MODIN M1030
AIR PURIFICATION

DCS CABINET Y1041
BOOSTER AIR SURPRESSOR

2	15-12-05	S.P.	AS BUILT	F.M.	-
1	26-07-05	S.P.	FOR CONSTRUCTION	F.M.	-
0	13-05-05	S.P.	FOR APPROVAL	F.M.	-
REV *REV*	DATE *DATE*	DESSINE PAR *DRAWN BY*	MODIFICATIONS *REVISIONS*	VERIFIE PAR *CHECKED BY*	APPROUVE PAR *APPROVED BY*

AFFAIRE / *JOB*

ZAPORO

ENSEMBLE / *PART*

INSTRUMENTATION

TITRE / *TITLE*

DCS CABINET Y1041

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câblage électrique asm

AIR LIQUIDE INGENIERIE

ECHELLE *SCALE*	N° D'AFFAIRE *JOB NUMBER*	FMT *FMT*	GROUPE N° *GROUP NBR*
-	50-2852	A4	841-1041

2 1 0 Rev

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N° PAGE	INDICE 0	1	2	3	4	5	DOCUMENTS
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2	X	X					Table of contents
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4	X		X				Inside arrangement of front view
5	X						Inside arrangement of rear view
6							Free
7	X	X					Interfaces modules arrangement – Rear view
8							Free
9							Free
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11	X						Identification markers
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19	X						Power supply 230V~ – U.P.S. – Circuit diagram
20	X						Power supply 230V~ – U.P.S. – Circuit diagram
21	X						Power supply 230V~ U.P.S. – Terminal block X1
22							Free
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27	X		X				Power supply 24V= – (PS01–PS02) – Circuit diagram

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29	X						Power supply 24V=/230V~ Interfaces – Circuit diagram
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35	X						Rack ANR01–04 – Slot 1 – AAI835 – 4AI/4AO–MIL–R–SW
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câblage électrique asm

AIR LIQUIDE INGENIERIE

JOB Number Designation: 50–2852 ZAPORO

DOCUMENT NUMBER: 841–1041

BOOSTER AIR SURPRESSOR

MODIN M1030
DCS CABINET Y1041
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81	X						Terminals blocks – MTB1041A
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câblage électrique asm

AIR LIQUIDE INGENIERIE

JOB Number Designation: 50–2852 ZAPORO

DOCUMENT NUMBER: 841–1041

BOOSTER AIR SURPRESSOR

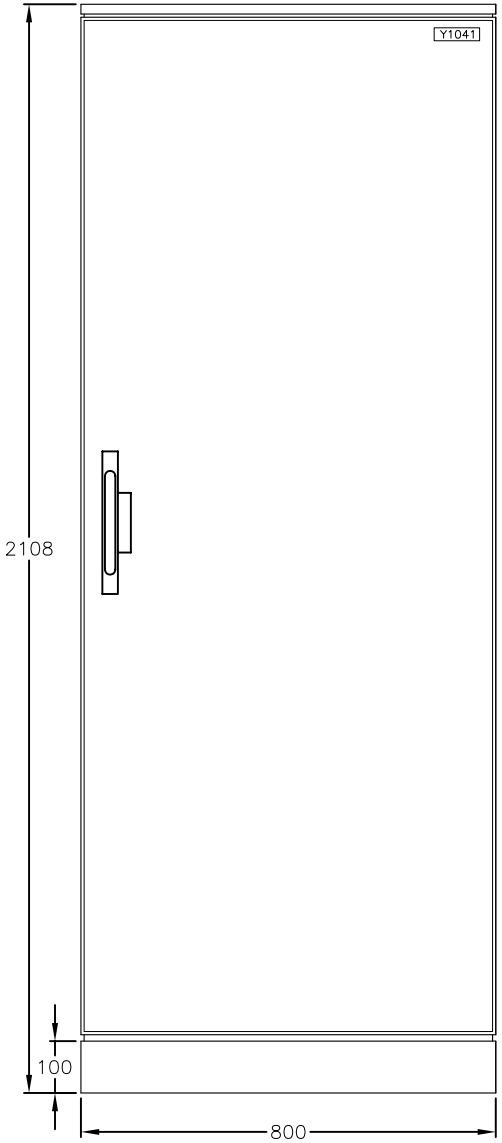
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DCS CABINET Y1041
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FRONT VIEW

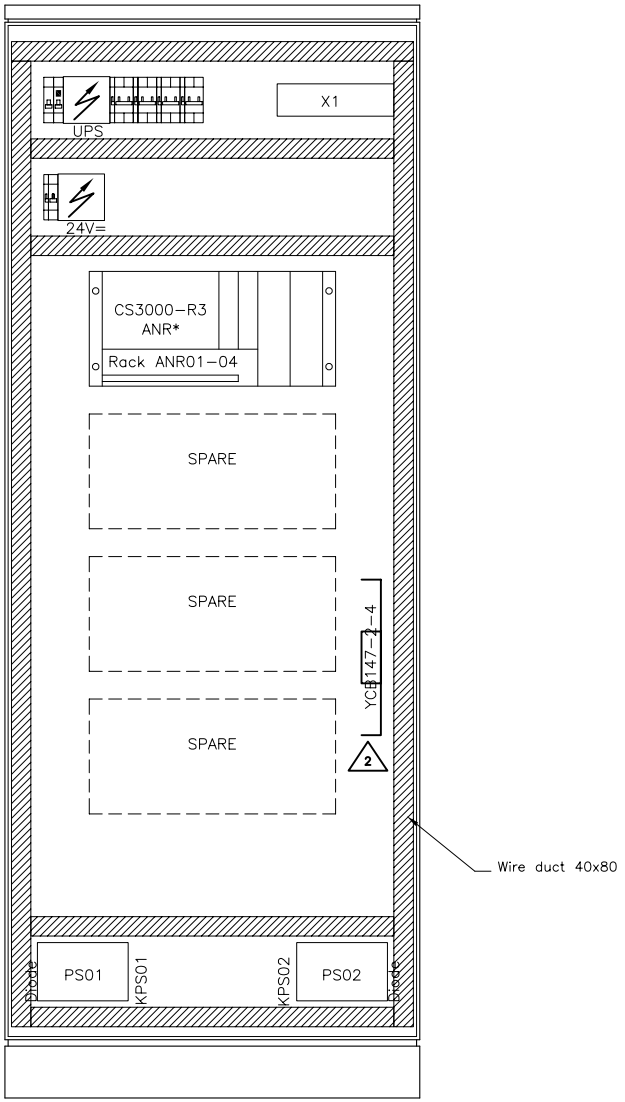


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				sign	F.M.		

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INSIDE ARRANGEMENT OF FRONT VIEW



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AIR LIQUIDE INGENIERIE

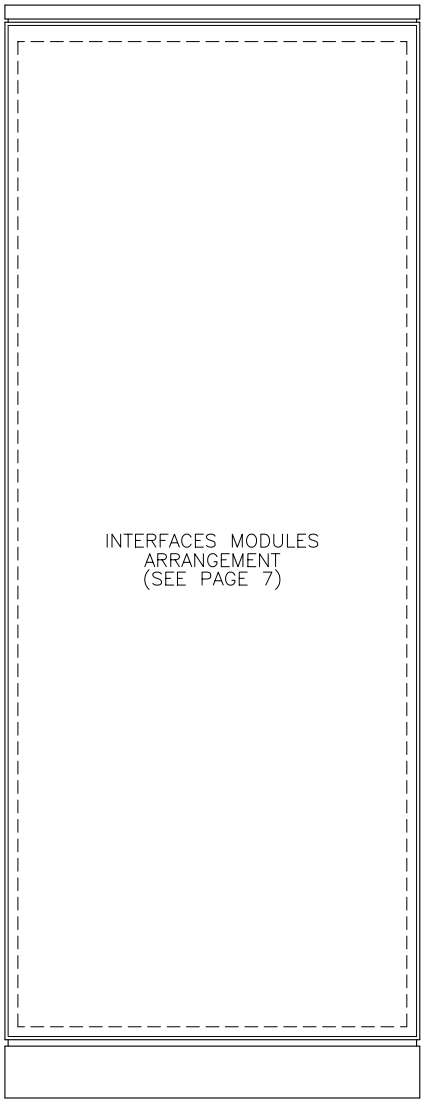
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BOOSTER AIR SURPRESSOR			Inside arrangement of front view

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INSIDE ARRANGEMENT OF REAR VIEW

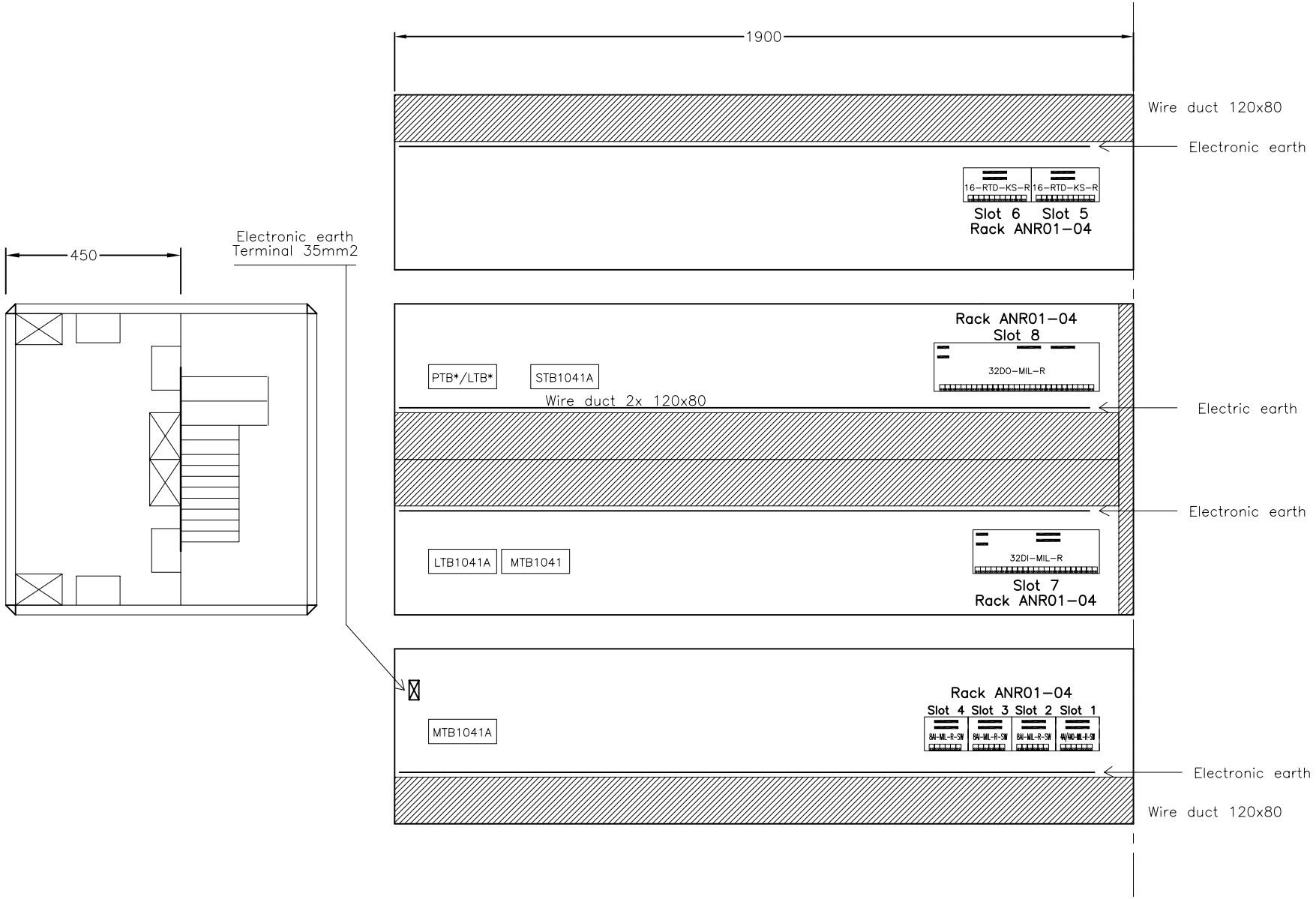


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AIR LIQUIDE INGENIERIE

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BOOSTER AIR SURPRESSOR			Inside arrangement of rear view	name	S.P.		
				sign	F.M.		



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				sign	F.M.	F.M.	

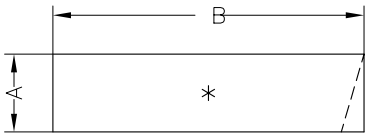
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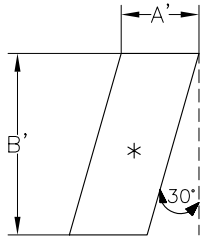
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1	Y1041			1	40	120
2	RACK ANR01-04			1	20	40
3						
4						
5						
6						
7	Q1 - GENERAL	CIRCUIT BREAKER	230V-50Hz - UPS	1	20	36
8	Q1.1 - 230V~ UPS	POWER SUPPLY	Terminal block X1	1	20	45
9	Q1.2 - 230V~ UPS	POWER SUPPLY	PS01 - 24V=	1	20	45
10	Q1.3 - 230V~ UPS	POWER SUPPLY	PS02 - 24V=	1	20	45
11	Q1.4 - 230V~ UPS	POWER SUPPLY	Interfaces - 230V~	1	20	45
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22	PS01-POWER SUPPLY	24V=		1	20	120
22	PS02-POWER SUPPLY	24V=		1	20	120
24	KPS01			1	20	20
25	KPS02			1	20	20
26	Q24V - 24V=	POWER SUPPLY	Interfaces	1	20	36
27						
28						

Tag Number	NAME PLATES "LABEL"			Qty	DIMENSIONS	
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30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42	MTB1041A			1	20	40
43	LTB1041A			1	20	40
44	STB1041A			1	20	40
45	MTB1041			1	20	40
46	LTB1041			1	20	40
47	PTB1041	GENERAL INCOMING		1	20	40
48						

Material : White phenolic label 1.6 Thickness-Black lettering.

Fixing : By Glueing.





câblage électrique asm

AIR LIQUIDE INGENIERIE

JOB Number 50-2852
Designation ZAPORO

DOCUMENT NUMBER 841-1041

BOOSTER AIR SURPRESSOR

MODIN M1030
DCS CABINET Y1041
Identification markers

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sign	F.M.					

