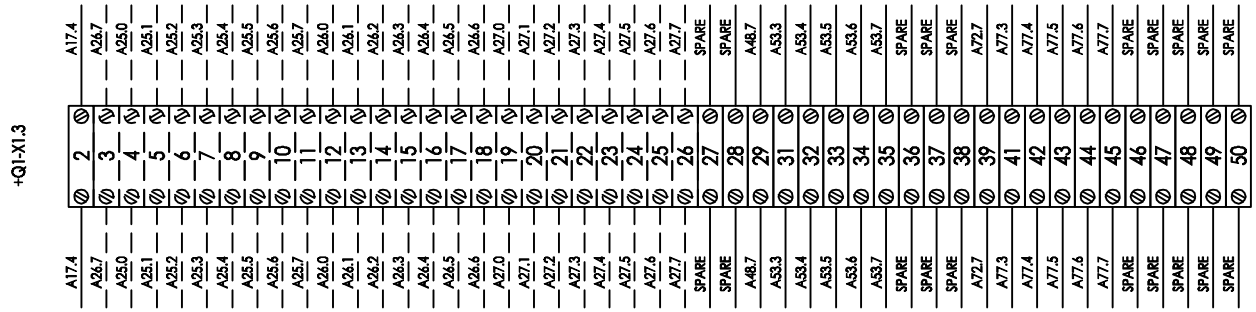
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			TERMINAL BOARDS X6.4-X6.5-X6.6-X7.2		+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OM
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow ON



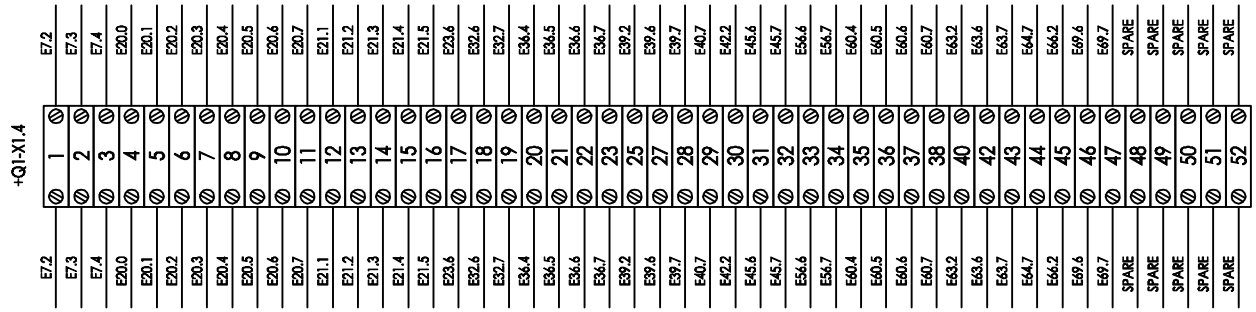
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A TERMINAL BOARDS	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet ON
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OO

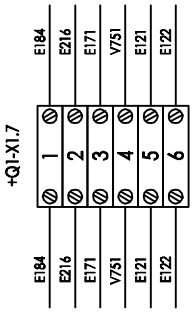


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A TERMINAL BOARDS	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet 00
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 060115SH	No SAMP		Follow OP

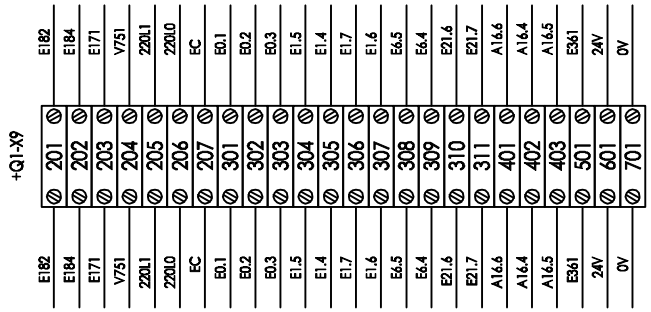


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A TERMINAL BOARDS X1.3	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OP
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OQ

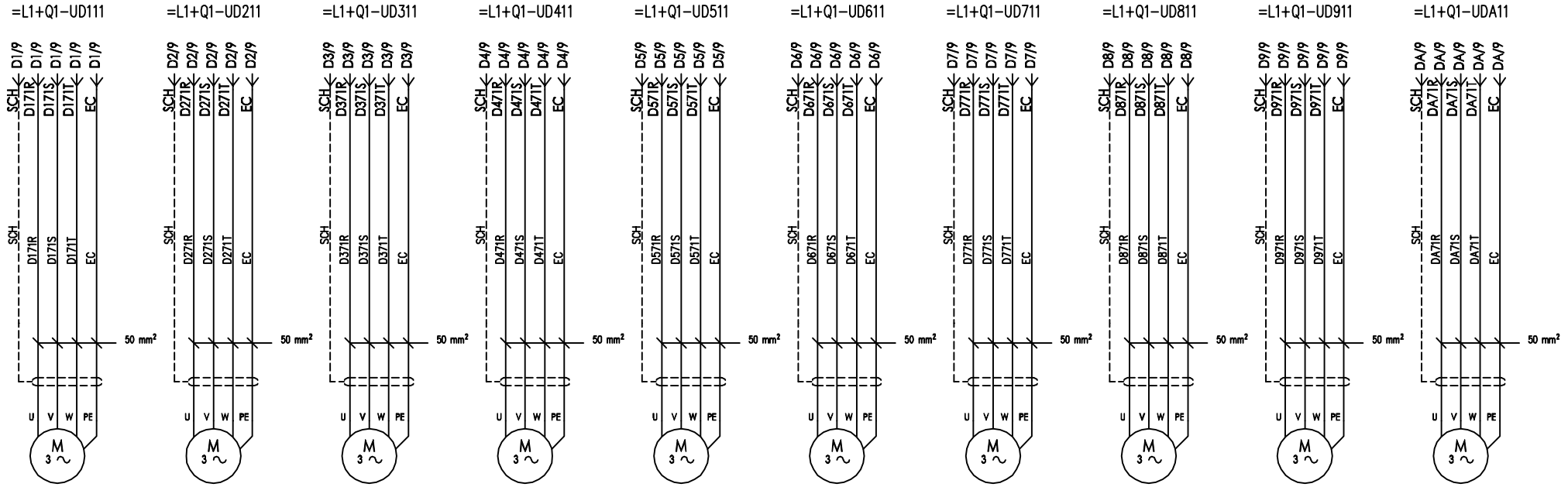




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			TERMINAL BOARDS X1.4-X1.7		+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OQ
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow OR

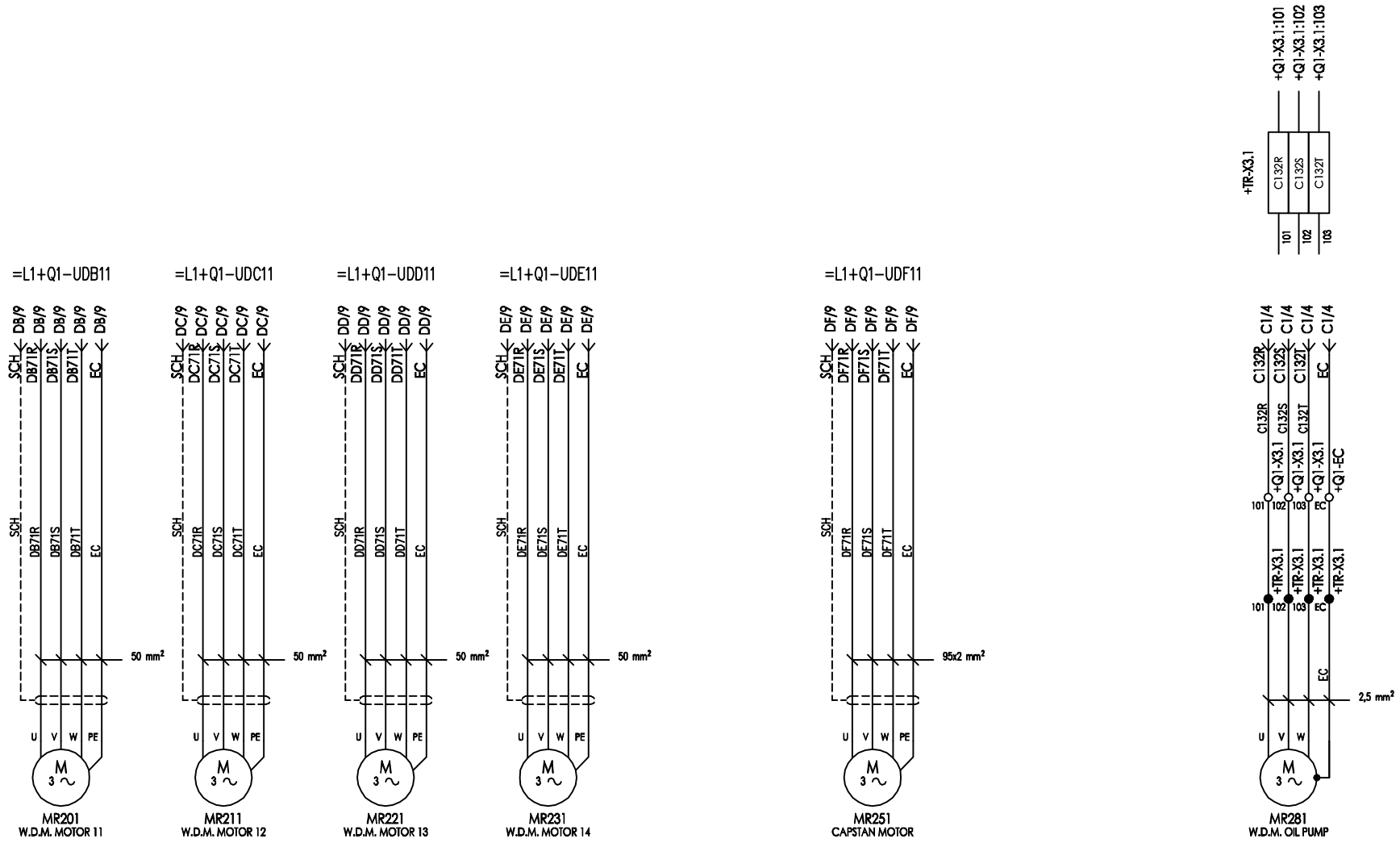


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A TERMINAL BOARDS X9	080025SH.DWG	=	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 060115SH	No SAMP	Sheet OR
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow R1



MOTOR:	500201045
Varm:	370V
Iarm:	100A
Vecc	----
Iecc:	----
RPM CT:	1800
RPM CP:	2800
Feedback:	ENC.LD 1024PPR
NOTE:	55.2KW

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. 1-9 MOTORS	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet R1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow R2

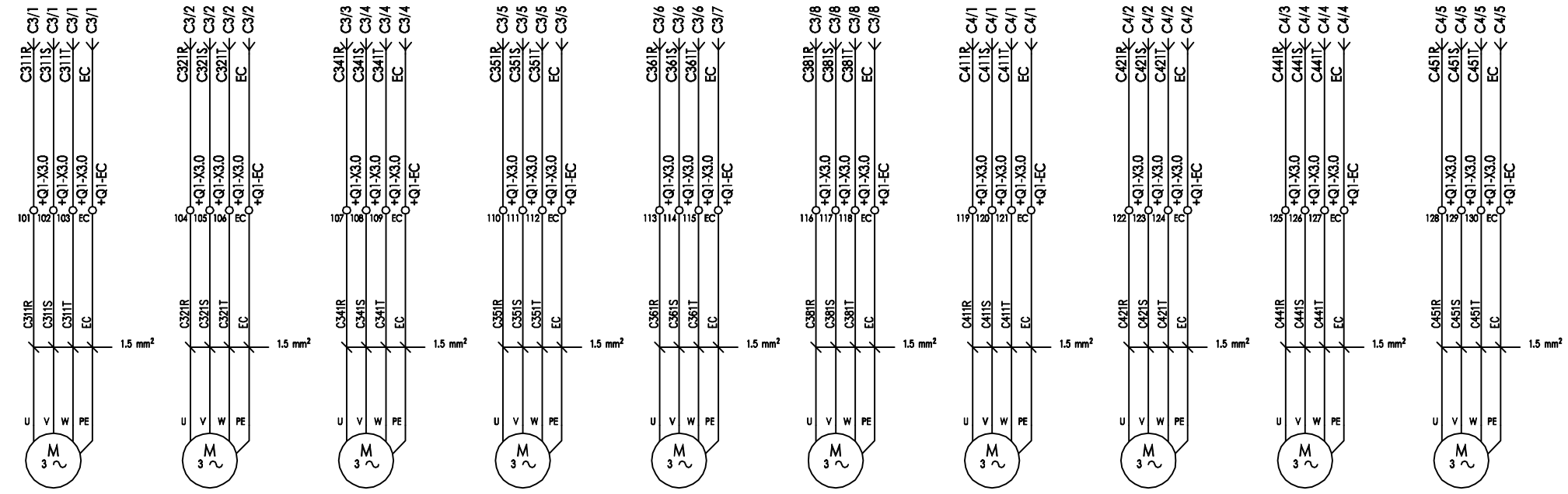


MOTOR:	500201045
Varm:	370V
Iarm:	100A
Vecc	----
Iecc:	----
RPM CT:	1800
RPM CP:	2800
Feedback:	ENC.LD 1024PPR
NOTE:	55.2KW

MOTOR:	CMS0000355
Varm:	360V
Iarm:	259A
Vecc	----
Iecc:	----
RPM CT:	1800
RPM CP:	2500
Feedback:	ENC.LD 1024PPR
NOTE:	132KW

P	4KW
V	400V
I	8.9A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.		W.D.M. 10-14- CAPSTAN MOTOR - OIL PUMP		+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet R2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	Follow R3



P	250W
V	400V
I	0.95A
Freq.	50Hz

P	250W
V	400V
I	0.95A
Freq.	50Hz

P	250W
V	400V
I	0.95A
Freq.	50Hz

P	250W
V	400V
I	0.95A
Freq.	50Hz

P	250W
V	400V
I	0.95A
Freq.	50Hz

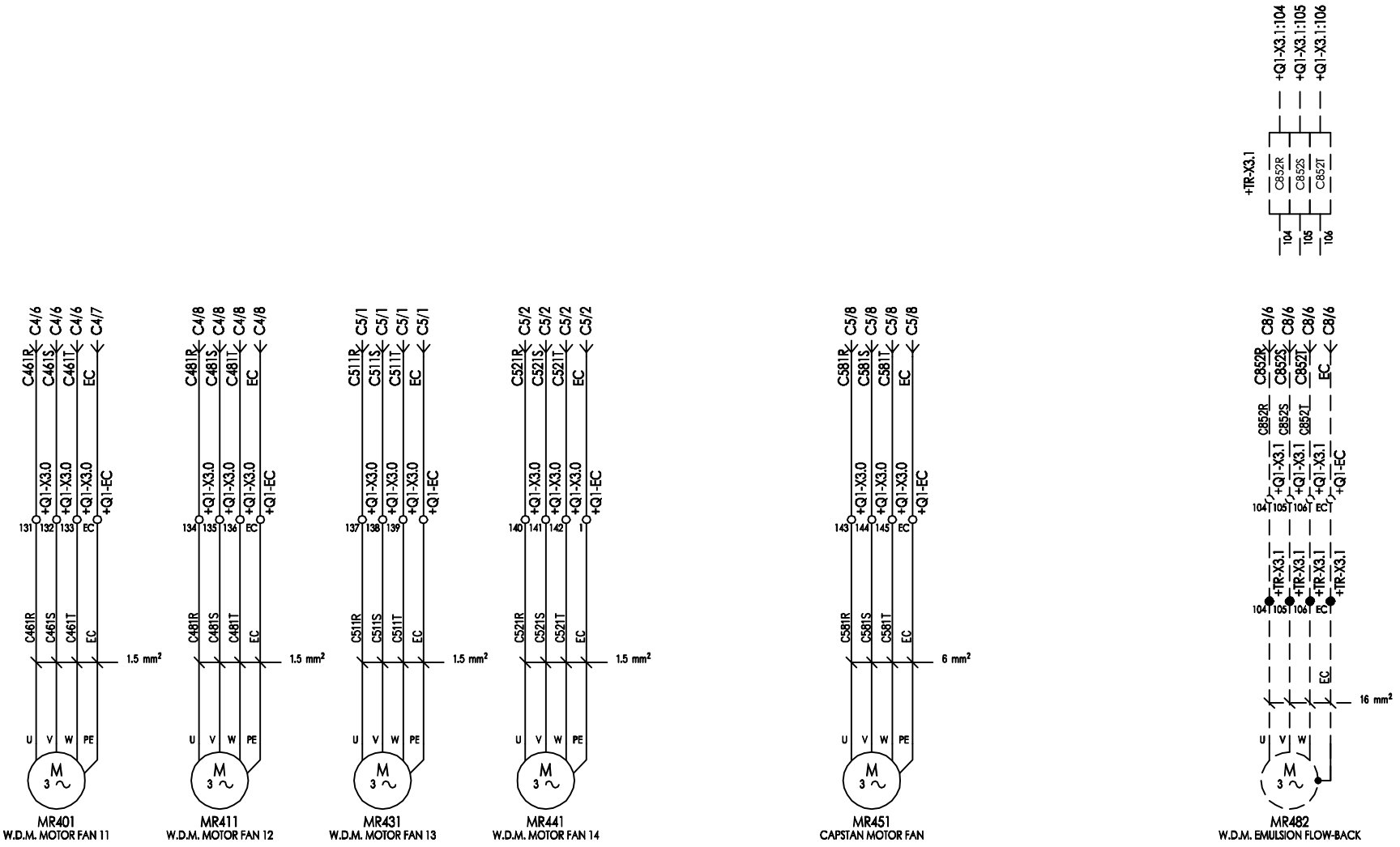
P	250W
V	400V
I	0.95A
Freq.	50Hz

P	250W
V	400V
I	0.95A
Freq.	50Hz

P	250W
V	400V
I	0.95A
Freq.	50Hz

P	250W
V	400V
I	0.95A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. 1-9 FAN MOTOR	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet R3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow R4



