BASE LOAD POWER HUB (BLPH)

B-400 HVAC and LIGHTING PANEL WIRING DRAWING and GENERAL ARRANGEMENT (INCL INTERCONNECTING) - E&I SHELTERS

B400-HSB-001

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
05	27/01/25				ACCEPT FOR CONSTRUCTION (AFC)
04	10/12/24				ACCEPT FOR CONSTRUCTION (AFC)
03	04/09/24				ISSUE FOR CONSTRUCTION (IFC)
02	03/07/24				ISSUE FOR REVIEW (IFR)
01	28/06/24				ISSUE FOR REVIEW (IFR)
00	22/04/24				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-00029

SHEET 001

REV. 05

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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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-400 I&T EQUIPMENT ROOM
COVER

ROSETTI MARINO ALEXSISTEMI spa

1724000049-HV-DA-00029

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				
2A	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				
7	POWER SECTION	X	X	X	X	X				
8	POWER SECTION	X	X	X	X	X				
9	POWER SECTION A	X	X	X	X	X				
10	POWER SECTION A	X	X	X	X	X				
11	POWER SECTION A	X	X	X	X	X				
12	AUX SECTION A	X	X	X	X	X				
13	AUX SECTION A	X	X	X	X	X				
14	AUX SECTION A	X	X	X	X	X				
15	AUX SECTION A	X	X	X	X	X				
16	AUX SECTION A	X	X	X	X	X				
17	POWER SECTION B	X	X	X	X	X				
18	POWER SECTION B	X	X	X	X	X				
19	POWER SECTION B	X	X	X	X	X				
20	AUX SECTION B	X	X	X	X	X				
21	AUX SECTION B	X	X	X	X	X				
22	AUX SECTION B	X	X	X	X	X				
23	AUX SECTION B	X	X	X	X	X				
24	AUX SECTION B	X	X	X	X	X				
25	UPS POWER SUPPLY	X	X	X	X	X				
26	PLC SECTION	X	X	X	X	X				
26A	PLC SECTION	X	X	X	X	X				

Foglio Sheet	Descrizione Description	Revisioni Revisions								
		1	2	3	4	5	6	7	8	9
27	PLC SECTION	X	X	X	X	X				
28	PLC SECTION	X	X	X	X	X				
29	PLC SECTION	X	X	X	X	X				
30	PLC SECTION	X	X	X	X	X				
31	PLC SECTION	X	X	X	X	X				
32	PLC SECTION	X	X	X	X	X				
33	PLC SECTION	X	X	X	X	X				
34	PLC SECTION	X	X	X	X	X				
35	PLC SECTION	X	X	X	X	X				
36	PLC SECTION	X	X	X	X	X				
37	PLC SECTION	X	X	X	X	X				
38	PLC SECTION	X	X	X	X	X				
39	PLC SECTION	X	X	X	X	X				
40	PLC SECTION	X	X	X	X	X				
41	PLC ARCHITECTURE	X	X	X	X	X				
42	EH MODULATION A	X	X	X	X	X				
43	EH MODULATION B	X	X	X	X	X				
44	AVAILABLE SIGNAL	X	X	X	X	X				
45	TERMINAL STRIP	X	X	X	X	X				
46	TERMINAL STRIP	X	X	X	X	X				
47	TERMINAL STRIP	X	X	X	X	X				
48	TERMINAL STRIP	X	X	X	X	X				
49	TERMINAL STRIP	X	X	X	X	X				
50	MATERIAL LIST	X	X	X	X	X				
51	MATERIAL LIST	X	X	X	X	X				
52	MATERIAL LIST	X	X	X	X	X				
53	MATERIAL LIST	X	X	X	X	X				
54	MATERIAL LIST	X	X	X	X	X				

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
INDEX

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 2
F.S. 2A

LISTA FOGLI \ INDEX

Foglio Sheet	Descrizione Description	Revisioni Revisions 1	2	3	4	5	6	7	8	9
55	MATERIAL LIST	X	X	X	X	X				
56	MATERIAL LIST	X	X	X	X	X				
57	MATERIAL LIST	X	X	X	X	X				
58	MATERIAL LIST	X	X	X	X	X				
59	MATERIAL LIST	X	X	X	X	X				
60	MATERIAL LIST	X	X	X	X	X				
61	MATERIAL LIST	X	X	X	X	X				

Foglio Sheet	Descrizione Description	Revisioni Revisions 1	2	3	4	5	6	7	8	9

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B-400 I&T EQUIPMENT ROOM

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ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 2A
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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B-400 I&T EQUIPMENT ROOM