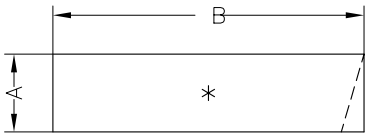
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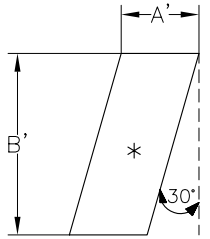
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50	RACK ANR01-04/S02			1	10	30
51	RACK ANR01-04/S03			1	10	30
52	RACK ANR01-04/S04			1	10	30
53	RACK ANR01-04/S05			1	10	30
54	RACK ANR01-04/S06			1	10	30
55	RACK ANR01-04/S07			1	10	30
56	RACK ANR01-04/S08			1	10	30
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71						
72						
73						
74						
75						
76						

Tag Number	NAME PLATES "LABEL"			Qty	DIMENSIONS	
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78						
79						
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81						
82						
83						
84						
85						
86						
87						
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92						
93						
94						
95						
96						

Material : White phenolic label 1.6 Thickness–Black lettering.

Fixing : By Glueing.





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AIR LIQUIDE INGENIERIE

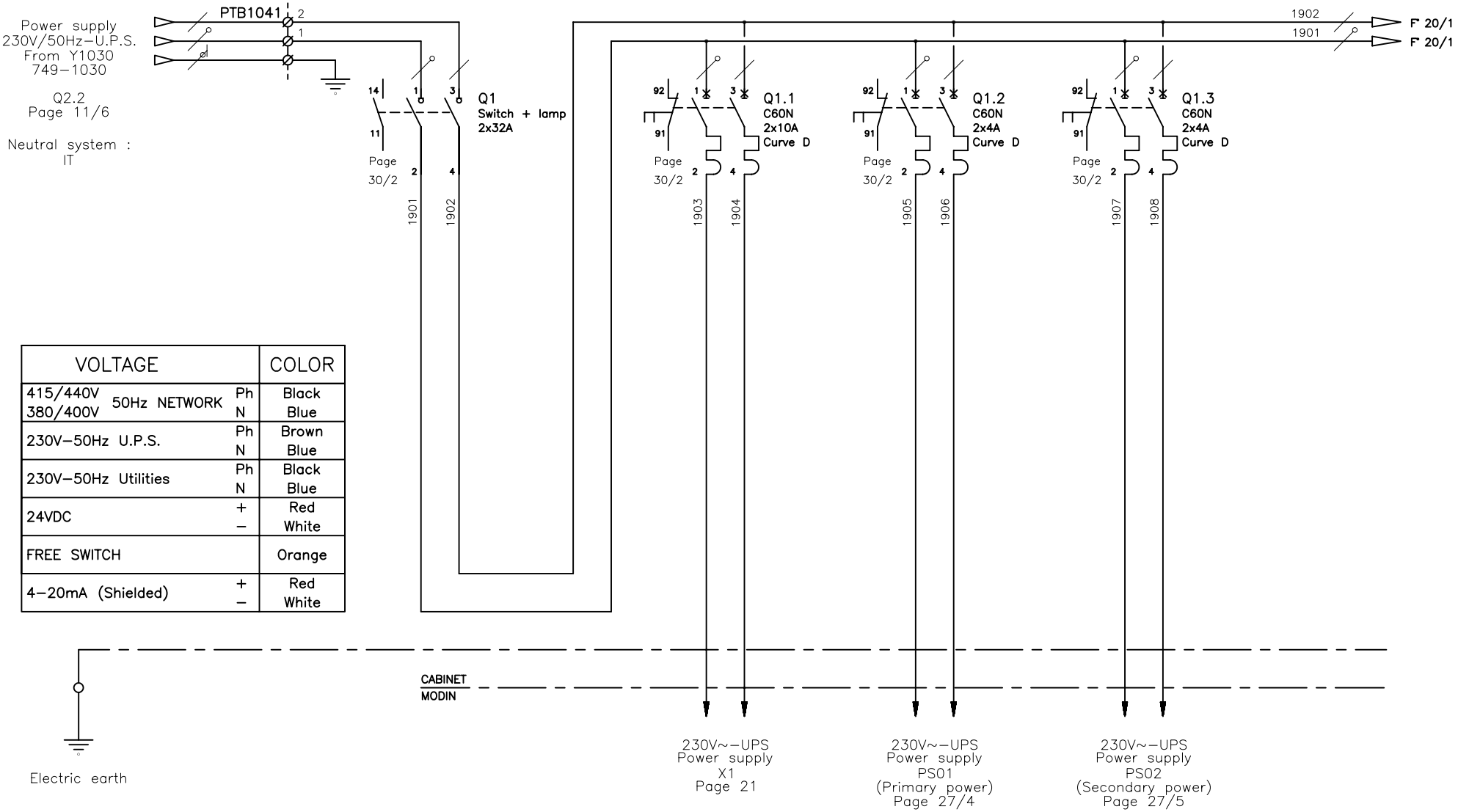
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Designation ZAPORO

DOCUMENT NUMBER 841–1041

BOOSTER AIR SURPRESSOR

MODIN M1030
DCS CABINET Y1041
Identification markers

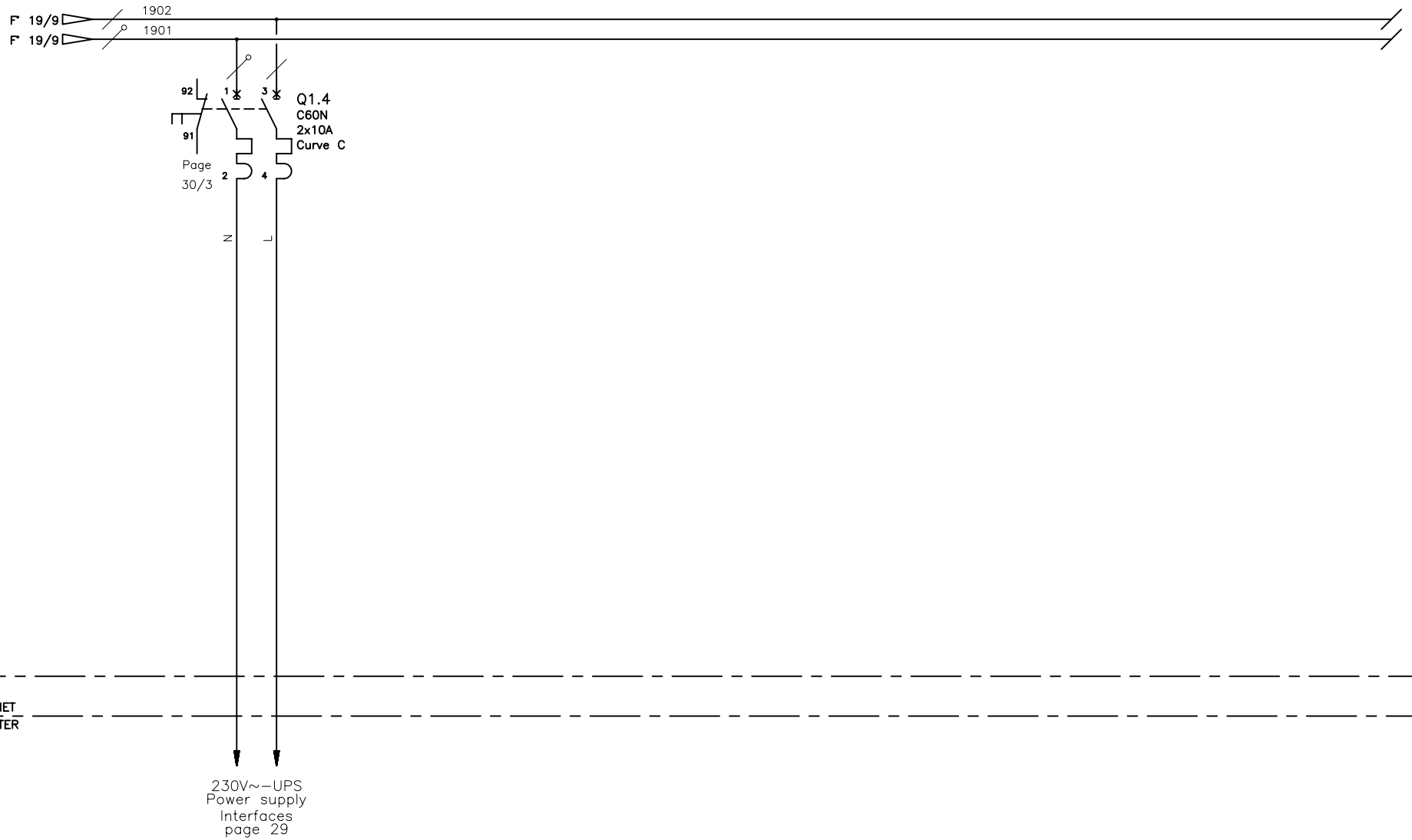
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name	S.P.					
sign	F.M.					



VOLTAGE		COLOR
415/440V 380/400V 50Hz NETWORK	Ph	Black
	N	Blue
230V–50Hz U.P.S.	Ph	Brown
	N	Blue
230V–50Hz Utilities	Ph	Black
	N	Blue
24VDC	+	Red
	–	White
FREE SWITCH		Orange
4–20mA (Shielded)	+	Red
	–	White

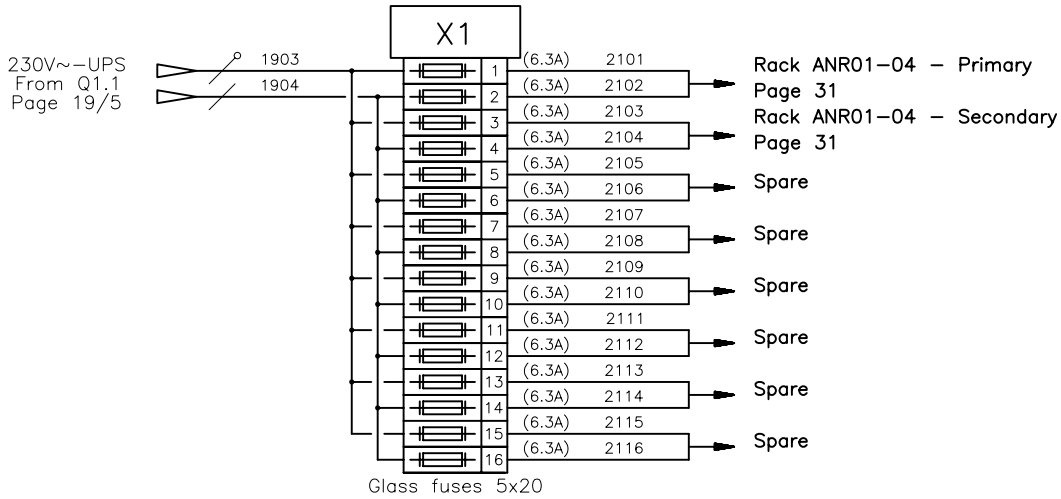
câblage électrique asm	JOB Number Designation 50–2852 ZAPORO	DOCUMENT NUMBER 841–1041	MODIN M1030 DCS CABINET Y1041 Power supply 230V~ – U.P.S. Circuit diagram	index	0		PAGE
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				sign	F.M.		

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AIR LIQUIDE INGENIERIE	BOOSTER AIR SURPRESSOR		Power supply 230V~ - U.P.S. Circuit diagram	name	S.P.					
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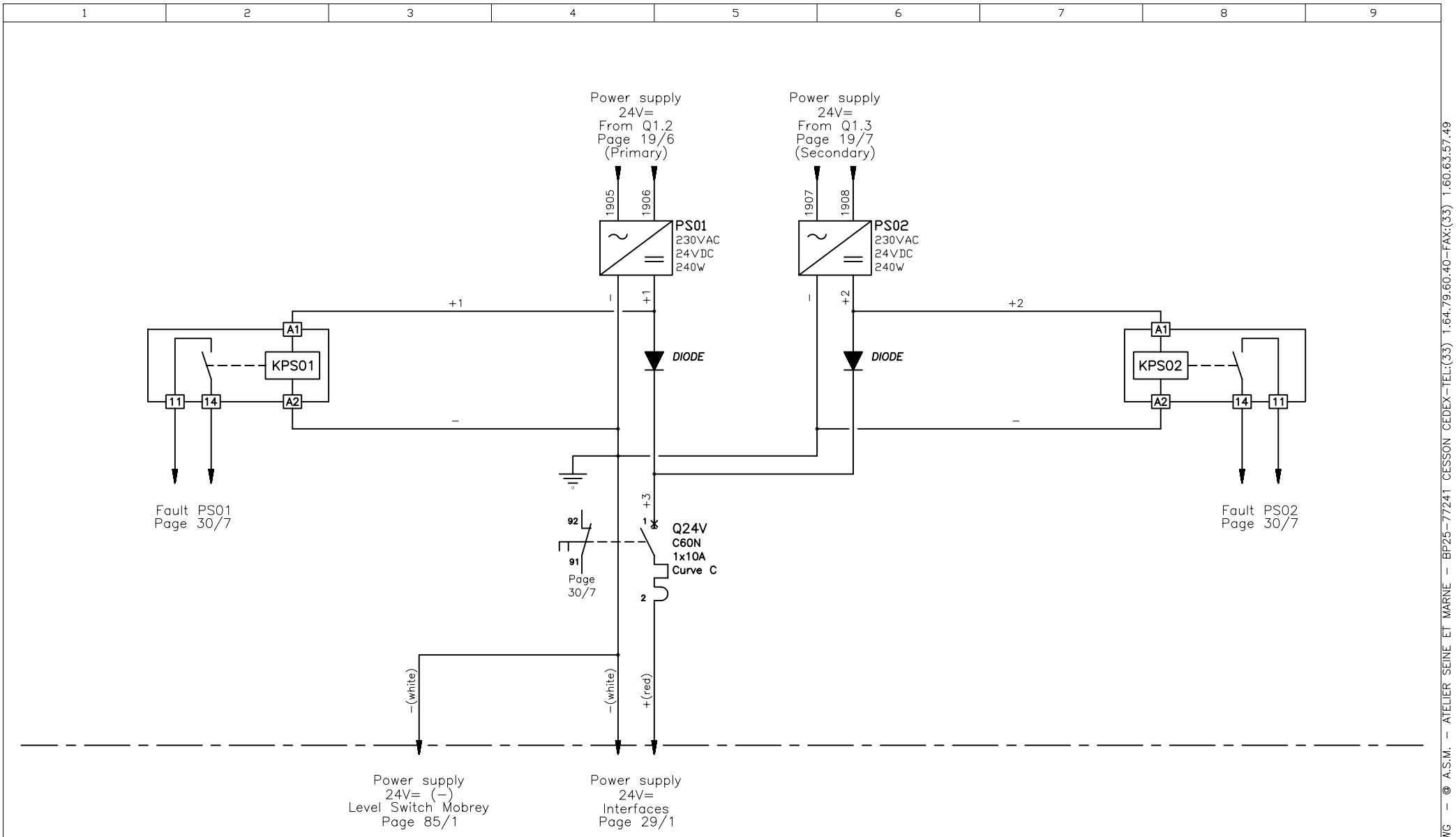
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Glass fuse