P	250W
V	400V
I	0.95A
Freq.	50Hz

P	250W
V	400V
I	0.95A
Freq.	50Hz

P	250W
V	400V
I	0.95A
Freq.	50Hz

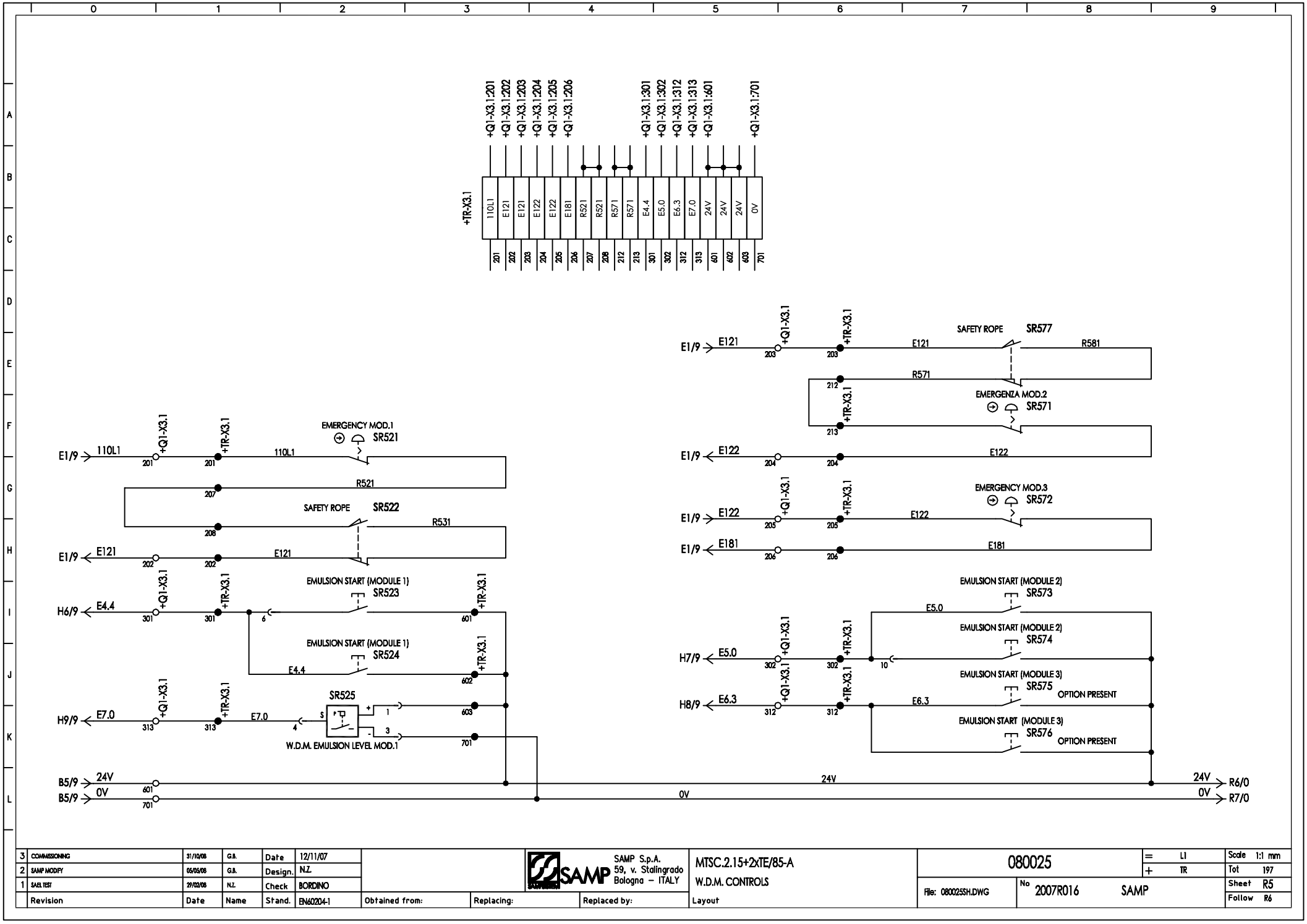
P	250W
V	400V
I	0.95A
Freq.	50Hz

P	1KW
V	400V
I	2.9A
Freq.	50Hz

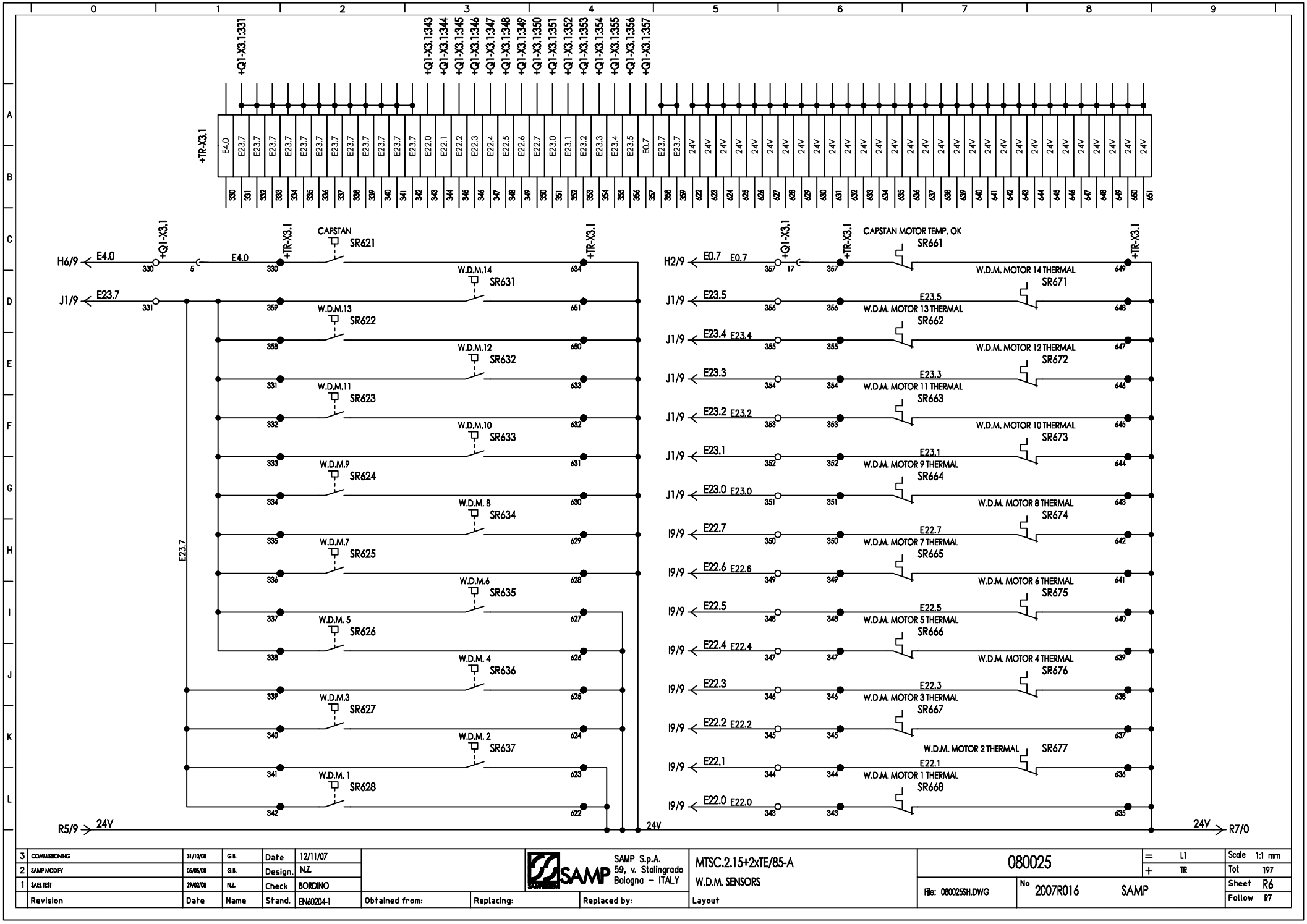
P	9.2 KW
V	400V
I	20A
Freq.	50Hz

OPTION NOT PRESENT

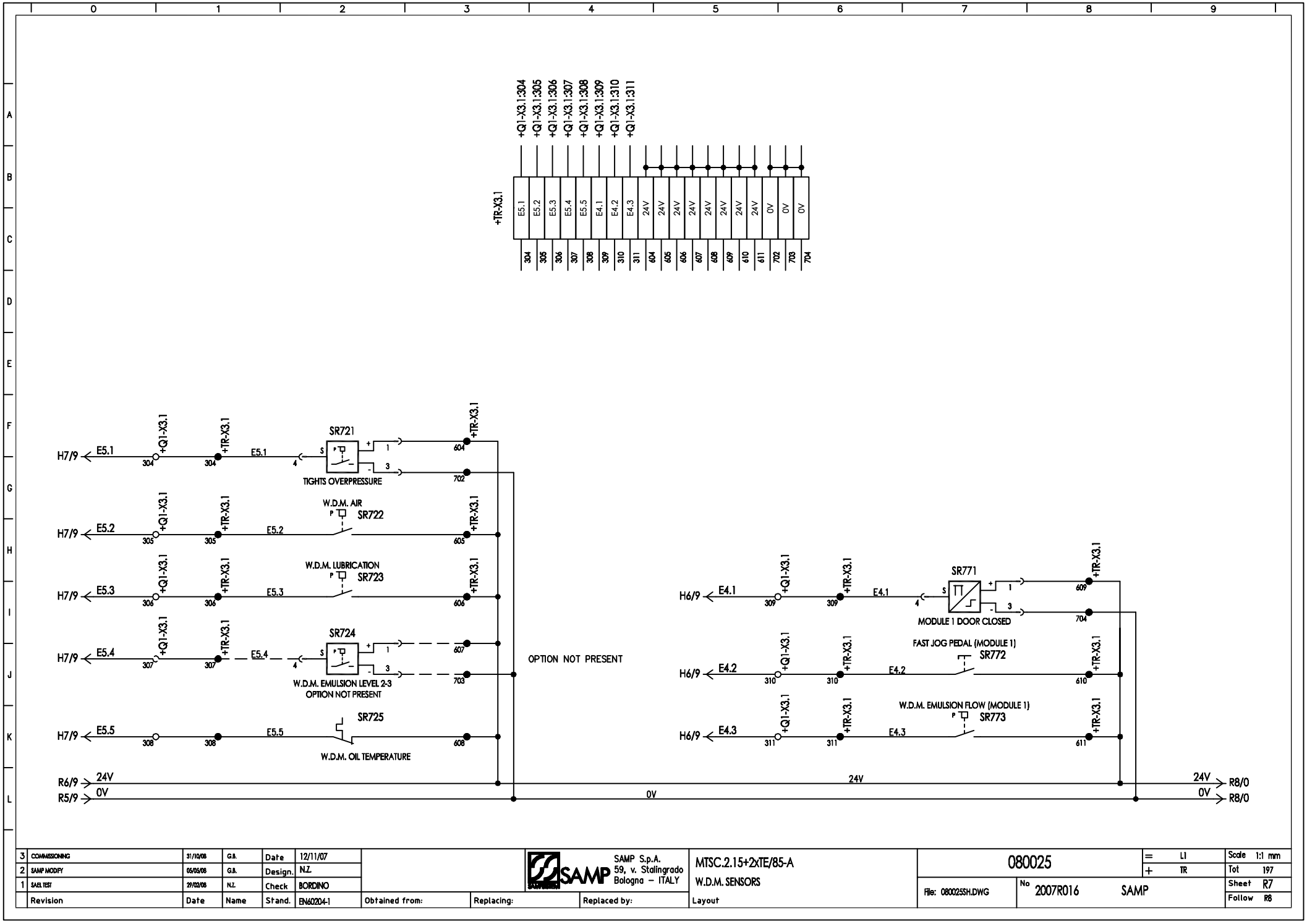
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			W.D.M. 10-13 CAPSTAN FAN MOTOR & FLOW-BACK		+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet R4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP		Follow R5



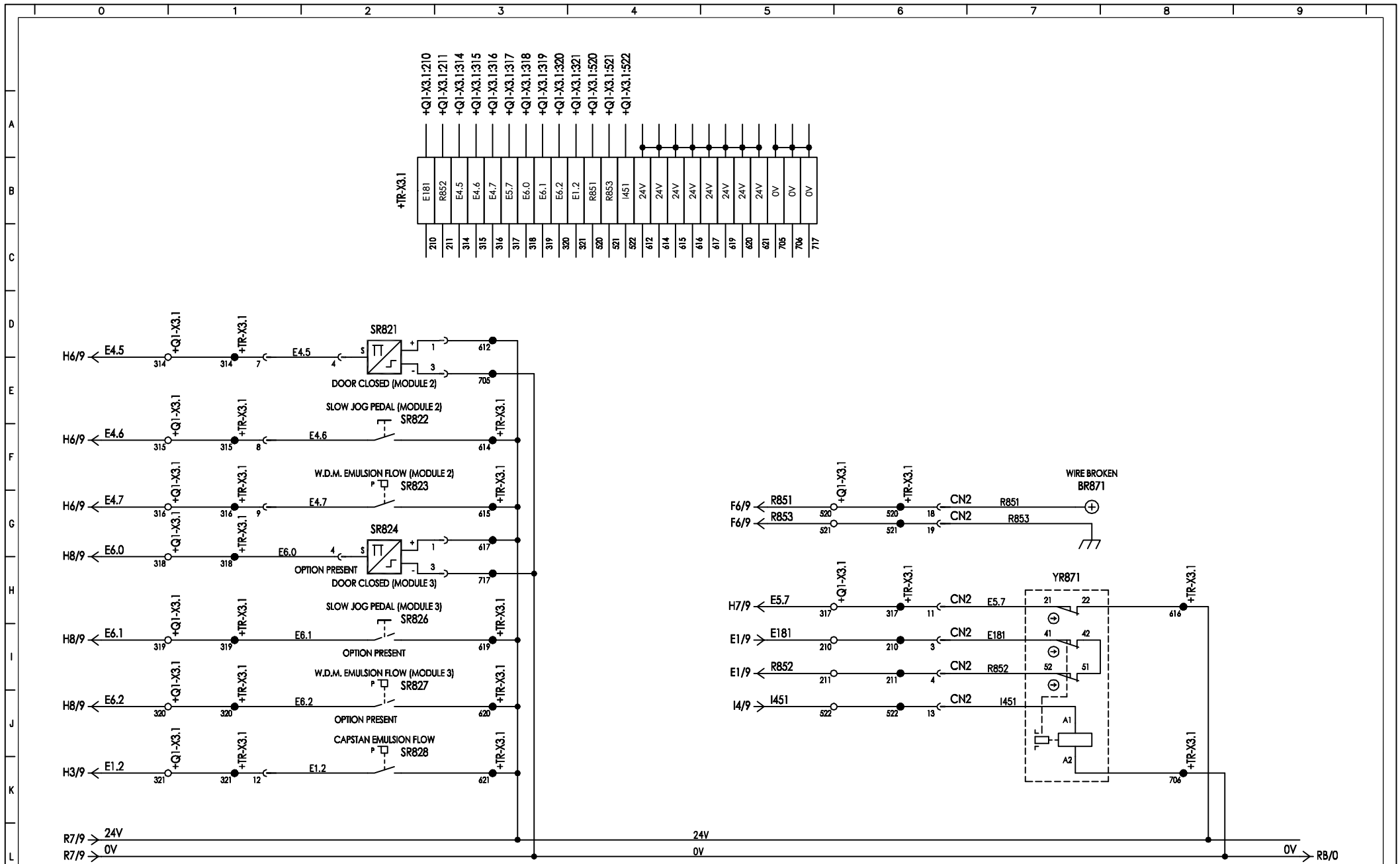
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			W.D.M. CONTROLS		+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet R5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow R6



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= LI	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			W.D.M. SENSORS		+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet R6
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow R7

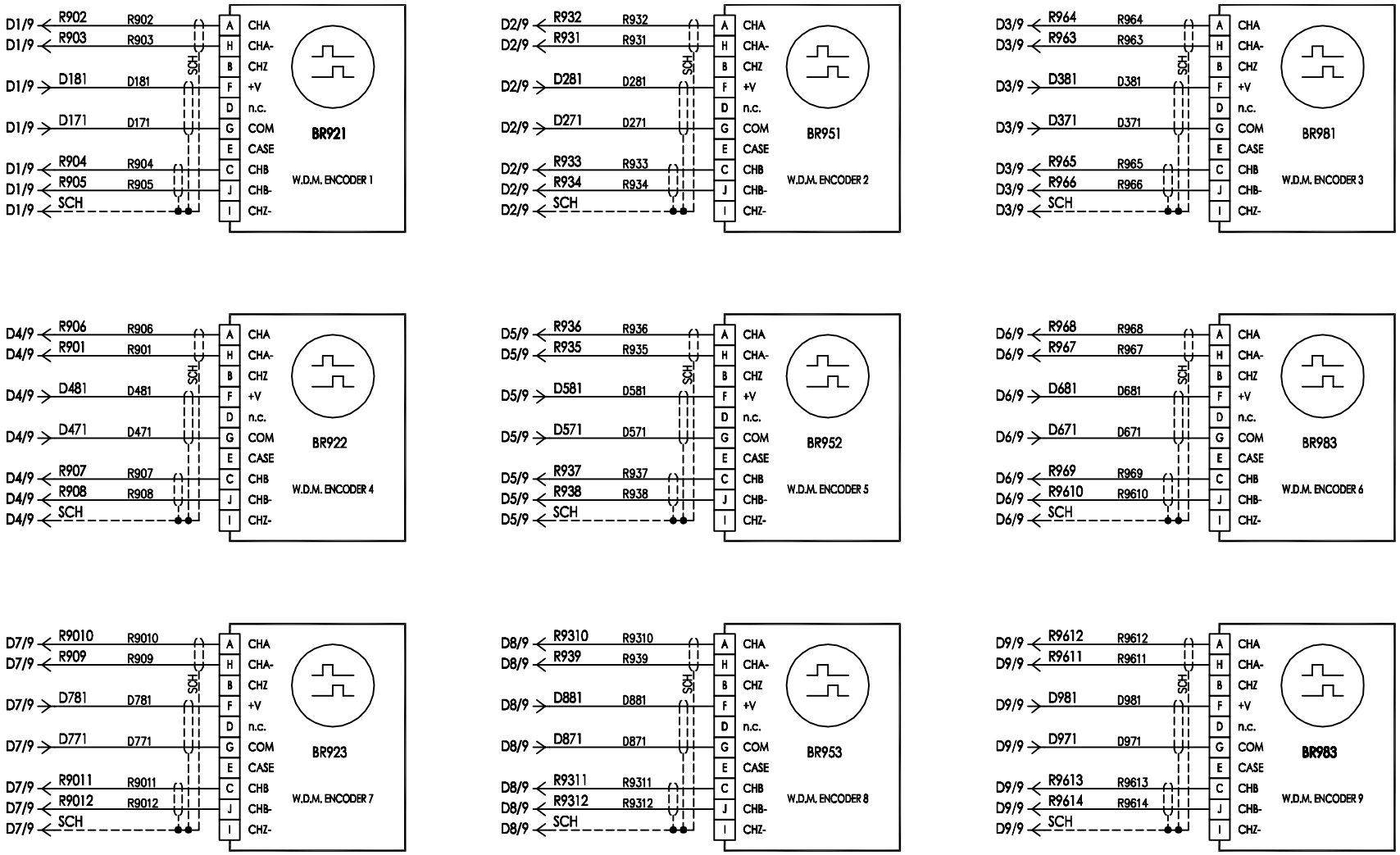


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= LI	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			W.D.M. SENSORS		+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet R7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow R8



