BASE LOAD POWER HUB (BLPH)

B-200 HVAC and LIGHTING PANEL WIRING DRAWING and GENERAL ARRANGEMENT (INC INTERCONNECTING) - E&I SHELTERS

B200-HSB-001

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
05	24/01/25				ACCEPT FOR CONSTRUCTION (AFC)
04	10/12/24				ACCEPT FOR CONSTRUCTION (AFC)
03	06/07/24				ISSUE FOR REVIEW (IFR)
02	13/06/24				ISSUE FOR REVIEW (IFR)
01	15/04/24				ISSUE FOR REVIEW (IFR)
00	15/04/24				ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
WIRING DIAGRAM
FRONT PAGE

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000049-HV-DA-0027

SHEET 001

REV. 05

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	24/01/25	
04	ACCEPT FOR CONSTRUCTION	10/10/24	
03	ISSUE FOR APPROVAL	06/07/24	

DATA	15/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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tel. 0039–0371–69076
frigotermica@frigotermica.com

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
COVER

ROSETTI MARINO ALEXSISTEMI

1724000049-HV-DA-00027

FG. 1

F.S. 2

LISTA FOGLI \ INDEX

Foglio Sheet	Descrizione Description	Revisioni Revisions								
		1	2	3	4	5	6	7	8	9
1	COVER	X	X	X	X	X				
2	INDEX	X	X	X	X	X				
3	SIMBOL LIST	X	X	X	X	X				
4	EXTERNAL VIEW	X	X	X	X	X				
5	INTERNAL VIEW	X	X	X	X	X				
6	POWER SECTION	X	X	X	X	X				
6A	POWER SECTION	X	X	X	X	X				
6B	POWER SECTION	X	X	X	X	X				
7	POWER SECTION	X	X	X	X	X				
8	POWER SECTION	X	X	X	X	X				
9	POWER SECTION	X	X	X	X	X				
9A	POWER SECTION	X	X	X	X	X				
10	AUX SECTION	X	X	X	X	X				
11	AUX SECTION	X	X	X	X	X				
11A	AUX SECTION	X	X	X	X	X				
12	AUX SECTION	X	X	X	X	X				
13	AUX SECTION	X	X	X	X	X				
14	AUX SECTION	X	X	X	X	X				
15	AUX SECTION	X	X	X	X	X				
16	AUX SECTION	X	X	X	X	X				
17	AUX SECTION	X	X	X	X	X				
18	AUX SECTION	X	X	X	X	X				
19	AUX SECTION	X	X	X	X	X				
20	AUX SECTION	X	X	X	X	X				
20A	AUX SECTION	X	X	X	X	X				
20B	AUX SECTION	X	X	X	X	X				
20C	PLC ARCHITECTURE	X	X	X	X	X				
20D	PLC ARCHITECTURE	X	X	X	X	X				

Foglio Sheet	Descrizione Description	Revisioni Revisions								
		1	2	3	4	5	6	7	8	9
21	ELECTRICAL HEATER MODULATION	X	X	X	X	X				
22	ELECTRICAL HEATER MODULATION	X	X	X	X	X				
23	AVAILABLE SIGNAL	X	X	X	X	X				
24	TERMINAL STRIP	X	X	X	X	X				
25	TERMINAL STRIP	X	X	X	X	X				
26	MATERIAL LIST	X	X	X	X	X				
27	MATERIAL LIST	X	X	X	X	X				
28	MATERIAL LIST	X	X	X	X	X				
29	MATERIAL LIST	X	X	X	X	X				
30	MATERIAL LIST	X	X	X	X	X				
31	MATERIAL LIST	X	X	X	X	X				

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

INDEX

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 2
F.S. 3

Symbol	Description	Symbol	Description	Symbol	Description
TR	VOLTAGE TRANSFORMER		SONIC INDICATOR	F.	FUSE
TA	CURRENT TRANSFORMER	*	INDICATOR INSTRUMENT		CONTACT N.O.
M ~	MOTOR IN C.A.		SELECTOR SWITCH		CONTACT N.C.
	GROUND : GENERAL SYMBOL	52.	SWITCH		COMMUTATION CONTACT
L..	SIGNAL LAMP	52.	AUTOMATIC CIRCUIT BREAKER	P	CONTACT ACTUATED BY A PRESSURE
L..	SIGNAL LAMP + HEATER	52. Id	DIFFERENTIAL AUTOMATIC BREAKER		CONTACT ACTUATED BY A FLOW
L..	SIGNAL LAMP + VOLTAGE TRANSF.	89.	DISCONNECTING SWITCH		CONTACT ACTUATED BY A LEVEL
	SIGNAL LAMP–PUSH BUTTON	89.	LOADED CIRCUIT BREAKER	θ	CONTACT ACTUATED BY A TEMPERATURE
	CLOSING BUTTON	89.	FUSE DISCONNECTING SWITCH	2 3 4	TERMINAL STRIP
	OPENING BUTTON	6.	CONTACTOR		SQUARE POWER TERMINAL CLAMP
	ROTARY SWITCH	6..	CONTACTOR COIL		SQUARE AUX. TERMINAL CLAMP
T..	CONTACT DELAYED TO THE ATTRACTION N.O.		AUXILIARY RELAY COIL		REMOTE TERMINAL CLAMP
T..	CONTACT DELAYED TO THE ATTRACTION N.C.	T..	TIMER WITH DELAY TO THE ATTRACTION		ONE–PHASE SYSTEM + NEUTRAL
T..	CONTACT DELAYED TO THE RE–DROP N.O.	T..	TIMER WITH DELAY TO THE RE–DROP		THREE–PHASE SYSTEM
T..	CONTACT DELAYED TO THE RE–DROP N.C.	49..	THERMAL RELAY		THREE–PHASE SYSTEM + NEUTRAL
79.	LIMIT SWITCH N.O.		HEATING ELEMENT		
79.	LIMIT SWITCH N.C.		ELECTROVALVE		

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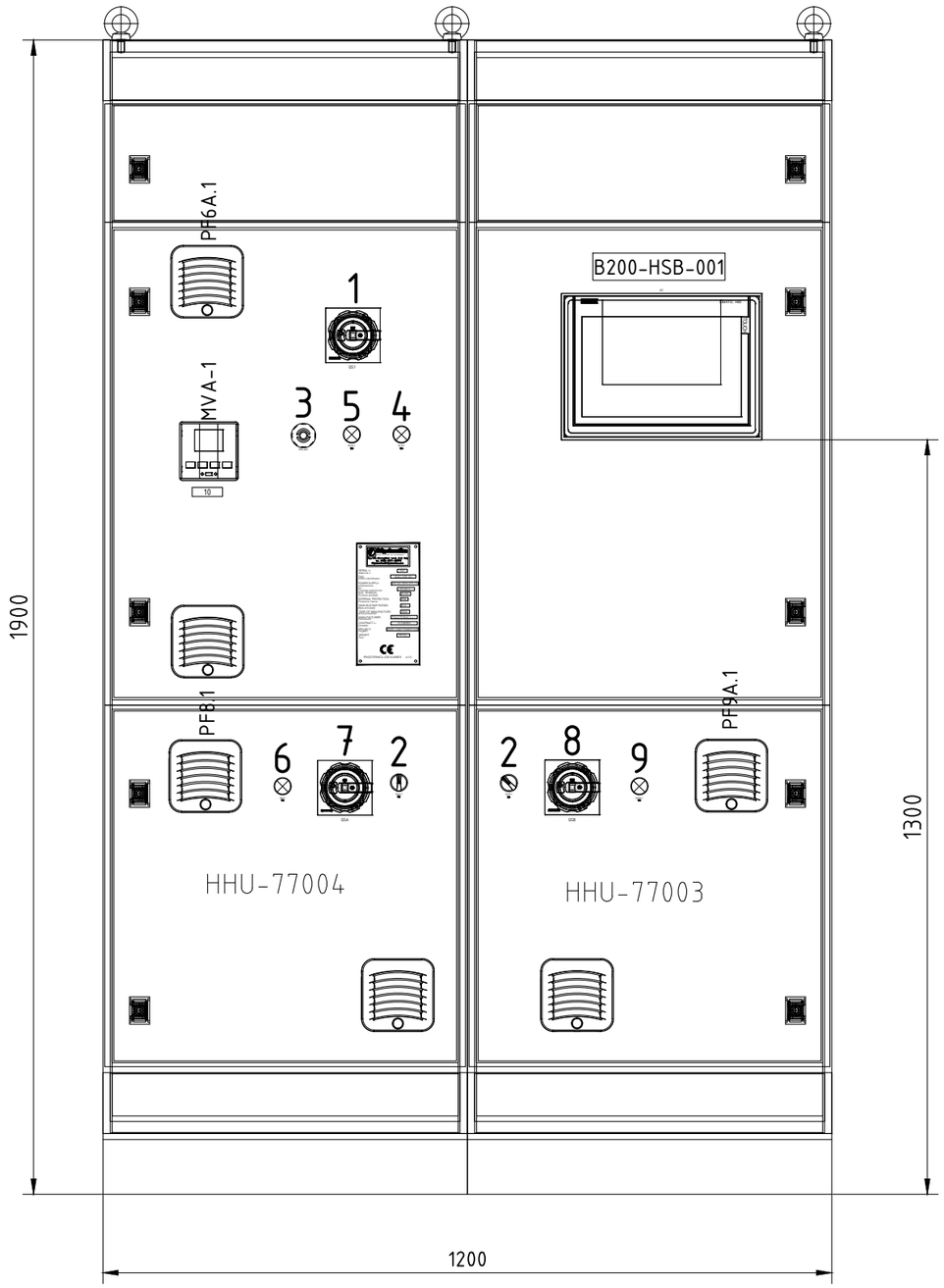
BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
SIMBOL LIST

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 3
F.S. 4

EXTERNAL VIEW



LABEL	
1	MAIN SWITCH
2	AUTO-0-MANUAL
3	HPB-003
4	24VDC VOLTAGEPRESENCE
5	230V VOLTAGE PRESENCE
6	230V VOLTAGE PRESENCE
7	HHU-77004 MAIN SWITH
8	HHU-77003 MAIN SWITH
9	230V VOLTAGE PRESENCE
10	MULTIMETER

CABINET QUOTE:
LENGHT 1200 mm
HEIGHT 1900 mm
DEPT 600mm

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SERIAL n.: *Matricola n.:*	1627
TAG: *Codice identificativo:*	B200-HSB-001
POWER SUPPLY: *Alimenatzione:*	400 Vac 50Hz 3Ph+N
Icc: *Coorente cortocircuito:*	25 kA/1s
AUX. TENSION: *Tensione ausiliaria:*	24 Vdc
INTERNAL PROTECTION: *Protezione interna:*	IP54
MAIN BUS BAR RATING: *Barra principale:*	40 A
YEAR OF MANUFACTURE: *Anno produzione:*	2024
MANUFACTURER: *Costruzione:*	FRIGOTERMICA s.r.l.
CONTRACT n.: *Contratto:*	51/240554
PROJECT: *Progetto:*	BASE LOAD POWER HUB
WEIGHT: *Peso:*	700 Kg

CE

FRIGOTERMICA JOB NUMBER: 4112

SCALA 1:10

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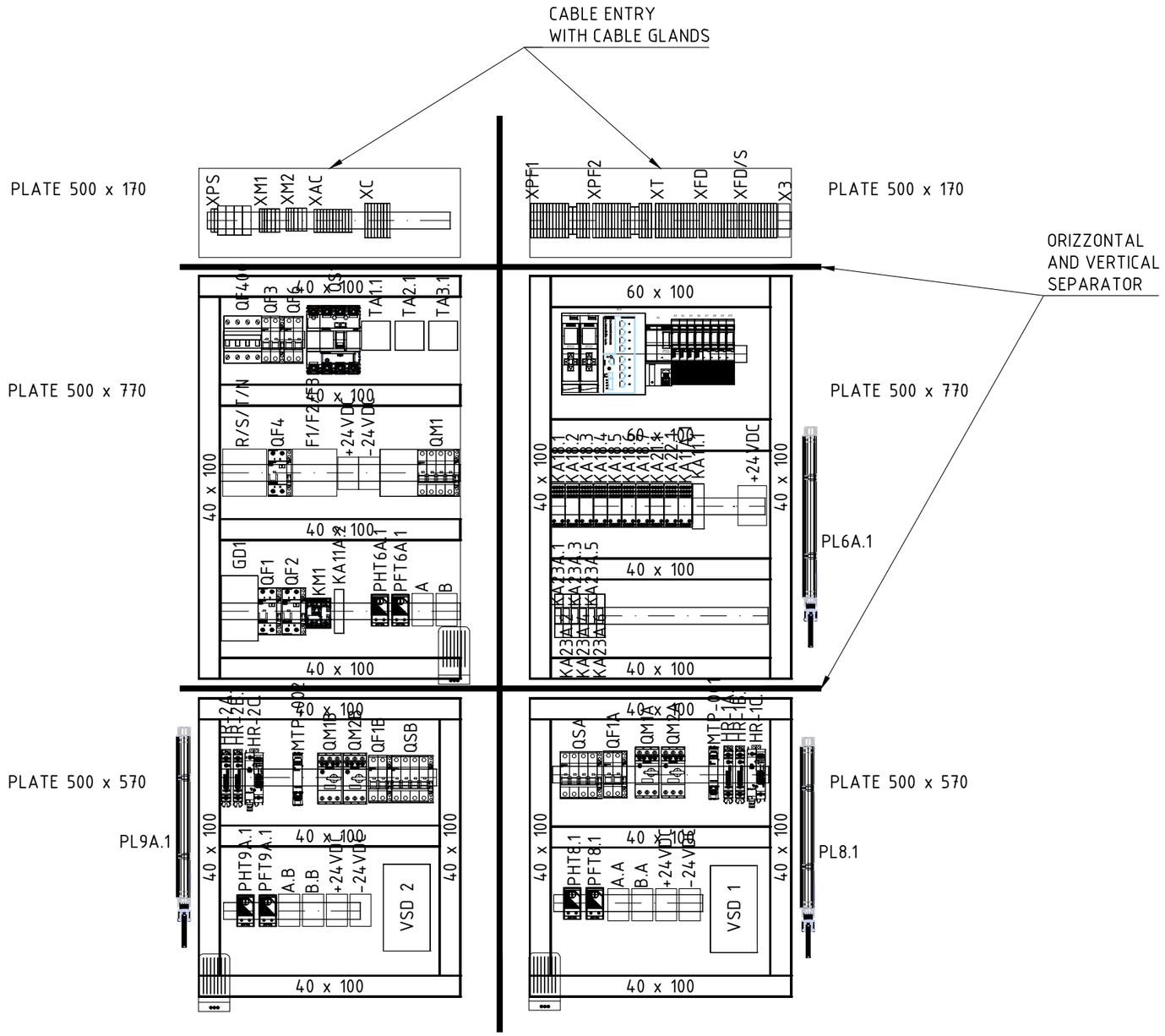
BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
EXTERNAL VIEW

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FG. 4
F.S. 5

INTERNAL VIEW



SCALA 1:10

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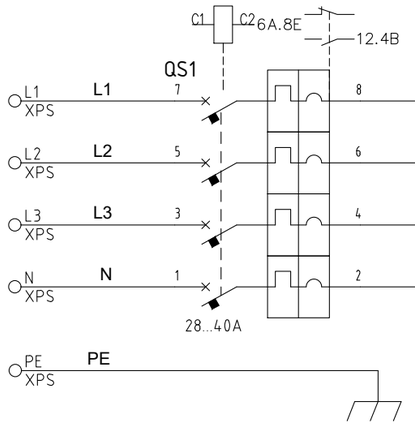
BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
INTERNAL VIEW