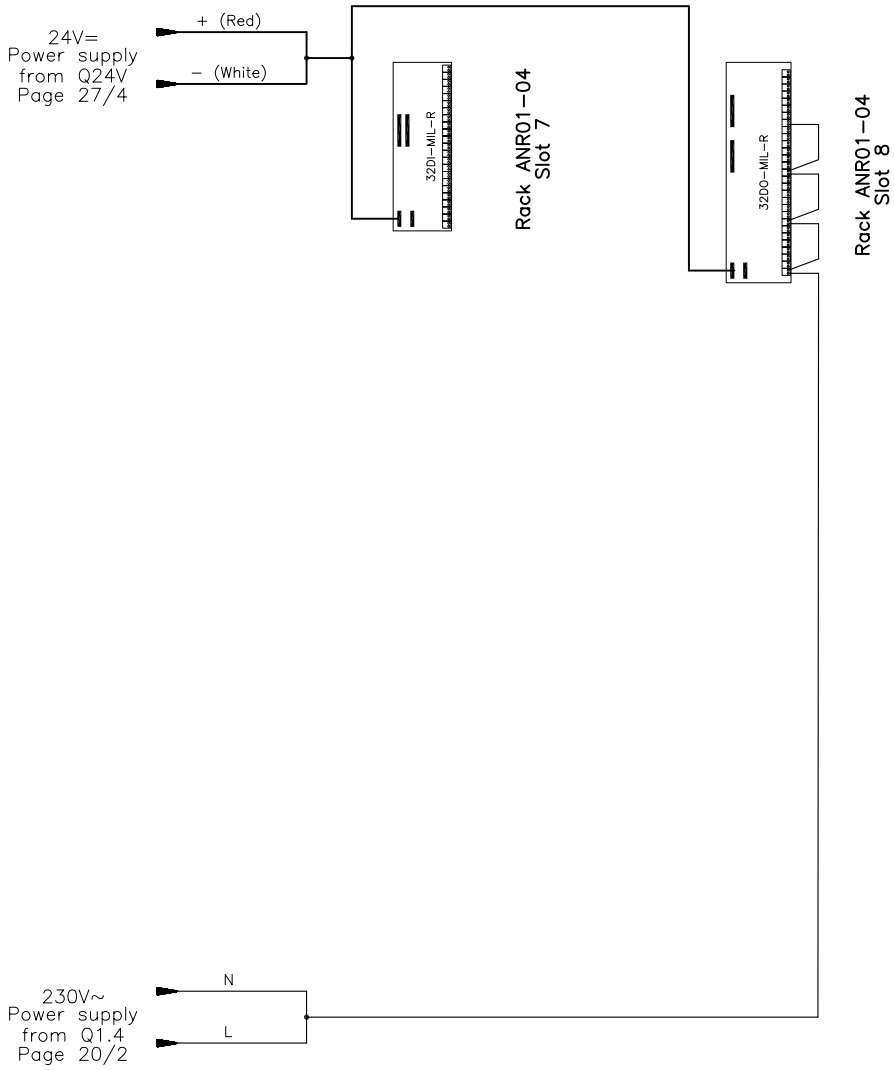
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				sign	F.M.					

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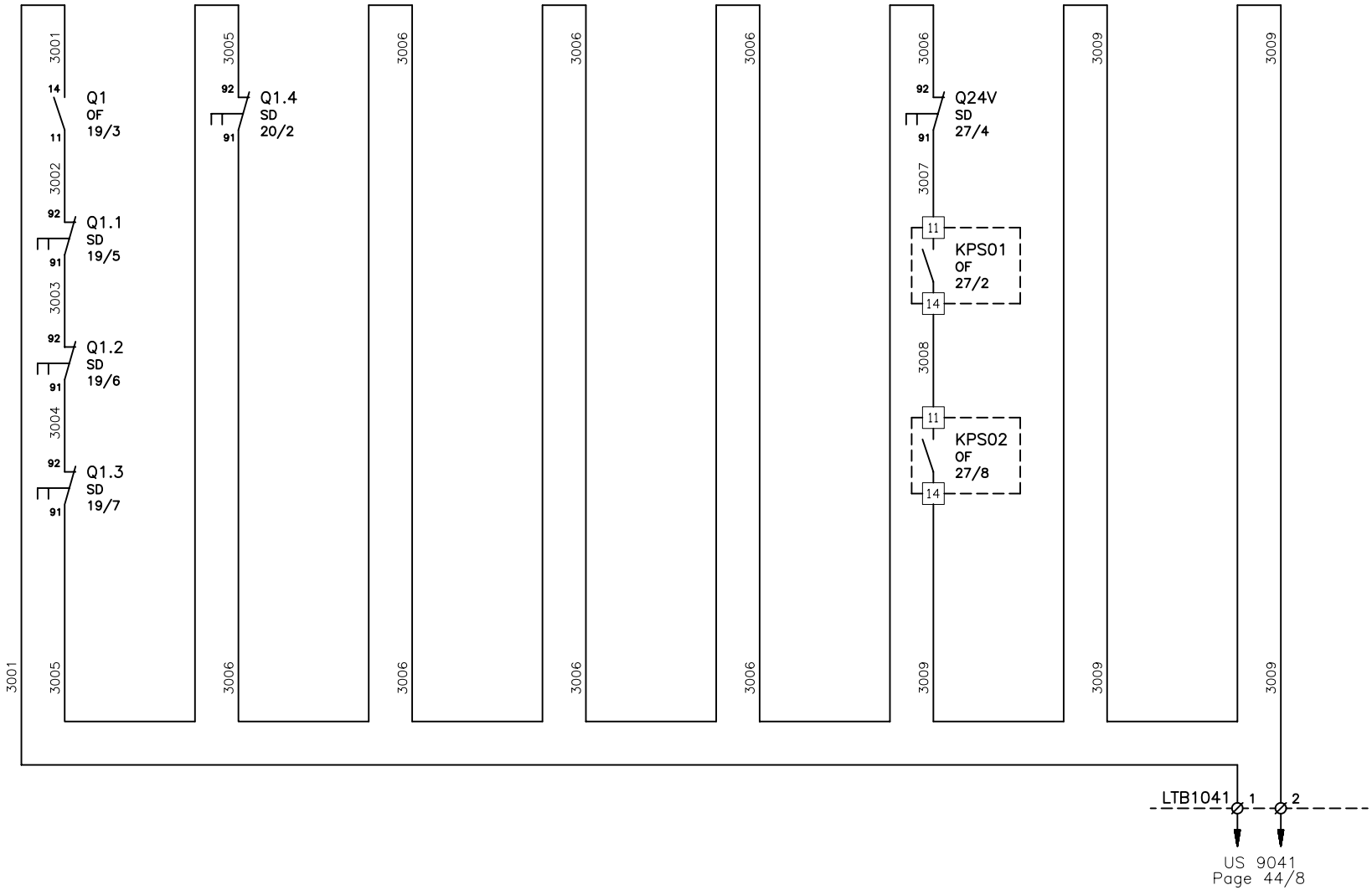
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				sign	F.M.					

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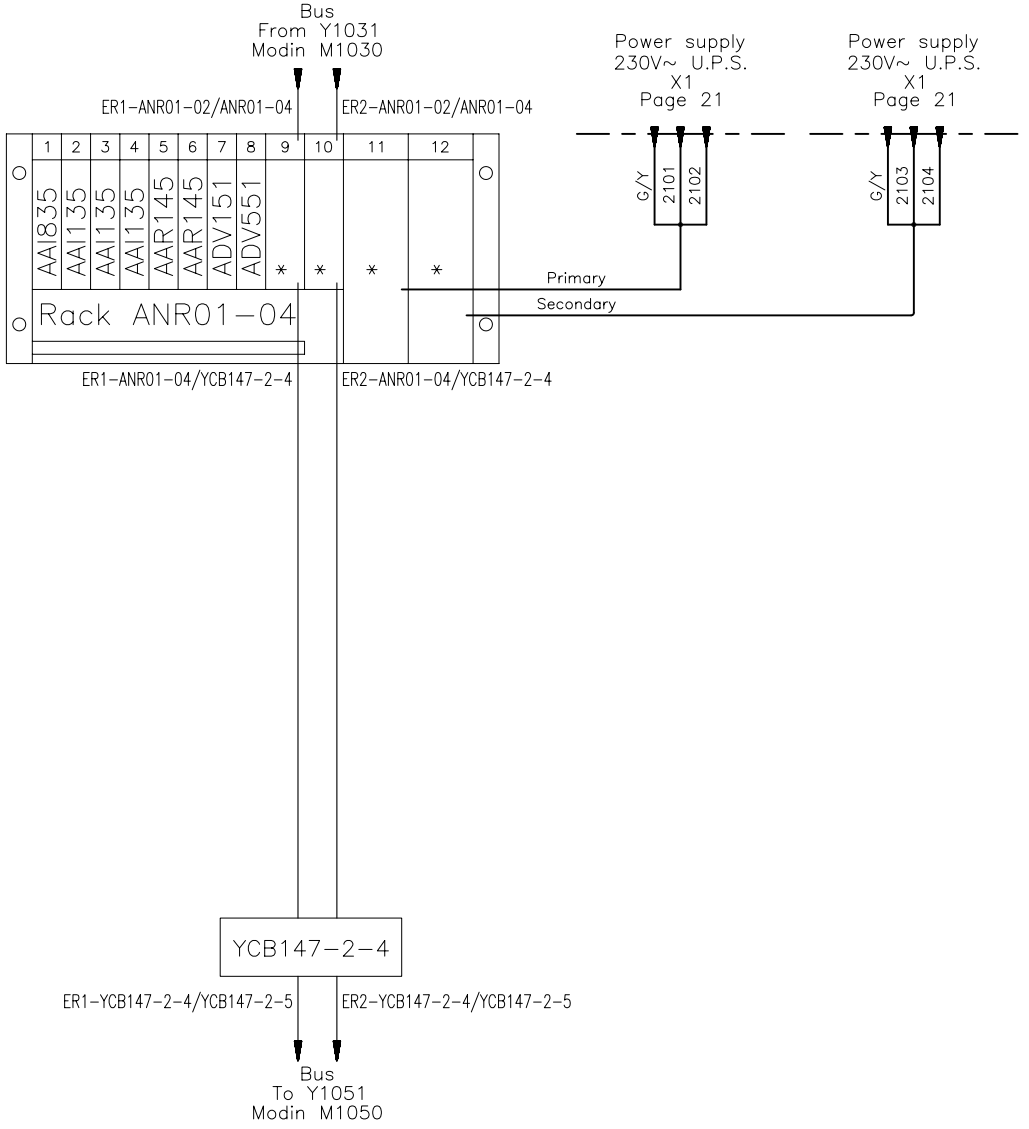
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				sign	F.M.					

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				sign	F.M.					

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Card	Interface	Cable
YOKOGAWA – CS3000 AAI835	YOKOGAWA – Module 4AI/4AO 4AI/4AO-MIL-R-SW	WAGO – Cable 40pts 51023537
YOKOGAWA – CS3000 AAI135	YOKOGAWA – Module 8AI 8AI-MIL-R-SW	WAGO – Cable 40pts 51023537
YOKOGAWA – CS3000 AAR145	YOKOGAWA – Module 16RTD 16RTD-KS-R	WAGO – Cable 50pts 51023538
YOKOGAWA – CS3000 ADV551	YOKOGAWA – Module 32DO 32DO-MIL-R	WAGO – Cable 50pts 51023538
YOKOGAWA – CS3000 ADV151	YOKOGAWA – Module 32DI 32DI-MIL-R	WAGO – Cable 50pts 51023538

câblage électrique asm

AIR LIQUIDE INGENIERIE

JOB Number 50-2852
Designation ZAPORO

DOCUMENT NUMBER 841-1041

BOOSTER AIR SURPRESSOR

MODIN M1030
DCS CABINET Y1041
Arrangement modules Rack

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date	13-05-05	26-07-05				31/99
name	S.P.	S.P.				
sign	F.M.	F.M.				

A1/1312 – P7058-31.DWG – © A.S.M. – ATELIER SEINE ET MARNE – BP25-77241 CESSON CEDEX-TEL:(33) 1.64.79.60.40-FAX:(33) 1.60.63.57.49

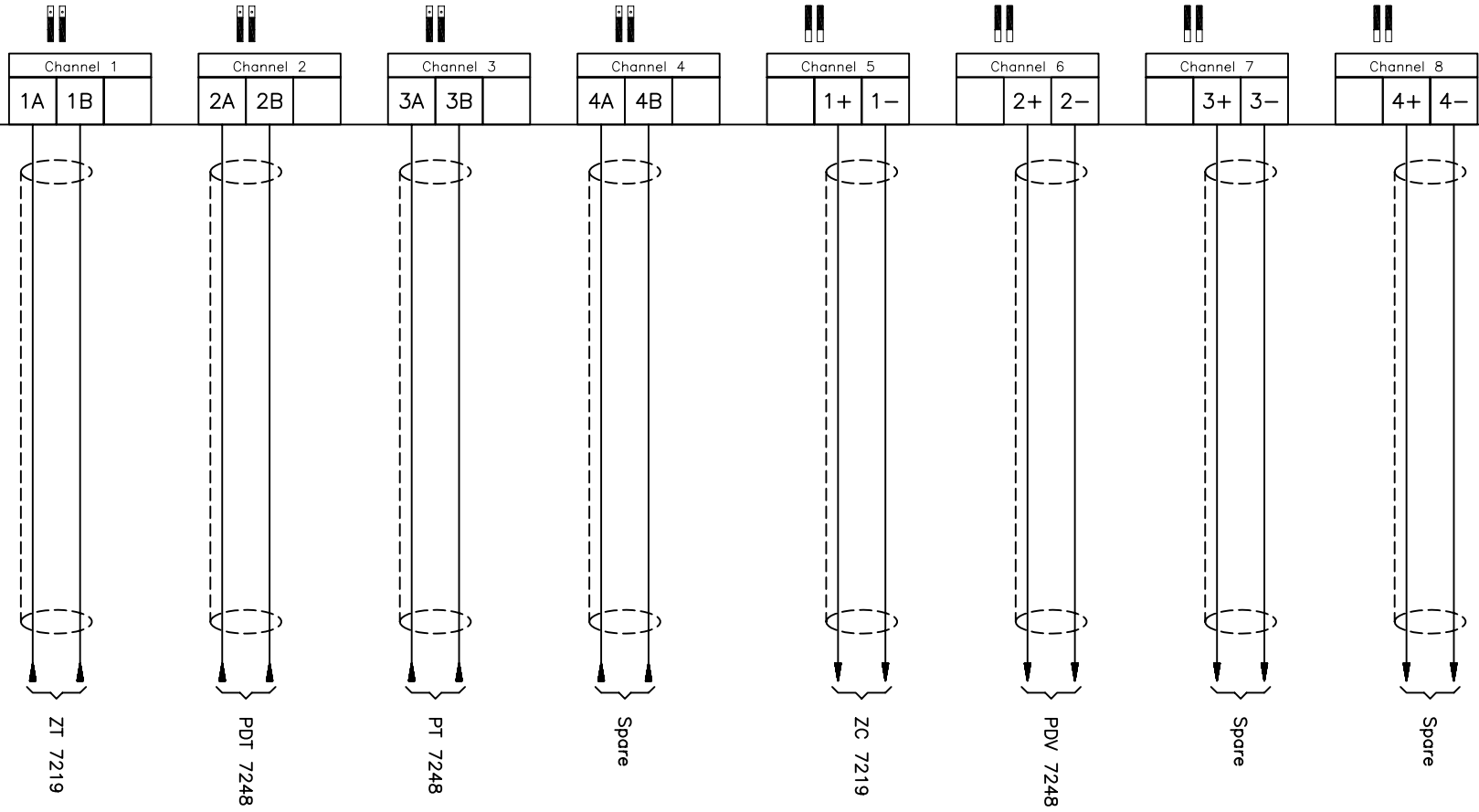
1	2	3	4	5	6	7	8	9

Switching Configuration

3 1 2	Analog input internal power
3 1 2	Analog input external power or Analog output