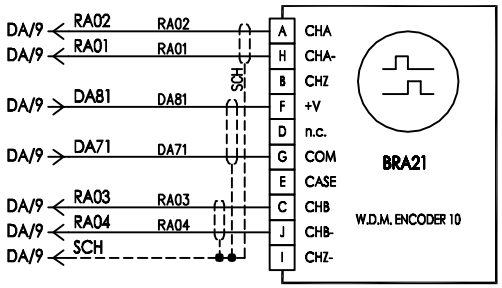
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet R8
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow R9

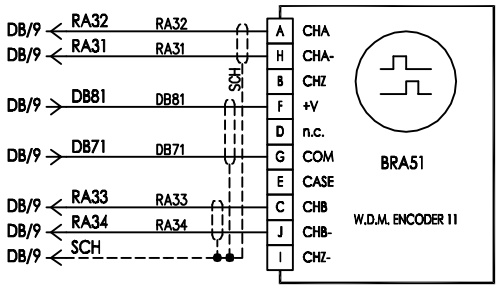
ENCODER TIPO "LINE-DRIVE" 24V 1024 IMPULSI/GIRO

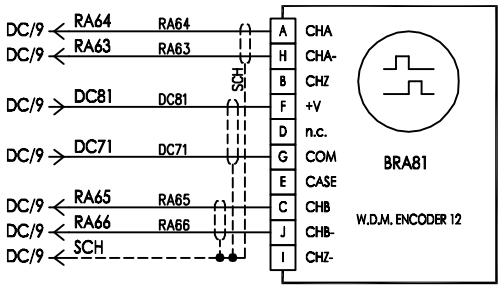


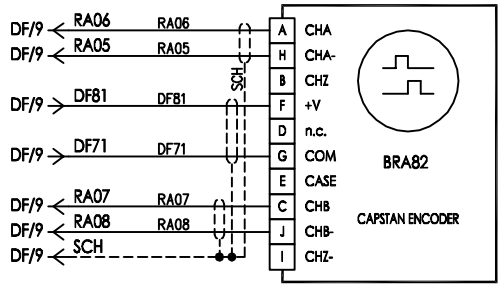
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2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			W.D.M. ENCODERS		+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet R9
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow RA

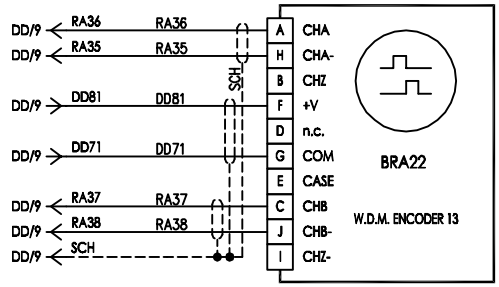
ENCODER TIPO "LINE-DRIVE" 24V 1024 IMPULSI/GIRO

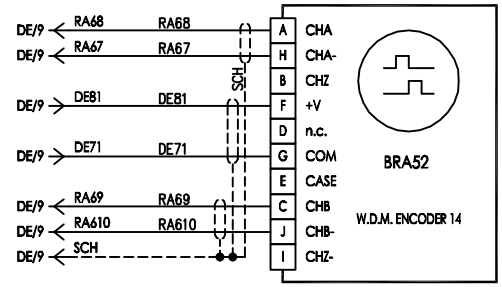




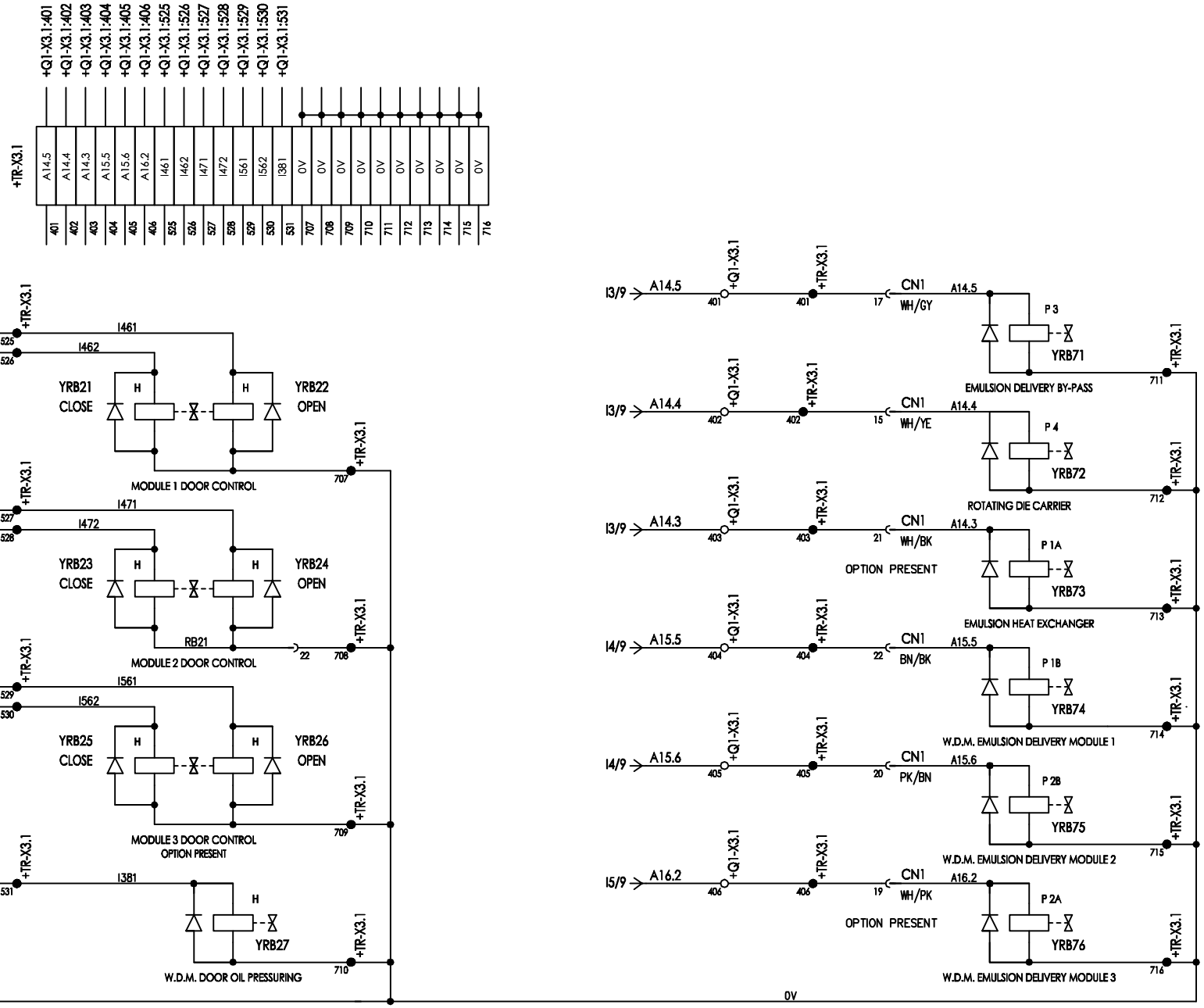




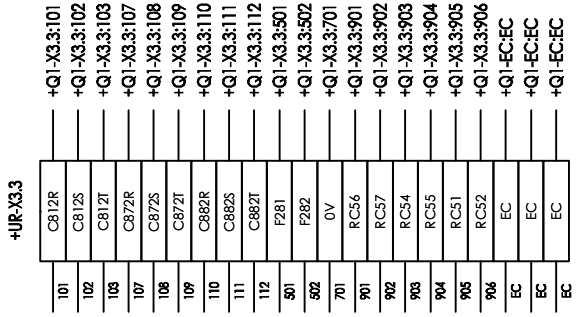


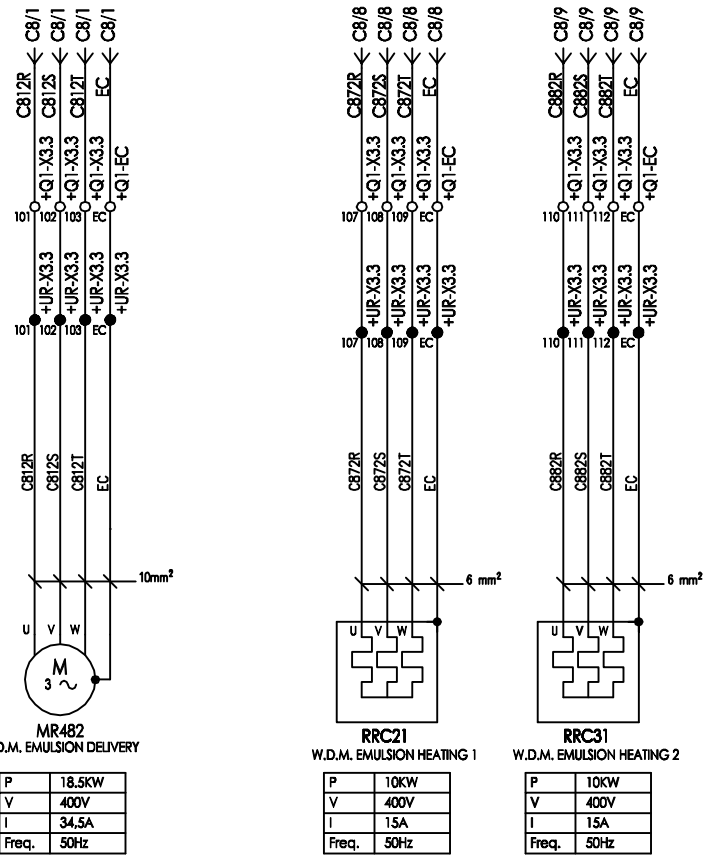


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= LI	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			W.D.M. - CAPSTAN ENCODERS		+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet RA
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow RB



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. ELECTROVALVES	080025	= LI	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet RB
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow RC



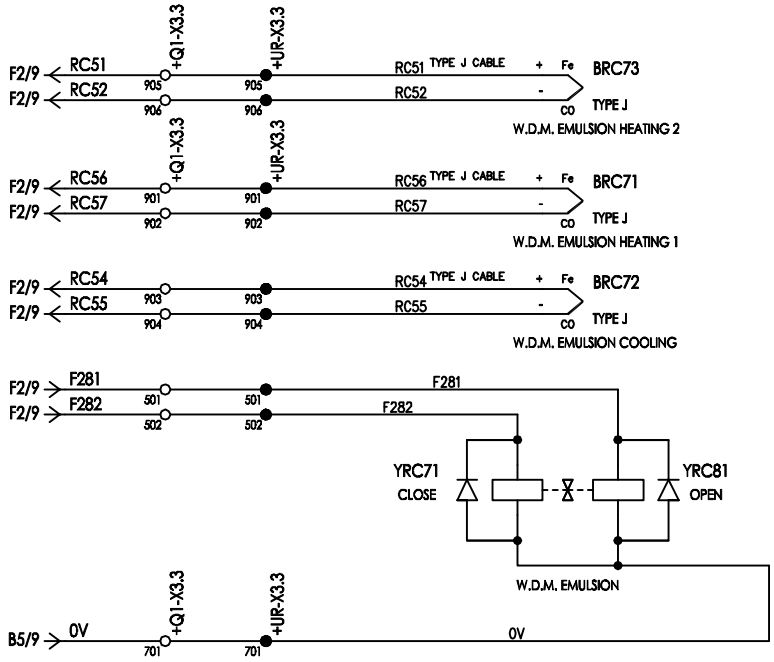


P	18.5KW
V	400V
I	34,5A
Freq.	50Hz

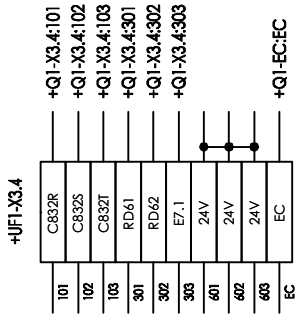
P	10KW
V	400V
I	15A
Freq.	50Hz

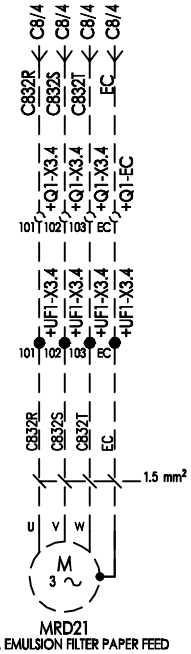
P	10KW
V	400V
I	15A
Freq.	50Hz

OPTION PRESENT



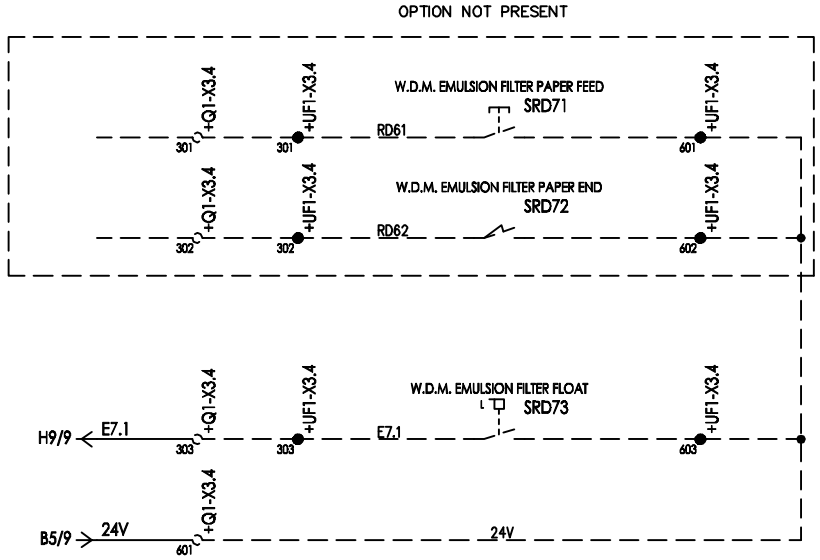
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A W.D.M. EMULSION UNIT	080025	= LI	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet RC
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow RD





P	0.12KW
V	400V
I	0.58A
Freq.	50Hz

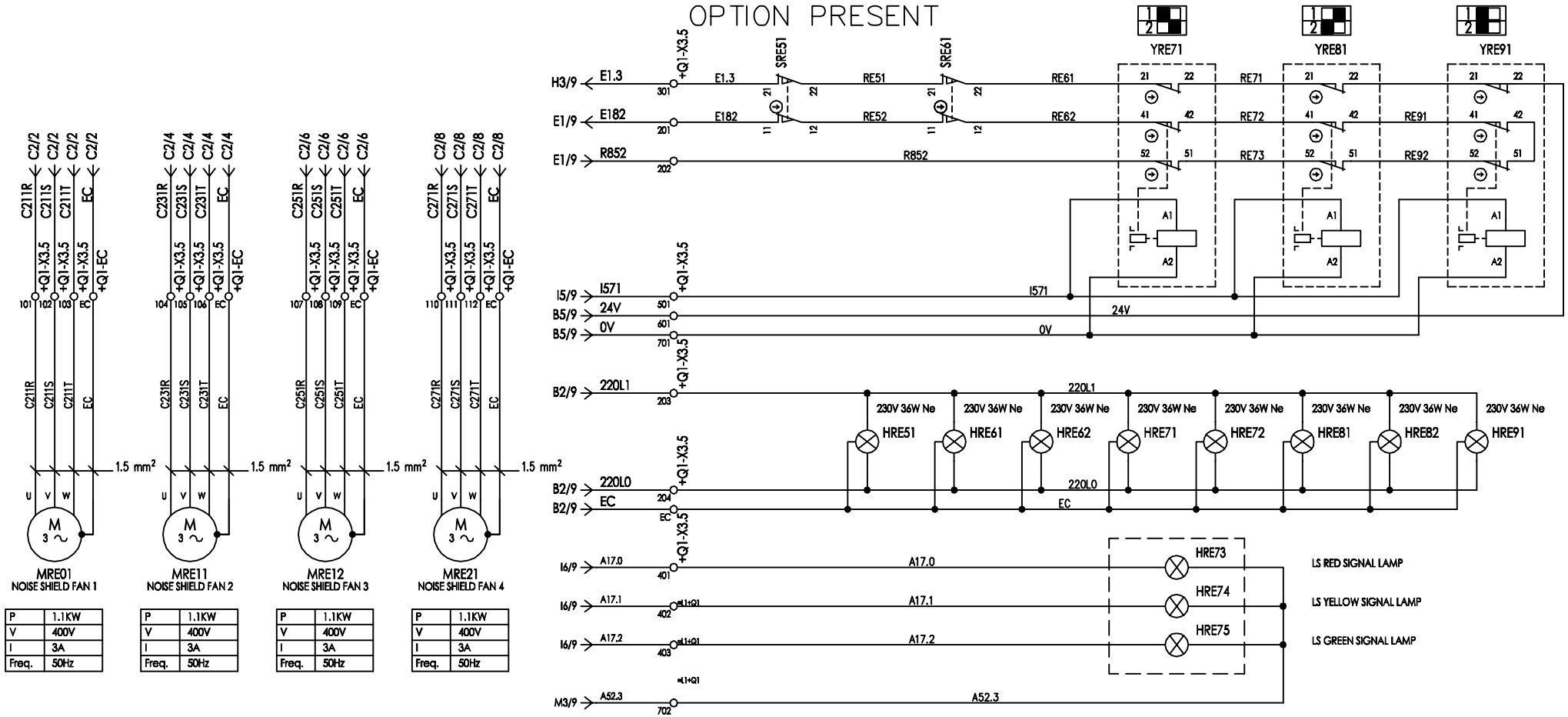
OPTION NOT PRESENT



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A EMULSION FILTER	080025	= LI	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet RD
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow RE

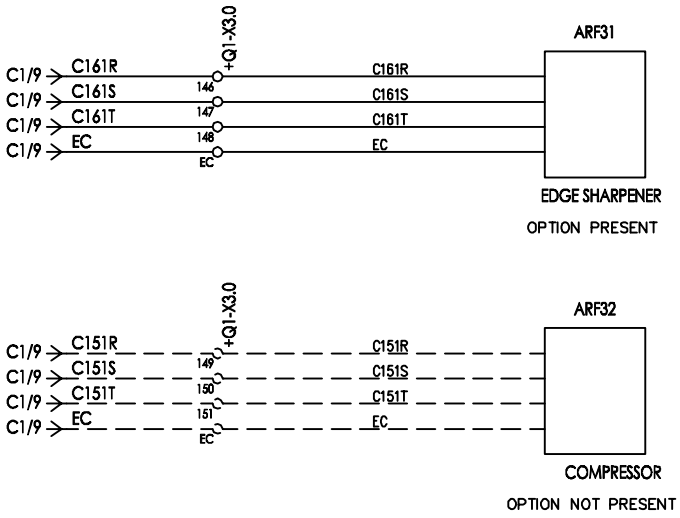
DIRECT CONNECTION TO ELECTRICAL CABINET +Q1-X3.5