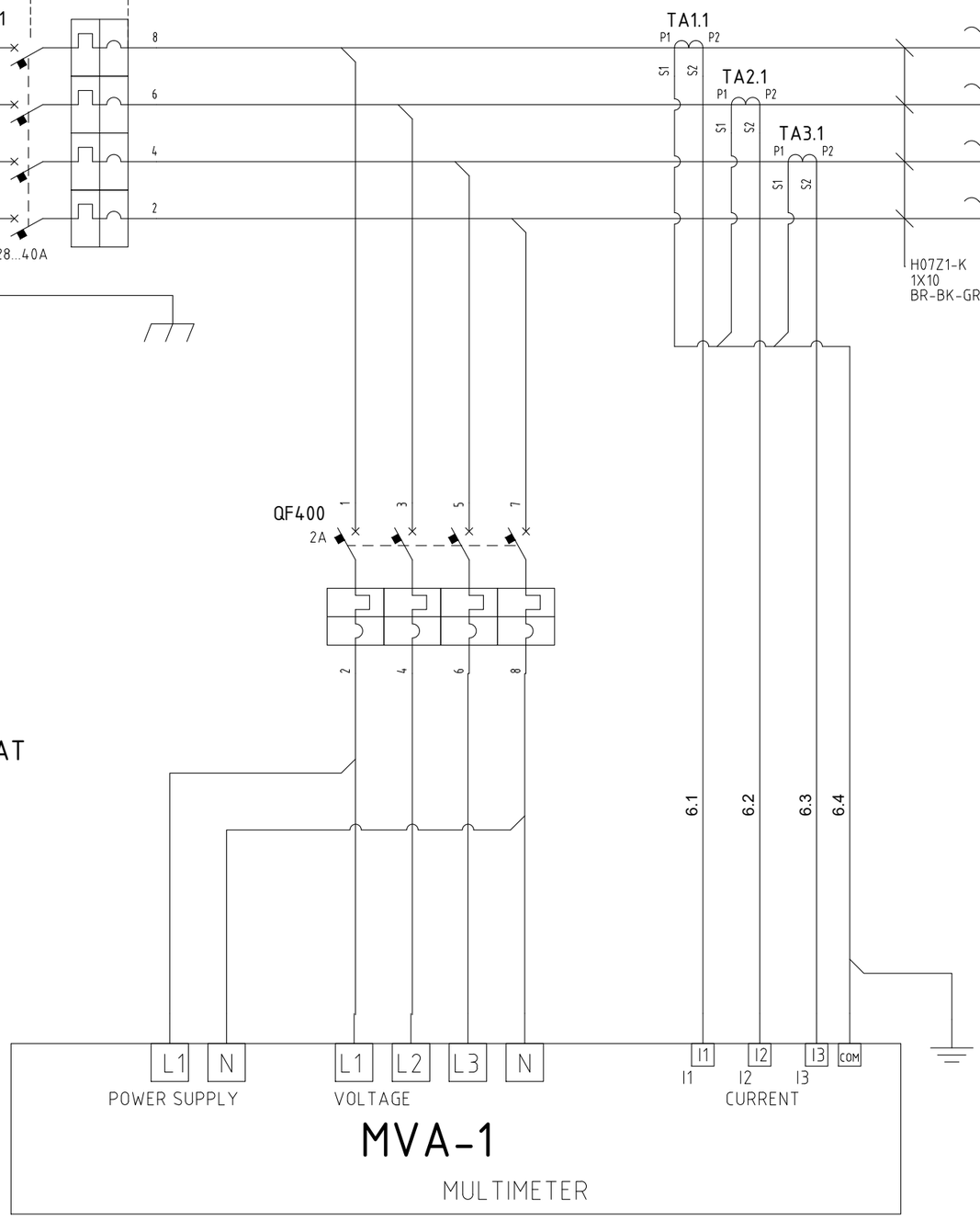
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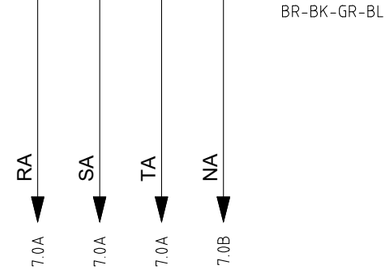
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F.G. 5
F.S. 6

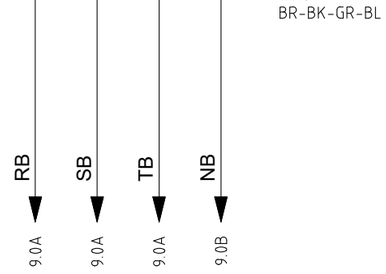
POWER SUPPLY
FROM
LV SWITCHGEAR
3PH + N + PE
400V 50Hz
TAG SG-200N1
5G25







HHU-77003
UNIT



HHU-77004
UNIT

RATED POWER: 15.05 kW
RATED CURRENT: 27.46 A

ONLY UNIT HHU-77003 OR
HHU-77004 ACTIVATED, NEVER AT
SAME TIME

COLOR IDENTIFICATION:
COLORED CABLE OR IDENTIFIED WITH
HEAT SHRINK COLOURED SLEEVE 5cm

400V 3P + N
- ⟶ BROWN
- ⟶ BLACK
- ⟶ GRAY
- ⟶ BLU

230V 1P + N
- ⟶ BROWN
- ⟶ BLU

24Vdc
- ⟶ RED
- ⟶ BLACK

PANEL INTERNAL CABLES TYPE: H07Z1-K OR FG17
UNIT INTERNAL CABLES TYPE: FG16OM16 GREEN SHEATH NOT ARMOURED

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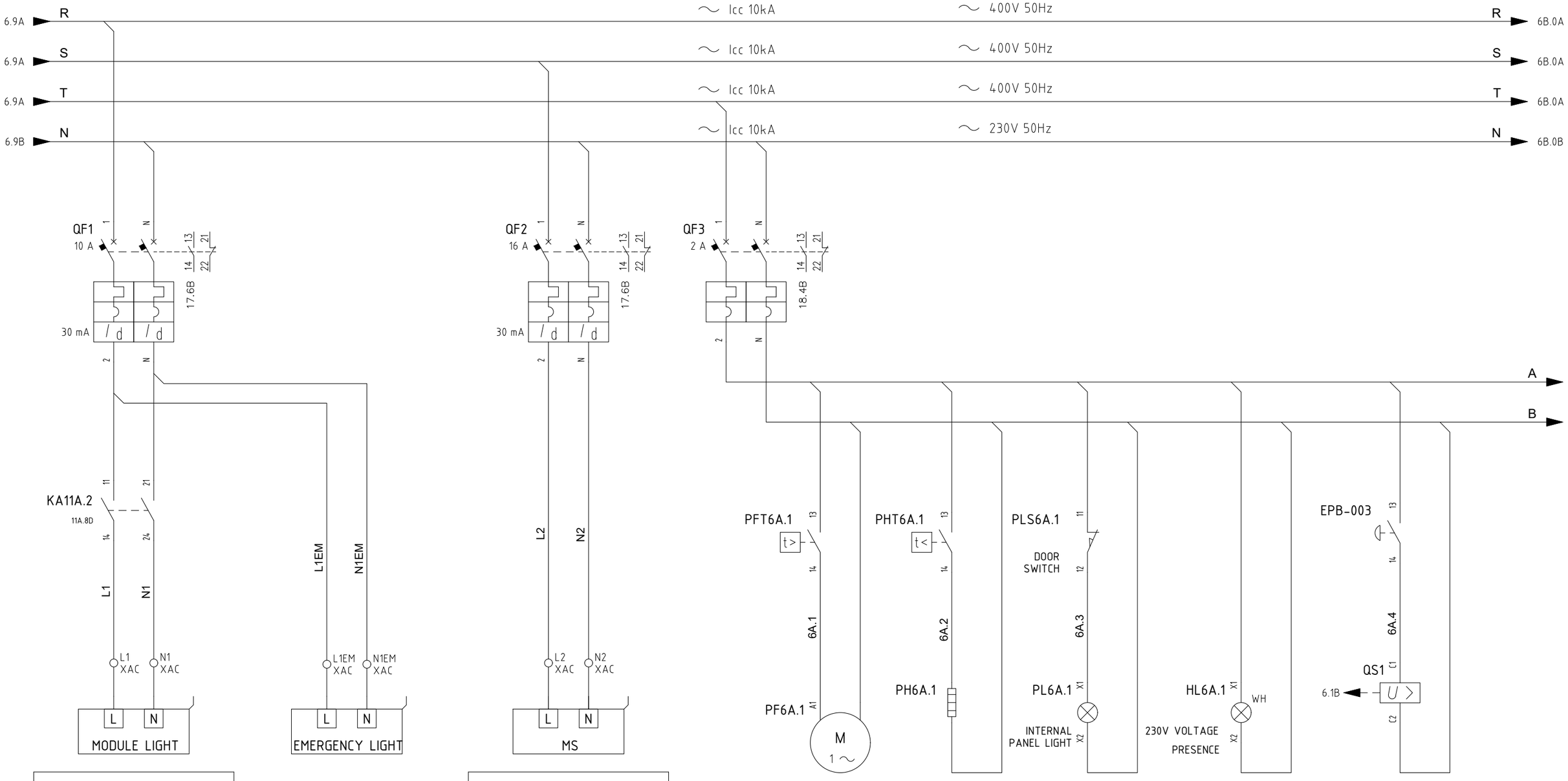
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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
POWER SECTION

ROSETTI MARINO | ALEXSISTEMI spa

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FG. 6
F.S. 6A



MODULE INTERNAL LIGHT	
RATED	ABSORBED
1 kW	0.9
4.35 A	3.9 A

MODULE INTERNAL SOCKET	
RATED	ABSORBED
2 kW	1.8 kW
8.7 A	7.83 A

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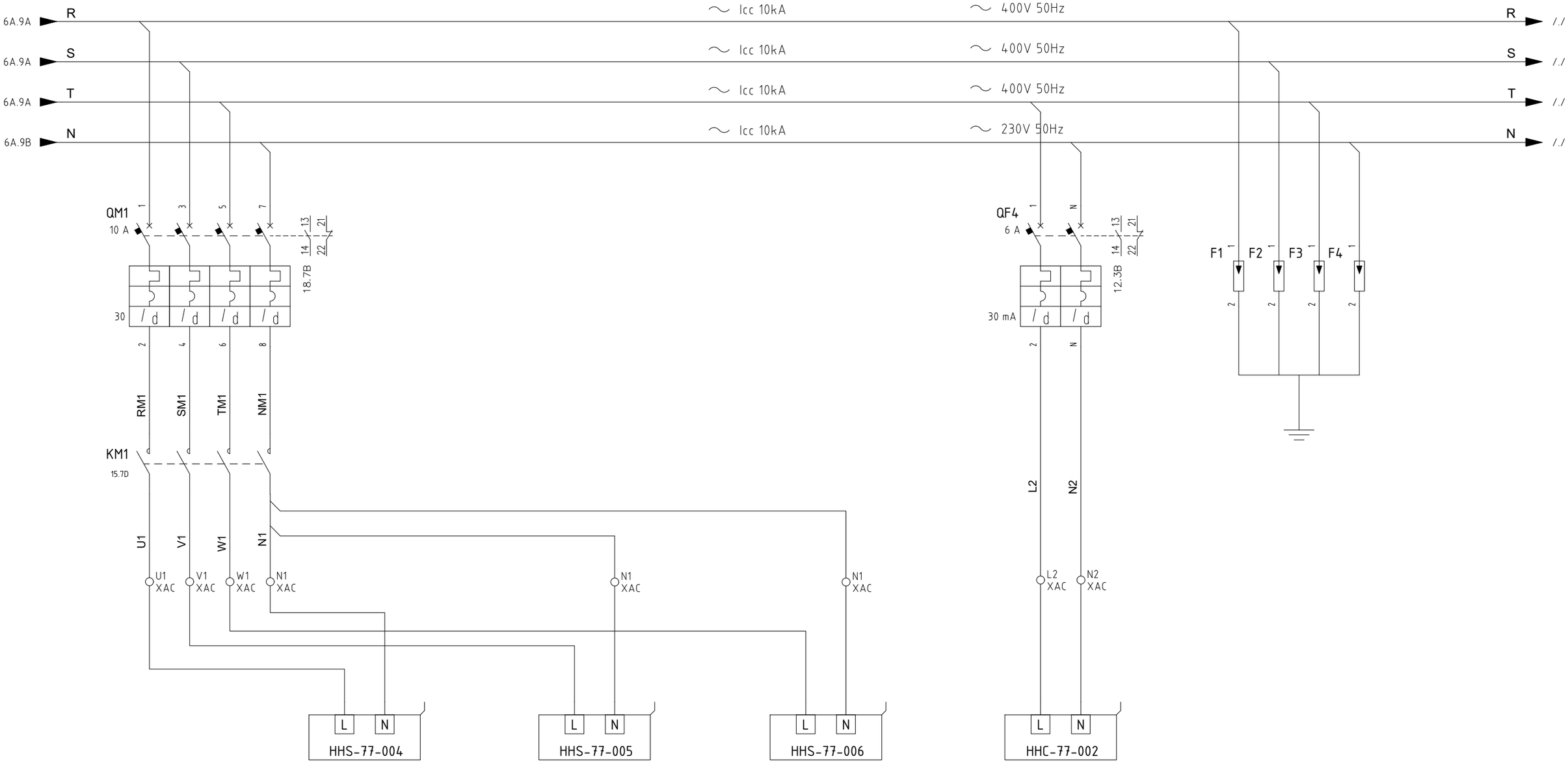
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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
POWER SECTION

ROSETTI MARINO | ALEXSISTEMI spa

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F.G. 6A
F.S. 6B



HSS-77-004	
ELECTRICAL HEATER	
RATED	ABSORBED
2 kW	2 kW
8.7 A	8.7 A

HSS-77-005	
ELECTRICAL HEATER	
RATED	ABSORBED
2 kW	2 kW
8.7 A	8.7 A

HSS-77-006	
ELECTRICAL HEATER	
RATED	ABSORBED
2 kW	2 kW
8.7 A	8.7 A

HHC-77-002	
HEATING CABLE	
RATED	ABSORBED
0,2 kW	0.2 kW
1 A	1 A

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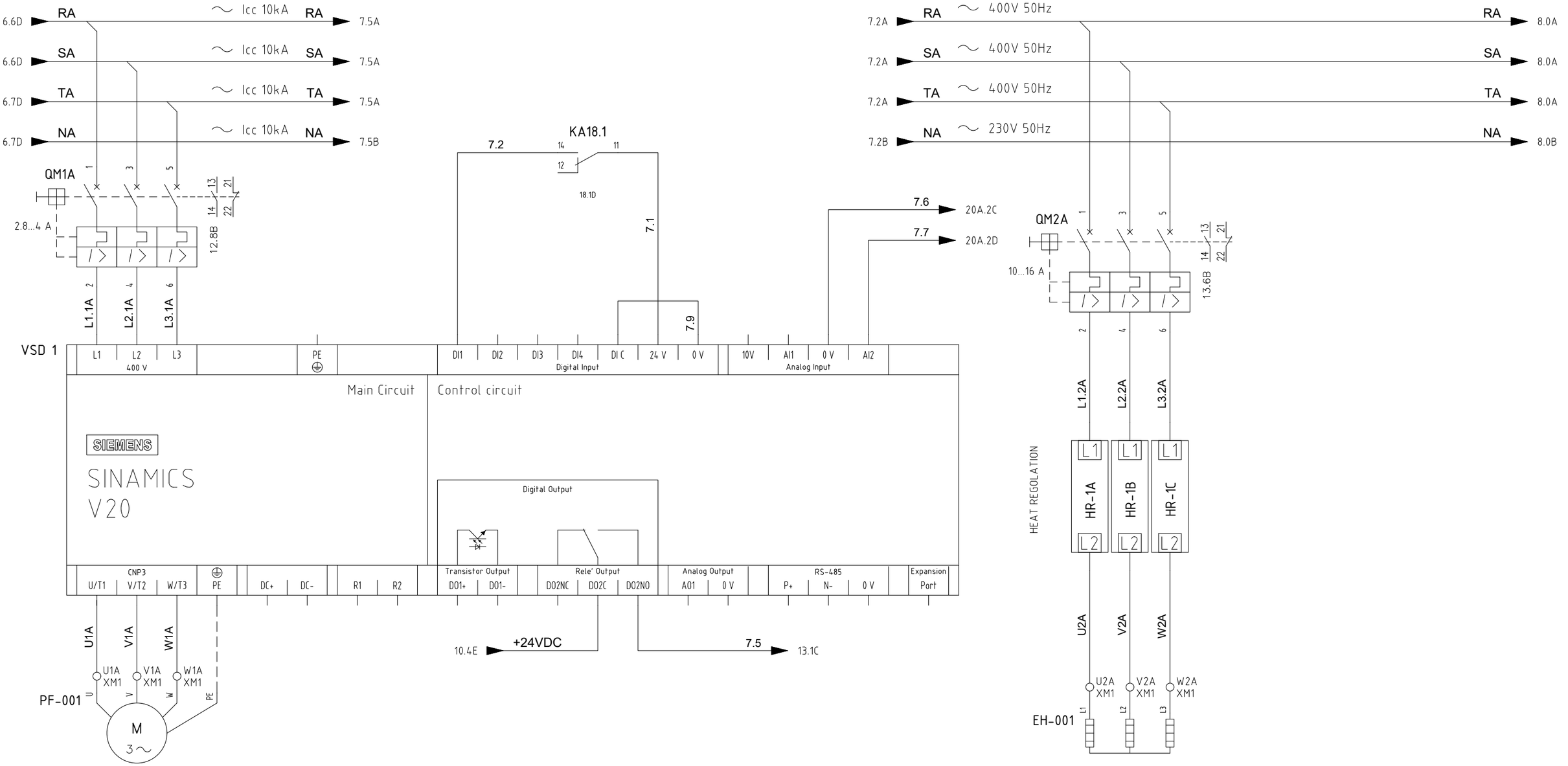
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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
POWER SECTION