- YOKOGAWA -

Interface 4AI/AO−MIL−R−SW
Rack ANR01−04 − Slot 1



câblage électrique asm / AIR LIQUIDE INGENIERIE	JOB Number 50−2852 Designation ZAPORO	DOCUMENT NUMBER 841−1041	MODIN M1030 DCS CABINET Y1041 Terminals diagram Rack ANR01−04 − Slot 1 AAI835 − 4AI/4AO−MIL−R−SW	index	0					PAGE 35/99
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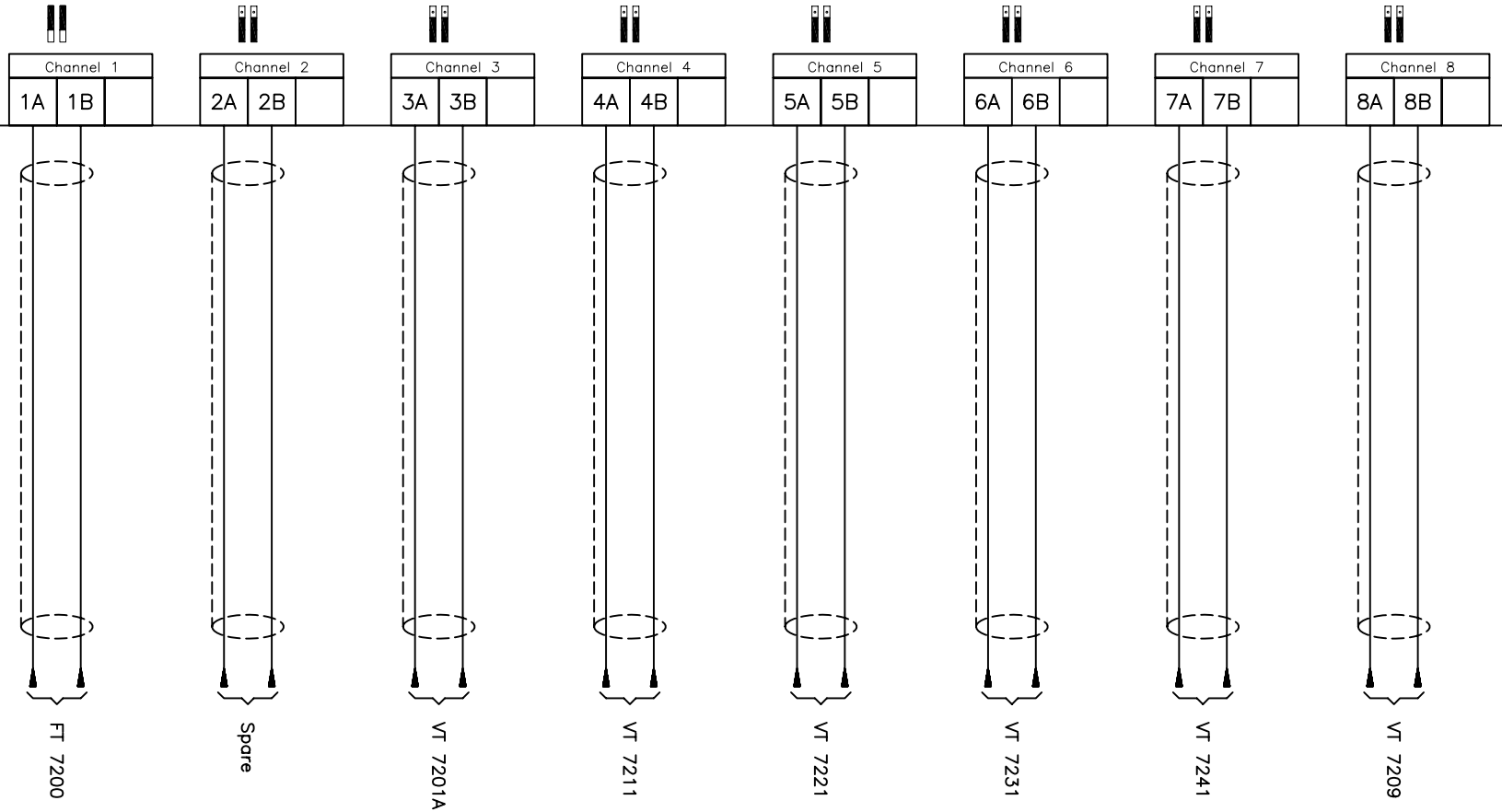
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1	2	3	4	5	6	7	8	9

Switching Configuration	
3 1 2	Analog input internal power
3 1 2	Analog input external power or Analog output

- YOKOGAWA -

Interface 8AI–MIL–R–SW
Rack ANR01–04 – Slot 2



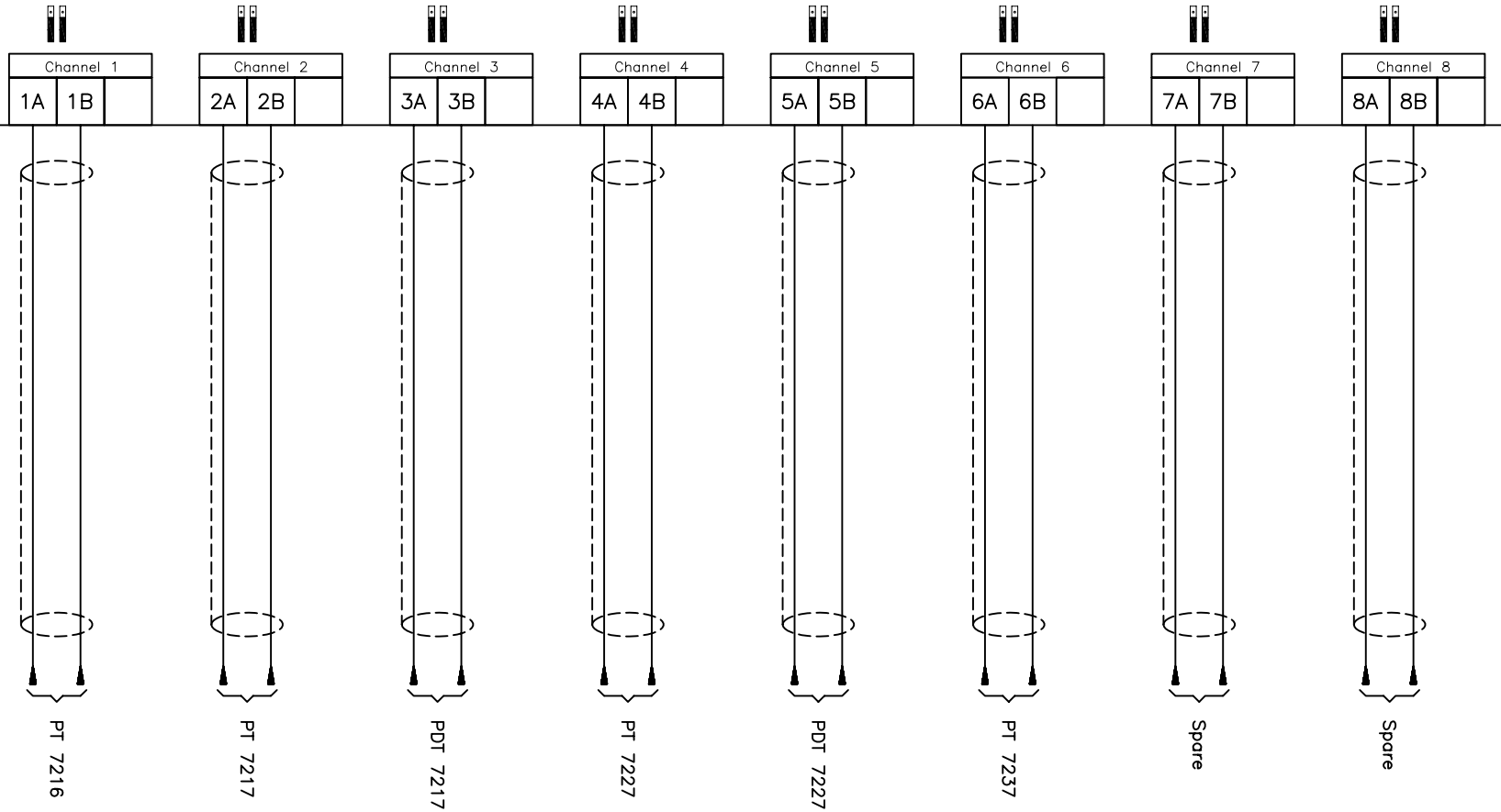
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	BOOSTER AIR SURPRESSOR			date	13–05–05	
				name	S.P.	
				sign	F.M.	

A1/1312 – P7058–36.DWG – © A.S.M. – ATELIER SEINE ET MARNE – BP25–77241 CESSON CEDEX–TEL:(33) 1.64.79.60.40–FAX:(33) 1.60.63.57.49

Switching Configuration	
3 1 2	Analog input internal power
3 1 2	Analog input external power or Analog output

- YOKOGAWA -

Interface 8AI–MIL–R–SW
Rack ANR01–04 – Slot 3



câblage électrique asm / AIR LIQUIDE INGENIERIE	JOB Number 50–2852 Designation ZAPORO	DOCUMENT NUMBER 841–1041	MODIN M1030 DCS CABINET Y1041 Terminals diagram Rack ANR01–04 – Slot 3 AAI135 – 8AI–MIL–R–SW	index	0		PAGE
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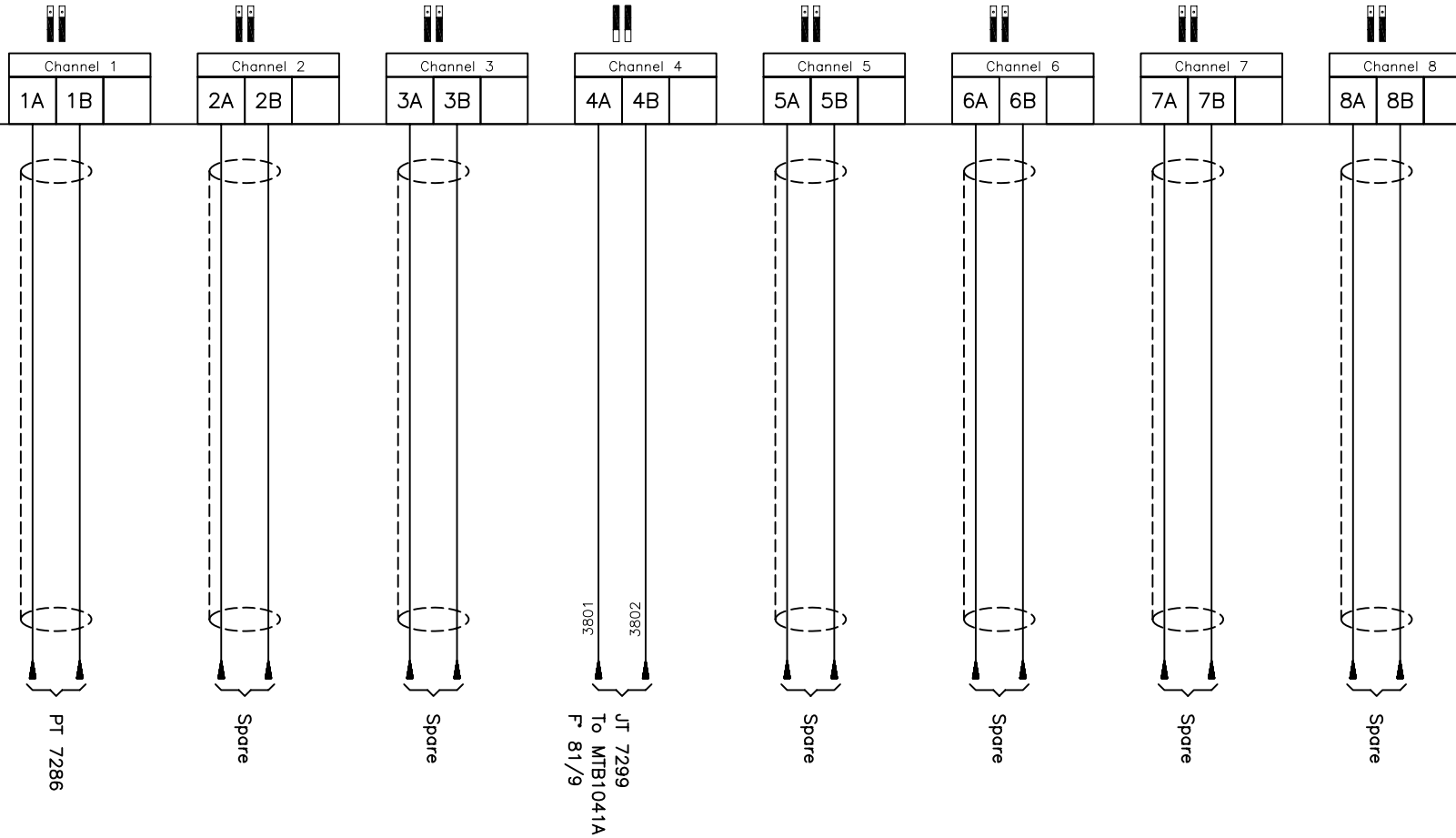
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1	2	3	4	5	6	7	8	9