OPTION PRESENT

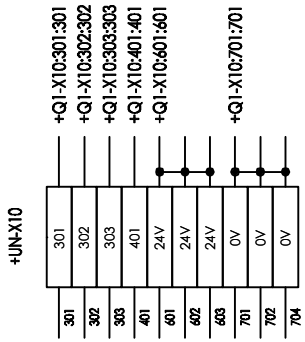


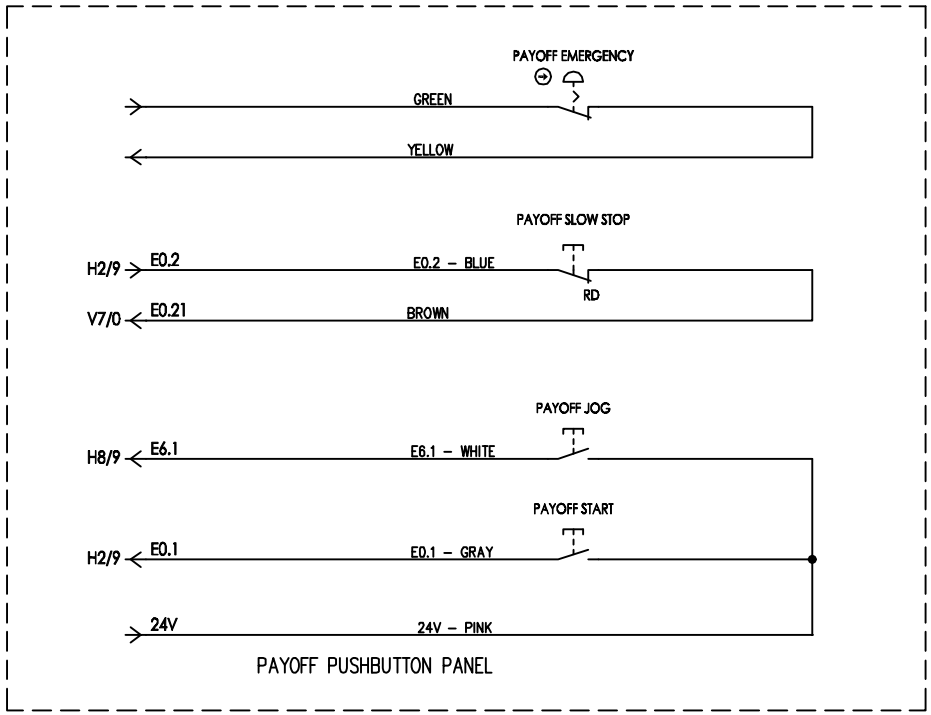
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			W.D.M. NOISE SHIELD	
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout

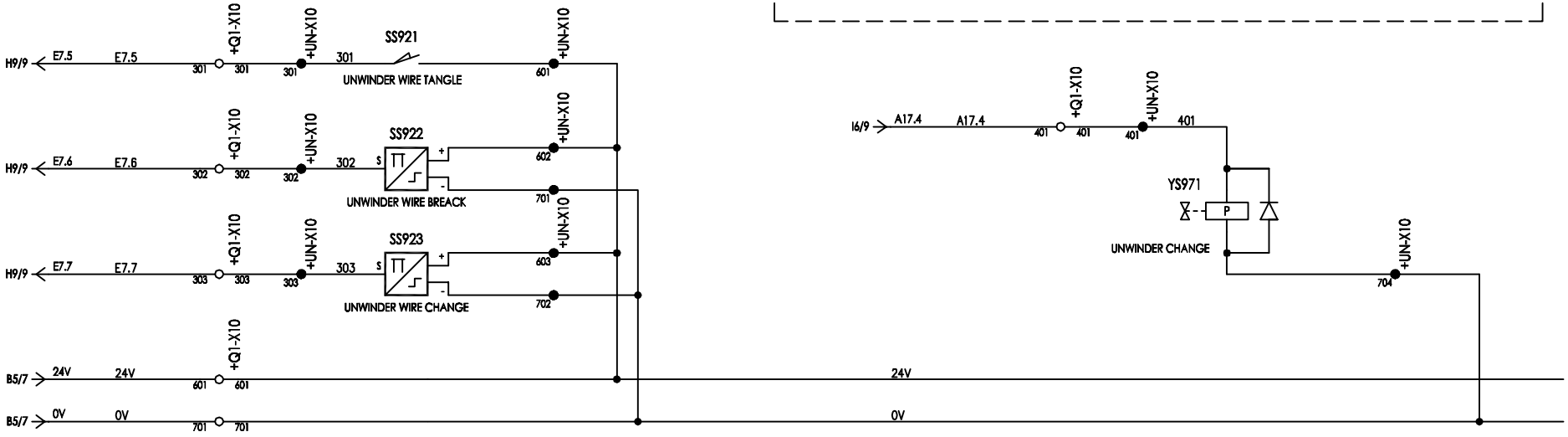
		=	L1	Scale	1:1 mm
		+	TR	Tot	197
No	2007R016	SAMP		Sheet	RE
				Follow	RF



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	LI	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			DEVICES SUPLLY		+	TR	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	RF
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	$9



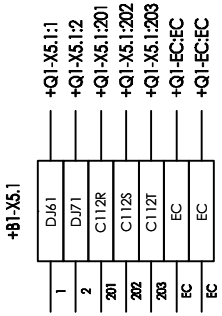




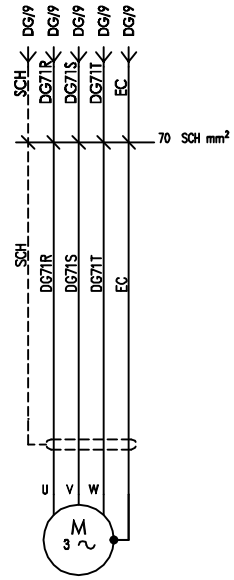
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			UNWINDER		+ TR	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet S9
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow T1

SPOOLER A

+B1−X5.1



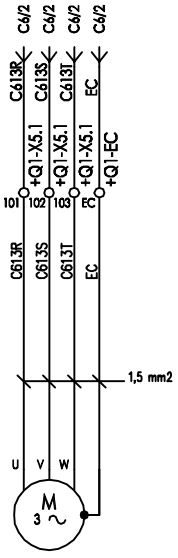
DIRECT CONNECTION TO =L1+Q1−UD311



MT111
MOTORE AC BOBINATORE

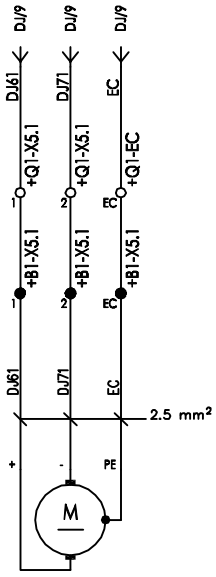
MOTOR:	ST:CMS0000903
Varm:	370V
Iarm:	143A
Vecc	—
Iecc:	—
RPM CT:	1800
RPM CP:	—
Feedback:	LD 1024PPR
NOTE:	72 kW

DIRECT CONNECTION TO ELECTRICAL CABINET



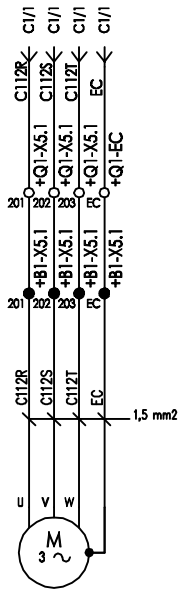
MT141
VENTILATORE MOTORE AC

P	1,32KW
V	400V
I	2,9A
Freq.	50Hz



MT161
TRAVERSE MECHANISME MOTOR

MOTOR:	SPC:503000423
Varm:	200V
Iarm:	2,7A
Vecc	—
Iecc:	—
RPM CT:	—
RPM CP:	—
Feedback:	—
NOTE:	—



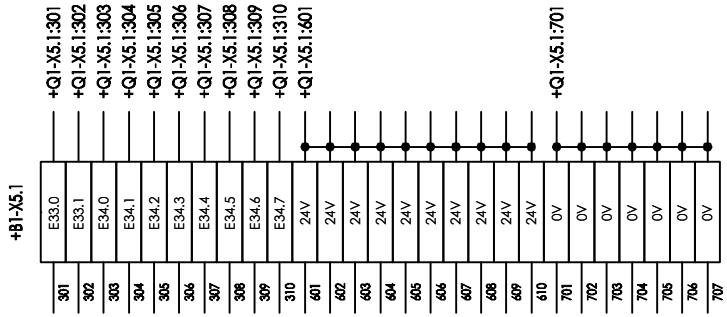
MT181
MICROVIBRATOR CROP-END

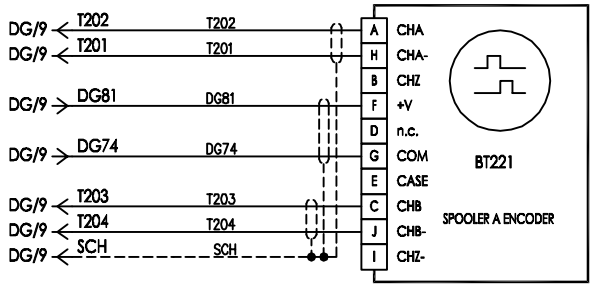
P	35W
V	400V
I	0,15A
Freq.	50Hz

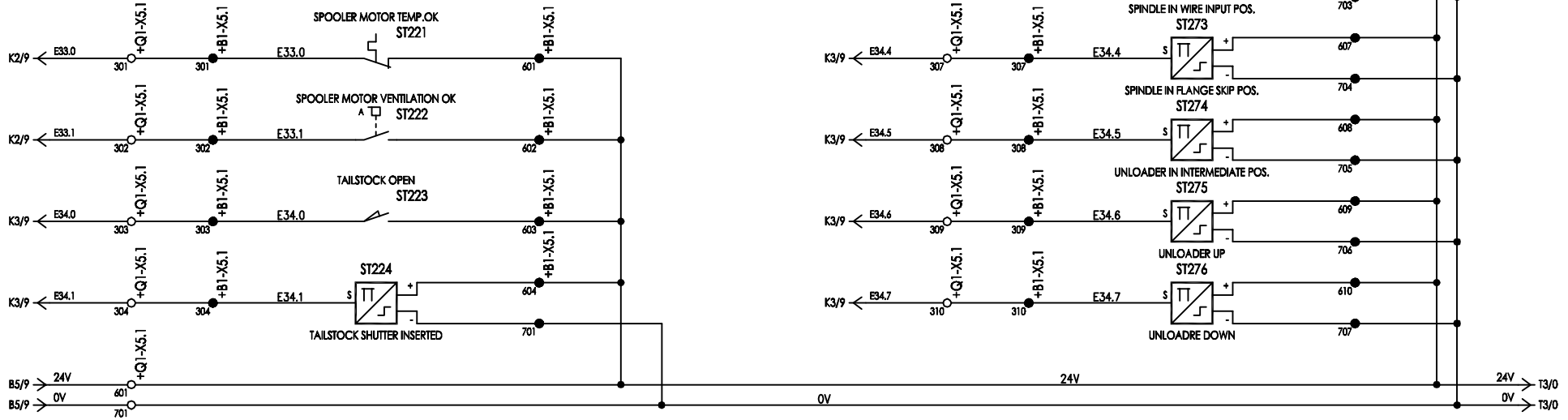
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A MOTORS		+ B1
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	

Scale 1:1 mm | Tot 197 | Sheet T1 | Follow T2

SPOOLER A

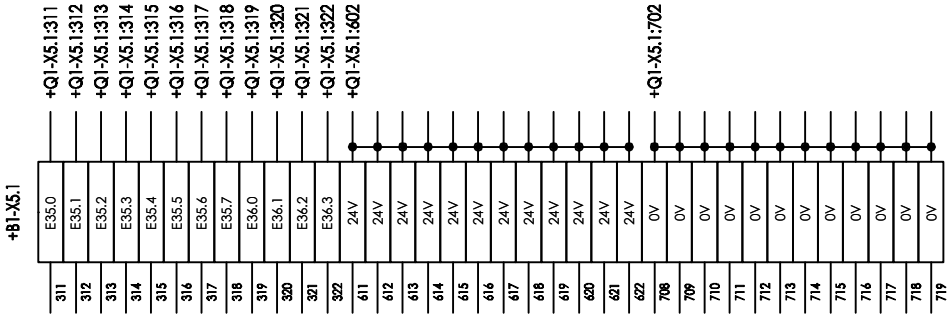


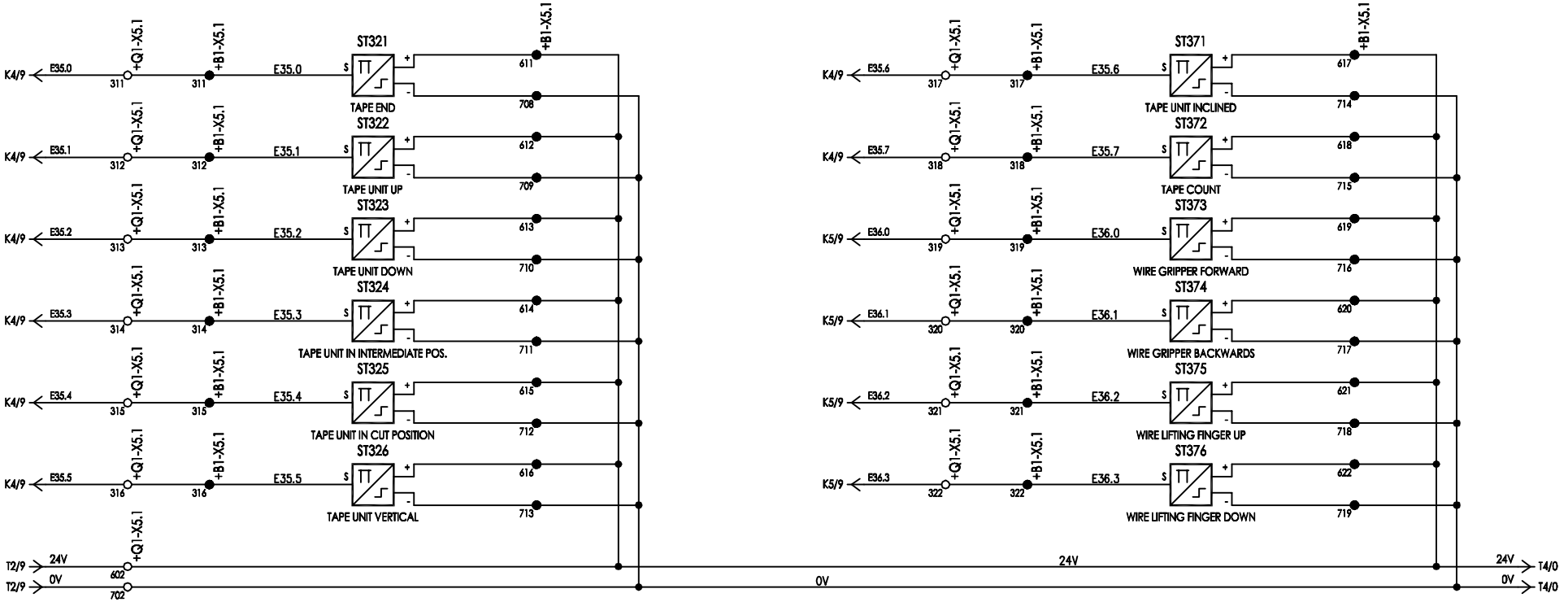




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A SENSORS		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet T2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow T3

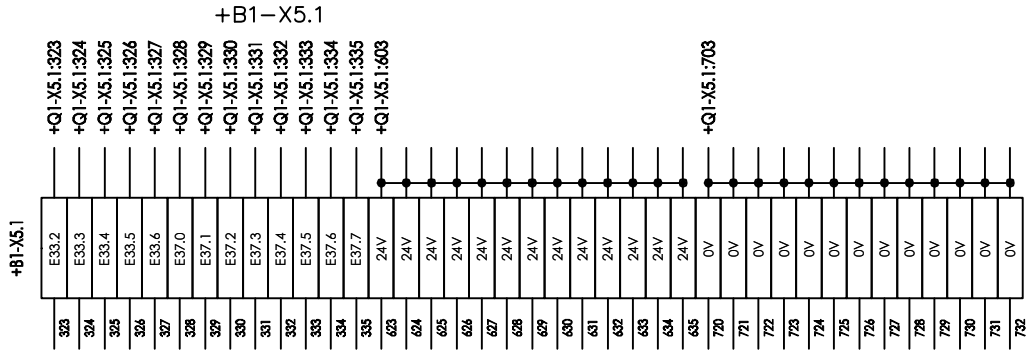
SPOOLER A

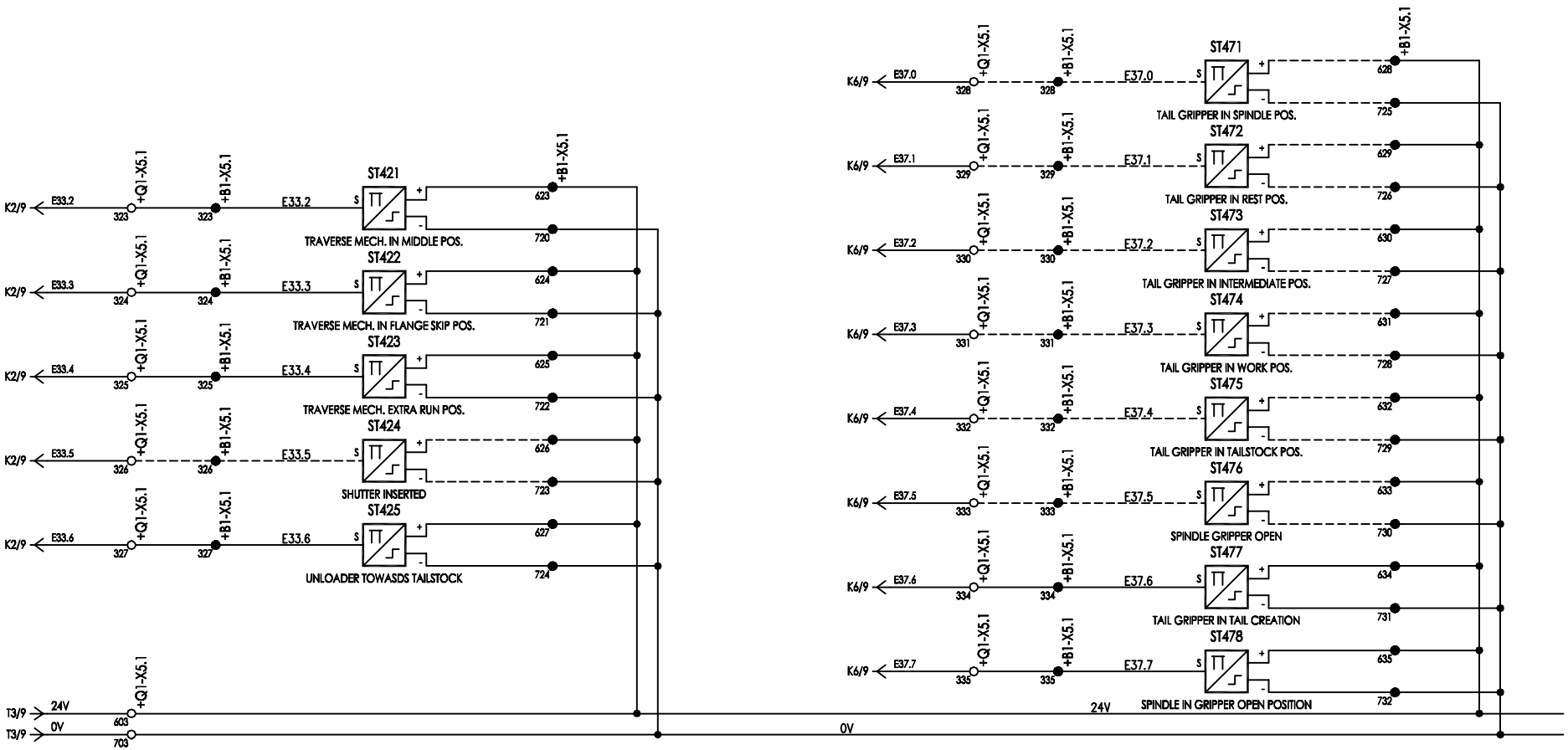




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A SENSORS		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet T3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow T4