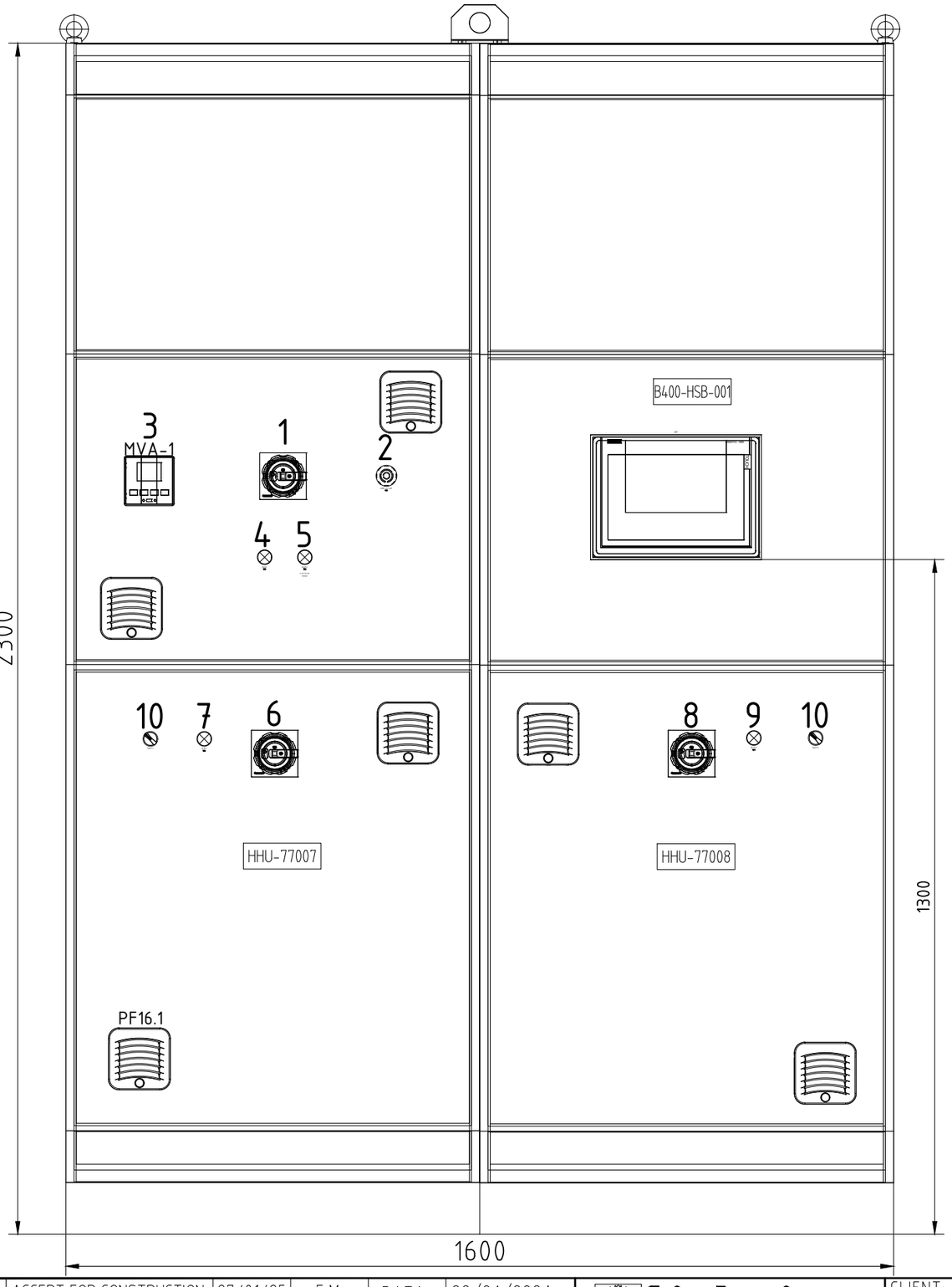
SIMBOL LIST

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 3
F.S. 4

EXTERNAL VIEW



LABEL	
1	MAIN SWITCH
2	ERGENCY POWER BUTTON
3	MULTIMETER
4	230V AC PRESENCE
5	24V DC PRESENCE
6	HHU-77007 MAIN SWITCH
7	230VAC PRESENCE
8	HHU-77008 MAIN SWITCH
9	230VAC PRESENCE
10	AUTO-0-MANUAL