Switching Configuration	
3 1 2	Analog input internal power
3 1 2	Analog input external power or Analog output

- YOKOGAWA -

Interface 8AI–MIL–R–SW
Rack ANR01–04 – Slot 4



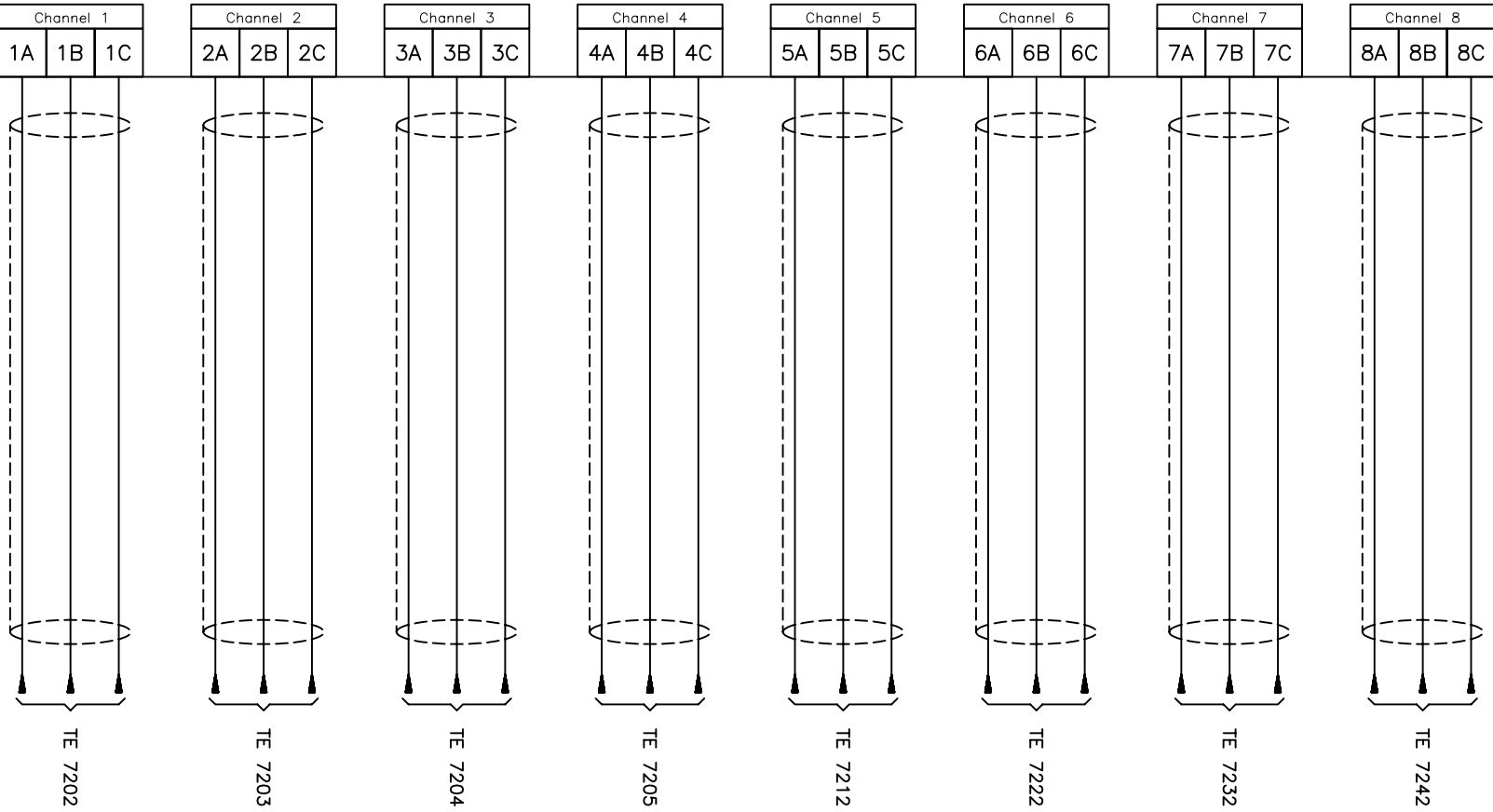
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	BOOSTER AIR SURPRESSOR			date	13–05–05					
				name	S.P.					
				sign	F.M.					

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- YOKOGAWA -

Interface 16RTD–KS–R
Rack ANR01–04 – Slot 5

Part 1/2



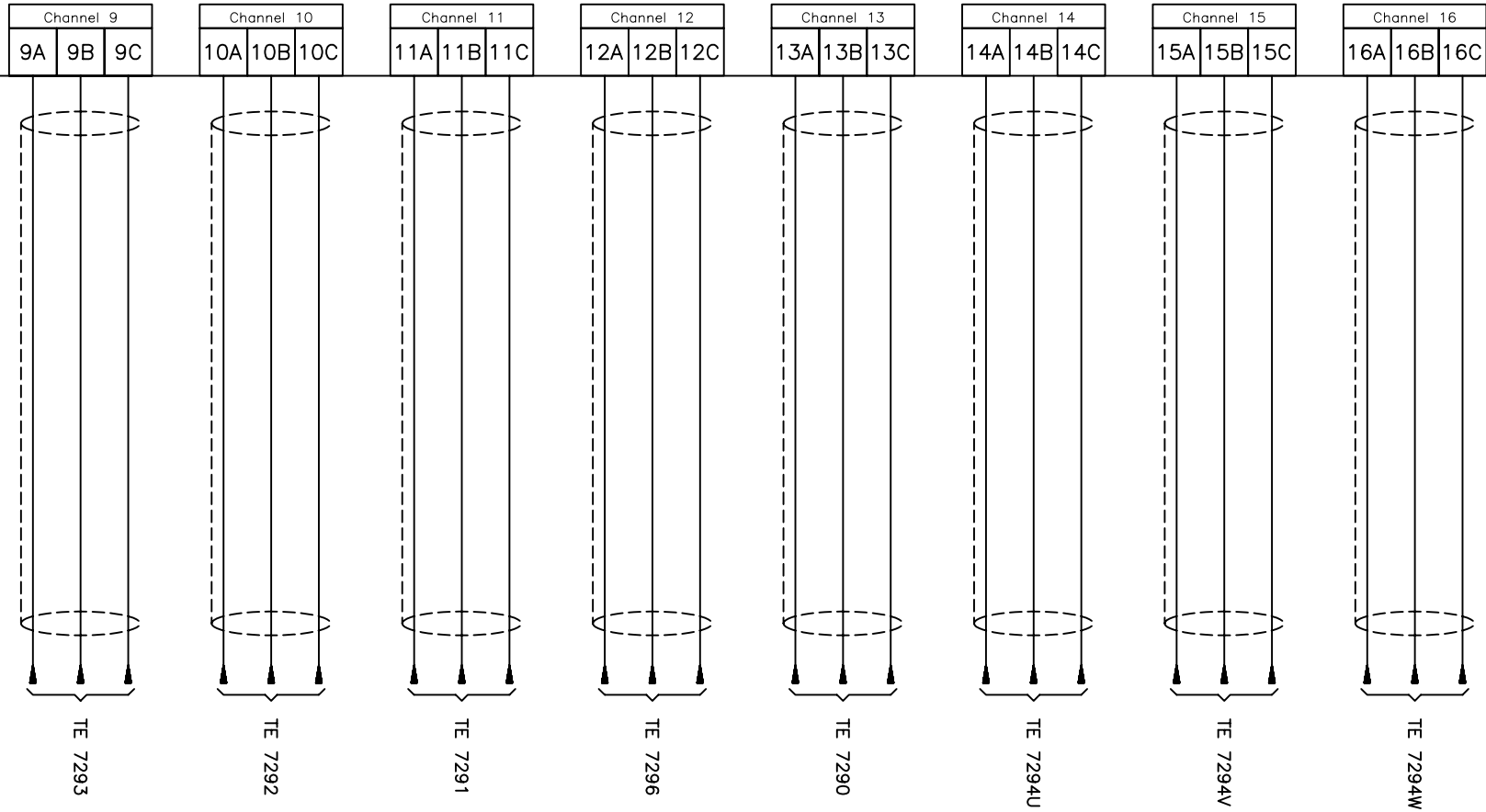
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	BOOSTER AIR SURPRESSOR			date	13–05–05		39 / 99
				name	S.P.		
				sign	F.M.		

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- YOKOGAWA -

Part 2/2

Interface 16RTD–KS–R
Rack ANR01–04 – Slot 5



câblage électrique asm / AIR LIQUIDE INGENIERIE	JOB Number 50–2852 Designation ZAPORO	DOCUMENT NUMBER 841–1041	MODIN M1030 DCS CABINET Y1041 Terminals diagram Rack ANR01–04 – Slot 5 AAR145 – 16RTD–KS–R	index 0 date 13–05–05 name S.P. sign F.M.		PAGE 40 / 99
	BOOSTER AIR SURPRESSOR					

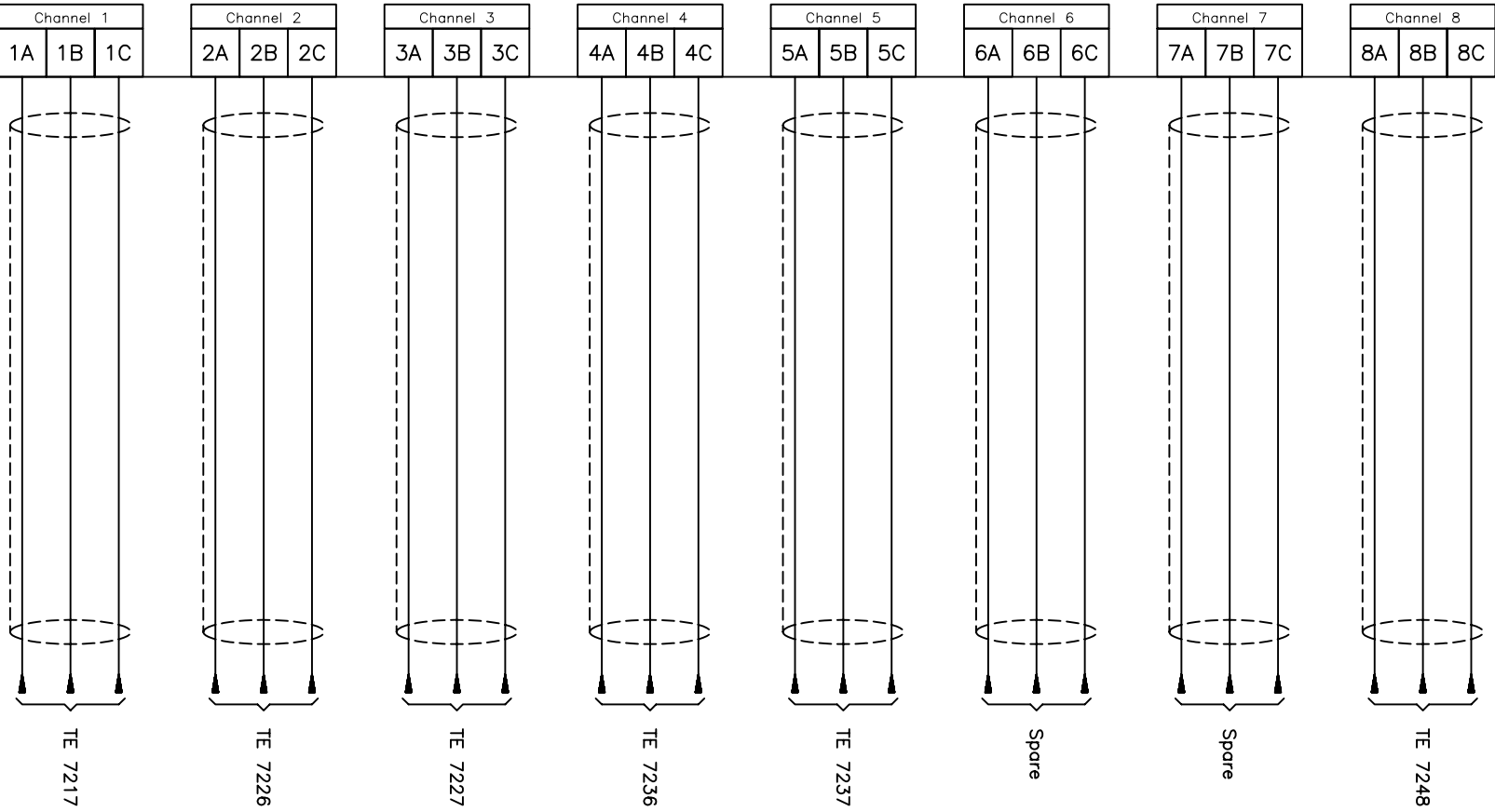
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1	2	3	4	5	6	7	8	9

- YOKOGAWA -

Interface 16RTD–KS–R
Rack ANR01–04 – Slot 6

Part 1/2



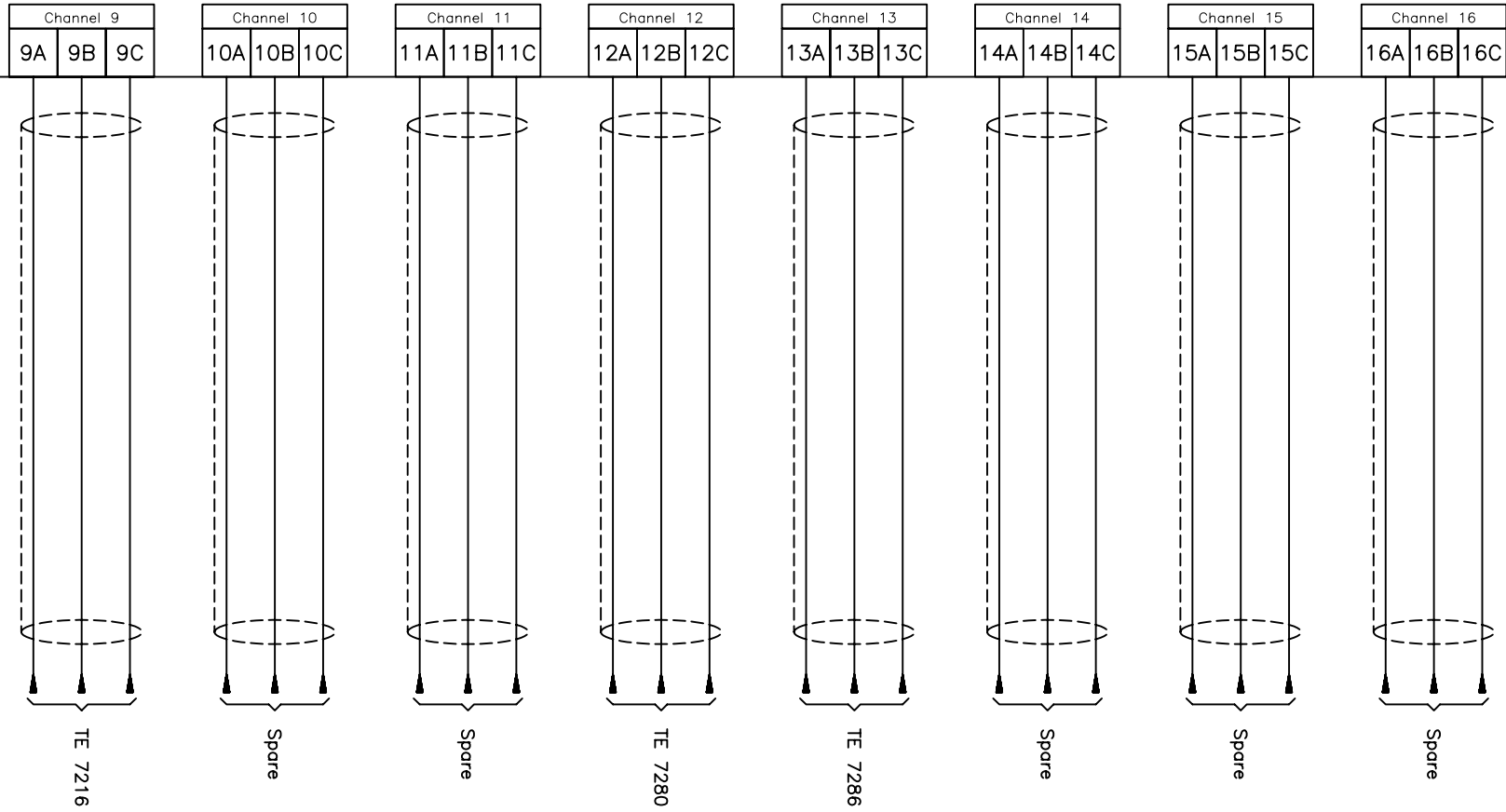
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AIR LIQUIDE INGENIERIE	BOOSTER AIR SURPRESSOR			date	13–05–05	41/99
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				sign	F.M.	