ROSETTI MARINO | ALEXSISTEMI spa

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FG. 6B
F.S. 7



HFM-77-201	
PRESSURIZING FAN 1	
RATED	ABSORBED
1.1 kW	1 kW
2.3 A	2 A

HSS-77-201	
ELECTRICA HEATER	
RATED	ABSORBED
10 kW	10 kW
14.5 A	14.5 A

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B-200 LV SWITCH ROOM
POWER SECTION

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FG. 7
F.S. 8

7.9A RA ~ Icc 10kA ~ 400V 50Hz RA /./

7.9A SA ~ Icc 10kA ~ 400V 50Hz SA /./

7.9A TA ~ Icc 10kA ~ 400V 50Hz TA 21.4F

7.9B NA ~ Icc 10kA ~ 230V 50Hz NA /./

QF1A
2 A
1 N 13 21
2 N 14 22
18.3B

A.A

B.A

PFT8.1 13 t> 14 8.1 PF8.1 A1 M 1 ~

PHT8.1 13 t< 14 8.2 PH8.1

PLS8.1 11 DOOR SWITCH 12 8.3 PL8.1 X1 INTERNAL PANEL LIGHT X2

HL8.1 X1 WH 230V VOLTAGE PRESENCE X2

KA18.5 18.4D 12 14 11 206 XPF1 HSS-77-203 207 XPF1

KA18.4 18.4D 11 14 12 8.6 212 XPF1 213 XPF1 HDZ-77-201 A1 M 1 ~

PF-001
MOTOR HEATER

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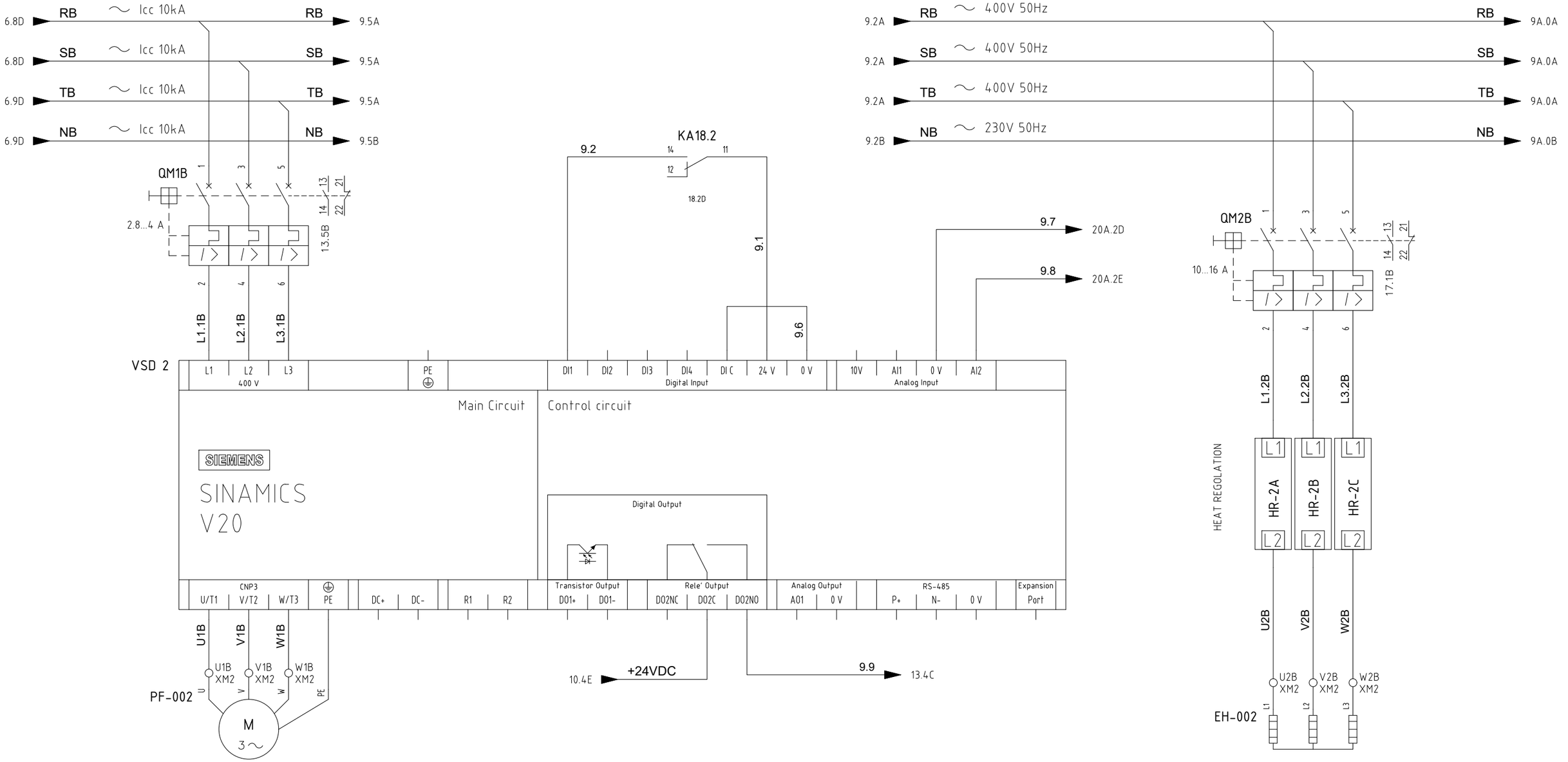
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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
POWER SECTION

ROSETTI MARINO ALEXSISTEMI spa

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F.G. 8
F.S. 9



HFM-77-202	
PRESSURIZING FAN 2	
RATED	ABSORBED
1.1 kW	1 kW
2.3 A	2 A

HSS-77-202	
ELECTRICAL HEATER	
RATED	ABSORBED
10 kW	10 kW
14.5 A	14.5 A

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FG. 9
F.S. 9A

9.9A RB ~ Icc 10kA ~ 400V 50Hz RB /./

9.9A SB ~ Icc 10kA ~ 400V 50Hz SB /./

9.9A TB ~ Icc 10kA ~ 400V 50Hz TB 22.4F

9.9B NB ~ Icc 10kA ~ 230V 50Hz NB /./

QF1B
2 A
17.3B
1 N 13 21
2 N 14 22

A.B

B.B

PFT9A.1 13 t> 14 8.1 PF9A.1 A1 M 1 ~

PHT9A.1 13 t< 14 8.2 PH9.1

PLS9A.1 11 DOOR SWITCH 12 8.3 PL9A.1 X1 X2

HL9A.1 X1 WH X2 230V VOLTAGE PRESENCE

KA18.6 18.5D 12 14 11 306 XPF2 HSS-77-204 307 XPF2

KA18.7 18.7D 11 14 12 9A.7 312 XPF2 313 XPF2 HDZ-77-202 A1 M 1 ~

PF-002
MOTOR HEATER

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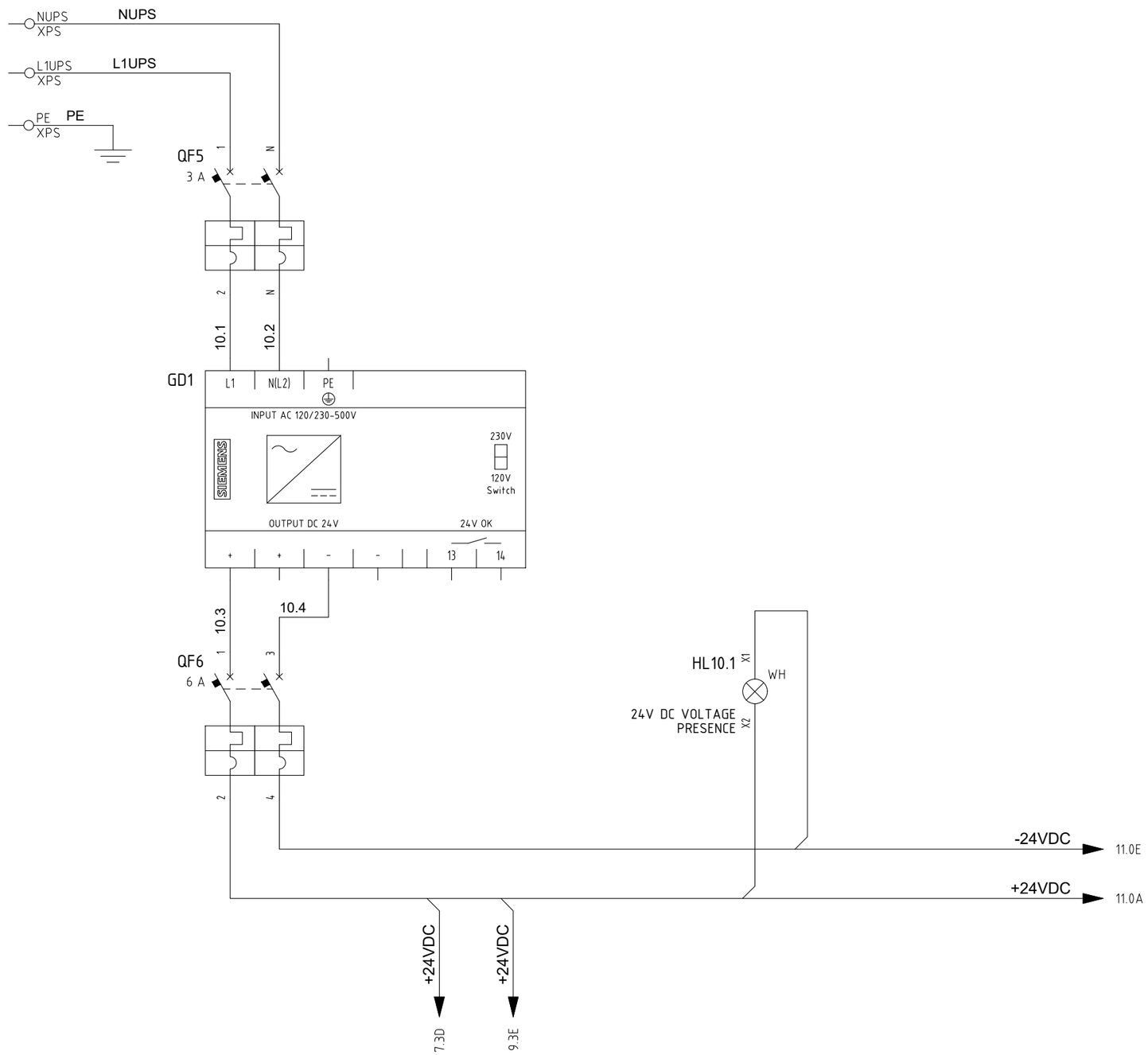
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FG. 9A
F.S. 10

UPS POWER SUPPLY
FROM AC UPS-PAS DB
1PH + N + PE 230V
50Hz
TAG DP-200F3
3G4

RATED POWER: 0.7 kW
RATED CURRENT: 3 A

ABSORBED POWER: 0.5 kW
ABSORBED CURRENT: 2 A



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CLIENT:
CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
AUX SECTION

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00027

F.G. 10
F.S. 11

SHUT DOWN
FROM
CUSTOMER SIS

PF-001
PRESSURIZING FAN
THERMIC PROTECTION
PTC-001

PF-002
PRESSURIZING FAN
THERMIC PROTECTION
PTC-002

10.7E +24VDC

+24VDC 11A.0A

24V DC
FROM SIS
B400-SIS-0901
1= OK
0= SHUT
DOWN

100 XC

101 XC

KA11.1 A1 A2

14.4B 11 12 14 21 22 24 31 32 34 41 42 44

A1/11

MTP-001

SIEMENS

MOTOR THERMIC PROTECTION

TRIPPED

T1 T2 A2 NC 12 NO 14

11.3 11.4

200 XPF1 201 XPF1

11.5 12.5B

MTP-002

SIEMENS

MOTOR THERMIC PROTECTION

TRIPPED

T1 T2 A2 NC 12 NO 14

11.6 11.7

300 XPF2 301 XPF2

11.8 13.2C

10.7E -24VDC

-24VDC 11A.0E

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	24/01/25	
04	ACCEPT FOR CONSTRUCTION	10/10/24	
03	ISSUE FOR APPROVAL	06/07/24	

DATA	15/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

AUX SECTION

ROSETTI MARINO ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 11
F.S. 11A

HPB-77-201
EMERGENCY POWER
BUTTON
HHU-77003

HPB-77-202
EMERGENCY POWER
BUTTON
HHU-77004

LIGHT COMMAND

11.9A +24VDC

+24VDC 12.0A

202 XPF1

HPB-77-201 11 12

203 XPF1

302 XPF2

HPB-77-202 11 12

303 XPF2

104 XC

106 XC

LIGHT
PUSH BUTTON

105 XC

107 XC

A

A

KA11A.1 11 14 12

11A.5D

11A.5

KA11A.2 A1 A2

B

B

6A.0C 14 11

6A.0C 24 21

11A.3

QSA C1 C2

6.6B

11A.4

QSB C1 C2

6.8B

KA11A.1 A1 A2

11.9E -24VDC

-24VDC 12.0A

11A.8C 11 12 14 21 22 24 31 32 34 41 42 44

REV.	MODIFICA	DATA	FIRMA
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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

AUX SECTION

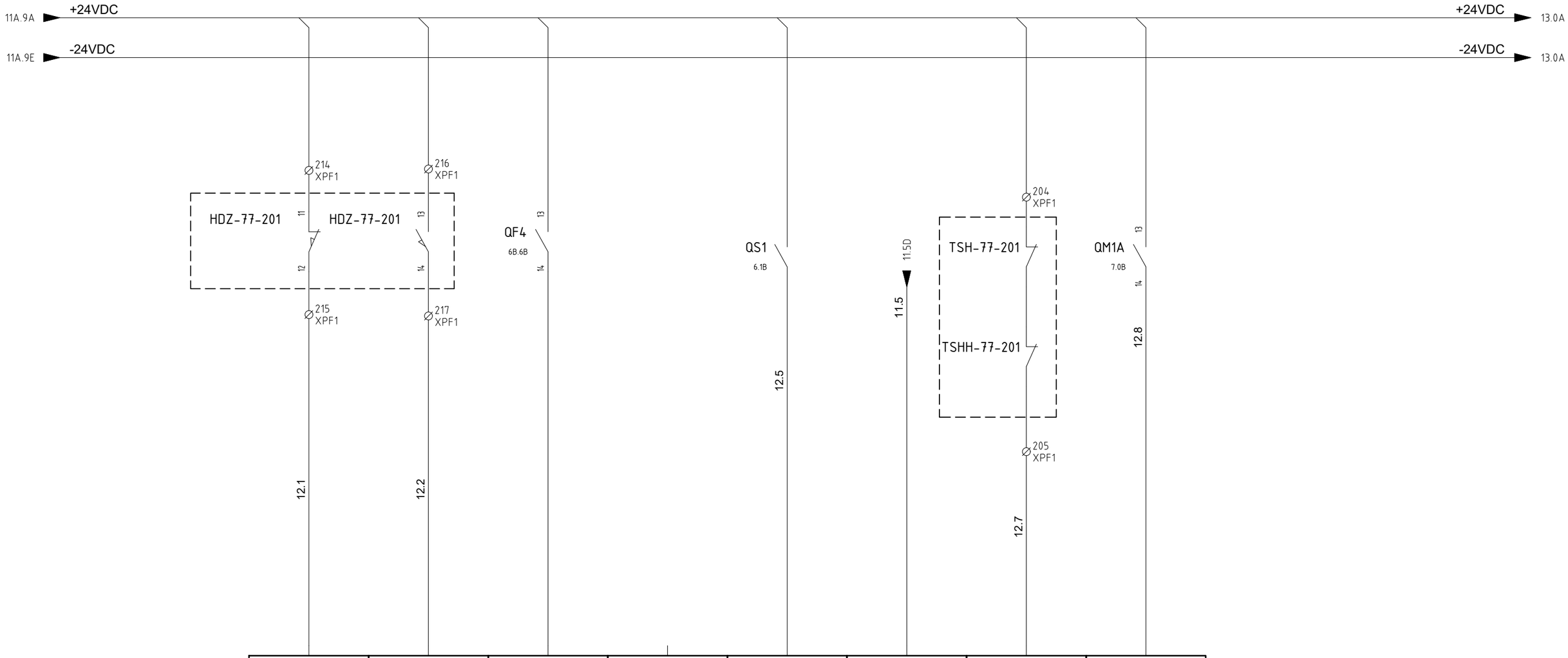
ROSETTI MARINO

ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 11A

F.S. 12



1	2	3	4	5	6	7	8
I0.0	I0.1	I0.2	I0.3	I0.4	I0.5	I0.6	I0.7
CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4
Name: A3 Sheet:	Name: A3 Sheet:	Name: A3 Sheet:	Name: A3 Sheet:	Name: A3 Sheet:	Name: A3 Sheet:	Name: A3 Sheet:	Name: A3 Sheet:
HDZ-77-201 CLOSE FEEDBACK 0=NOT CLOSE 1=CLOSE	HDZ-77-201 OPEN FEEDBACK 0=NOT OPEN 1=OPEN	HHC-77-0002 HEATING CABLE TRIP	SPARE	MAIN BRAKER TRIP SIGNAL 0=TRIP 1=NORMAL	ET-77-201 MOTOR. TERM.PROT 0=MALFUNC. 1=NORMAL	TSH/HH-77-201 EL.HEATER THERM. 0=MALFUNC. 1=NORMAL	HFM-77-201 TRIP SIGNAL 0=TRIP 1=NORMAL