CABINET QUOTE:
LENGHT 1600mm
HEIGHT 2300mm
DEPT 600mm

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SERIAL n.: *Matricola n.:*	1629
TAG: *Codice identificativo:*	B400-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:*	1150 Kg

CE

FRIGOTERMICA JOB NUMBER: 4112

SCALE 1:10

REV.	MODIFICA	DATA	FIRMA		
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

EXTERNAL VIEW

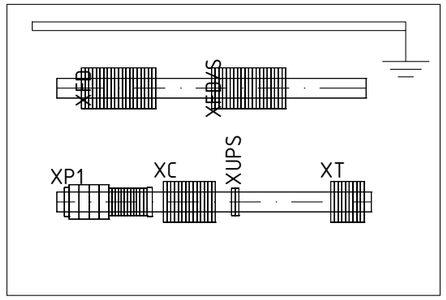
ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 4
F.S. 5

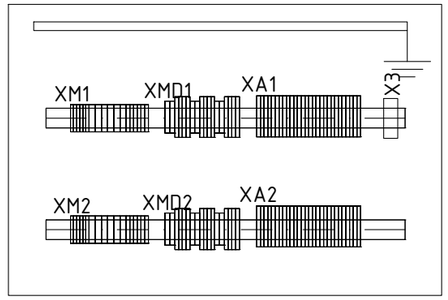
INTERNAL VIEW

PLATE 700 x 470



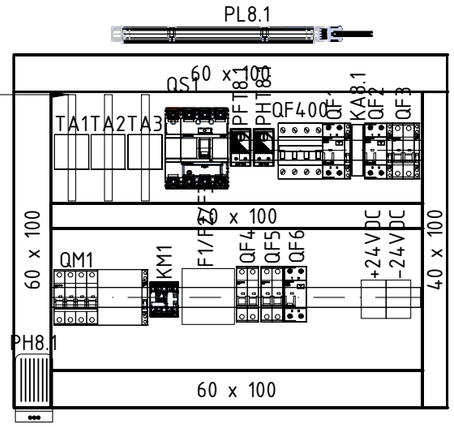
CABLE ENTRY FROM TOP
WITH CABLE GLANDS

PLATE 700 x 470_2



COPPER BAR

PLATE 700 x 570



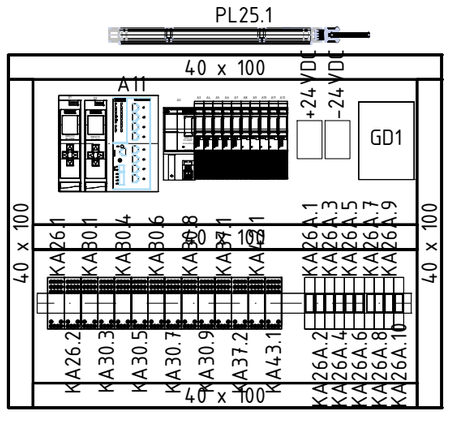


PLATE 700 x 570_2

PLATE 700 x 870

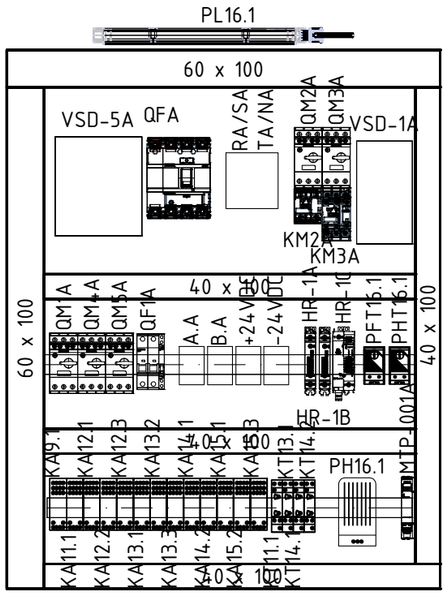
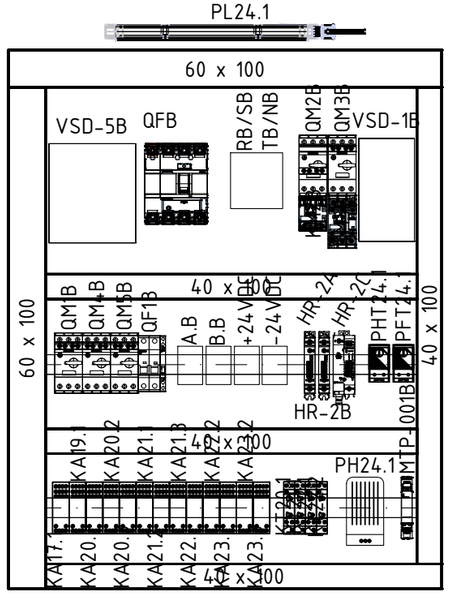