SPOOLER A

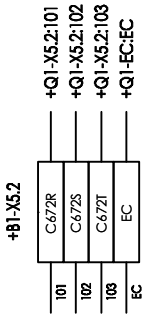


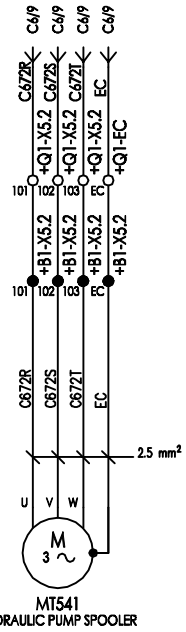


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A SENSORS		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet T4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow T5

SPOOLER A

+B1−X5.2



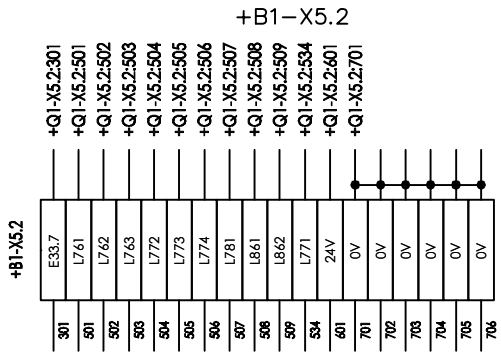


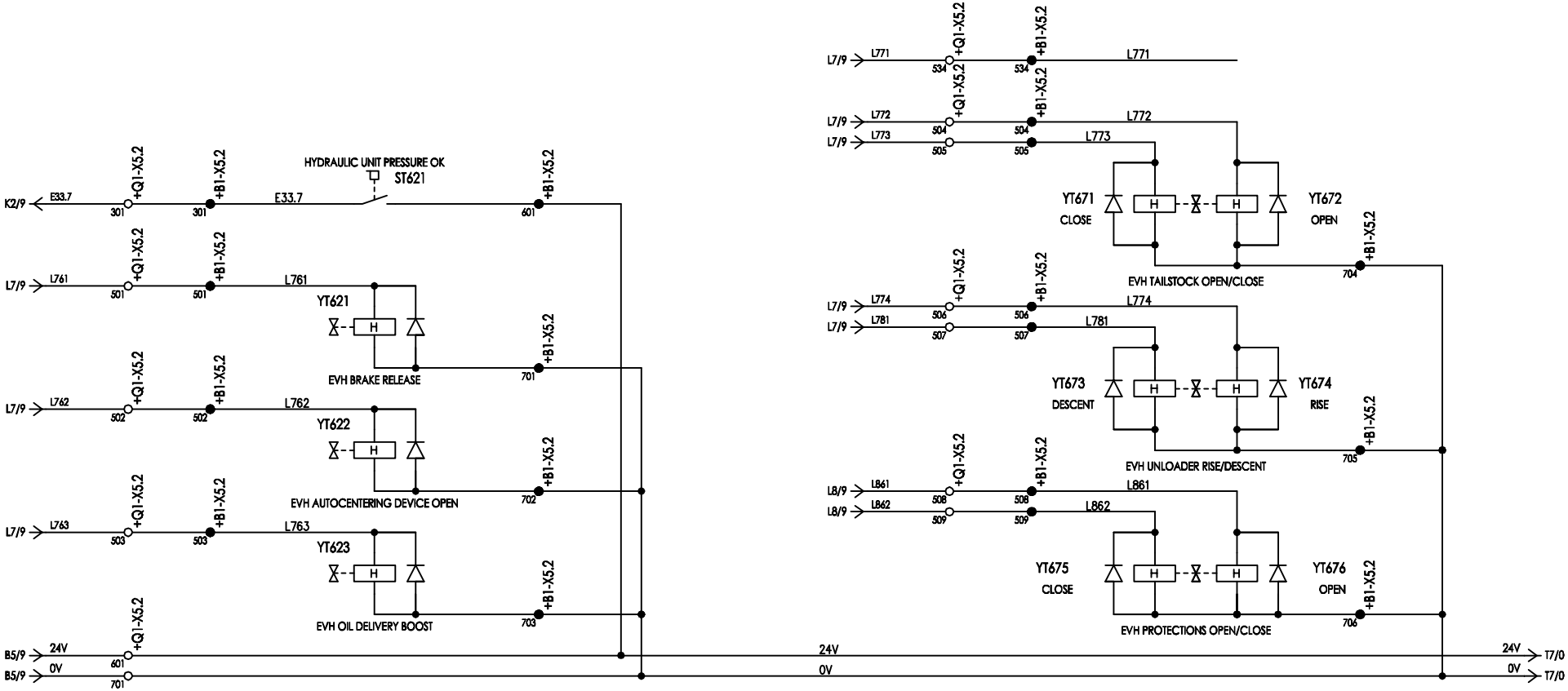
MT541
HYDRAULIC PUMP SPOOLER

P	3KW
V	400V
I	7,5A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A HYDRAULIC UNIT PUMP		+	B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet T5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow T6

SPOOLER A

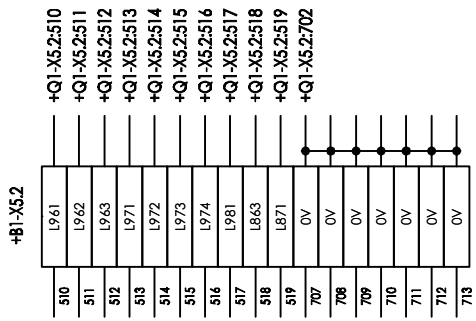


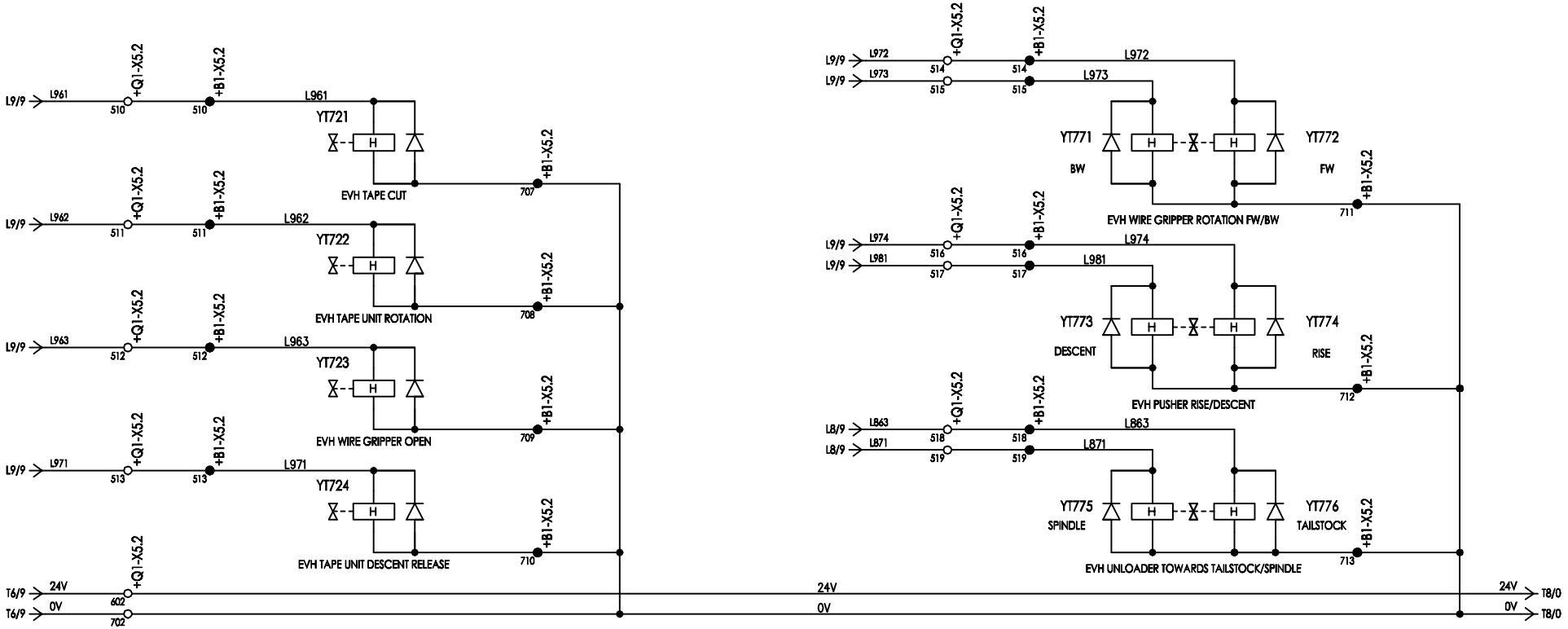


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A HYDRAULIC UNIT		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet T6
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow T7

+B1−X5.2

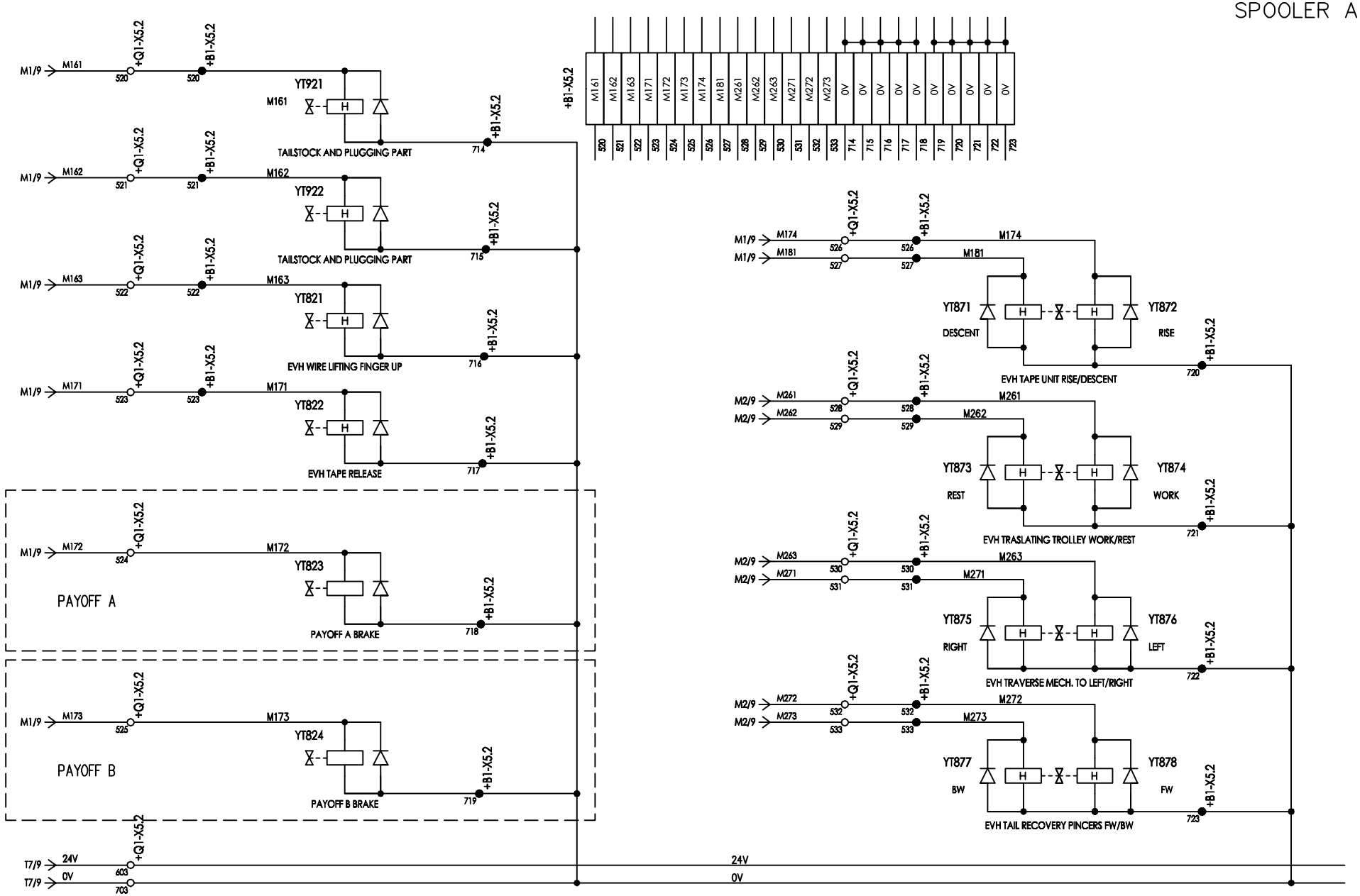
SPOOLER A





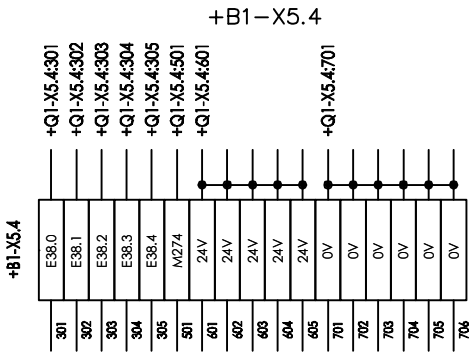
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A SPOOLER A HYDRAULIC UNIT	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet T7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow T8

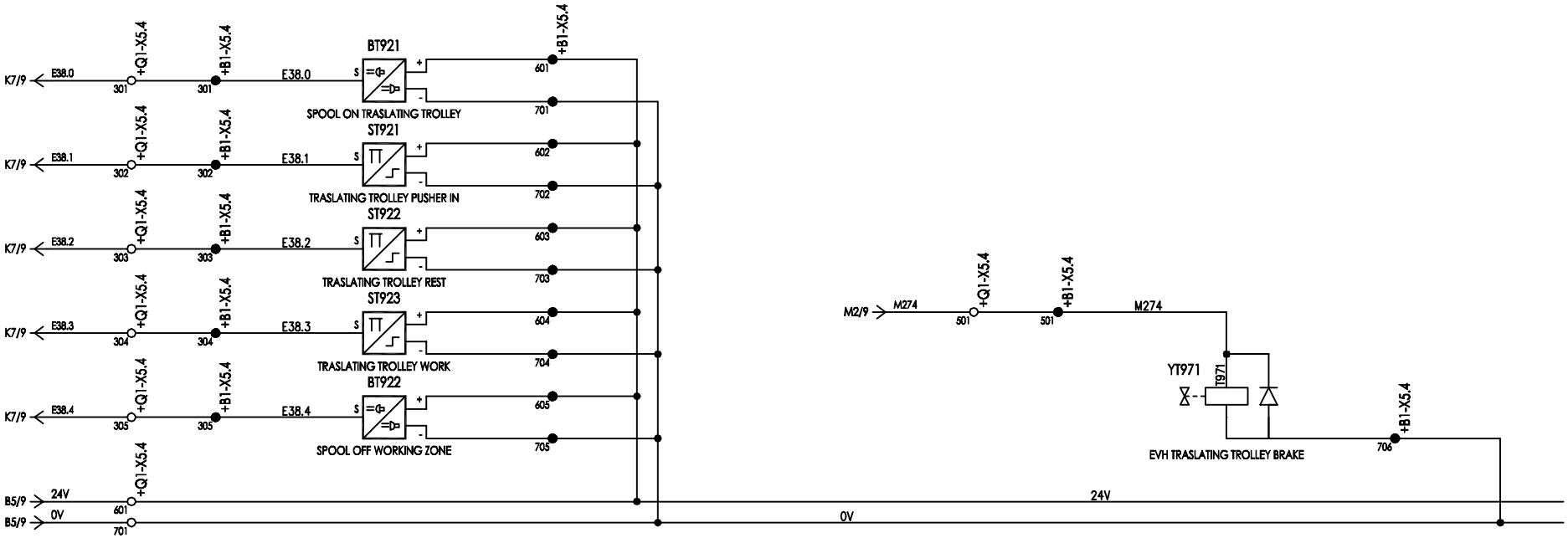
SPOOLER A



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.		SPOOLER A HYDRAULIC UNIT		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet T8
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow T9

SPOOLER A

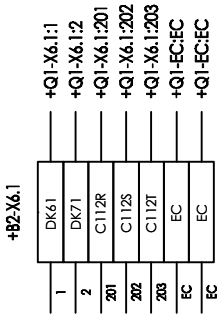




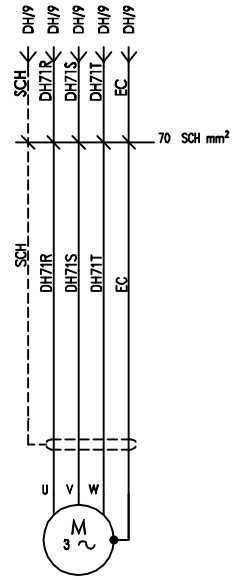
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A TRASLATING TROLLEY		+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet T9
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow U1

SPOOLER B

+B2–X6.1



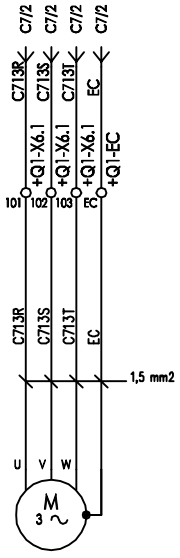
DIRECT CONNECTION TO =L1+Q1–UD311



MU111
MOTORE AC BOBINATORE

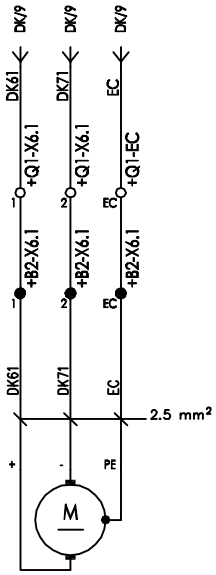
MOTOR:	ST:CMS0000903
Varm:	370V
Iarm:	143A
Vecc	—
Iecc:	—
RPM CT:	1800
RPM CP:	—
Feedback:	LD 1024PPR
NOTE:	72 kW