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- YOKOGAWA -

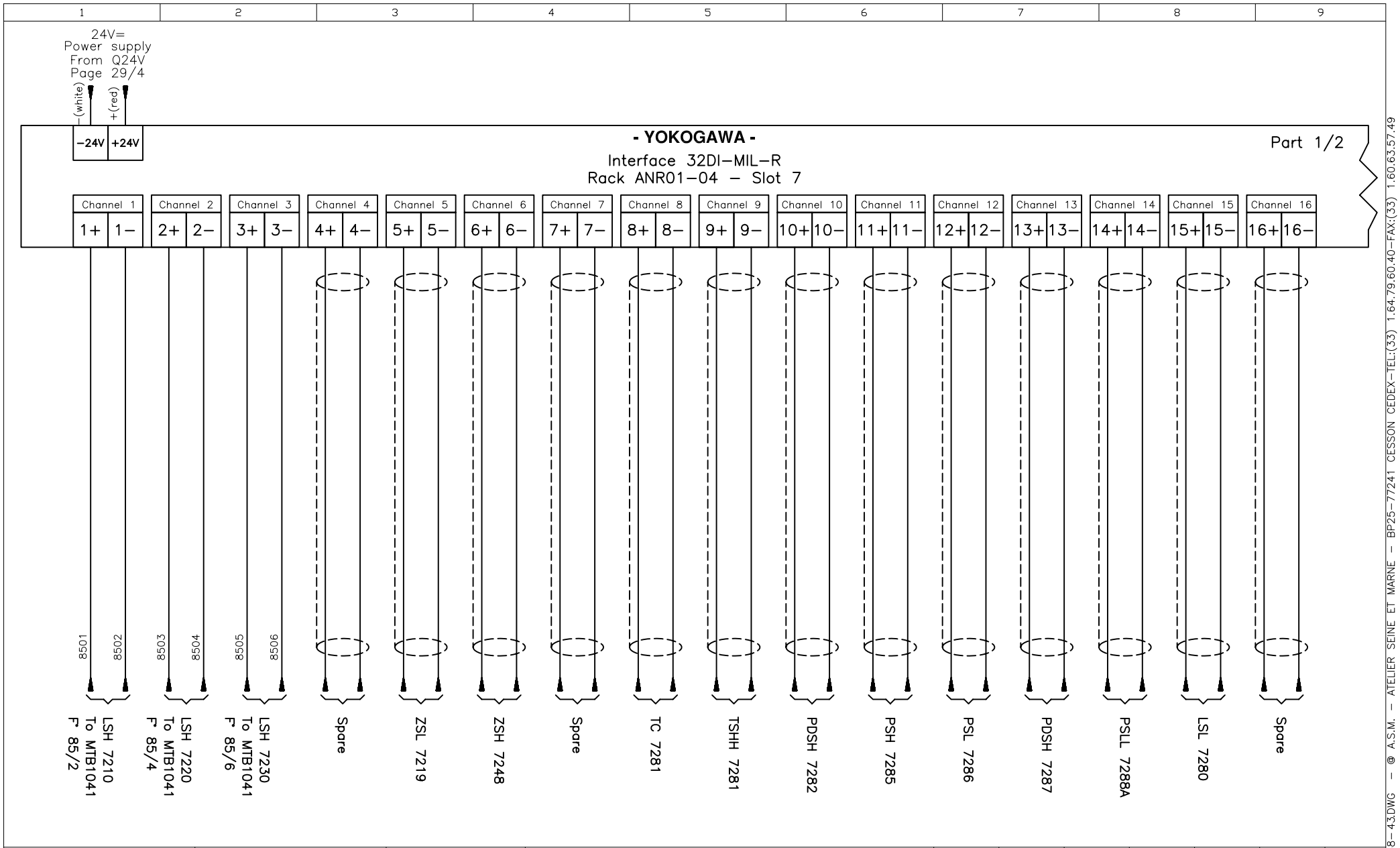
Part 2/2

Interface 16RTD–KS–R
Rack ANR01–04 – Slot 6



câblage électrique asm / AIR LIQUIDE INGENIERIE	JOB Number 50–2852 Designation ZAPORO	DOCUMENT NUMBER 841–1041	MODIN M1030 DCS CABINET Y1041 Terminals diagram Rack ANR01–04 – Slot 6 AAR145 – 16RTD–KS–R	index 0					PAGE 42/99
	BOOSTER AIR SURPRESSOR			date 13–05–05					
				name S.P.					
				sign F.M.					

A1/1312 – P7058–42.DWG – © A.S.M. – ATELIER SEINE ET MARNE – BP25–77241 CESSON CEDEX–TEL.:(33) 1.64.79.60.40–FAX:(33) 1.60.63.57.49



câblage électrique asm

AIR LIQUIDE INGENIERIE

JOB Number	50−2852	DOCUMENT NUMBER
Designation	ZAPORO	841−1041
BOOSTER AIR SURPRESSOR		

MODIN M1030
DCS CABINET Y1041
Terminals diagram
Rack ANR01−04 − Slot 7
ADV151 − 32DI−MIL−R

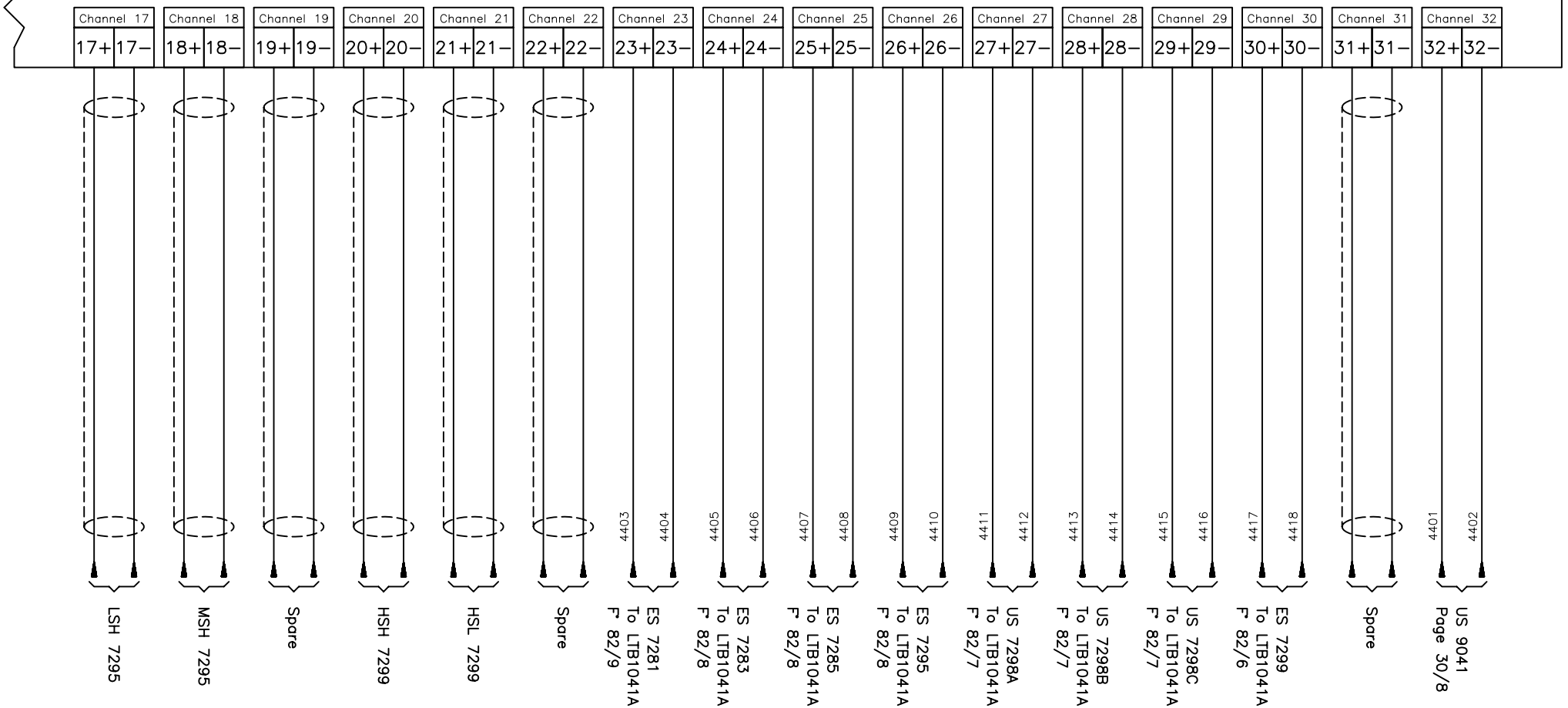
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- YOKOGAWA -

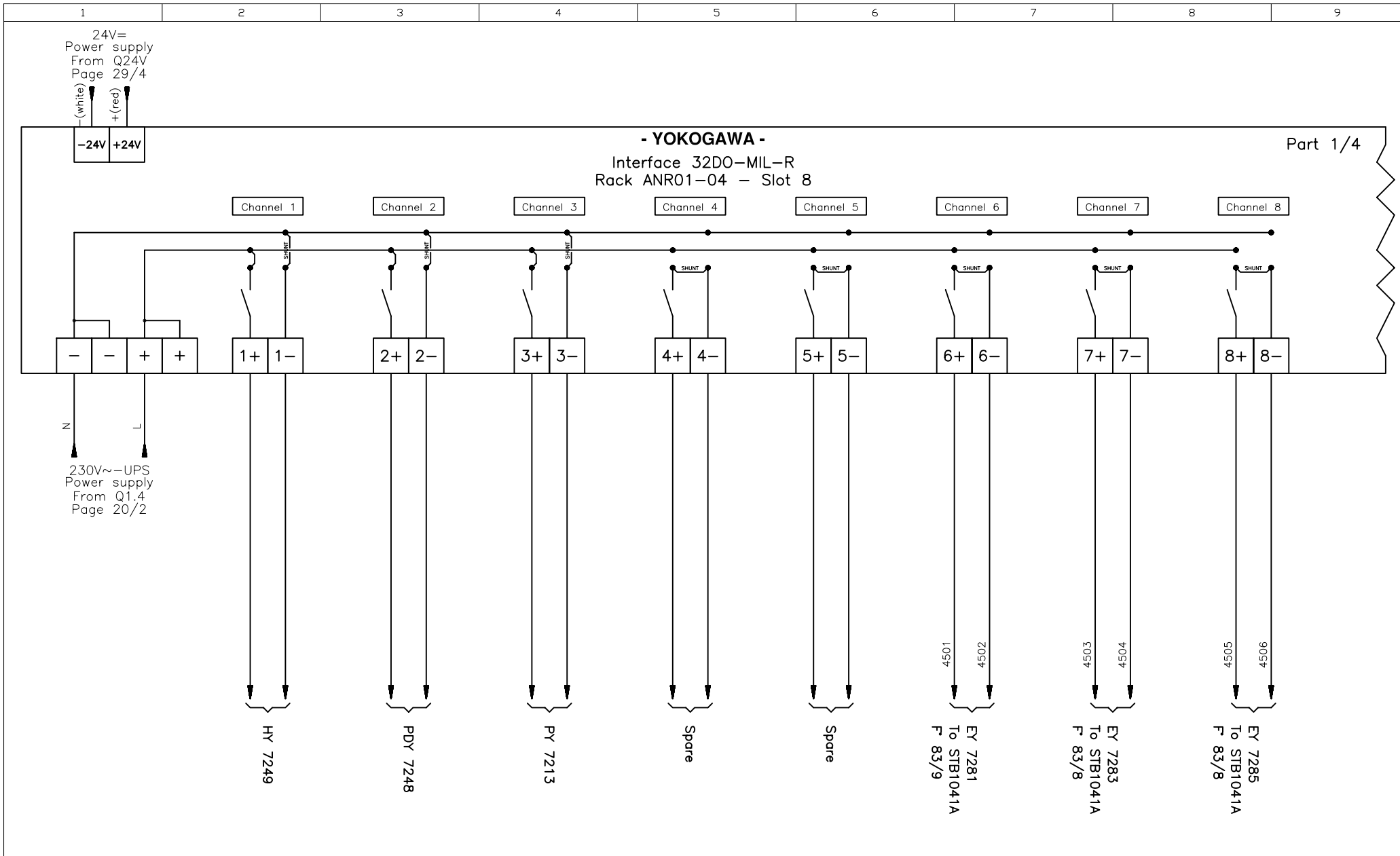
Part 2/2

Interface 32DI–MIL–R
Rack ANR01–04 – Slot 7



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	BOOSTER AIR SURPRESSOR			date	13–05–05					
				name	S.P.					
				sign	F.M.					