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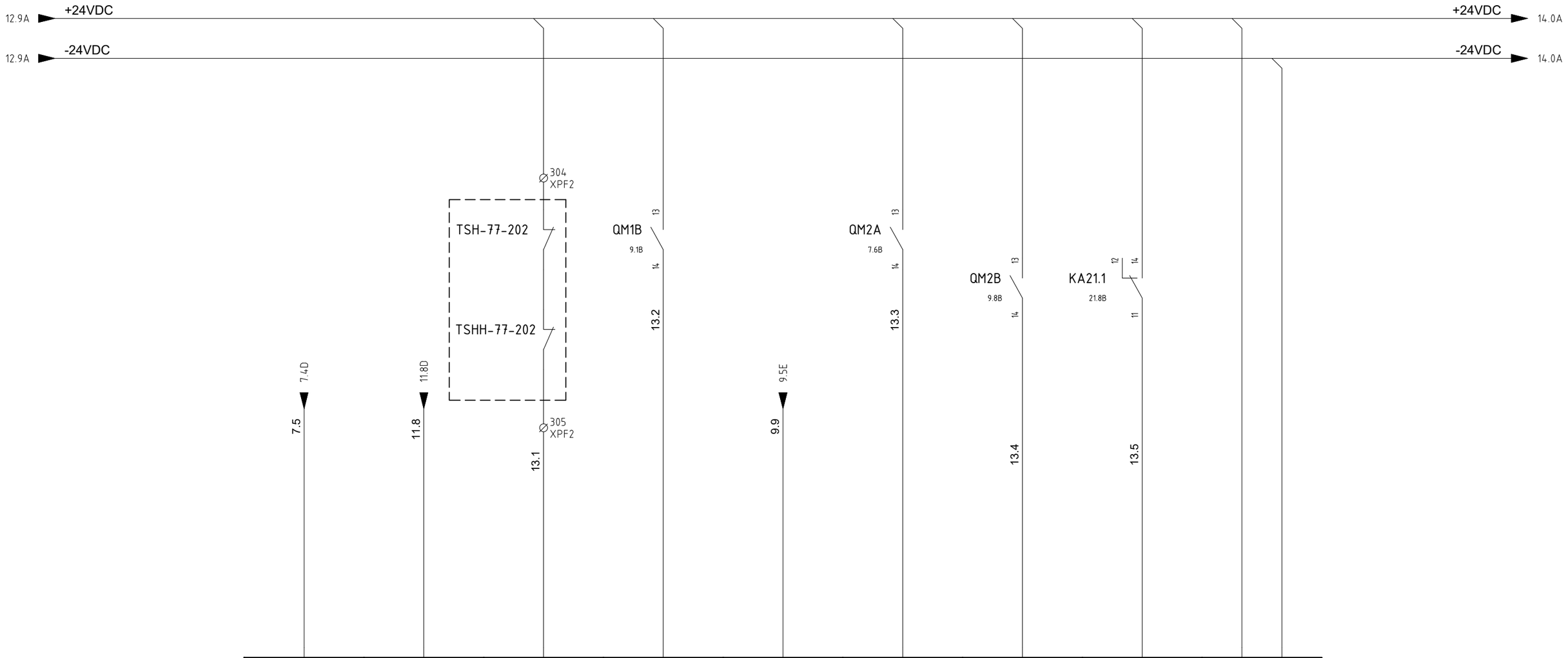
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
AUX SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 12
F.S. 13



9	10	11	12	13	14	15	16	L+ M
I1.0	I1.1	I1.2	I1.3	I1.4	I1.5	I1.6	I1.7	
CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4	CPU: QUADRO GENERALE MOD. : 4
Name: A3 / Sheet:	Name: A3 / Sheet:	Name: A3 / Sheet:	Name: A3 / Sheet:	Name: A3 / Sheet:	Name: A3 / Sheet:	Name: A3 / Sheet:	Name: A3 / Sheet:	Name: A3 / Sheet:
VSD-1 MALFUN. SIGNAL 0=MALFUNC. 1=NORMAL	ET-77-202 MOTOR. TERM.PROT 0=MALFUNC. 1=NORMAL	TSH/HH-77-202 EL.HEATER THERM. 0=MALFUNC. 1=NORMAL	HFM-77-202 TRIP SIGNAL 0=MALFUNC. 1=NORMAL	VSD-2 MALFUN. SIGNAL 0=MALFUNC. 1=NORMAL	HSS-77-201 TRIP SIGNAL 0=MALFUNC. 1=NORMAL	HSS-77-202 TRIP SIGNAL 0=MALFUNC. 1=NORMAL	HSS-77-201 MODULATION FAULT 0=MALFUNC. 1=NORMAL	

REV.	MODIFICA	DATA	FIRMA
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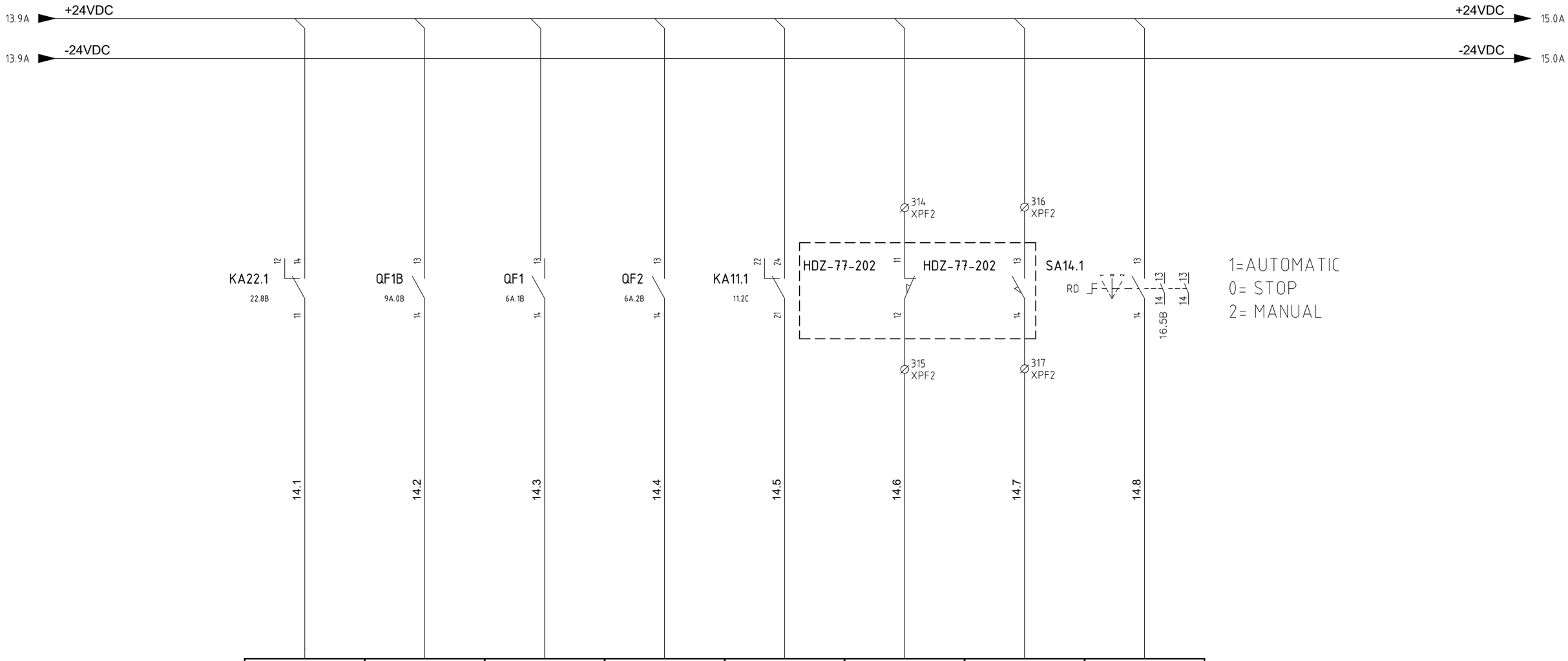
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
AUX SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 13
F.S. 14



1	2	3	4	5	6	7	8
12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7
CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5
Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:
HSS-77-202 MODULATION FAULT 0=MALFUNC. 1=NORMAL	HHU-77004 TRIP AUX SECTION	TRIP SIGNAL MODULE LIGHT	TRIP SIGNAL MODULE SOCKET	HVAC SHUT DOWN FROM SIS 0=SHUTDOWN 1=NORMAL	HDZ-77-202 CLOSE FEEDBACK 0=NOT CLOSE 1=CLOSE	HDZ-77-202 OPEN FEEDBACK 0=NOT OPEN 1=OPEN	HHU-77003 AUTO MODE 0=NOT AUTO 1= AUTOMATIC

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FG. 14
F.S. 15

14.9A +24VDC → +24VDC 16.0A

14.9A -24VDC → -24VDC 16.0A

9	10	11	12	13	14	15	16	L+ M
QF1A 8.0B	QF3 6A.4B	QSA 6.6B	QSB 6.8B	QM1 6B.1B		KM1 15.7D		
15.1	15.2	15.3	15.4	15.5		15.7		
				13 / 14				
13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	
CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5	CPU: QUADRO GENERALE MOD. : 5
Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:	Name: A4 Sheet:
HHU-77003 TRIP AUX SECTION	GENERAL PANEL AUX TRIP	HHU-77003 MAIN BRAKER TRIP	HHU-77004 MAIN BRAKER TRIP	HSS-77004/5/6 SPACE HEATER TRIP	SPARE	HSS-77004/5/6 SPACE HEATER RUN	SPARE	

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B-200 LV SWITCH ROOM
AUX SECTION

ROSETTI MARINO | ALEXSISTEMI spa

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FG. 15
F.S. 16

15.9A +24VDC → +24VDC 17.0A

15.9A -24VDC → -24VDC 17.0A

1=AUTOMATIC
0= STOP
2= MANUAL

SA16.1 RD 13 14 23 24 33 34 16.6B

208 XPF1 — PDSL-77-201 (p>) — 209 XPF1

210 XPF1 — PDT-77-201 (p>) — 211 XPF1

308 XPF2 — PDSL-77-202 (p>) — 309 XPF2

310 XPF2 — PDT-77-202 (p>) — 311 XPF2

SA14.1 13 14 — 14.7B

SA16.1 23 24 — 16.1B

KA23A.1 11 14 12 — 23A.1E

9	10	11	12	13	14	15	16
14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7
CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6
Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:
HHU-77004 AUTO MODE 0=NOT AUTO 1= AUTOMATIC	PDSL-77-201 FAN FLOW SWITCH 0=NO FLOW 1=FLOW	PDT-77-201 FILTER DIFF SWITCH 0=NORMAL 1=CLOGGED	PDSL-77-202 FAN FLOW SWITCH 0=NO FLOW 1=FLOW	PDT-77-202 FILTER DIFF SWITCH 0=NORMAL 1=CLOGGED	HHU-77003 MANUAL MODE 0=NOT MANUAL 1=MANUAL	HHU-77004 MANUAL MODE 0=NOT MANUAL 1=MANUAL	HFD-77004 CLOSE CONTACT 0=NOT CLOSE 1=CLOSE

REV.	MODIFICA	DATA	FIRMA
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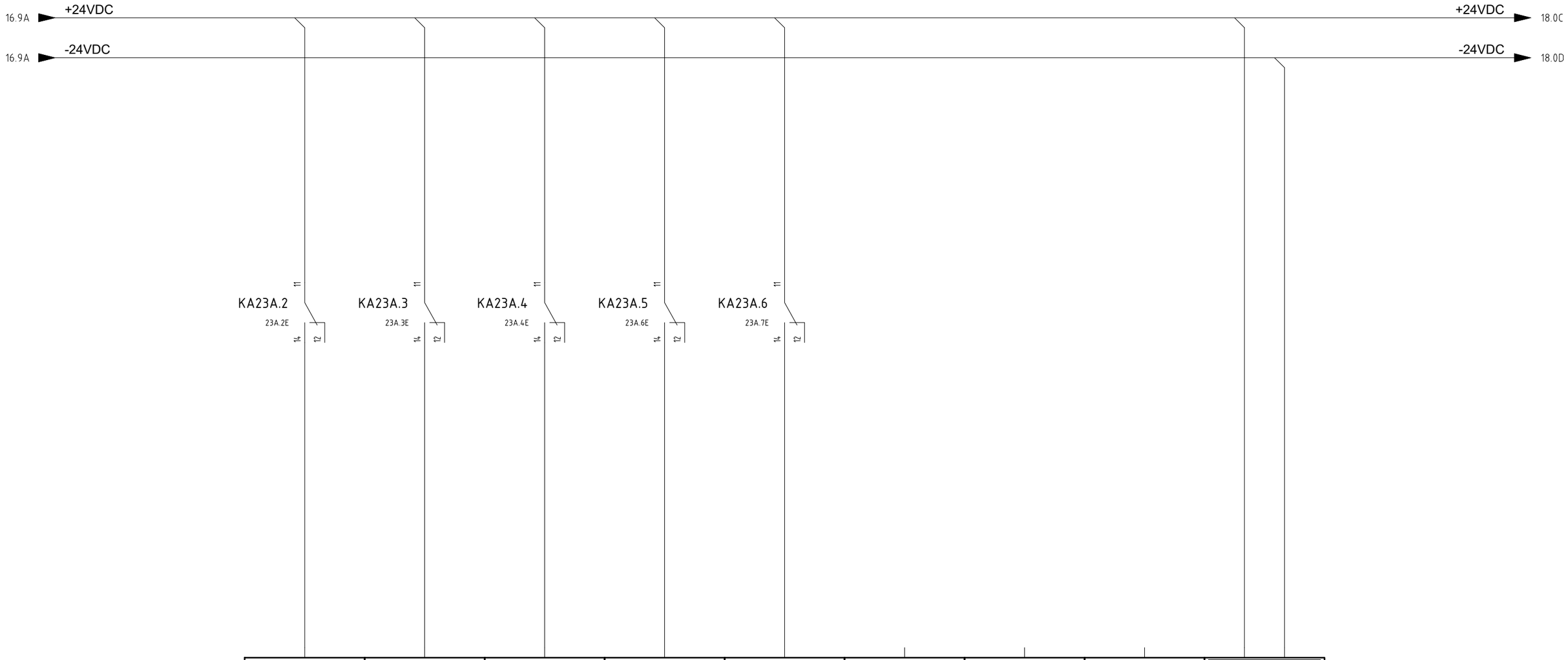
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
AUX SECTION