DIRECT CONNECTION TO ELECTRICAL CABINET



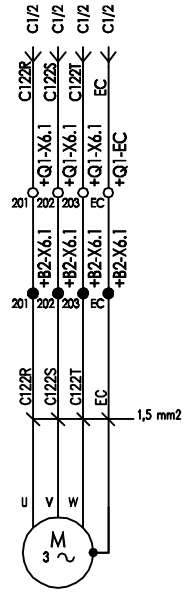
MU141
VENTILATORE MOTORE AC

P	1,32KW
V	400V
I	2,9A
Freq.	50Hz



MU161
TRAVERSE MECHANISME MOTOR

MOTOR:	SPC:503000423
Varm:	200V
Iarm:	2,7A
Vecc	—
Iecc:	—
RPM CT:	—
RPM CP:	—
Feedback:	—
NOTE:	—



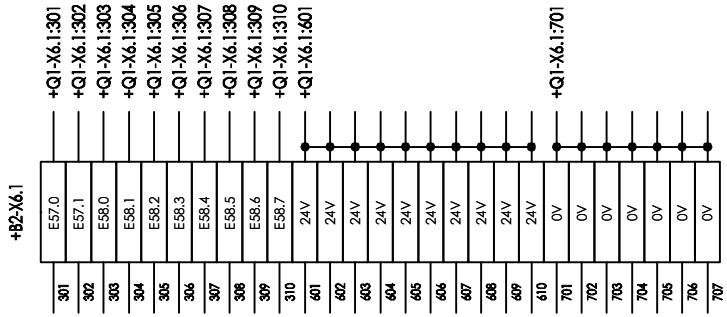
MU181
MICROVIBRATOR CROP-END

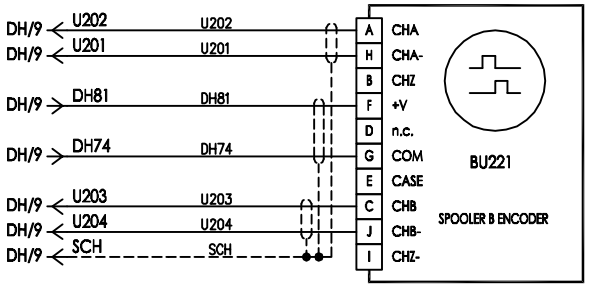
P	35W
V	400V
I	0,15A
Freq.	50Hz

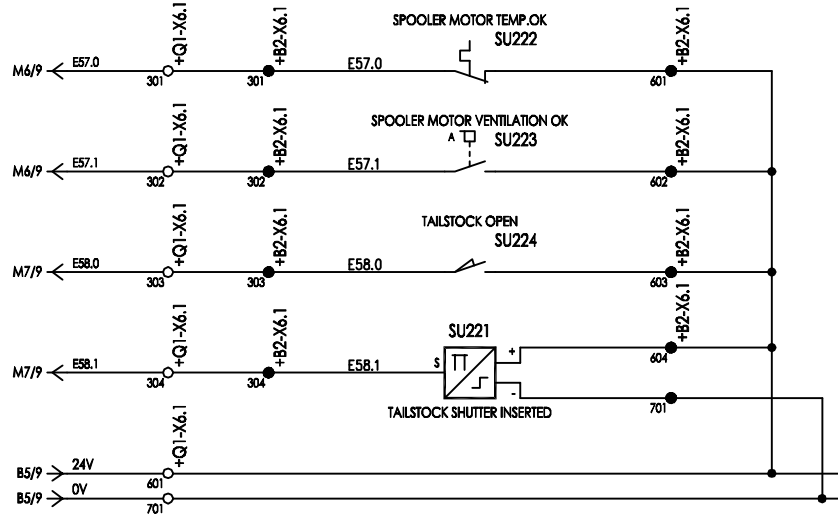
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B MOTORS		+ B2
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	

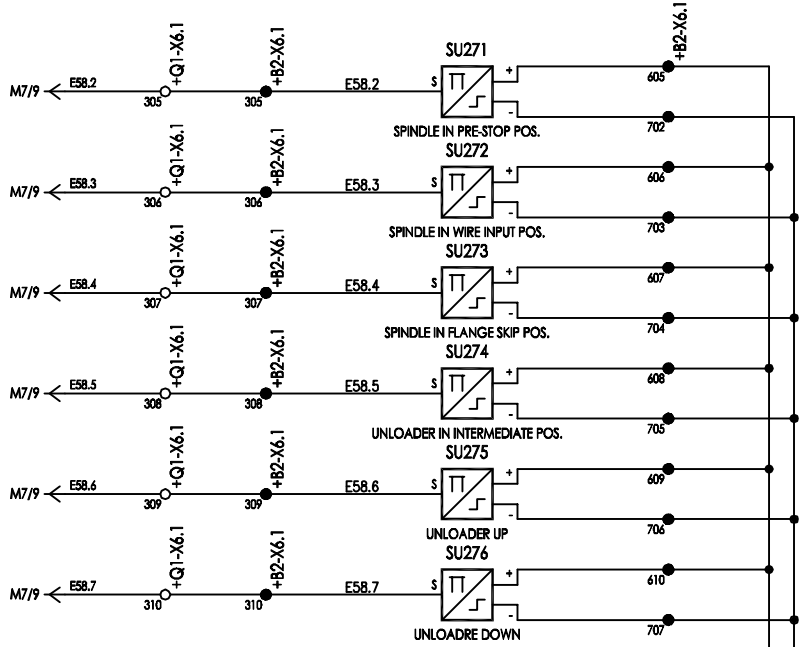
Scale 1:1 mm
Tot 197
Sheet U1
Follow U2

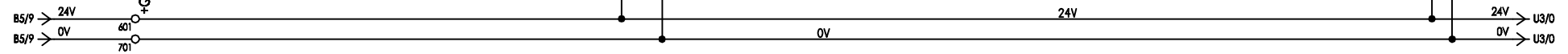
SPOOLER B







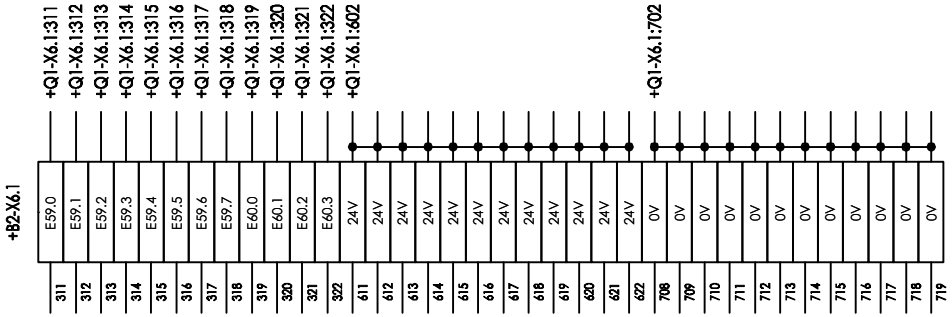


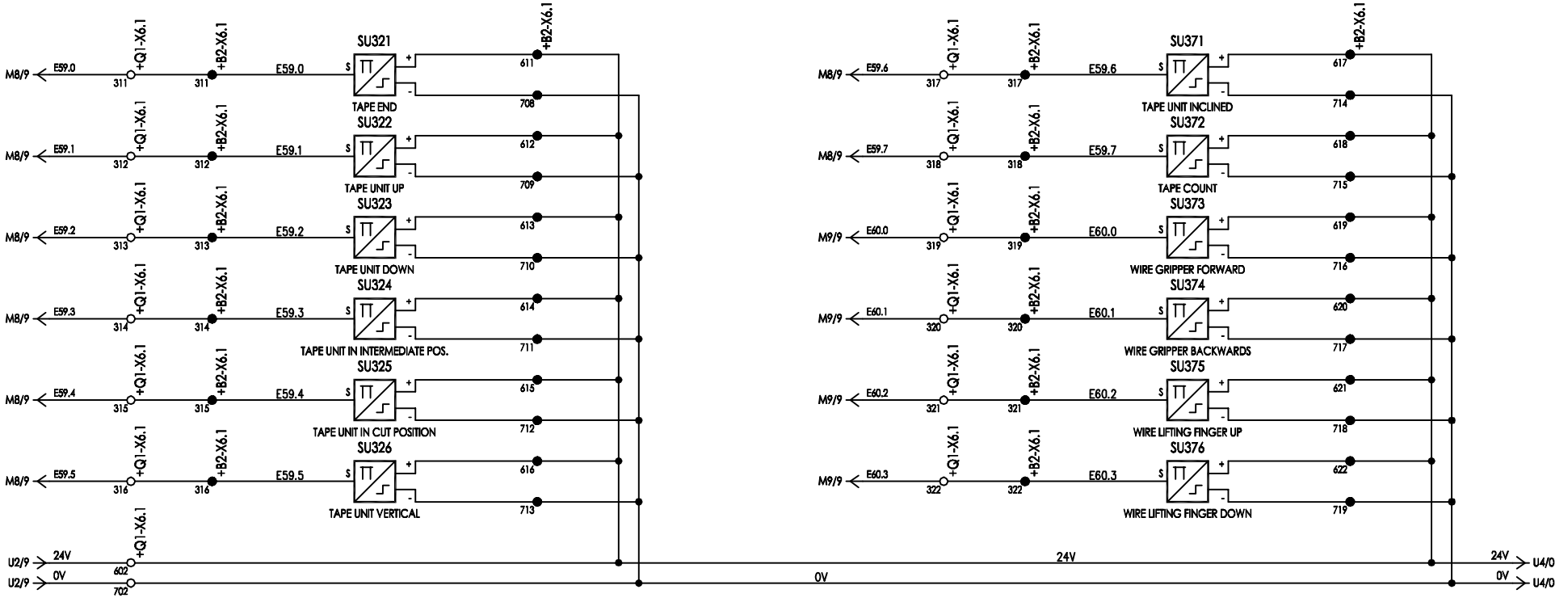


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07	SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.		SPOOLER B SENSORS		+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO			File: 080025SH.DWG	No 2007R016 SAMP	Sheet U2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow U3

SPOOLER B

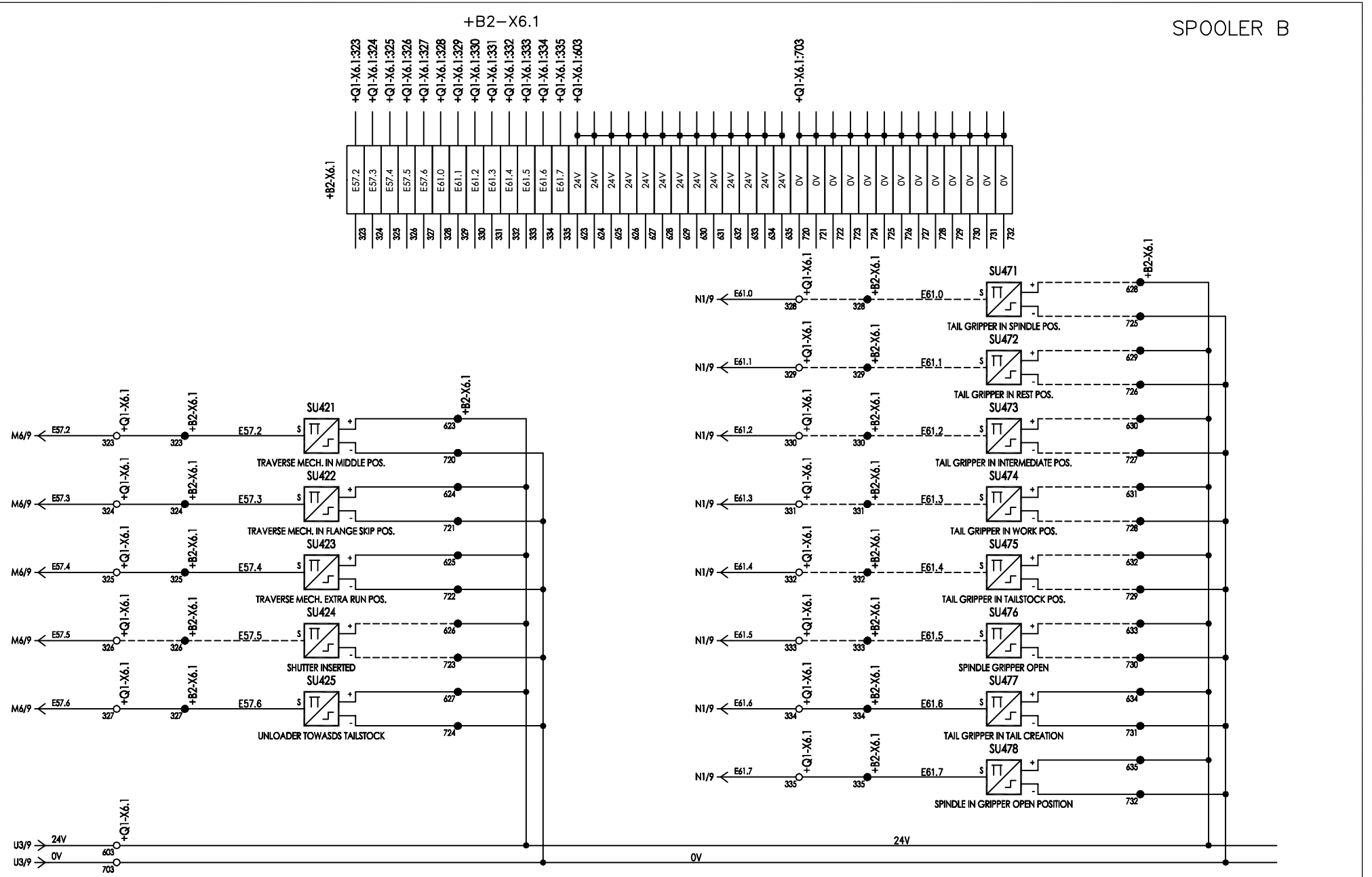
+B2−X6.1





3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B SENSORS		+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet U3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow U4

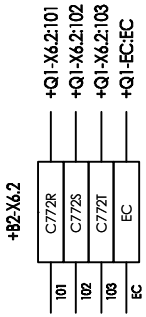
SPOOLER B

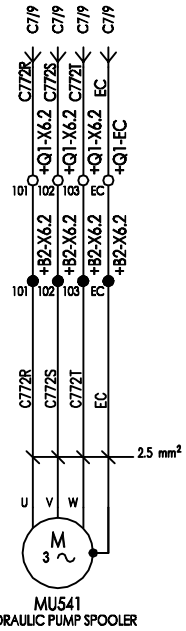


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B SENSORS		+	B2	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	U4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	U5

SPOOLER B

+B2−X6.2



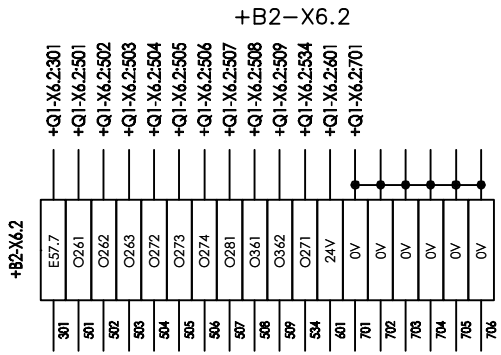


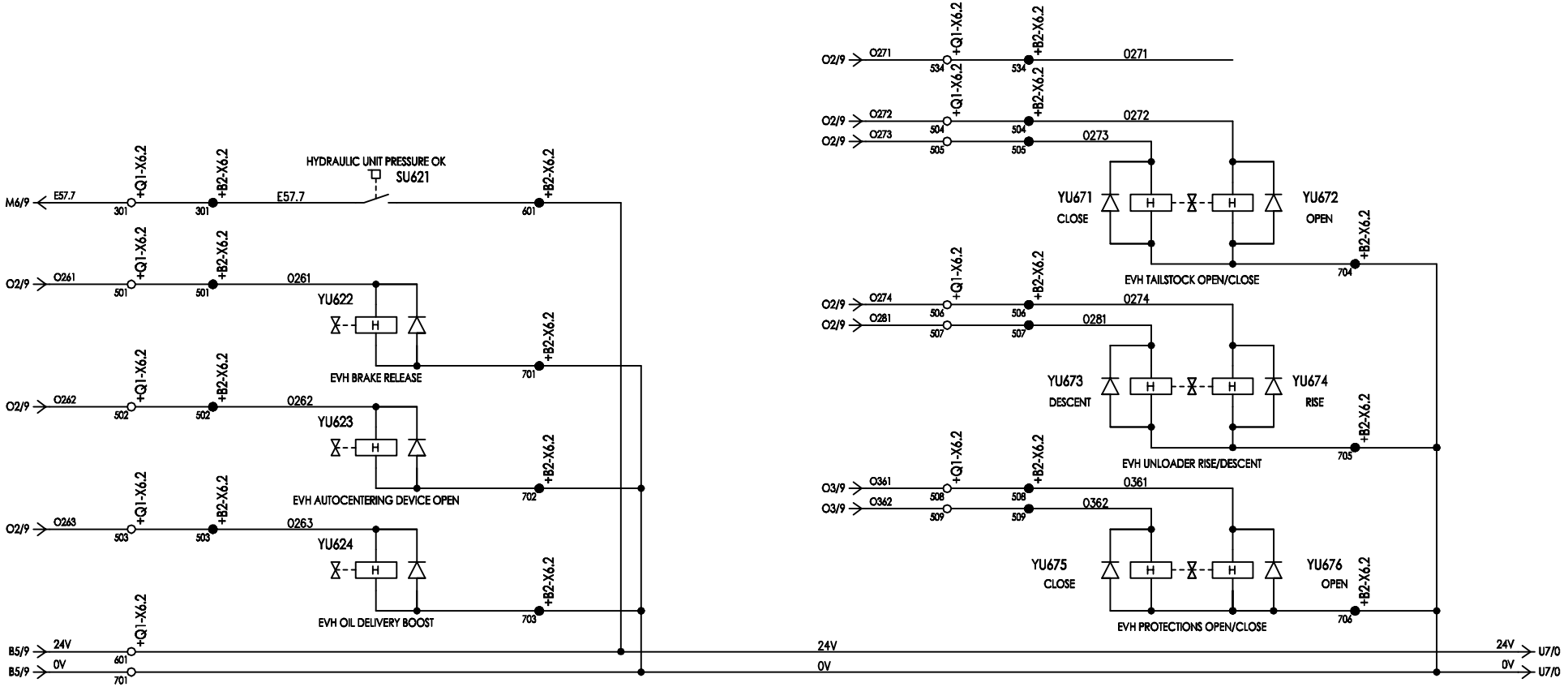
MU541
HYDRAULIC PUMP SPOOLER

P	3KW
V	400V
I	7,5A
Freq.	50Hz

3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B HYDRAULIC UNIT MOTORS		+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet U5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow U6