A1/1312 – P7058–44.DWG – © A.S.M. – ATELIER SEINE ET MARNE – BP25–77241 CESSON CEDEX–TEL.:(33) 1.64.79.60.40–FAX:(33) 1.60.63.57.49



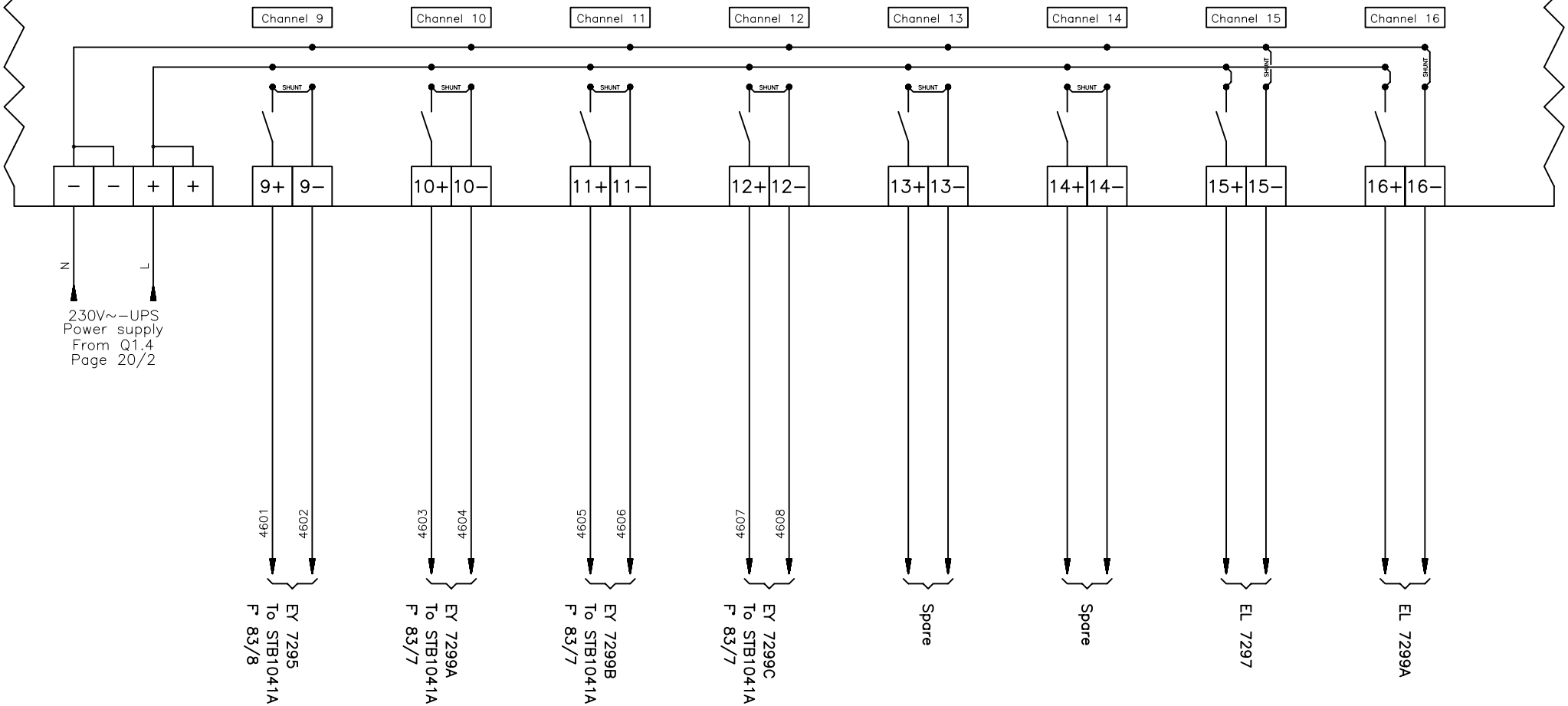
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	BOOSTER AIR SURPRESSOR			date	13−05−05					
				name	S.P.					
				sign	F.M.					

A1/1312 − P7058−45.DWG − © A.S.M. − ATELIER SEINE ET MARNE − BP25−77241 CESSON CEDEX−TEL.:(33) 1.64.79.60.40−FAX:(33) 1.60.63.57.49

- YOKOGAWA -

Part 2/4

Interface 32DO–MIL–R
Rack ANR01–04 – Slot 8



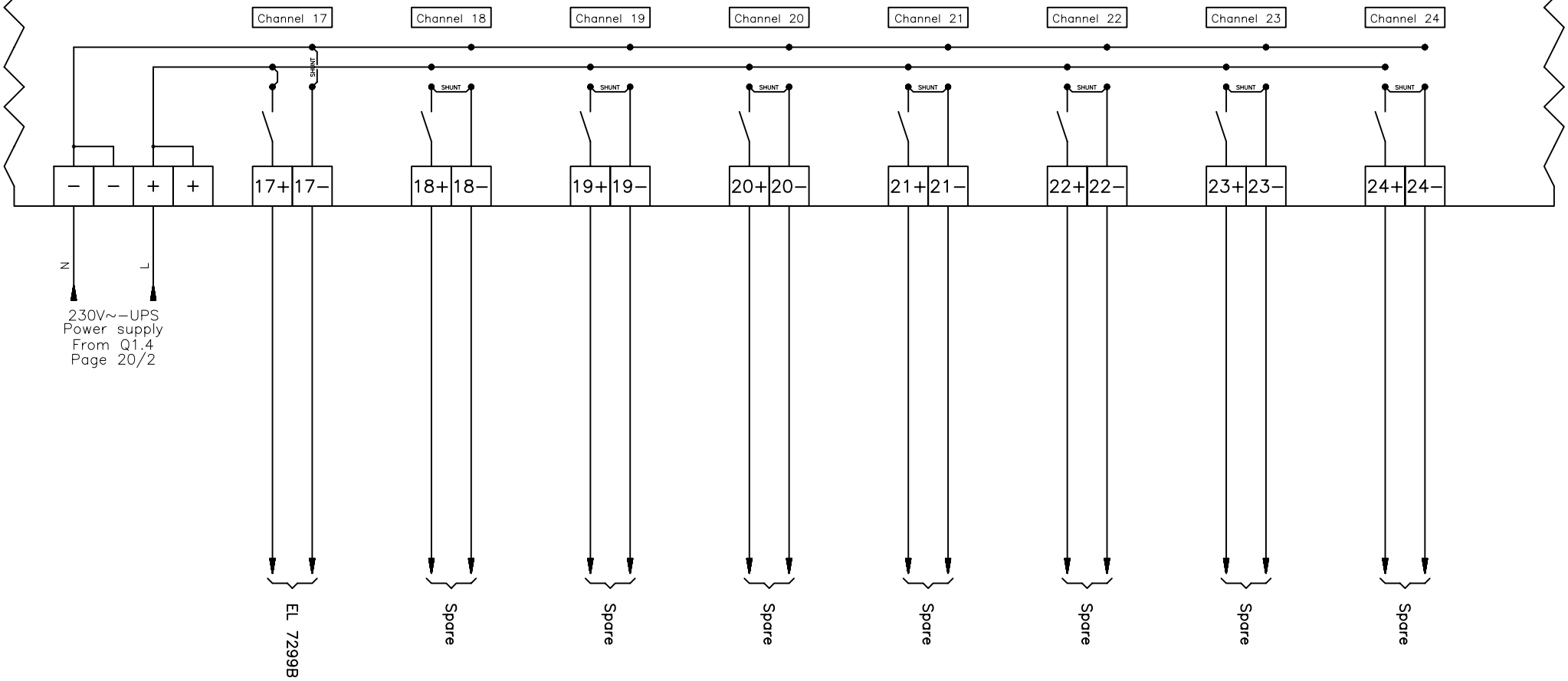
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	BOOSTER AIR SURPRESSOR			date	13–05–05					
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A1/1312 – P7058–46.DWG – © A.S.M. – ATELIER SEINE ET MARNE – BP25–77241 CESSON CEDEX–TEL.:(33) 1.64.79.60.40–FAX:(33) 1.60.63.57.49

- YOKOGAWA -

Part 3/4

Interface 32DO–MIL–R
Rack ANR01–04 – Slot 8



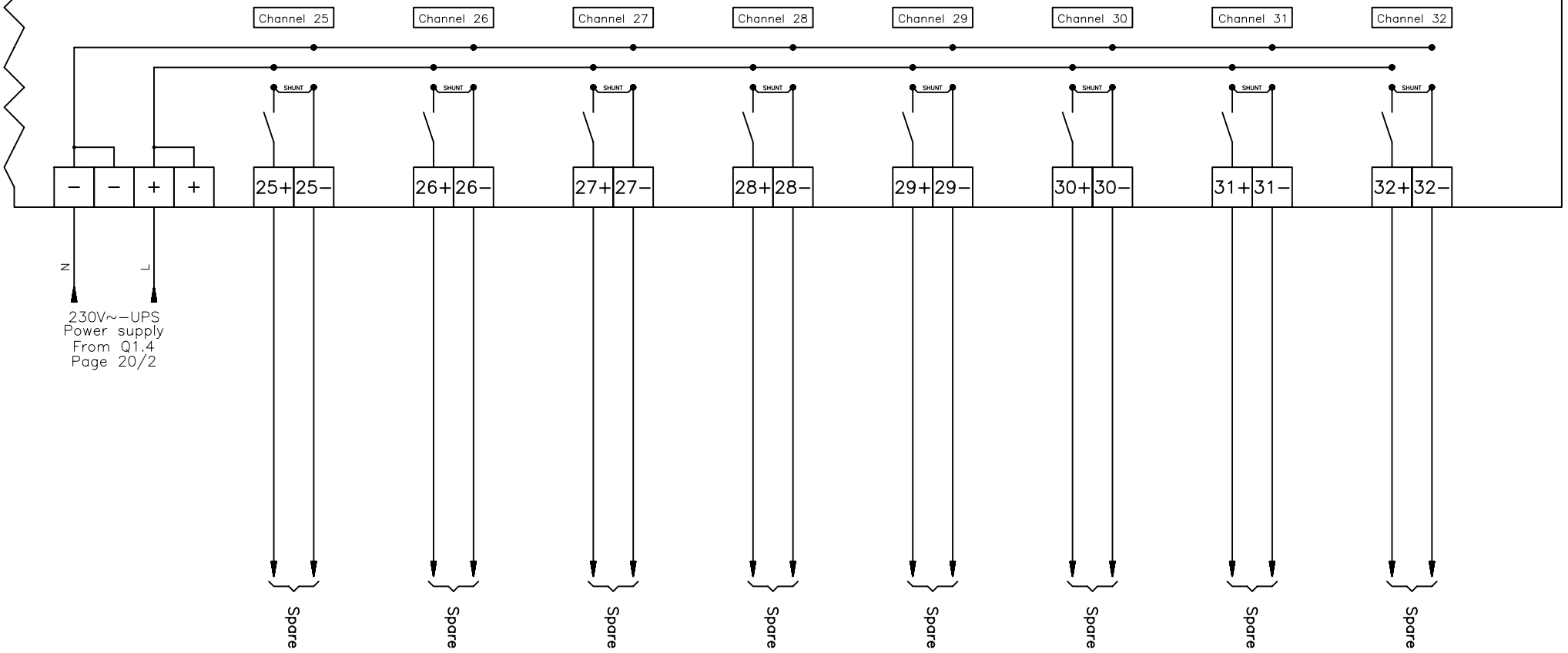
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A1/1312 – P7058–47.DWG – © A.S.M. – ATELIER SEINE ET MARNE – BP25–77241 CESSON CEDEX–TEL.:(33) 1.64.79.60.40–FAX:(33) 1.60.63.57.49