ROSETTI MARINO — ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 16
F.S. 17



9	10	11	12	13	14	15	16	L+ M
15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	
CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6	CPU: QUADRO GENERALE MOD. : 6
Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:	Name: A5 Sheet:
HFD-77004 OPEN CONTACT 0=NOT OPEN 1=OPEN	HFD-77005 CLOSE CONTACT 0=NOT CLOSE 1=CLOSE	HFD-77005 OPEN CONTACT 0=NOT OPEN 1=OPEN	HFD-77006 CLOSE CONTACT 0=NOT CLOSE 1=CLOSE	HFD-77006 OPEN CONTACT 0=NOT OPEN 1=OPEN	SPARE	SPARE	SPARE	

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ROSETTI MARINO | ALEXSISTEMI spa

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FG. 17
F.S. 18

VSD 1 START COMMAND vsd 1 start command		VSD 2 START COMMAND vsd 2 start command		HVAC MALFUNCTION SIGNAL TO SIS 0=MALFUNC. 1=NORMAL		HDZ-77-201 OPEN COMMAND 0=OFF 1=OPEN		HSS-77-203 MOTOR HEATER		HSS-77-204 MOTOR HEATER		HSS-77004/5/6 SPACE HEATER START		HDZ-77-202 OPEN COMMAND 0=OFF 1=OPEN	
Name: A6	Sheet:	Name: A6	Sheet:	Name: A6	Sheet:	Name: A6	Sheet:	Name: A6	Sheet:	Name: A6	Sheet:	Name: A6	Sheet:	Name: A6	Sheet:
CPU: QUADRO GENERALE MOD. : 7		CPU: QUADRO GENERALE MOD. : 7		CPU: QUADRO GENERALE MOD. : 7		CPU: QUADRO GENERALE MOD. : 7		CPU: QUADRO GENERALE MOD. : 7		CPU: QUADRO GENERALE MOD. : 7		CPU: QUADRO GENERALE MOD. : 7		CPU: QUADRO GENERALE MOD. : 7	
Q0.0		Q0.1		Q0.2		Q0.3		Q0.4		Q0.5		Q0.6		Q0.7	
1		2		3		4		5		6		7		8	

18.1 18.2 18.3 18.5 18.6 18.7

17.9A +24VDC → 19.0D +24VDC

17.9A -24VDC → 19.0D -24VDC

KA18.1 A1 A2 KA18.2 A1 A2 KA18.3 A1 A2 KA18.4 A1 A2 KA18.5 A1 A2 KA18.6 A1 A2 KM1 A1 A2 KA18.7 A1 A2

7.3A 11 12 14 21 22 24 31 32 34 41 42 44

9.4A 11 12 14 21 22 24 31 32 34 41 42 44

23.1B 11 12 14 21 22 24 31 32 34 41 42 44

8.7D 11 12 14 21 22 24 31 32 34 41 42 44

8.6D 11 12 14 21 22 24 31 32 34 41 42 44

9A.6D 11 12 14 21 22 24 31 32 34 41 42 44

6B.1C
6B.1C
6B.1C
6B.1C
20A.2B

9A.8D 11 12 14 21 22 24 31 32 34 41 42 44

REV.	MODIFICA	DATA	FIRMA
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FG. 18
F.S. 19

SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	
Name: A6 / Sheet:	Name: A6 / Sheet:	Name: A6 / Sheet:	Name: A6 / Sheet:	Name: A6 / Sheet:	Name: A6 / Sheet:	Name: A6 / Sheet:	Name: A6 / Sheet:	Name: A6 / Sheet:
CPU: QUADRO GENERALE MOD. : 7	CPU: QUADRO GENERALE MOD. : 7	CPU: QUADRO GENERALE MOD. : 7	CPU: QUADRO GENERALE MOD. : 7	CPU: QUADRO GENERALE MOD. : 7	CPU: QUADRO GENERALE MOD. : 7	CPU: QUADRO GENERALE MOD. : 7	CPU: QUADRO GENERALE MOD. : 7	CPU: QUADRO GENERALE MOD. : 7
Q1.0	Q1.1	Q1.2	Q1.3	Q1.4	Q1.5	Q1.6	Q1.7	
9	10	11	12	13	14	15	16	L+ M

18.9C +24VDC → +24VDC 20.0A

18.9D -24VDC → -24VDC 20.0A

REV.	MODIFICA	DATA	FIRMA		
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03	ISSUE FOR APPROVAL	06/07/24		VISTO	S.S.
				APPR.	M.G.

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FG. 19
F.S. 20

19.9D +24VDC

19.9D -24VDC

+24VDC 20A.0A

-24VDC 20A.0A

TEMPERATURE TRANSM. 4-20ma
77-TT-201
500 XT
501 XT
502 XT

TEMPERATURE TRANSM. 4-20mA
77-TT-202
503 XT
504 XT
505 XT

DIFFER. PRESSURE TRANSM. 4-20mA
77-PT-201
506 XT
507 XT
508 XT

TEMPERATURE TRASM. 4-20mA
77-TT-203
- + T
509 XT
510 XT

20.1 20.2 20.3

1 5 9 13	2 6 10 14	3 7 11 15	4 8 12 16	L+ M
AI0.0	AI0.1	AI0.2	AI0.3	
CPU: QUADRO GENERALE MOD. : 8	CPU: QUADRO GENERALE MOD. : 8	CPU: QUADRO GENERALE MOD. : 8	CPU: QUADRO GENERALE MOD. : 8	CPU: QUADRO GENERALE MOD. : 8
Name: A7 / Sheet:	Name: A7 / Sheet:	Name: A7 / Sheet:	Name: A7 / Sheet:	Name: A7 / Sheet:
77-TT-201 TEMPERATURE TRASMITTER	77-TT-202 TEMPERATURE TRASMITTER	77-PT-201 DIFFERENTIAL PRESSURE TRASMITTER SIGNAL	77-TT-203 TEMPERATURE TRASMITTER	

REV.	MODIFICA	DATA	FIRMA
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FG. 20
F.S. 20A

20.9A +24VDC

20.9A -24VDC

+24VDC 20B.0A

-24VDC 20B.0A

VSD 1 MODULATION VSD 1 modulation		VSD 2 MODULATION VSD 2 modulation		EH-001 MODULATION SIGNAL EH-001 Modulation Signal		EH-002 MODULATION SIGNAL EH-002 Modulation Signal			
Name: A8	Sheet:	Name: A8	Sheet:	Name: A8	Sheet:	Name: A8	Sheet:	Name: A8	Sheet:
CPU: QUADRO GENERALE MOD. : 10		CPU: QUADRO GENERALE MOD. : 10		CPU: QUADRO GENERALE MOD. : 10		CPU: QUADRO GENERALE MOD. : 10		CPU: QUADRO GENERALE MOD. : 10	
AQ0.0		AQ0.1		AQ0.2		AQ0.3			
9 1 5 13		10 2 6 14		11 3 7 15		12 4 8 16		L+ M	

7.5B 7.6

7.5B 7.7

9.6B 9.7

9.6B 9.8

20A.1 21.7B

20A.2 21.7B

20A.3 22.7C

20A.4 22.7C

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03	ISSUE FOR APPROVAL	06/07/24	

DATA	15/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

frigotermica
HVAC SYSTEM and EQUIPMENT
S.p.186–Cornegliano Laud. (Lo) Italy
tel. 0039–0371–69076
frigotermica@frigotermica.com

CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

AUX SECTION

ROSETTI MARINO ALEXSISTEMI spa

1724000049-HV-DA-00027

F.G. 20A
F.S. 20B

20A.9A +24VDC

20A.9A -24VDC

+24VDC 20C.0A

-24VDC 20C.0A

SPARE	SPARE	SPARE	SPARE	
Name: A9 / Sheet:	Name: A9 / Sheet:	Name: A9 / Sheet:	Name: A9 / Sheet:	Name: A9 / Sheet:
CPU: QUADRO GENERALE MOD. : 11	CPU: QUADRO GENERALE MOD. : 11	CPU: QUADRO GENERALE MOD. : 11	CPU: QUADRO GENERALE MOD. : 11	CPU: QUADRO GENERALE MOD. : 11
AQ1.0	AQ1.1	AQ1.2	AQ1.3	
9 1 5 13	10 2 6 14	11 3 7 15	12 4 8 16	L+ M

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	24/01/25		DATA	15/04/2024
04	ACCEPT FOR CONSTRUCTION	10/10/24		DISEGN.	F.M.
03	ISSUE FOR APPROVAL	06/07/24		VISTO	S.S.
				APPR.	M.G.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

AUX SECTION

ROSETTI MARINO ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 20B
F.S. 20C

20B.9A +24VDC

20B.9A -24VDC

+24VDC 20D.0E

-24VDC 20D.0F

TEMPERATURE TRASM.
4-20 mA
77-TT-204

\- + T

⌀511 XT

⌀512 XT

1 5 9 13	2 6 10 14	3 7 11 15	4 8 12 16	L+ M
AI1.0	AI1.1	AI1.2	AI1.3	
CPU: QUADRO GENERALE MOD. : 12	CPU: QUADRO GENERALE MOD. : 12	CPU: QUADRO GENERALE MOD. : 12	CPU: QUADRO GENERALE MOD. : 12	CPU: QUADRO GENERALE MOD. : 12
Name: A10 / Sheet:	Name: A10 / Sheet:	Name: A10 / Sheet:	Name: A10 / Sheet:	Name: A10 / Sheet:
77-TT-204 TEMPERATURE TRANSMITTER	SPARE	SPARE	SPARE	

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	24/01/25	
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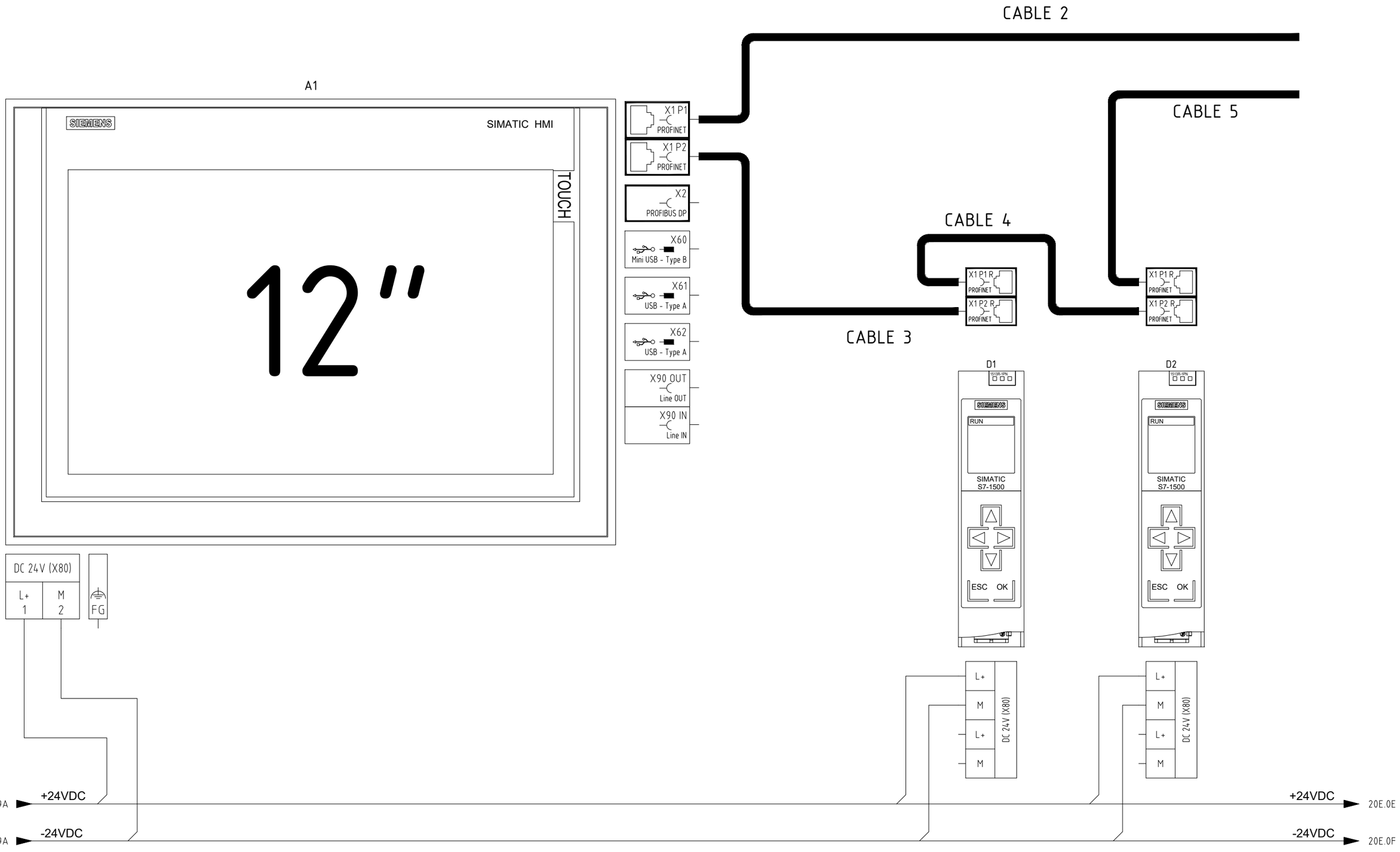
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
AUX SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 20C
F.S. 20D



REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	24/01/25	
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DATA	15/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

PLC ARCHITECTURE

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 20D
F.S. 20E

CABLE 2

CABLE 1

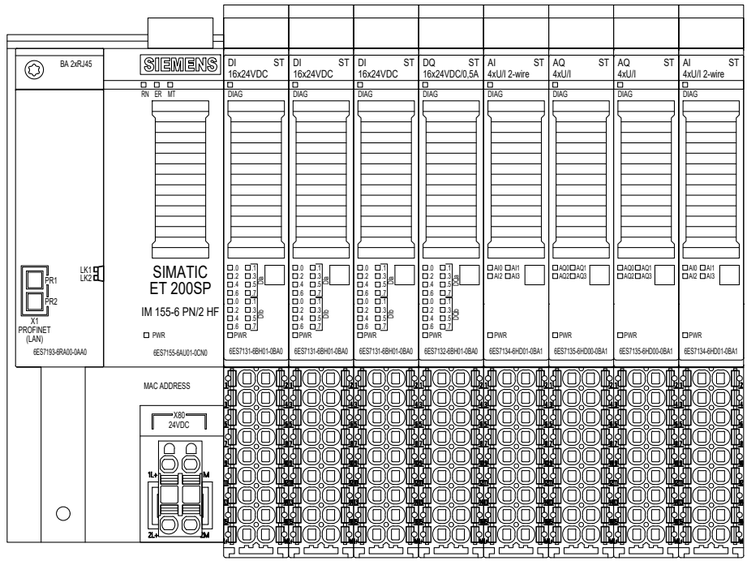
CABLE 5

1	TD	PROFINET IO - Port 1 RJ45
2	TD N	
3	RD	
4	GND	
5	GND	
6	RD N	
7	GND	
8	GND	

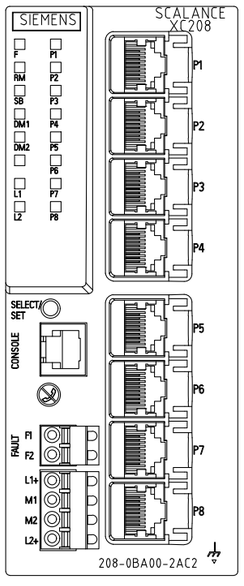
1	TD	PROFINET IO - Port 2 RJ45
2	TD N	
3	RD	
4	GND	
5	GND	
6	RD N	
7	GND	
8	GND	

1L+	DC 24V
2L+	
1M	
2M	

A2 A3 A4 A5 A6 A7 A8 A9 A10



A11



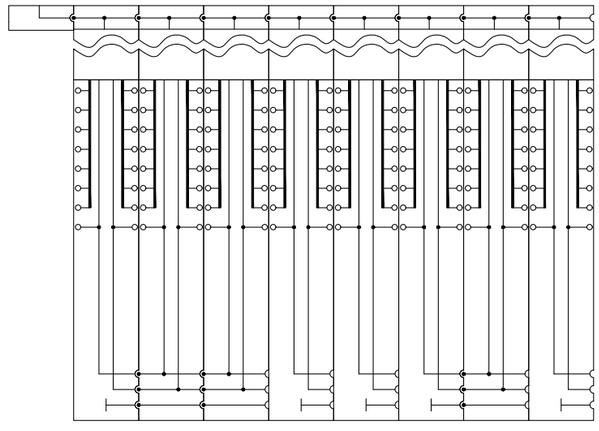
P1	LAN
P2	LAN
P3	LAN
P4	LAN
P5	LAN
P6	LAN
P7	LAN
P8	LAN

MODBUS TCP/IP TO CLIENT

RJ45 CONNECTION IN TERMINAL STRIP

1	F1	
2	F2	

1	L1+	DC 24V
2	M1	
3	M2	
4	L2+	



20D.9E +24VDC → +24VDC 21.0A

20D.9F -24VDC → -24VDC 21.0A

REV.	MODIFICA	DATA	FIRMA
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BASE LOAD POWER HUB (BLPH) B-200 LV SWITCH ROOM

PLC ARCHITECTURE

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 20E

F.S. 21

EH-001
MODULATION

20E.9E +24VDC → +24VDC 22.0A

20E.9F -24VDC → -24VDC 22.0A

21.1

21.2

20A.5E

20A.5E

20A.1

20A.2

KA21.1 A1 / A2

17.2B 11 12 / 14 21 22 / 24 31 32 / 34 41 42 / 44

1/L1

HR-1A.