SPOOLER B

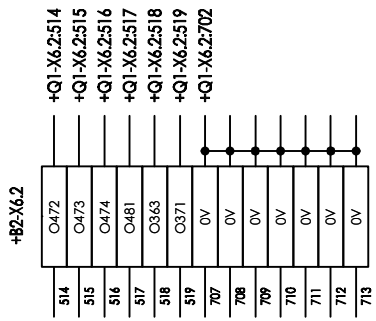


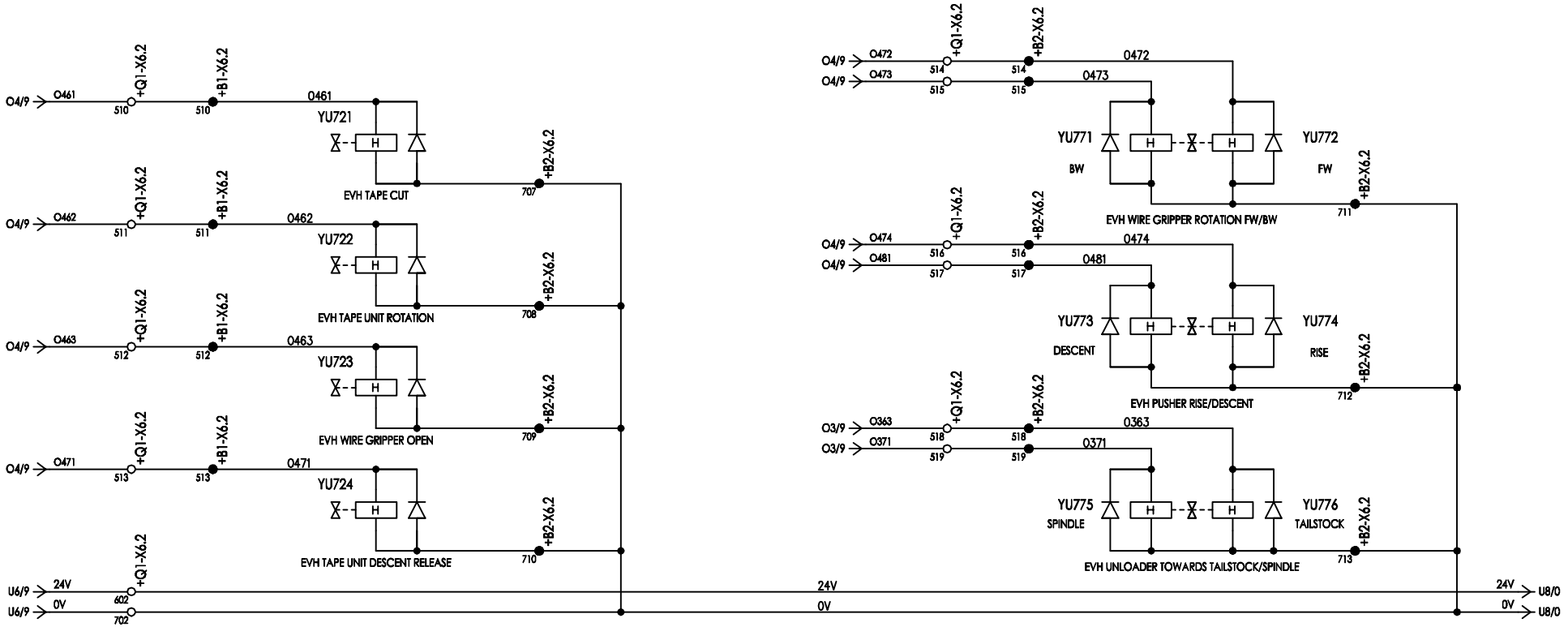


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B HYDRAULIC UNIT		+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet U6
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow U7

+B2−X6.2

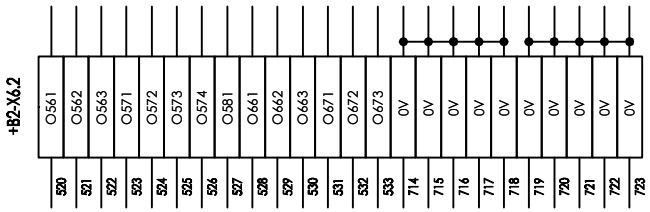
SPOOLER B

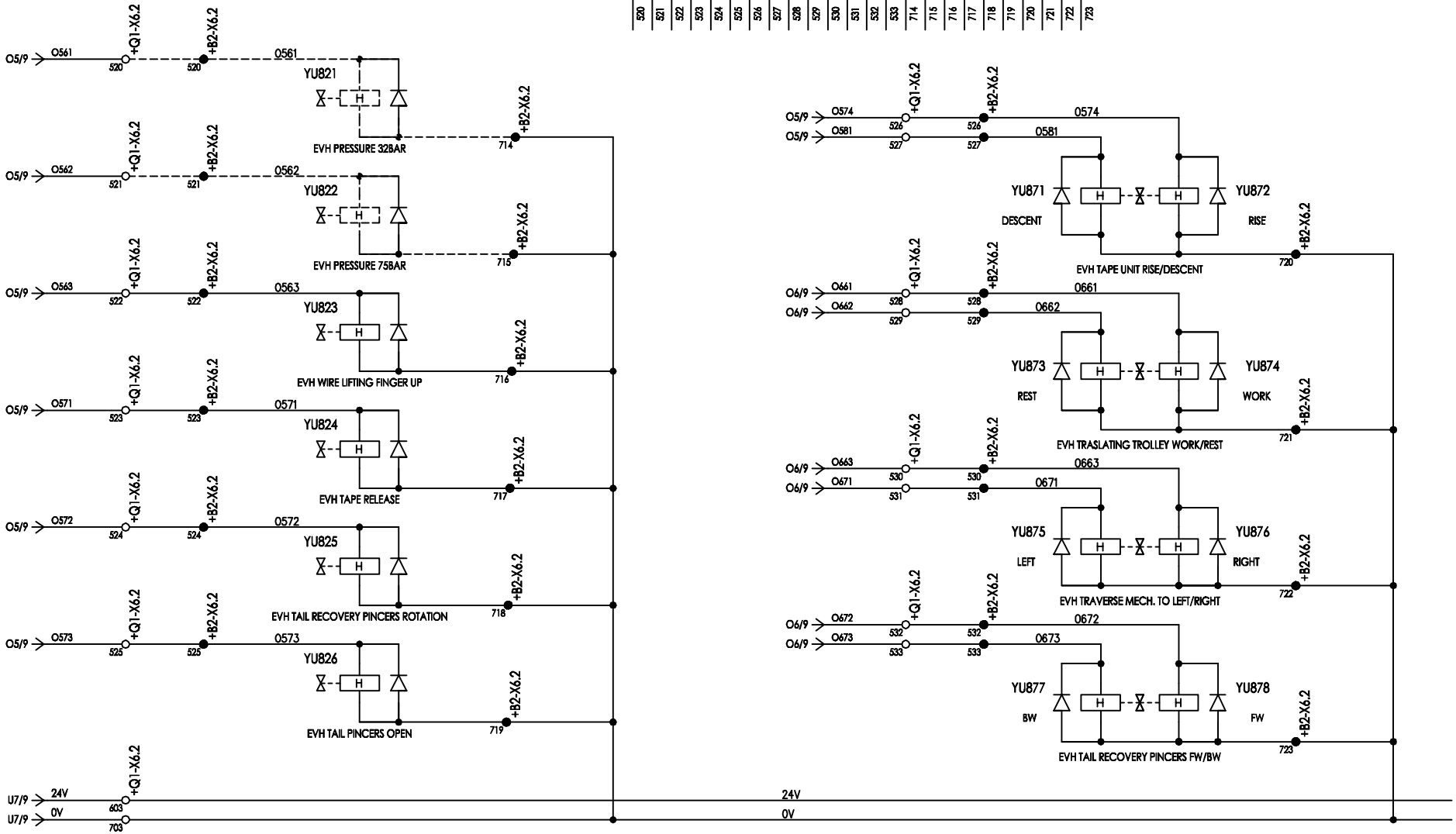




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B HYDRAULIC UNIT		+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet U7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow U8

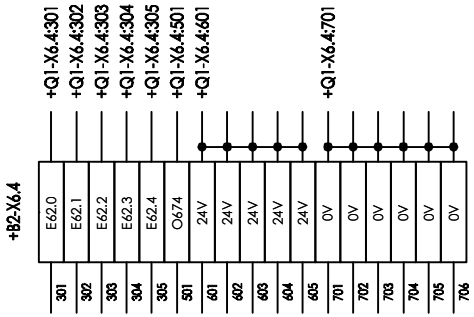
SPOOLER B

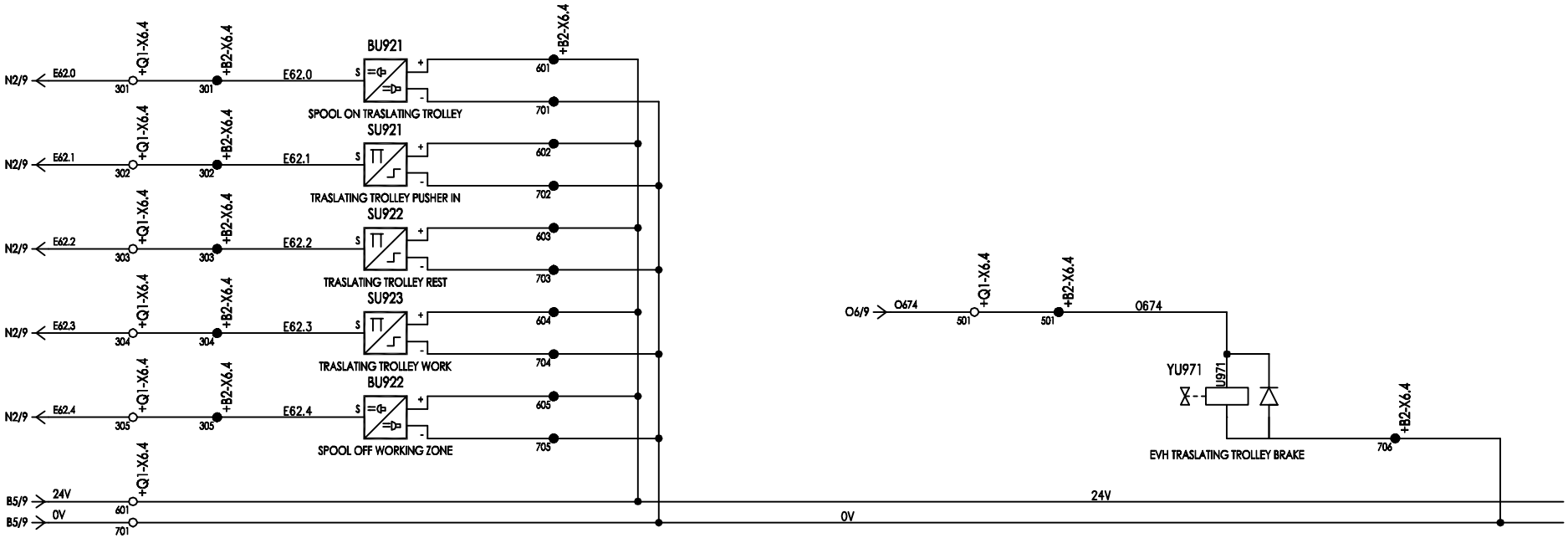




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A SPOOLER B HYDRAULIC UNIT	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet U8
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow U9

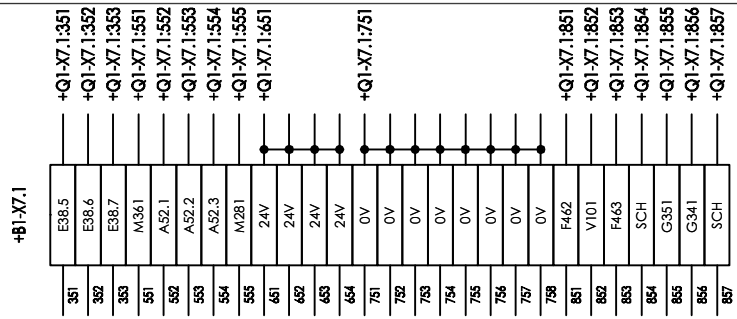
SPOOLER B

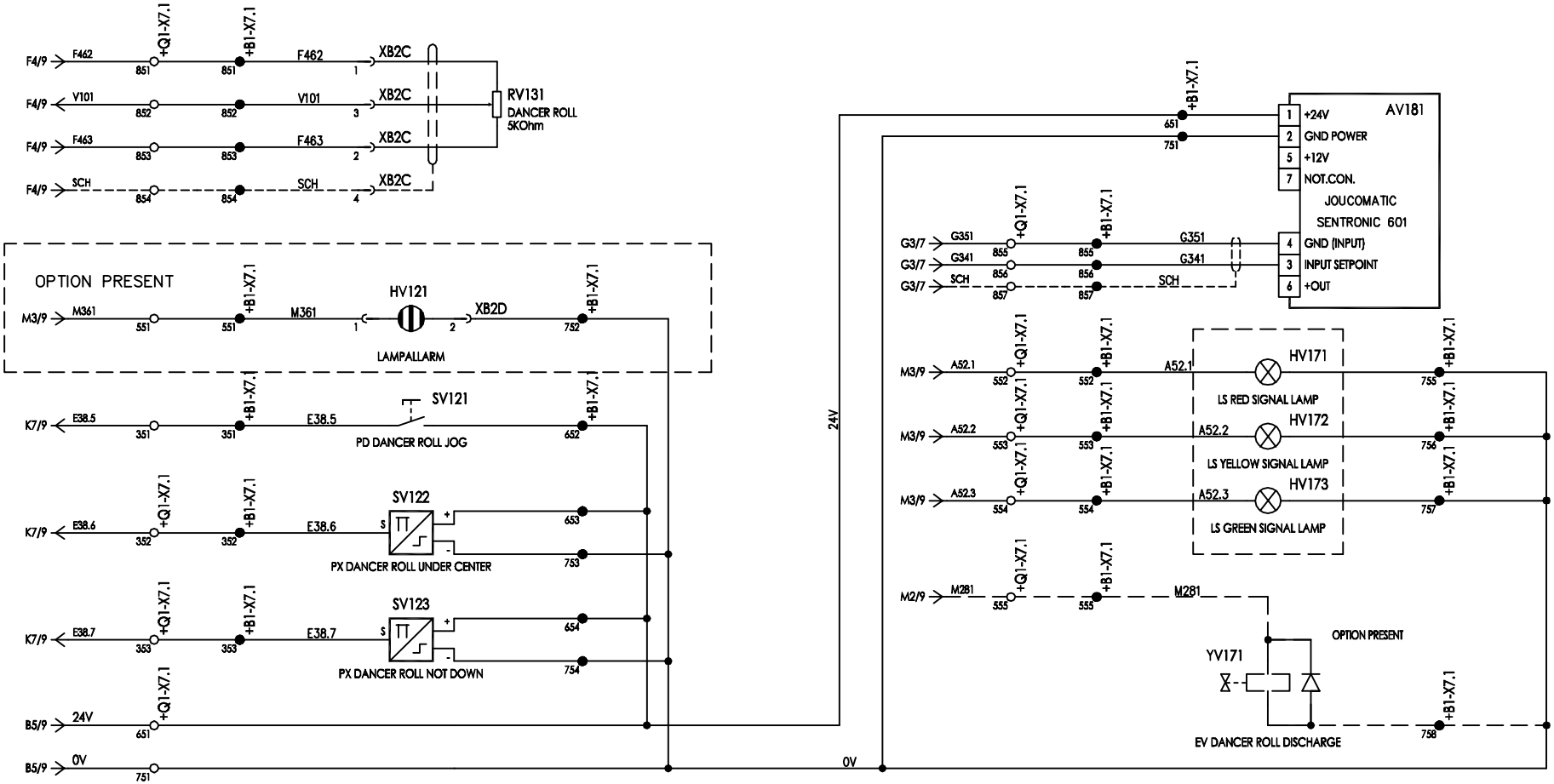




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B TRASLATING TROLLEY		+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet U9
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow V1

SPOOLER A

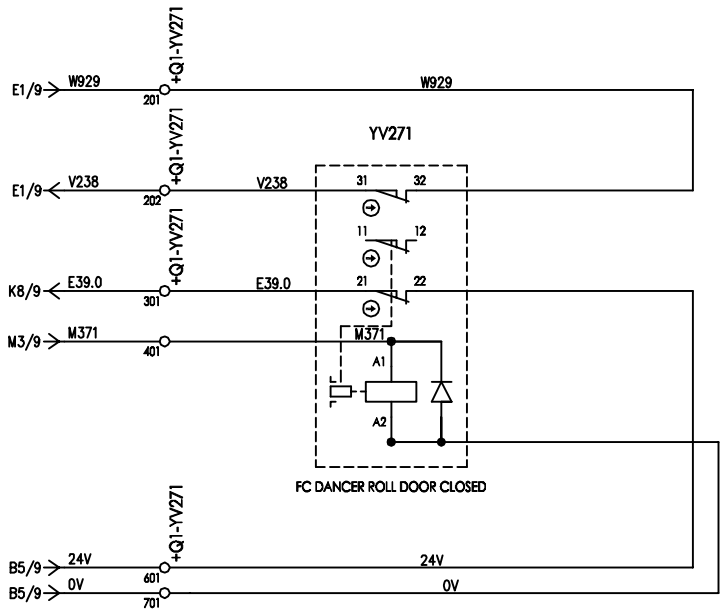




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A SPOOLER A DANCER ROLL	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ B1	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet V1
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow V2

SPOOLER A

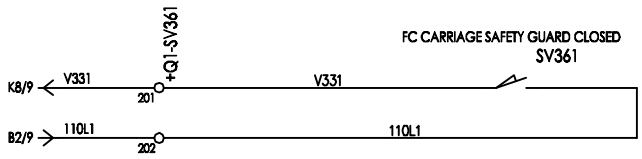
DIRECT CONNECTION TO ELECTRICAL CABINET



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A DANCER DOOR		+	B1	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	V2
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	V3