- YOKOGAWA -

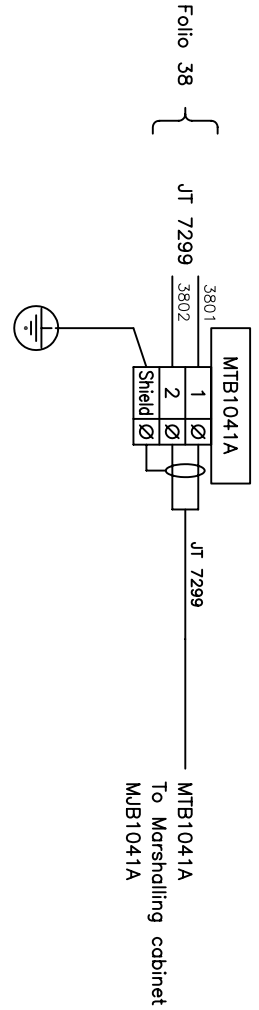
Part 4/4

Interface 32DO–MIL–R
Rack ANR01–04 – Slot 8



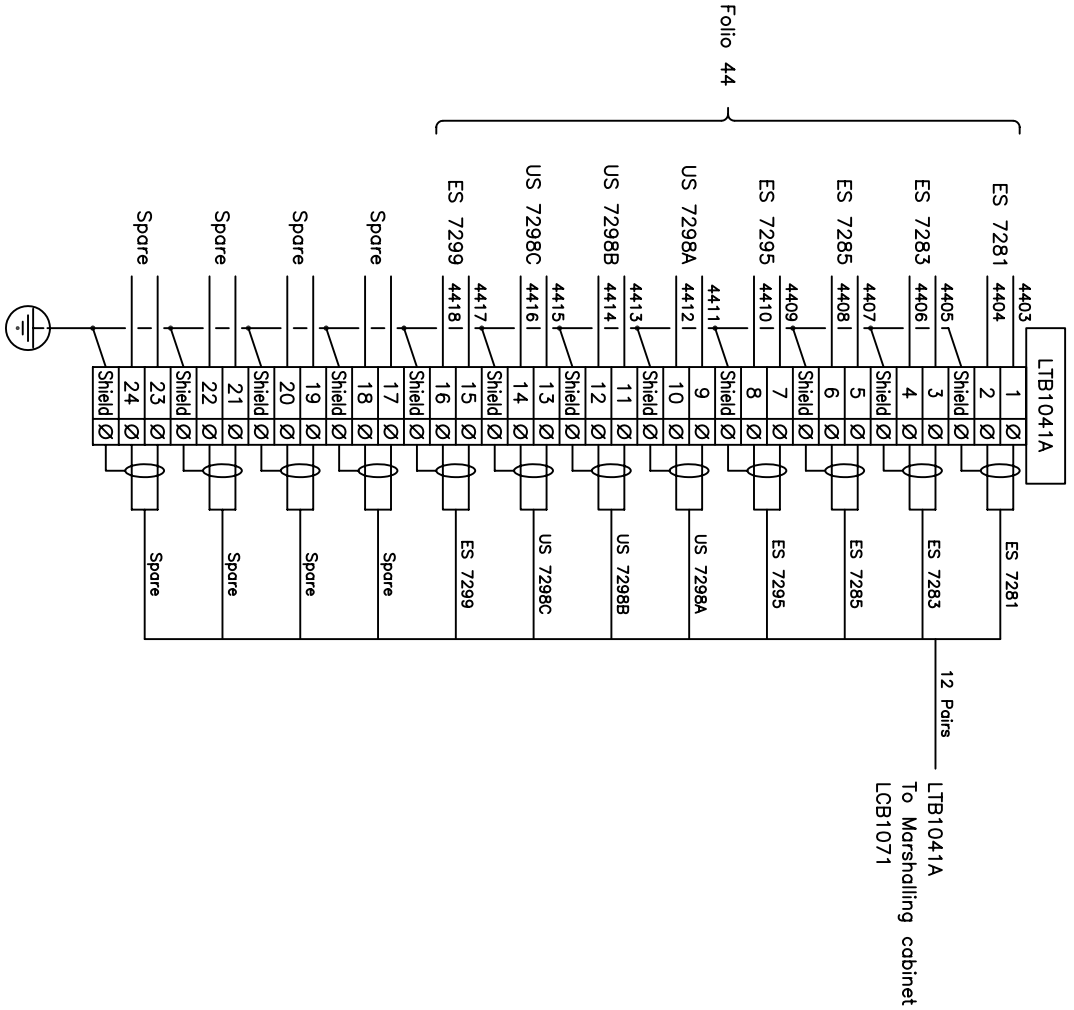
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	BOOSTER AIR SURPRESSOR			date	13–05–05		48 / 99
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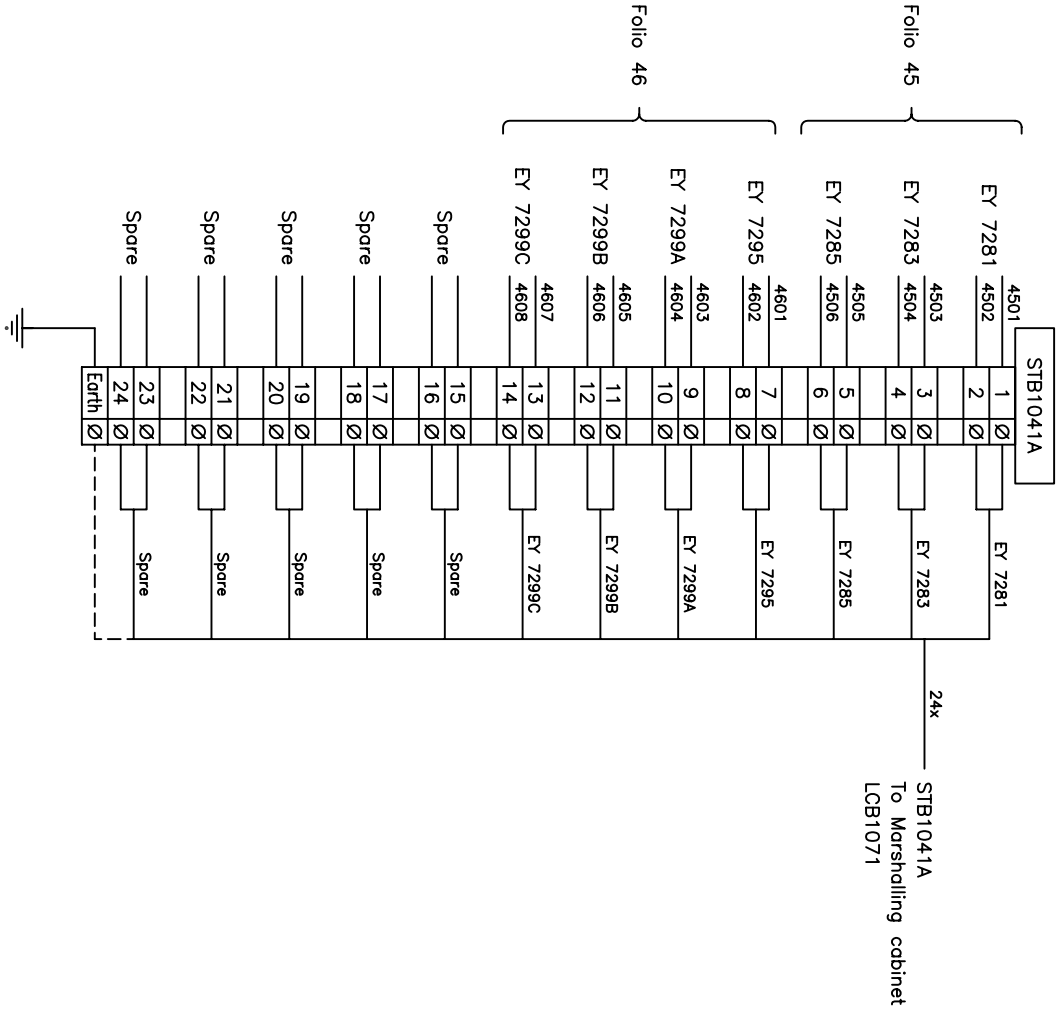
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				sign	F.M.					

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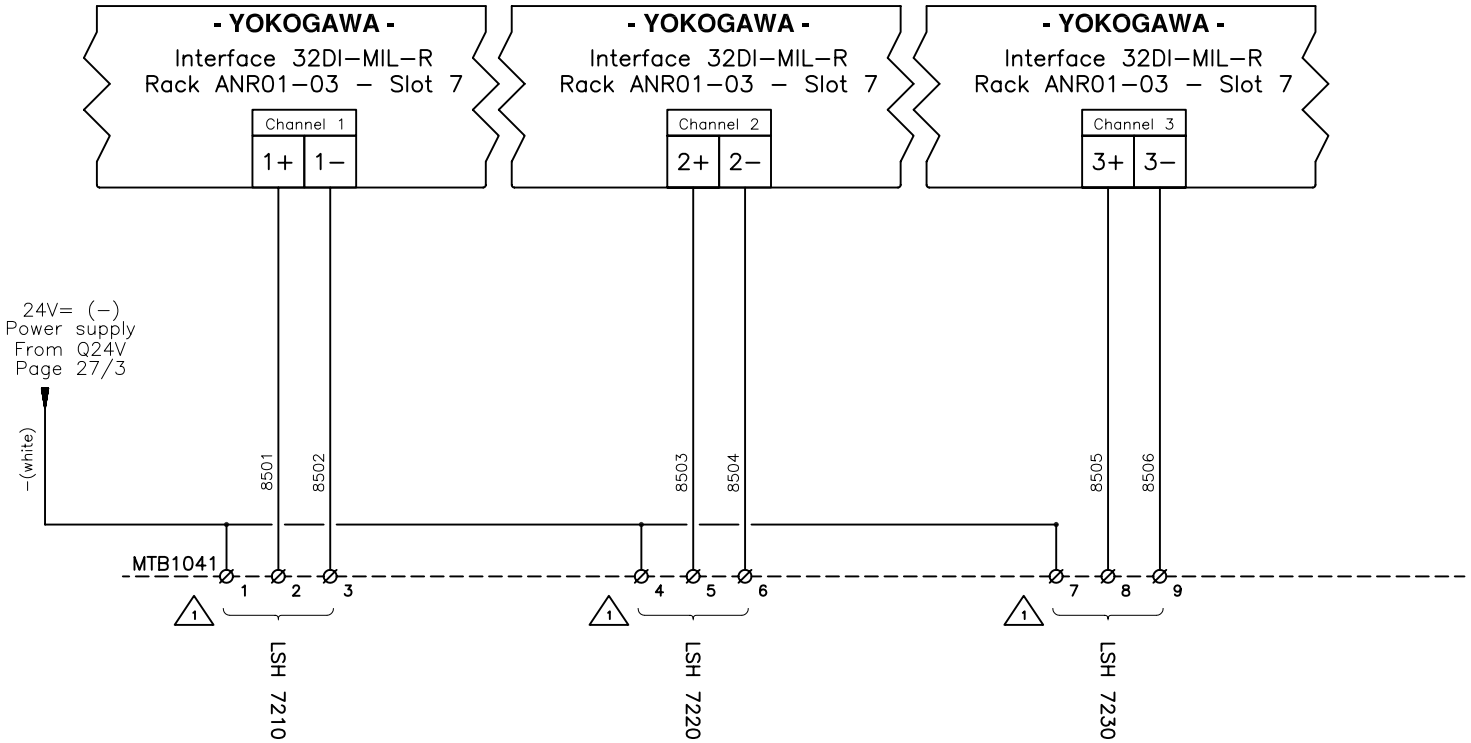
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	BOOSTER AIR SURPRESSOR			date	13–05–05					
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A1/1312 – P7058–82.DWG – © A.S.M. – ATELIER SEINE ET MARNE – BP25–77241 CESSON CEDEX–TEL.:(33) 1.64.79.60.40–FAX:(33) 1.60.63.57.49



câblage électrique asm	JOB Number 50–2852	DOCUMENT NUMBER	MODIN M1030	index	0		PAGE
	Designation ZAPORO	841–1041	DCS CABINET Y1041	date	13–05–05		83 / 99
AIR LIQUIDE INGENIERIE	BOOSTER AIR SURPRESSOR		Terminals blocks STB 1041A	name	S.P.		
				sign	F.M.		

A1/1312 – P7058–83.DWG – © A.S.M. – ATELIER SEINE ET MARNE – BP25–77241 CESSON CEDEX–TEL.:(33) 1.64.79.60.40–FAX:(33) 1.60.63.57.49



JOB Number / Designation: 50–2852 ZAPORO	DOCUMENT NUMBER: 841–1041	MODIN M1030 DCS CABINET Y1041 Terminals diagram Level Switch Mobrey –	index	0	1	PAGE
BOOSTER AIR SURPRESSOR			date	13–05–05	26–07–05	85/99
			name	S.P.	S.P.	
			sign	F.M.	F.M.	

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TAG	DESIGNATION	REFERENCE	FIRM	QTY	REMARKS
PANEL	Base frame, top frame and roof – Spacial 6000 enclosure kit – 2000x800x800	67088	SAREL	1	
	Set of 4 uprights	60020	SAREL	1	
	Set of 2 side panels	61048	SAREL	0	
	Plain doors	67228	SAREL	1	
	Screwed panel	67378	SAREL	0	
	Lock 1242E	63703	SAREL	1	
	Plinth 100mm	69088	SAREL	1	
	Kit of juxtaposition	64620	SAREL	0	

câblage électrique asm

AIR LIQUIDE INGENIERIE

JOB Number 50–2852
Designation ZAPORO

DOCUMENT NUMBER 841–1041

BOOSTER AIR SURPRESSOR

MODIN M1030
DCS CABINET Y1041
Equipment list

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sign	F.M.					

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TAG	DESIGNATION	REFERENCE	FIRM	QTY	REMARKS
Q1	Isolator type I 2x32A with red light	15101	MERLIN GERIN	1	
	Auxiliary contact NO/NC for Isolator I	15096	MERLIN GERIN	1	
Q1.1	Circuit breaker type C60N 2x10A – curve D	24586	MERLIN GERIN	1	
	Fault auxiliary contact for C60N	26927	MERLIN GERIN	1	
Q1.4	Circuit breaker type C60N 2x10A – curve C	24201	MERLIN GERIN	1	
	Fault auxiliary contact for C60N	26927	MERLIN GERIN	1	
Q1.2–Q1.3	Circuit breaker type C60N 2x4A – curve D	24583	MERLIN GERIN	2	
	Fault auxiliary contact for C60N	26927	MERLIN GERIN	2	
Q24V	Circuit breaker type C60N 1x10A – curve C	24175	MERLIN GERIN	1	
	Fault auxiliary contact for C60N	26927	MERLIN GERIN	1	
KPS01/02	Relay type RS30–NV – 1RT – 24V=	944401	WEIDMULLER	2	
PS01–PS02	Power supply 230V~/24V= – 240W	ABL–7RE2410	TELEMECANIQUE	2	
Diode	Power diode type SKN26/04 – 20A	113 0376	RS COMPOSANTS	2	
PTB/LTB/MTB/STB	Terminals 4mm2	39061	LEGRAND	–	

câblage électrique asm

AIR LIQUIDE INGENIERIE

JOB Number 50–2852
Designation ZAPORO

DOCUMENT NUMBER 841–1041

BOOSTER AIR SURPRESSOR

MODIN M1030
DCS CABINET Y1041
Equipment list

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sign	F.M.					

A1/1312 – P7058–97.DWG – © A.S.M. – ATELIER SEINE ET MARNE – BP25–77241 CESSON CEDEX–TEL:(33) 1.64.79.60.40–FAX:(33) 1.60.63.57.49

TAG	DESIGNATION	REFERENCE	FIRM	QTY	REMARKS
X1	Fuse terminal type SAK	39086	LEGRAND	16	
	Glass fuse 6.3A – 5x20 – For fuse terminal	102 63	LEGRAND	16	
Rack ANR01–04	Centum CS3000 – Model ANR10*	*	YOKOGAWA	1	Supply by customer
	Card AAI835 4 channel input/4channel output, isolated channels	AAI835	YOKOGAWA	1	Supply by customer
	Cable MIL 40 Pts	51023537	WAGO	1	Supply by customer
	Interface module 4AI/4AO	4AI/4AO–MIL–R–SW	YOKOGAWA	1	Supply by customer
	Card AAI135 8 channel input, isolated channels	AAI135	YOKOGAWA	3	Supply by customer
	Cable MIL 40 Pts	51023537	WAGO	3	Supply by customer
	Interface module 8AI	8AI–MIL–R–SW	YOKOGAWA	3	Supply by customer
	Card AAR145 16 channel RTD, isolated channels	AAR145	YOKOGAWA	2	Supply by customer
	Cable MIL 50 Pts	51023538	WAGO	2	Supply by customer
	Interface module 16RTD	16RTD–KS–R	YOKOGAWA	2	Supply by customer
	Card ADV151 32 digital input	ADV151	YOKOGAWA	1	Supply by customer
	Cable MIL 50 Pts	51023538	WAGO	1	Supply by customer
	Interface module 32DI	32DI–MIL–R	YOKOGAWA	1	Supply by customer
	Card ADV551 32 digital output	ADV551	YOKOGAWA	1	Supply by customer
	Cable MIL 50 Pts	51023538	WAGO	1	Supply by customer
	Interface module 32DO	32DO–MIL–R	YOKOGAWA	1	Supply by customer

câblage électrique asm

AIR LIQUIDE INGENIERIE

JOB Number 50–2852
Designation ZAPORO

DOCUMENT NUMBER 841–1041

BOOSTER AIR SURPRESSOR

MODIN M1030
DCS CABINET Y1041
Equipment list

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sign	F.M.					

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