9 AL
8 A2
7 A2
6 A1
5 D1
4 US
3 A2

GRP 3

2/T1

1/L1

HR-1B.

9 AL
8 A2
7 A2
6 A1
5 D1
4 US
3 A2

GRP 3

2/T1

1/L1

HR-1C.

19 AL
18 AL
17 D17
16 A2
15 A-
14 A+
13 D13
12 US
11 A2

GRM 1

2/T1

3/L2

FU21.1 1 / 2

8.9A RA

REV.	MODIFICA	DATA	FIRMA
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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
ELECTRICAL HEATER MODULATION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 21
F.S. 22

EH-002
MODULATION

21.9A +24VDC

21.9A -24VDC

+24VDC /./

-24VDC /./

22.1

22.2

1/L1

HR-2A.

9 AL
8 A2
7 A2
6 A1
5 D1
4 US
3 A2

GRP 3

2/T1

1/L1

HR-2B.

9 AL
8 A2
7 A2
6 A1
5 D1
4 US
3 A2

GRP 3

2/T1

1/L1

HR-2C.

19 AL
18 AL
17 D17
16 A2
15 A-
14 A+
13 D13
12 US
11 A2

GRM 1

2/T1

20A.6E

20A.7E

20A.3

20A.4

KA22.1 A1

A2

17.3B 11 12 14 21 22 24 31 32 34 41 42 44

3/L2

FU22.1 1

2

9A.9A RB

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	24/01/25	
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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

ELECTRICAL HEATER MODULATION

ROSETTI MARINO

ALEXSISTEMI spa

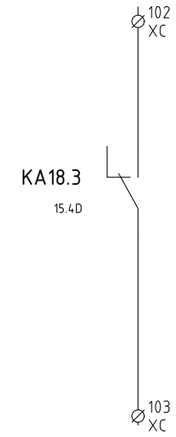
1724000049-HV-DA-00027

FG. 22

F.S. 23

AVAILABLE FREE
VOLTAGE SIGNAL
GENERAL FAULT
TO SIS

HVAC
MALFUNCTION
SIGNAL



CLOSE= NORMAL
OPEN= MALFUNCTION

SIGNAL TO SIS
B400-SIS-0901

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	24/01/25	
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CLIENT:
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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
AVAILABLE SIGNAL

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 23
F.S. 23A

HFD-77004
CLOSED FEEDBACK

HFD-77005
CLOSED FEEDBACK

HFD-77006
CLOSED FEEDBACK

HFD-77004
OPEN FEEDBACK

HFD-77005
OPEN FEEDBACK

HFD-77006
OPEN FEEDBACK

+24VDC

+24VDC

402 XFD
404 XFD
408 XFD
410 XFD
414 XFD
416 XFD

HFD-77004 11 12
HFD-77004 13 14
HFD-77005 11 12
HFD-77005 13 14
HFD-77006 11 12
HFD-77006 13 14

403 XFD
405 XFD
409 XFD
411 XFD
415 XFD
417 XFD

KA23A.1 A1 A2
KA23A.2 A1 A2
KA23A.3 A1 A2
KA23A.4 A1 A2
KA23A.5 A1 A2
KA23A.6 A1 A2

-24VDC

-24VDC

16.7B 11 12 14 22
23B.1C 21 24

17.1B 11 12 14 22
23B.2C 21 24

17.2B 11 12 14 22
23B.4C 21 24

17.3B 11 12 14 22
23B.5C 21 24

17.4B 11 12 14 22
23B.7C 21 24

17.4B 11 12 14 22
23B.8C 21 24

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	24/01/25	
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CLIENT:
CROSSWIND

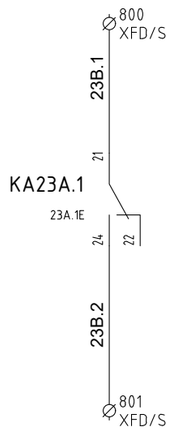
BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
AVAILABLE SIGNAL

ROSETTI MARINO
ALEXSISTEMI spa

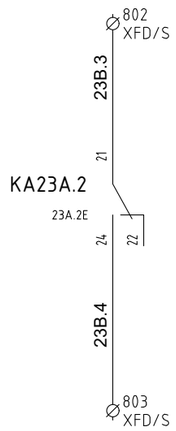
1724000049-HV-DA-00027

FG. 23A
F.S. 23B

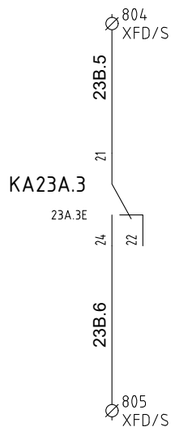
HFD-77004
CLOSED SIGNAL
TO F&G



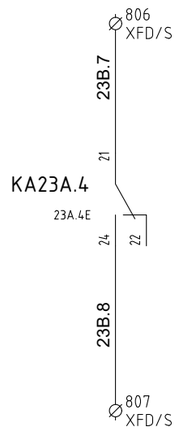
HFD-77004
OPEN SIGNAL
TO F&G



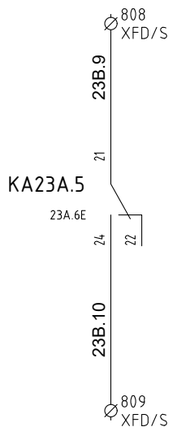
HFD-77005
CLOSED SIGNAL
TO F&G



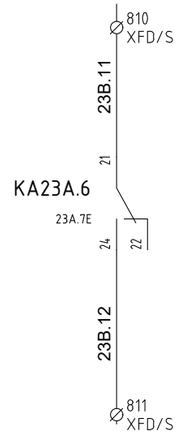
HFD-77005
OPEN SIGNAL
TO F&G



HFD-77006
CLOSED SIGNAL
TO F&G



HFD-77006
OPEN SIGNAL
TO F&G



REV.	MODIFICA	DATA	FIRMA
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DATA	15/04/2024
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CLIENT:
CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

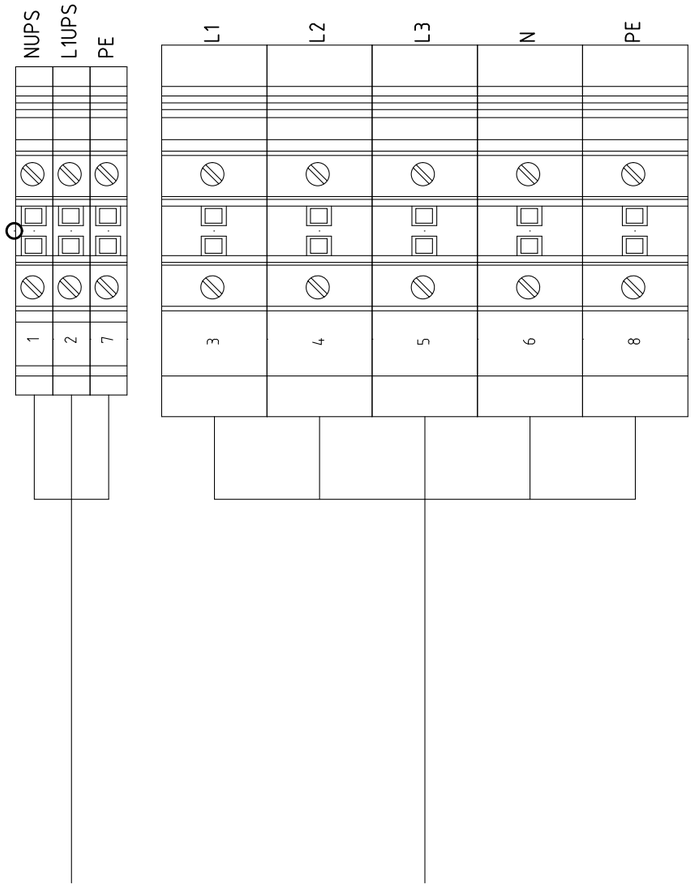
AVAILABLE SIGNAL

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 23B
F.S. 24

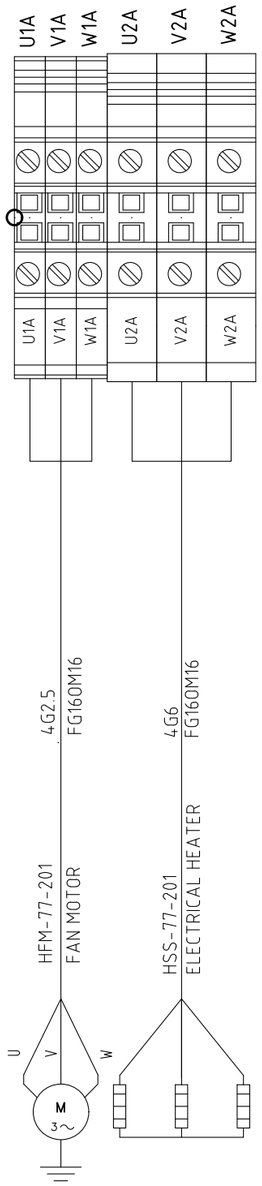
+QG - XPS
POWER SUPPLY



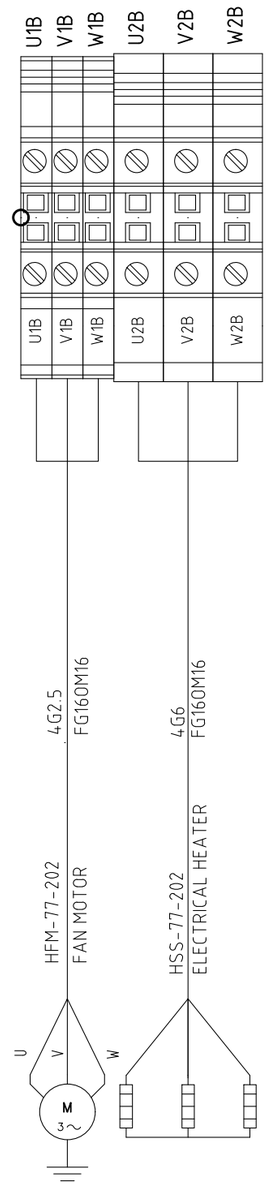
230V 1F + N + PE
50Hz
FROM
AC UPS-PAS DB
3G4
DP-200F3

400V 3F +N + PE
50Hz
FROM LV
SWITCHGEAR
5G25
SG-200N1

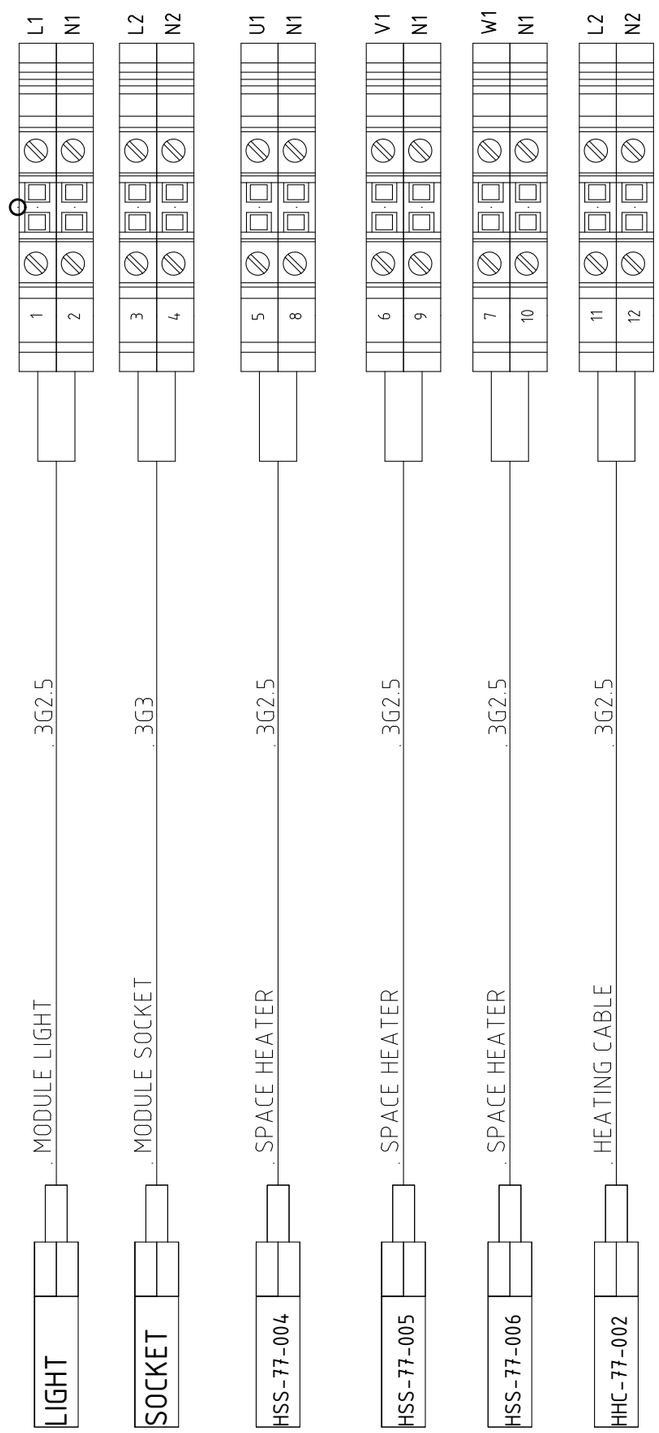
+QG - XM1
POWER PRESS FAN 1



+QG - XM2
POWER PRESS FAN 2



+QG - XAC
ACCESSORIES



REV.	MODIFICA	DATA	FIRMA		
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03	ISSUE FOR APPROVAL	06/07/24		VISTO	S.S.
				APPR.	M.G.