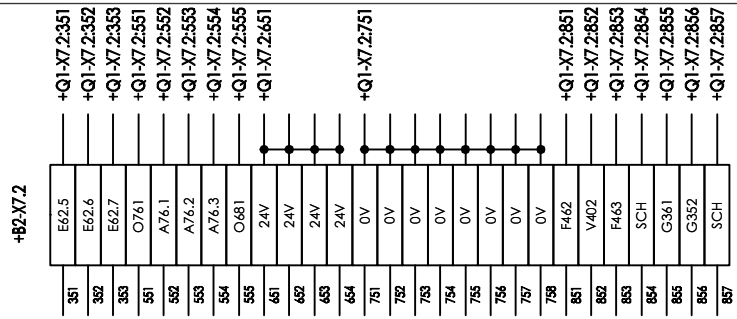
SPOOLER A

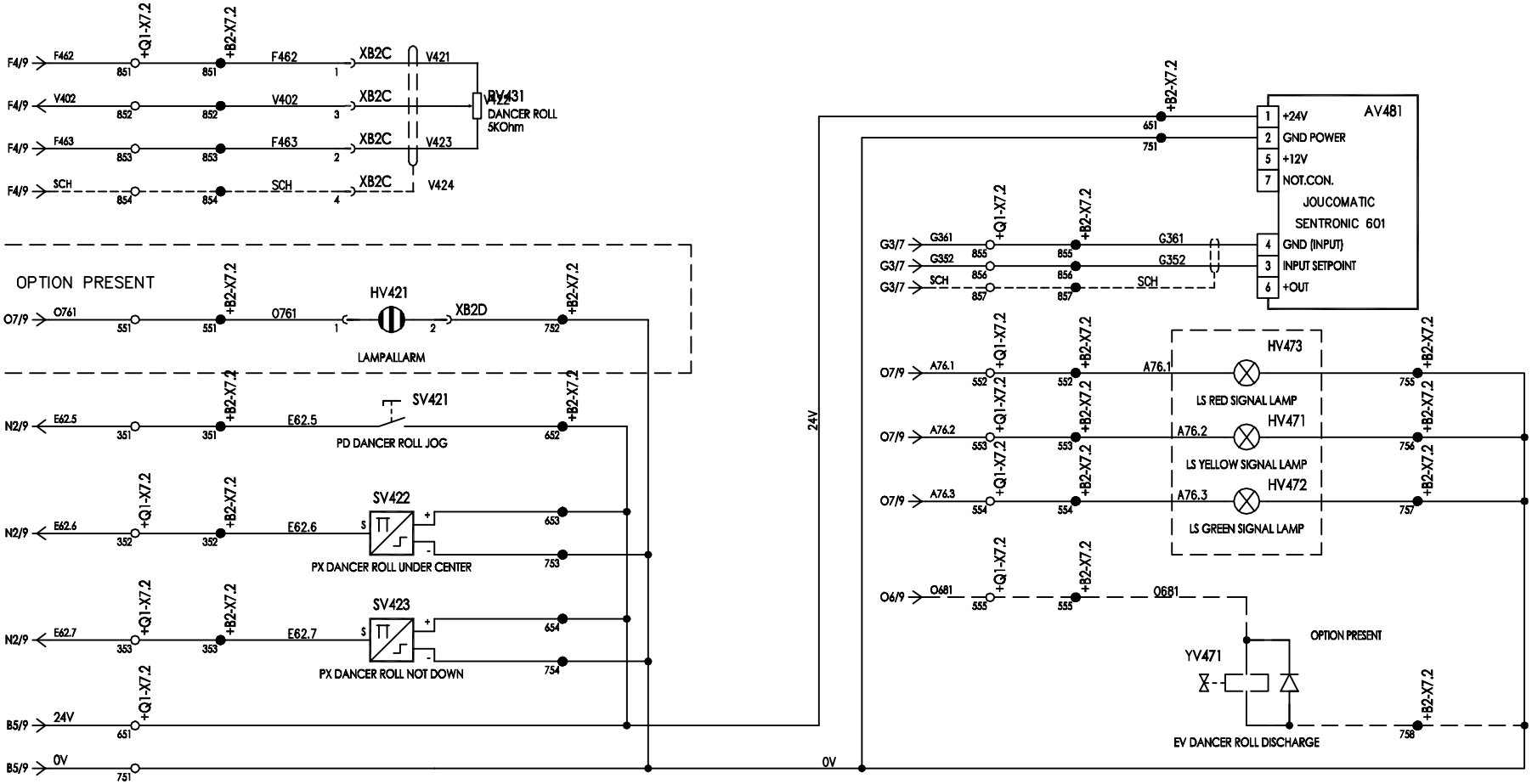
DIRECT CONNECTION TO ELECTRICAL CABINET



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER A CARRIAGE SAFETY GUARD		+	B1	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	V3
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	V4

SPOOLER B

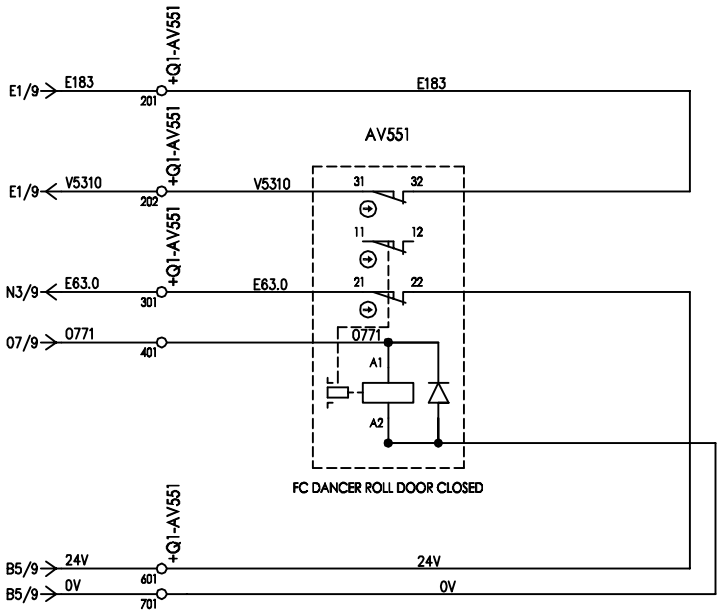




3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A SPOOLER B DANCER ROLL	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.					+ B2	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO						Sheet V4
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout	File: 080025SH.DWG	No 2007R016 SAMP	Follow V5

SPOOLER B

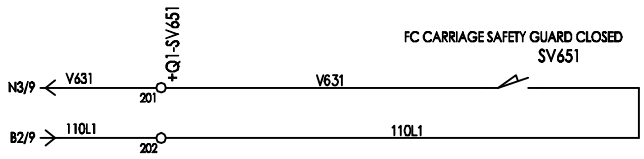
DIRECT CONNECTION TO ELECTRICAL CABINET



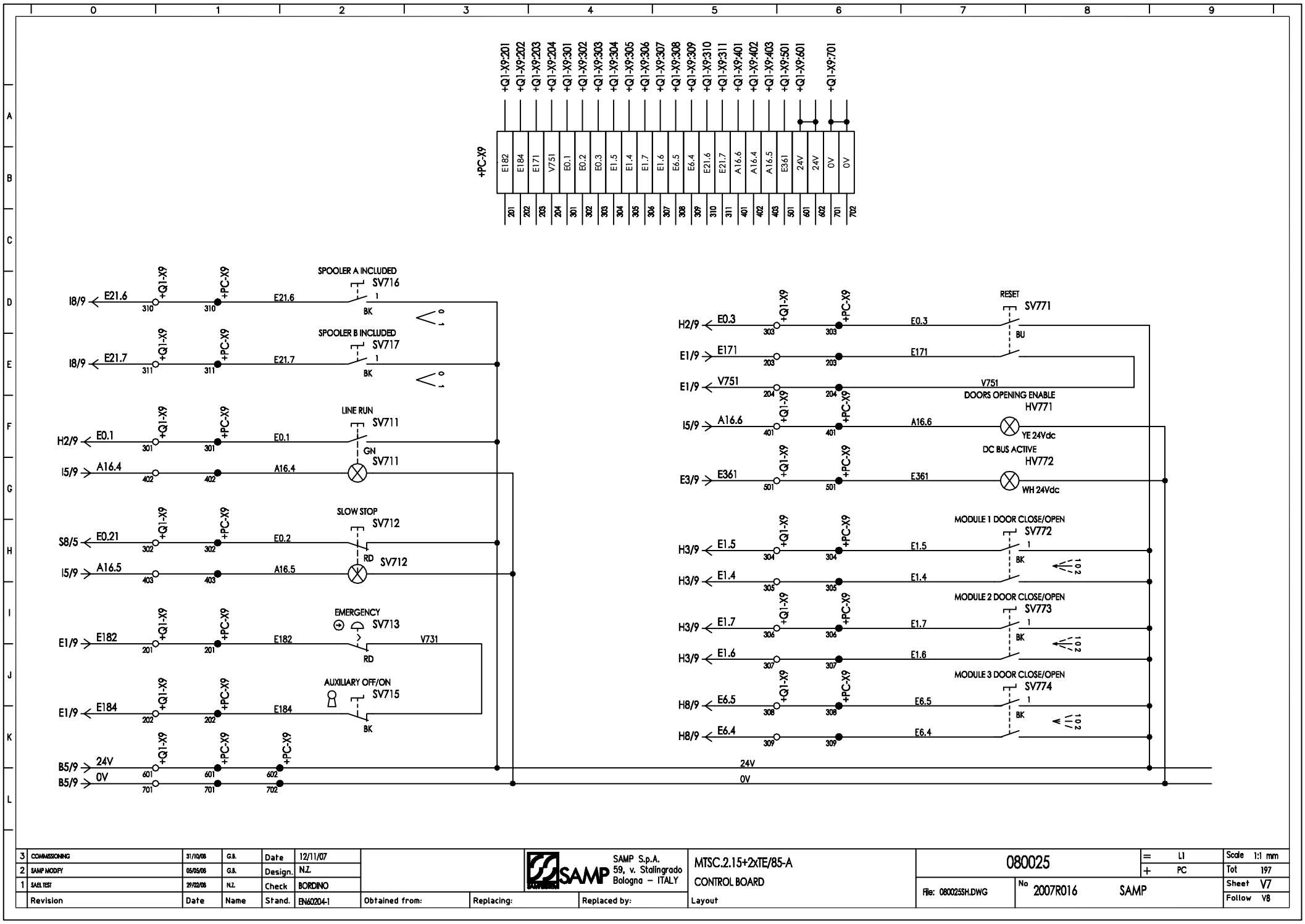
3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B DANCER DOOR		+	B2	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	V5
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	V6

SPOOLER B

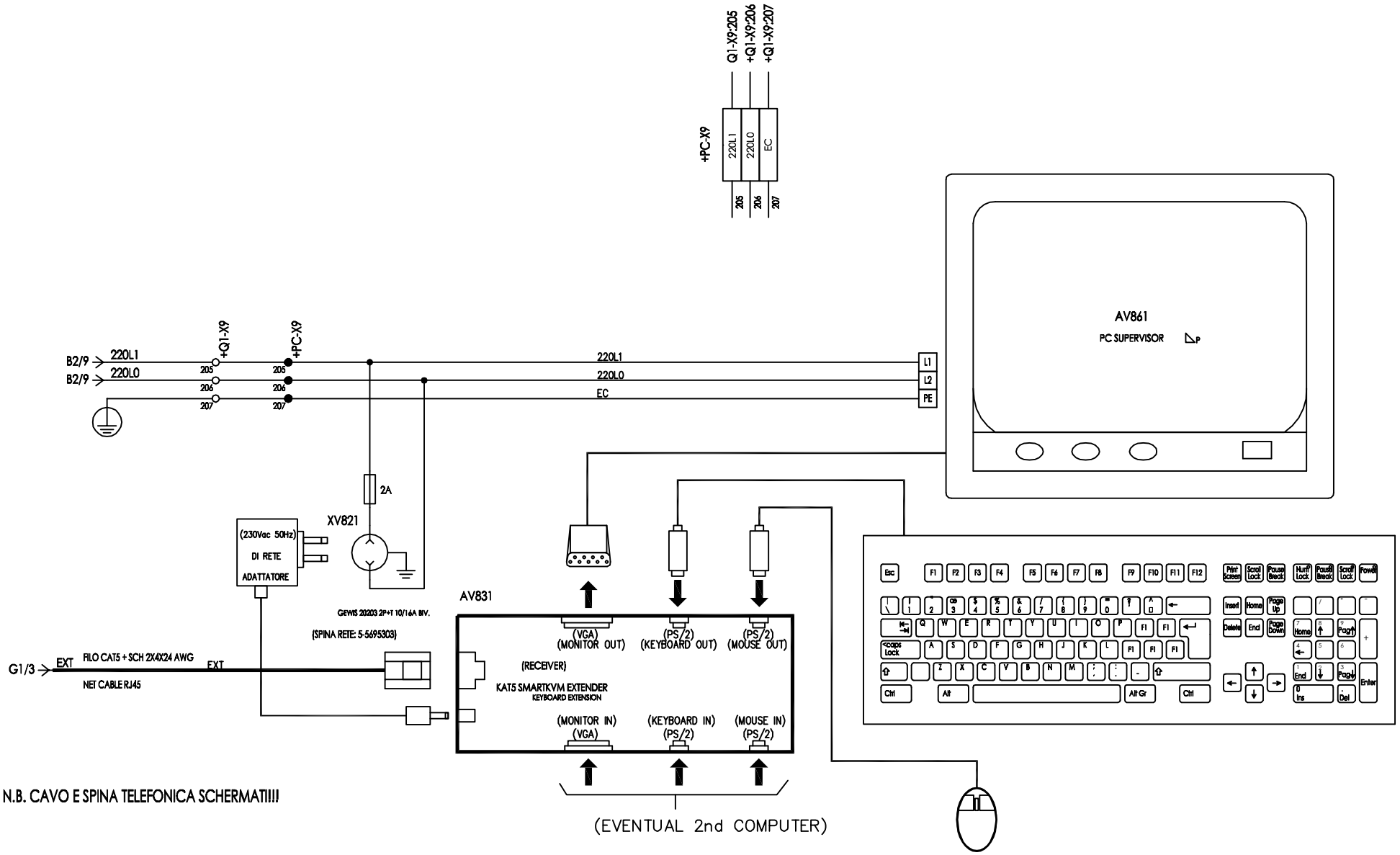
DIRECT CONNECTION TO ELECTRICAL CABINET



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	L1	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			SPOOLER B CARRIAGE SAFETY GUARD		+	B2	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	V6
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	V7

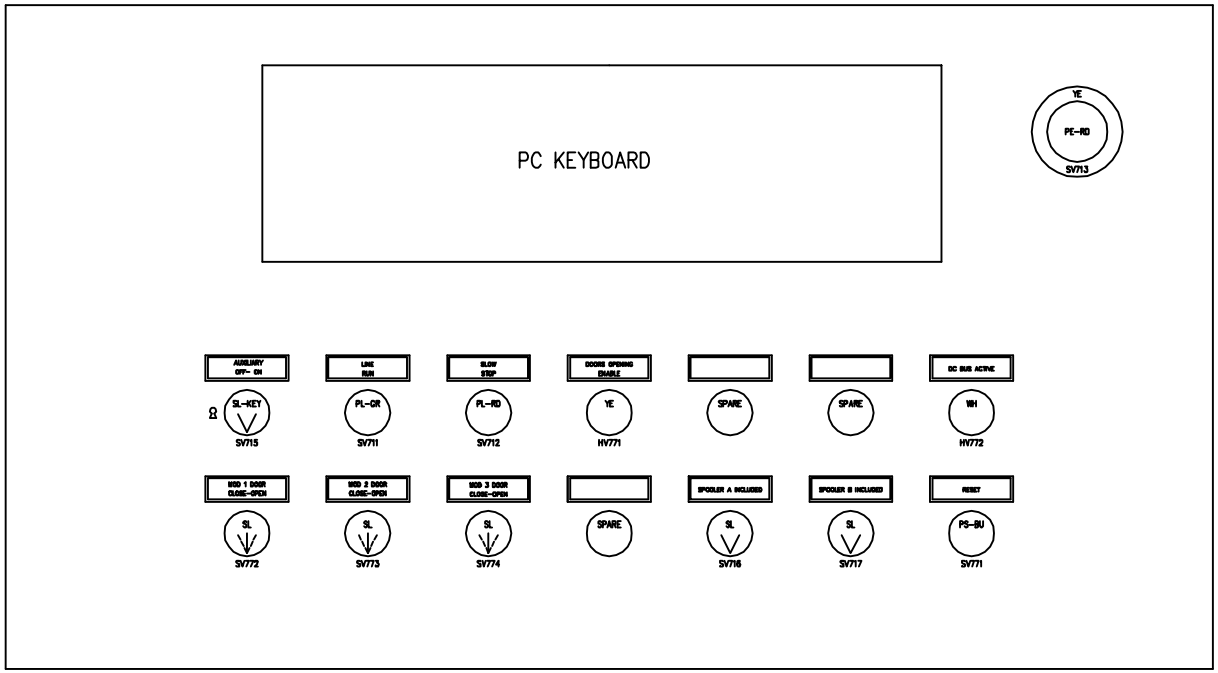


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	=	LI	Scale	1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			CONTROL BOARD		+	PC	Tot	197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016	SAMP	Sheet	V7
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout			Follow	V8

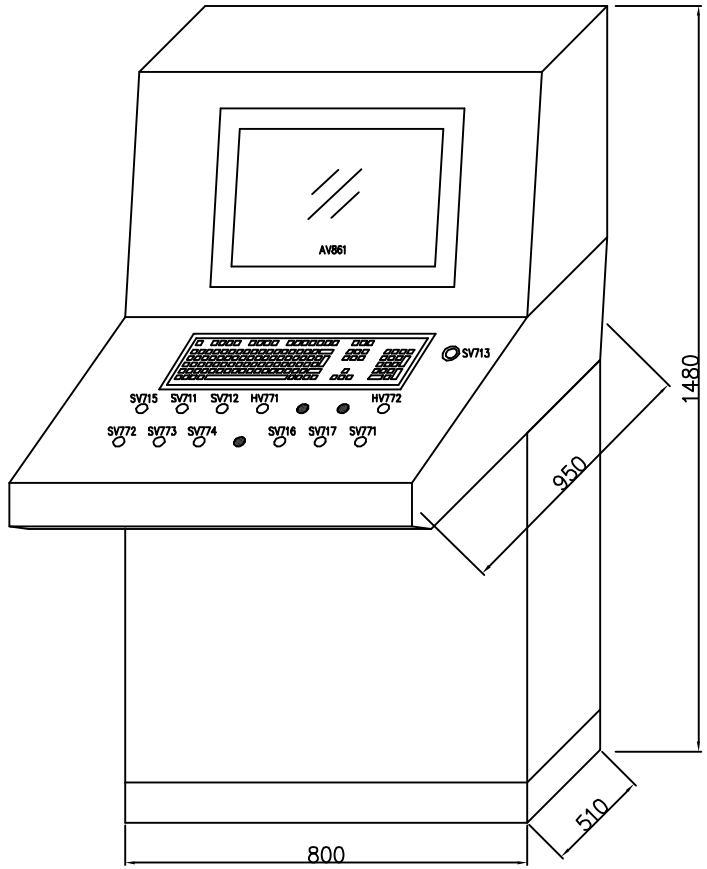


3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= L1	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			CONTROL BOARD REMOTE PC		+ PC	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet V8
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow V9

COLORE GRIGIO RAL7032



CONTROL DESK LAYOUT



3	COMMISSIONING	31/10/08	G.B.	Date	12/11/07		SAMP S.p.A. 59, v. Stalingrado Bologna – ITALY	MTSC.2.15+2xTE/85-A	080025	= LI	Scale 1:1 mm
2	SAMP MODIFY	05/05/08	G.B.	Design.	N.Z.			CONTROL BOARD LAYOUT		+ PC	Tot 197
1	SAEL TEST	29/02/08	N.Z.	Check	BORDINO				File: 080025SH.DWG	No 2007R016 SAMP	Sheet V9
	Revision	Date	Name	Stand.	EN60204-1	Obtained from:	Replacing:	Replaced by:	Layout		Follow W1