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CLIENT: CROSSWIND

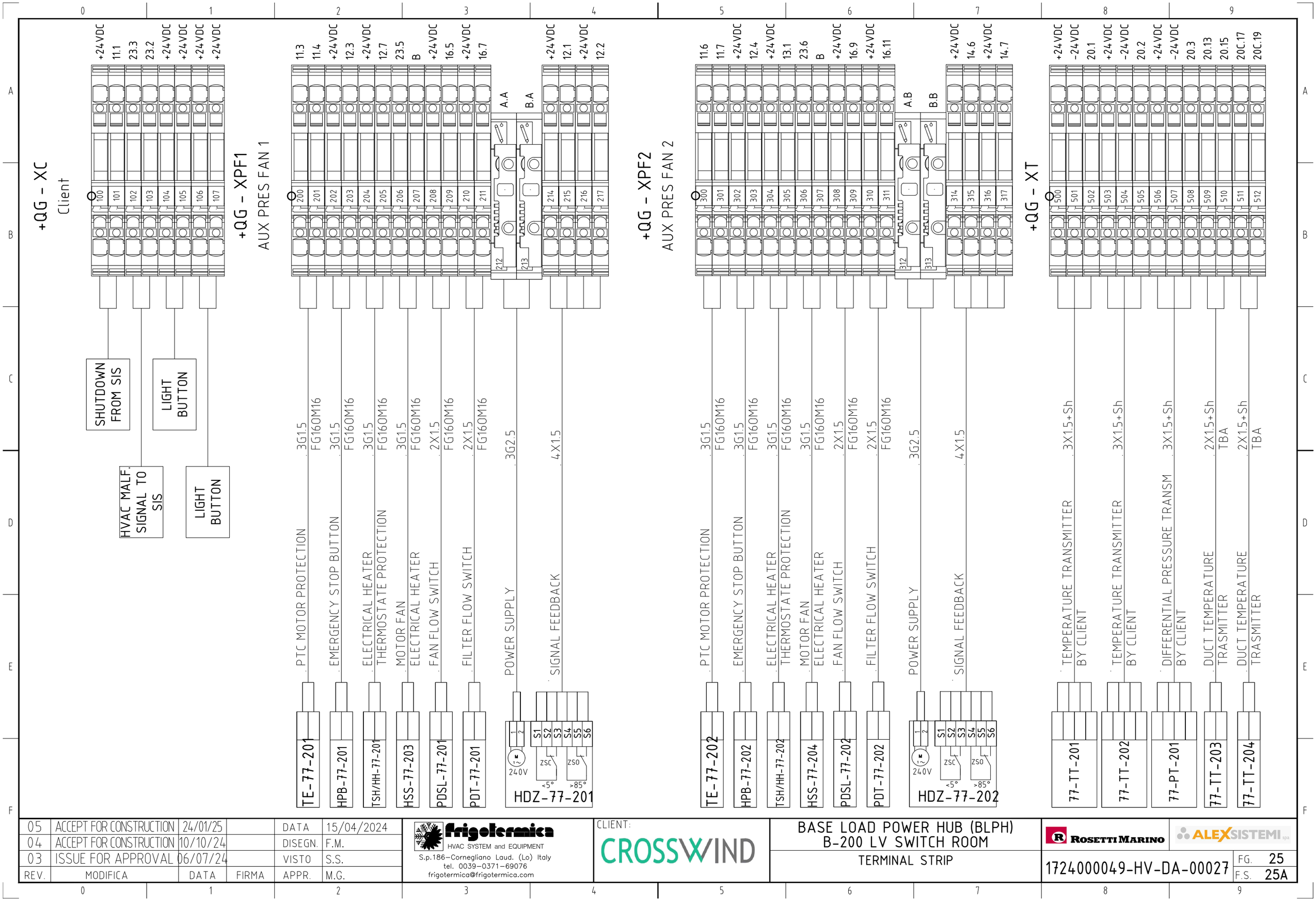
BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

TERMINAL STRIP

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 24
F.S. 25



REV.	MODIFICA	DATA	FIRMA
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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
TERMINAL STRIP

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 25
F.S. 25A

+QG - XFD
FIRE DAMPER

+24VDC 16.6 | +24VDC 17.8 | +24VDC 17.10 | +24VDC 17.12 | +24VDC 17.14 | +24VDC 17.16

402 403 404 405 | 408 409 410 411 | 414 415 416 417

4X1.5 | 4X1.5 | 4X1.5

SIGNAL FEEDBACK | SIGNAL FEEDBACK | SIGNAL FEEDBACK

1 2 | S1 S2 S3 S4 S5 S6

240V ZSC <5° ZSO >85°

HFD-77004 | HFD-77005 | HFD-77006

+QG - XFD/S
FIRE DAMPER SIGNALS

23B.1 23B.2 23B.3 23B.4 23B.5 23B.6 23B.7 23B.8 23B.9 23B.10 23B.11 23B.12

800 801 802 803 804 805 806 807 808 809 810 811

HFD-77004 CLOSED SIGNAL | HFD-77005 CLOSED SIGNAL | HFD-77006 CLOSED SIGNAL

HFD-77004 OPEN SIGNAL | HFD-77005 OPEN SIGNAL | HFD-77006 OPEN SIGNAL

X3
RJ45

RJ45 CLIENT CONNECTION

MODBUS TCP/IP
CONNECTION
FROM
B400-NET-001

REV.	MODIFICA	DATA	FIRMA
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DATA	15/04/2024
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VISTO	S.S.
APPR.	M.G.

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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM
TERMINAL STRIP

ROSETTI MARINO | ALEXSISTEMI

1724000049-HV-DA-00027

FG. 25A
F.S. 26

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
				Hq	4	2
	R5CPFE6100	*Compensation panel for modular cabinet height 100 width 600*	*dkc*	*Hq*	4	2
	R5CPME6200	*Solid modular door for cabinet width 600, door height 200*	*dkc*	*Hq*	4	2
	RZPCE6200	*modular wiring panel L.600 H.200*	*dkc*			2
	R5CPME6600	*Solid modular cabinet door 600 width, 600 door height*	*dkc*	*Hq*	4	2
	RZPCE6600	*Modular wiring panel L.600 H.600*	*dkc*			2
	R5CPME6800	*Solid modular cabinet door width 600, door height 800*	*dkc*	*Hq*	4	2
	RZPCE6800	*Modular wiring panel L.600 H.800*	*dkc*			2
	R5CQE1866R	*Cabinet comp. 1800x600x600 back*	*dkc*	*Hq*	4	2
	R5LE1862	*SIDE DOOR FOR CQE PANEL DEPTH 600 HEIGHT 1800*	*dkc*			2
	R1ZCOR1	*Modular plinth corner H100 4pcs*	*dkc*			2
	R1ZPRO601	*Front/side flange H100 length 600*	*dkc*			3
	R5TOE60	*Rebate crossbar for modular doors, width 600*	*dkc*			5
	RZMVE18	*Vertical support height 1800*	*dkc*			2
	RZA33	*Lifting Ring*	*dkc*			3
	RZKE65	*CQE cabinet union kit*	*dkc*			2
	rzkre65	*Flat Cooling Kit for CQE Cabinets*	*dkc*			2
	rzksre65	*L-shaped union reinforcement kit for CQE cabinets*	*dkc*			2
	RZSOE545	*HORIZONTAL SUPPORT TOTAL CABINET DEPTH 600*	*dkc*			5
	RZDOE6545	*HORIZONTAL PARTITION TOTAL CABINET WIDTH 600 DEPTH 600*	*dkc*			5
	RZDVE1860	*Vertical partition for CQE 1800x600*	*dkc*			2
32 x 15	*534-2*	*DIN rail EN60715 32x15x1.5 closed*	*Arnocanali*	*Hq*	5	*4.01*
32 x 15	*PD32Z*	*Sendzimir rail 32x15x9 closed*	*Canloplast*	*Hq*	5	*0.41*
40 x 100	*E35*	*can.cabl.40x100 sg*	*Canloplast*	*Hq*	5	*9.79*
60 x 100	*E184*	*Can.Cabl.60x100 SG S/4*	*Canloplast*	*Hq*	5	*0.84*
77-TT-203				*Hq*		1
77-TT-204				*Hq*		1
A1	*6AV2124-0MC01-0AX0*	*SIMATIC HMI TP1200 Comfort. Touch control, 12" widescreen display*	*siemens*	*Hq*	*20d*	1
A2	*6ES7155-6AU01-0CN0*	*IM 155-6 PN HF/2 V4.2 Interface Module*	*siemens*	*Hq*	*20th*	1
	6ES7193-6AR00-0AA0	*BA 2×RJ45 (PROFINET busadapter with standard Ethernet socket for IM-PN)*	*siemens*			1
A3	*6ES7131-6BH01-0BA0*	*Digital Input Module: 16x24VDC ST*	*siemens*	*Hq*	*20th*	1
	6ES7193-6BP00-0DA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
A4	*6ES7131-6BH01-0BA0*	*Digital Input Module: 16x24VDC ST*	*siemens*	*Hq*	*20th*	1
	6ES7193-6BP00-0BA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
A5	*6ES7131-6BH01-0BA0*	*Digital Input Module: 16x24VDC ST*	*siemens*	*Hq*	*20th*	1
	6ES7193-6BP00-0BA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
A6	*6ES7132-6BH01-0BA0*	*Digital Output Module: DQ 16x24VDC/0.5A ST*	*siemens*	*Hq*	*20th*	1
	6ES7193-6BP00-0DA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
A7	*6ES7134-6HD01-0BA1*	*Analog Input Module: AI 4XU/I 2-Wire ST*	*siemens*	*Hq*	*20th*	1
	6ES7193-6BP00-0DA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
A8	*6ES7135-6HD00-0BA1*	*Analog Output Module: AQ 4XU/I ST*	*siemens*	*Hq*	*20th*	1
	6ES7193-6BP00-0DA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
A9	*6ES7135-6HD00-0BA1*	*Analog Output Module: AQ 4XU/I ST*	*siemens*	*Hq*	*20th*	1
	6ES7193-6BP00-0BA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
A10	*6ES7134-6HD01-0BA1*	*Analog Input Module: AI 4XU/I 2-Wire ST*	*siemens*	*Hq*	*20th*	1

REV.	MODIFICA	DATA	FIRMA
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DATA 15/04/2024
DISEGN. F.M.
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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 26
F.S. 27

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
A10	*6ES7193-6BP00-0DA0*	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*	*Hq*	*20th*	1
A11	*6GK5208-0BA00-2AC2*	*XC208 Managed Switch with 8 RJ45 100Mbit/s Ports*	*siemens*	*Hq*	*20th*	1
D1	*6ES7513-1RM03-0AB0*	*CPU 1513R-1PN*	*siemens*	*Hq*	*20d*	1
	6ES7954-8LF02-0AA0	*Memory card, 24 MB*	*siemens*			1
	6ES7590-1AB60-0AA0	*Profile rail S7-1500, 160 mm*	*siemens*			1
D2	*6ES7513-1RM03-0AB0*	*CPU 1513R-1PN*	*siemens*	*Hq*	*20d*	1
	6ES7954-8LF02-0AA0	*Memory card, 24 MB*	*siemens*			1
	6ES7590-1AB60-0AA0	*Profile rail S7-1500, 160 mm*	*siemens*			1
EPB-003	*3su1900-0dy30-0aa0*	*Protective collar for merge button, plastic, yellow, 22mm hole*	*siemens*	*Hq*	*6th*	1
	3SU1001-1HB20-0AA0	*Emergency stop mushroom pushbutton, illuminatable, twist release, 40 mm diameter, 2 positions*	*siemens*			1
	3su1500-0aa10-0aa0	*Support without module. plastic*	*siemens*			1
F1		*docker*		*Hq*	*6b*	1
F2		*docker*		*Hq*	*6b*	1
F3		*docker*		*Hq*	*6b*	1
F4		*docker*		*Hq*	*6b*	1
FU21.1		*Single-pole fuse*		*Hq*	21	1
FU22.1		*Single-pole fuse*		*Hq*	22	1
GD1	*6EP1333-3BA10*	*Sitop PSU200M single-phase and two-phase, DC 24V/5A. Stabilized power supply Input: 120-230/230-500V AC, Output: DC 24V/5A*	*siemens*	*Hq*	10	1
HDZ-77-201		*Single-phase alternating current motor*		*Hq*	8	1
HDZ-77-201		*NC Limit Switch*		*Hq*	12	1
HDZ-77-201		*Limit Switch: No*		*Hq*	12	1
HDZ-77-202		*Single-phase alternating current motor*		*Hq*	*9a*	1
HDZ-77-202		*NC Limit Switch*		*Hq*	14	1
HDZ-77-202		*Limit Switch: No*		*Hq*	14	1
HFD-77004		*NC Limit Switch*		*Hq*	*23rd*	1
HFD-77004		*Limit Switch: No*		*Hq*	*23rd*	1
HFD-77004				*Hq*	*25th*	1
HFD-77005		*NC Limit Switch*		*Hq*	*23rd*	1
HFD-77005		*Limit Switch: No*		*Hq*	*23rd*	1
HFD-77005				*Hq*	*25th*	1
HFD-77006		*NC Limit Switch*		*Hq*	*23rd*	1
HFD-77006		*Limit Switch: No*		*Hq*	*23rd*	1
HFD-77006				*Hq*	*25th*	1
HHC-77-002				*Hq*		1
HL6A.1	*3SU1001-6AA60-0AA0*	*Indicator light with smooth lens, white*	*siemens*	*Hq*	*6th*	1
	3SU1401-1BH60-1AA0	*White LED module for mounting on front plate, 24 ... 240 V AC/DC. Screw terminals*	*siemens*			1
	3su1500-0aa10-0aa0	*Support without module. plastic*	*siemens*			1
HL8.1	*3SU1001-6AA60-0AA0*	*Indicator light with smooth lens, white*	*siemens*	*Hq*	8	1
	3SU1401-1BH60-1AA0	*White LED module for mounting on front plate, 24 ... 240 V AC/DC. Screw terminals*	*siemens*			1
	3su1500-0aa10-0aa0	*Support without module. plastic*	*siemens*			1
HL9A.1	*3SU1001-6AA60-0AA0*	*Indicator light with smooth lens, white*	*siemens*	*Hq*	*9a*	1
	3SU1401-1BH60-1AA0	*White LED module for mounting on front plate, 24 ... 240 V AC/DC. Screw terminals*	*siemens*			1
	3su1500-0aa10-0aa0	*Support without module. plastic*	*siemens*			1
HL10.1	*3SU1001-6AA60-0AA0*	*Indicator light with smooth lens, white*	*siemens*	*Hq*	10	1

REV.	MODIFICA	DATA	FIRMA
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04	ACCEPT FOR CONSTRUCTION	10/10/24	
03	ISSUE FOR APPROVAL	06/07/24	

DATA 15/04/2024
DISEGN. F.M.
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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 27
F.S. 28

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
HL10.1	*3SU1401-1BH60-1AA0* *3su1500-0aa10-0aa0*	*White LED module for mounting on front plate, 24 ... 240 V AC/DC. Screw terminals* *Support without module. plastic*	*siemens* *siemens*	*Hq*	10	1 1
HR-1A				*Hq*	7	1
HR-1A.	*GRP-H-25-48-D-1-0000*	*Static power slave unit for load control, logic/analog control. Maximum current 25A.*	*Gefran*	*Hq*	21	1
HR-1B				*Hq*	7	1
HR-1B.	*GRP-H-25-48-D-1-0000*	*Static power slave unit for load control, logic/analog control. Maximum current 25A.*	*Gefran*	*Hq*	21	1
HR-1C				*Hq*	7	1
HR-1C.	*GRM-H-25-48-AN-OL-00000*	*Static power master unit for load control, logic/analog control. Maximum current 25A.*	*Gefran*	*Hq*	21	1
HR-2A				*Hq*	9	1
HR-2A.	*GRP-H-25-48-D-1-0000*	*Static power slave unit for load control, logic/analog control. Maximum current 25A.*	*Gefran*	*Hq*	22	1
HR-2B				*Hq*	9	1
HR-2B.	*GRP-H-25-48-D-1-0000*	*Static power slave unit for load control, logic/analog control. Maximum current 25A.*	*Gefran*	*Hq*	22	1
HR-2C				*Hq*	9	1
HR-2C.	*GRM-H-25-48-AN-OL-00000*	*Static power master unit for load control, logic/analog control. Maximum current 25A.*	*Gefran*	*Hq*	22	1
HSS-77-004				*Hq*		1
HSS-77-005				*Hq*		1
HSS-77-006				*Hq*		1
KA11.1	553490240040 *9404spa* 094913	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option* *Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC* *Latching and unhooking jumper*	*Finder* *Finder* *Finder*	*Hq*	11	1 1 1
KA11A.1	*9404spa* 553490240040 094913	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC* *industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option* *Latching and unhooking jumper*	*Finder* *Finder* *Finder*	*Hq*	*11th*	1 1 1
KA11A.2	202290244000	*Modular Pulse Relay No. of contacts: 2 Contact configuration: No Contact material: AGSNo2 Mounting: DIN rail Function: Mechanical Sizing current: 16 A. Width in subdivision units: 1 Type of supply voltage*	*Finder*	*Hq*	*11th*	1
KA18.1	553490240040 *9404spa* 094913	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option* *Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC* *Latching and unhooking jumper*	*Finder* *Finder* *Finder*	*Hq*	18	1 1 1
KA18.2	553490240040 *9404spa* 094913	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option* *Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC* *Latching and unhooking jumper*	*Finder* *Finder* *Finder*	*Hq*	18	1 1 1

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	24/01/25	
04	ACCEPT FOR CONSTRUCTION	10/10/24	
03	ISSUE FOR APPROVAL	06/07/24	

DATA	15/04/2024
DISEGN.	F.M.
VISTO	S.S.
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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI

1724000049-HV-DA-00027

FG. 28
F.S. 29

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
KA18.3	553490240040	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option*	*Finder*	*Hq*	18	1
	9404spa	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC*	*Finder*			1
	094913	*Latching and unhooking jumper*	*Finder*			1
KA18.4	*9404spa*	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC*	*Finder*	*Hq*	18	1
	553490240040	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option*	*Finder*			1
	094913	*Latching and unhooking jumper*	*Finder*			1
KA18.5	553490240040	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option*	*Finder*	*Hq*	18	1
	9404spa	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC*	*Finder*			1
	094913	*Latching and unhooking jumper*	*Finder*			1
KA18.6	553490240040	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option*	*Finder*	*Hq*	18	1
	9404spa	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC*	*Finder*			1
	094913	*Latching and unhooking jumper*	*Finder*			1
KA18.7	*9404spa*	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC*	*Finder*	*Hq*	18	1
	553490240040	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option*	*Finder*			1
	094913	*Latching and unhooking jumper*	*Finder*			1
KA21.1	553490240040	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option*	*Finder*	*Hq*	21	1
	9404spa	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC*	*Finder*			1
	094913	*Latching and unhooking jumper*	*Finder*			1
KA22.1	553490240040	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in connection Power supply: DC volts DC: 24 V. Non-polarized monostable Protection category: RT I. Option*	*Finder*	*Hq*	22	1
	9404spa	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20 Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC*	*Finder*			1
	094913	*Latching and unhooking jumper*	*Finder*			1
KA23A.1	465290240040	*mini relay. (A): 8 N° Contacts: 2 Contact configuration: CO Material Contacts: AGNI Electrical connection: plug-in fitting Power supply: DC Volt DC: 24 V. Non-polarized Monostable Protection category: RT II. Optional: PU*	*Finder*	*Hq*	*23rd*	1

REV.	MODIFICA	DATA	FIRMA
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DATA	15/04/2024
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FG. 29
F.S. 30

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
KA23A.1	*9702spa*	*Plinth with socket terminals Mounting: 35 mm blind bar (A): 8 Degree of protection: IP 20 Accessories: plastic or metal jumper, 8-pole comb, EMC signalling and protection modules, timer*	*Finder*	*Hq*	*23rd*	1
KA23A.2	465290240040 *9702spa*	*miniature relay. (A): 8 N° Contacts: 2 Contact configuration: CO Material Contacts: AGNI Electrical connection: plug-in fitting Power supply: DC Volt DC: 24 V. Non-polarized Monostable Protection category: RT II. Optional: PU* *Plinth with socket terminals Mounting: 35 mm blind bar (A): 8 Degree of protection: IP 20 Accessories: plastic or metal jumper, 8-pole comb, EMC signalling and protection modules, timer*	*Finder* *Finder*	*Hq*	*23rd*	1 1
KA23A.3	465290240040 *9702spa*	*miniature relay. (A): 8 N° Contacts: 2 Contact configuration: CO Material Contacts: AGNI Electrical connection: plug-in fitting Power supply: DC Volt DC: 24 V. Non-polarized Monostable Protection category: RT II. Optional: PU* *Plinth with socket terminals Mounting: 35 mm blind bar (A): 8 Degree of protection: IP 20 Accessories: plastic or metal jumper, 8-pole comb, EMC signalling and protection modules, timer*	*Finder* *Finder*	*Hq*	*23rd*	1 1
KA23A.4	465290240040 *9702spa*	*miniature relay. (A): 8 N° Contacts: 2 Contact configuration: CO Material Contacts: AGNI Electrical connection: plug-in fitting Power supply: DC Volt DC: 24 V. Non-polarized Monostable Protection category: RT II. Optional: PU* *Plinth with socket terminals Mounting: 35 mm blind bar (A): 8 Degree of protection: IP 20 Accessories: plastic or metal jumper, 8-pole comb, EMC signalling and protection modules, timer*	*Finder* *Finder*	*Hq*	*23rd*	1 1
KA23A.5	465290240040 *9702spa*	*miniature relay. (A): 8 N° Contacts: 2 Contact configuration: CO Material Contacts: AGNI Electrical connection: plug-in fitting Power supply: DC Volt DC: 24 V. Non-polarized Monostable Protection category: RT II. Optional: PU* *Plinth with socket terminals Mounting: 35 mm blind bar (A): 8 Degree of protection: IP 20 Accessories: plastic or metal jumper, 8-pole comb, EMC signalling and protection modules, timer*	*Finder* *Finder*	*Hq*	*23rd*	1 1
KA23A.6	465290240040 *9702spa*	*miniature relay. (A): 8 N° Contacts: 2 Contact configuration: CO Material Contacts: AGNI Electrical connection: plug-in fitting Power supply: DC Volt DC: 24 V. Non-polarized Monostable Protection category: RT II. Optional: PU* *Plinth with socket terminals Mounting: 35 mm blind bar (A): 8 Degree of protection: IP 20 Accessories: plastic or metal jumper, 8-pole comb, EMC signalling and protection modules, timer*	*Finder* *Finder*	*Hq*	*23rd*	1 1
KM1	*3RT2316-1BB40* *3RH29111HA22*	*Contactor, 4 NO, AC-1: 18 to 24 V DC, 4-pole, 4 NO, size S00, screw terminals* *Bloc.Aus.2L 2R 1L,1L,S00/S0,*	*siemens* *siemens*	*Hq*	18	1 1
LIGHT				*Hq*		1
MTP-001	*3RN2000-1AW30*	*Motor protection relay for PTC thermistor supervision 24/240 V AC/DC 1 changeover contact*	*siemens*	*Hq*	11	1
MTP-002	*3RN2000-1AW30*	*Motor protection relay for PTC thermistor supervision 24/240 V AC/DC 1 changeover contact*	*siemens*	*Hq*	11	1
MVA-1	*DMG600*	*multimeter with icon-based LCD*	*Lovato*	*Hq*	6	1
PDSL-77-201		*Pressure-controlled (pressure switch) No*		*Hq*	16	1
PDSL-77-201				*Hq*		1
PDSL-77-202		*Pressure-controlled (pressure switch) No*		*Hq*	16	1
PDSL-77-202				*Hq*		1
PDT-77-201		*Pressure-controlled (pressure switch) No*		*Hq*	16	1
PDT-77-201				*Hq*		1
PDT-77-202		*Pressure-controlled (pressure switch) No*		*Hq*	16	1
PDT-77-202				*Hq*		1
PF6A.1	*GSF10* *GSV1000220*	*air intake filter 100x100* *Panel Fan 100x100 230V 24m³/h*	*Cosmotec* *Cosmotec*	*Hq*	*6th*	1 1
PF8.1	*GSV1000220* *GSF10*	*Panel Fan 100x100 230V 24m³/h* *air intake filter 100x100*	*Cosmotec* *Cosmotec*	*Hq*	8	1 1

REV.	MODIFICA	DATA	FIRMA
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DATA	15/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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CLIENT:
CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
PF9A.1	*GSV1000220*	*Panel Fan 100x100 230V 24m³/h*	*Cosmotec*	*Hq*	*9a*	1
	GSF10	*air intake filter 100x100*	*Cosmotec*			1
PFT6A.1	*007026.00001*	*Thermostate Panel Fan*	*Fandis*	*Hq*	*6th*	1
PFT8.1	*007026.00001*	*Thermostate Panel Fan*	*Fandis*	*Hq*	8	1
PFT9A.1	*007026.00001*	*Thermostate Panel Fan*	*Fandis*	*Hq*	*9a*	1
PH6A.1	*050ra50*	*Anticondensing Heater 230V 50W*	*New Elfin*	*Hq*	*6th*	1
PH8.1	*050ra50*	*Anticondensing Heater 230V 50W*	*New Elfin*	*Hq*	8	1
PH9.1	*050ra50*	*Anticondensing Heater 230V 50W*	*New Elfin*	*Hq*	*9a*	1
PHT6A.1	*007038.00001*	*Antcondensing Thermostat 230V*	*Fandis*	*Hq*	*6th*	1
PHT8.1	*007038.00001*	*Antcondensing Thermostat 230V*	*Fandis*	*Hq*	8	1
PHT9A.1	*007038.00001*	*Antcondensing Thermostat 230V*	*Fandis*	*Hq*	*9a*	1
PL6A.1	*050PEL3C*	*230V lamp*	*New Elfin*	*Hq*	*6th*	1
	050kfm	*Magnet kit*	*New Elfin*			1
PL8.1	*050PEL3C*	*230V lamp*	*New Elfin*	*Hq*	8	1
	050kfm	*Magnet kit*	*New Elfin*			1
PL9A.1	*050PEL3C*	*230V lamp*	*New Elfin*	*Hq*	*9a*	1
	050kfm	*Magnet kit*	*New Elfin*			1
PLS6A.1	*RAMC05*	*Micro Door Opening Switch 1 No & 1NC*	*dkc*	*Hq*	*6th*	1
PLS8.1	*RAMC05*	*Micro Door Opening Switch 1 No & 1NC*	*dkc*	*Hq*	8	1
PLS9A.1	*RAMC05*	*Micro Door Opening Switch 1 No & 1NC*	*dkc*	*Hq*	*9a*	1
QF1	*5SU1354-1KK10*	*Residual current circuit breaker, 10 kA, 1P N, AC type, 30 mA, C, IN: 10 A, UN AC: 230 V*	*siemens*	*Hq*	*6th*	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QF1A	*5SY4502-7*	*Circuit breaker 230 V 10KA, 1P N, C, 2A, D=70 mm*	*siemens*	*Hq*	8	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QF1B	*5SY4502-7*	*Circuit breaker 230 V 10KA, 1P N, C, 2A, D=70 mm*	*siemens*	*Hq*	*9a*	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QF2	*5SU1354-1KK16*	*RCD, 10 kA, 1P N, AC type, 30 mA, C, IN: 16 A, UN AC: 230 V*	*siemens*	*Hq*	*6th*	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QF3	*5SY7502-7*	*Circuit breaker 230 V 15KA, 1P N, C, 2 A, D=70 mm*	*siemens*	*Hq*	*6th*	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QF4	*5su1354-1kk06*	*RCD, 10 kA, 1P N, AC Type, 30 mA, C, In: 6 A, One AC: 230 V*	*siemens*	*Hq*	*6b*	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QF5	*5SY7503-7*	*Circuit breaker 230 V 15Ka, 1P N, C, 3 A, D=70 mm*	*siemens*	*Hq*	10	1
QF6	*5SY5206-7*	*Universal current circuit breaker 440 V DC - 400 V AC 10Ka, 2P, C, 6 A*	*siemens*	*Hq*	10	1
QF400	*5SY74027*	*Int. MT 4P C2 ICN 15KA, ICU 50KA*	*siemens*	*Hq*	6	1
QM1	*5SY7410-7*	*Circuit breaker 400 V 15kA, 4P, C, 10 A, D=70 mm*	*siemens*	*Hq*	*6b*	1
	5SM23420	*Block diff. 4P 40A 30mA Type AC x 5sy*	*siemens*			1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QM1A	*3RV2011-1EA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 2.8...4 A, trip N 52 A, screw terminal*	*siemens*	*Hq*	7	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
QM1B	*3RV2011-1EA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 2.8...4 A, trip N 52 A, screw terminal*	*siemens*	*Hq*	9	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1

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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 31
F.S. 32

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
QM2A	*3RV2011-4AA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 10...16 A, trip N 208 A, screw terminal*	*siemens*	*Hq*	7	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
QM2B	*3RV2011-4AA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 10...16 A, trip N 208 A, screw terminal*	*siemens*	*Hq*	9	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
QS1	*3VA1140-3GE42-0AA0*	*3VA1 switch IEC chassis 160 switching capacity class n ICU=25 KA 415 V 4-pole, TM220 system protection, ATFM, IN=40 A Overload protection IR=28 A... 40 A Short-Circuit Protection II=10 x in N-Conductor Protection 100% LUG terminal*	*siemens*	*Hq*	6	1
	3VA9988-0BL30	*bobsleigh. Launch SIN 24VAC 50/60 Hz/12-30 VDC*	*siemens*			1
	3VA9988-0AA11	*Cont. HP-type status*	*siemens*			1
	3VA9157-0FK21	*com. rinv. Door Lock x 3VA10/1 STD*	*siemens*			1
	3VA9111-0WD40	*Cover x 3VA10/1 4P 1pcs.*	*siemens*			2
QSA	*5SY4420-7*	*Circuit breaker 400 V 10Ka, 4P, C, 20A, D=70 mm*	*siemens*	*Hq*	6	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
	5st3060	*Rotary control padlockable door lock IP65 black*	*siemens*			1
	5st3031	*24-48 V DC opening trip, for 5SL4, 5SY, 5SP, RCBO 5SU1, FI 5SV circuit breaker*	*siemens*			1
QSB	*5SY4420-7*	*Circuit breaker 400 V 10Ka, 4P, C, 20A, D=70 mm*	*siemens*	*Hq*	6	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
	5st3060	*Rotary control padlockable door lock IP65 black*	*siemens*			1
	5st3031	*24-48 V DC opening trip, for 5SL4, 5SY, 5SP, RCBO 5SU1, FI 5SV circuit breaker*	*siemens*			1
SA14.1	*3su1002-2bl10-0aa0*	*Black selector 3 positions (I or II), illuminable. permanent, 2 x 45°*	*siemens*	*Hq*	14	1
	3su1500-0aa10-0aa0	*Support without module. plastic*	*siemens*			1
	3SU1400-1AA10-1BA0	*Module of contacts for fixing on the front plate. 1 NO, screw terminals*	*siemens*			2
SA16.1	*3su1002-2bl10-0aa0*	*Black selector 3 positions (I or II), illuminable. permanent, 2 x 45°*	*siemens*	*Hq*	16	1
	3su1500-0aa10-0aa0	*Support without module. plastic*	*siemens*			1
	3SU1400-1AA10-1BA0	*Module of contacts for fixing on the front plate. 1 NO, screw terminals*	*siemens*			2
SOCKET				*Hq*		1
TA1.1	*TAC022150X05*	*Amperometric transformer hole 22, transformation ratio 150/5 A*	*Frer*	*Hq*	6	1
TA2.1	*TAC022150X05*	*Amperometric transformer hole 22, transformation ratio 150/5 A*	*Frer*	*Hq*	6	1
TA3.1	*TAC022150X05*	*Amperometric transformer hole 22, transformation ratio 150/5 A*	*Frer*	*Hq*	6	1
VSD 1	*6SL3210-5BE22-2CV0*	*SinamiCs V20 3AC380-480V 2.2KW with C3 Filter*	*siemens*	*Hq*	7	1
VSD 2	*6SL3210-5BE22-2CV0*	*SinamiCs V20 3AC380-480V 2.2KW with C3 Filter*	*siemens*	*Hq*	9	1
X3		*RJ45 port per panel*		*Hq*	*25th*	1
XAC	*CBC04GR*	*CBC.4/GR Feed-through clamp*	*Cabur*	*Hq*		12
	CBC02GR	*CBC.2/GR Thru-Clamp*	*Cabur*			2
XC	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		8
XFD	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		12
XFD/S	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		12
XM1	*CBC02GR*	*CBC.2/GR Thru-Clamp*	*Cabur*	*Hq*		3
	CBC06GR	*CBC.6/GR Thru-Clamp*	*Cabur*			3
XM2	*CBC02GR*	*CBC.2/GR Thru-Clamp*	*Cabur*	*Hq*		3
	CBC06GR	*CBC.6/GR Thru-Clamp*	*Cabur*			3
XPF1	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		16
	SF900GR	*SFR.4/GR Sectionable clamp*	*Cabur*			2

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BASE LOAD POWER HUB (BLPH)
B-200 LV SWITCH ROOM

Distinta Materiali
Bill of Materials

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00027

FG. 32
F.S. 33

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
XPF2	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		16
	SF900GR	*SFR.4/GR Sectionable clamp*	*Cabur*			2
XPS	*CBC04GR*	*CBC.4/GR Feed-through clamp*	*Cabur*	*Hq*		3
	CBC35gr	*CBC.35/GR Feed-through clamp*	*Cabur*			5
XT	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		13

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FG. 33
F.S. 71_GS_LI