PLATE 700 x 870_2



SCALE 1:10

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

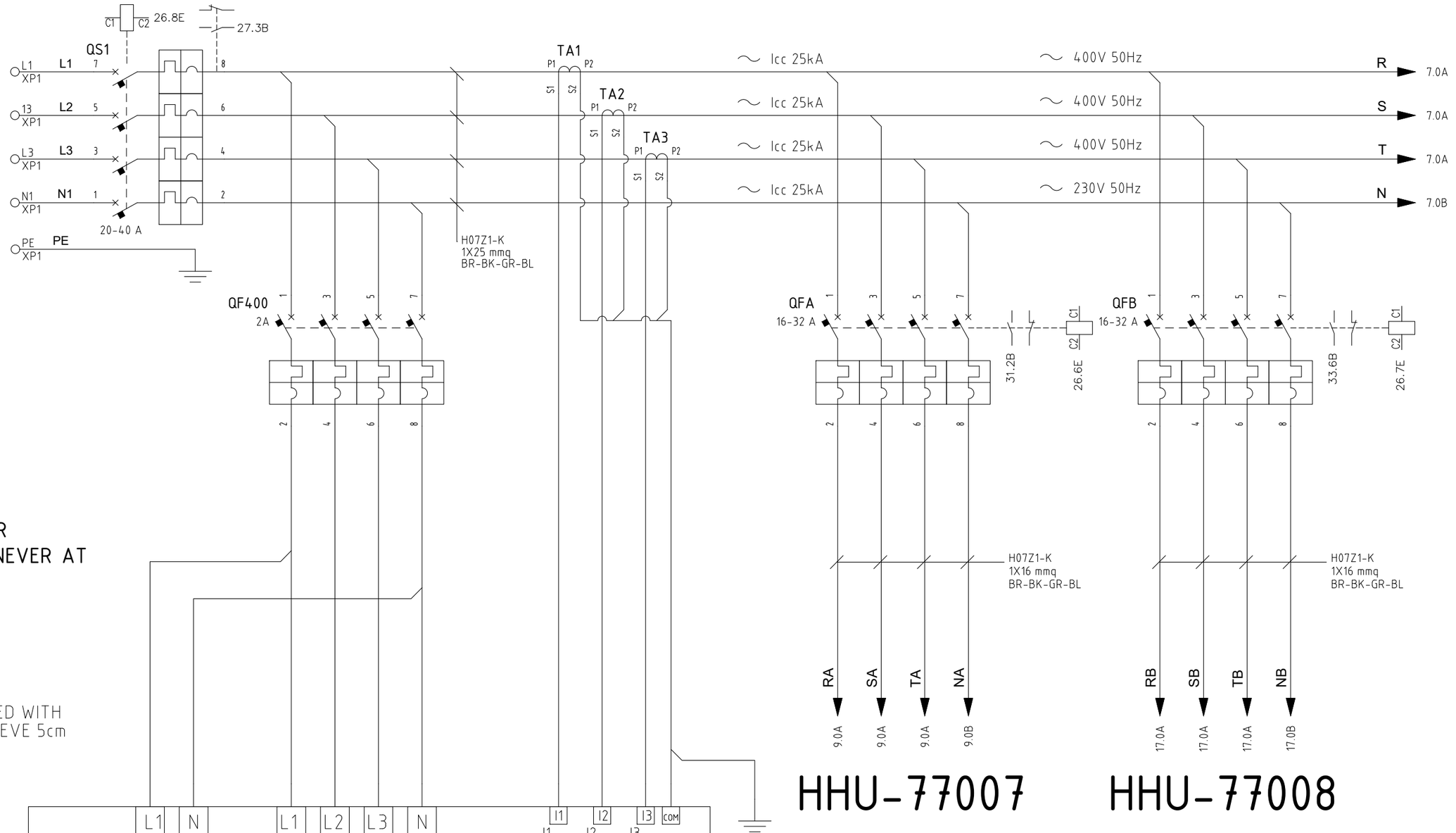
INTERNAL VIEW

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 5
F.S. 6

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



RATED POWER: 18.08 kW
RATED CURRENT: 29.10 A

ONLY UNIT HHU-77007 OR
HHU-77008 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

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
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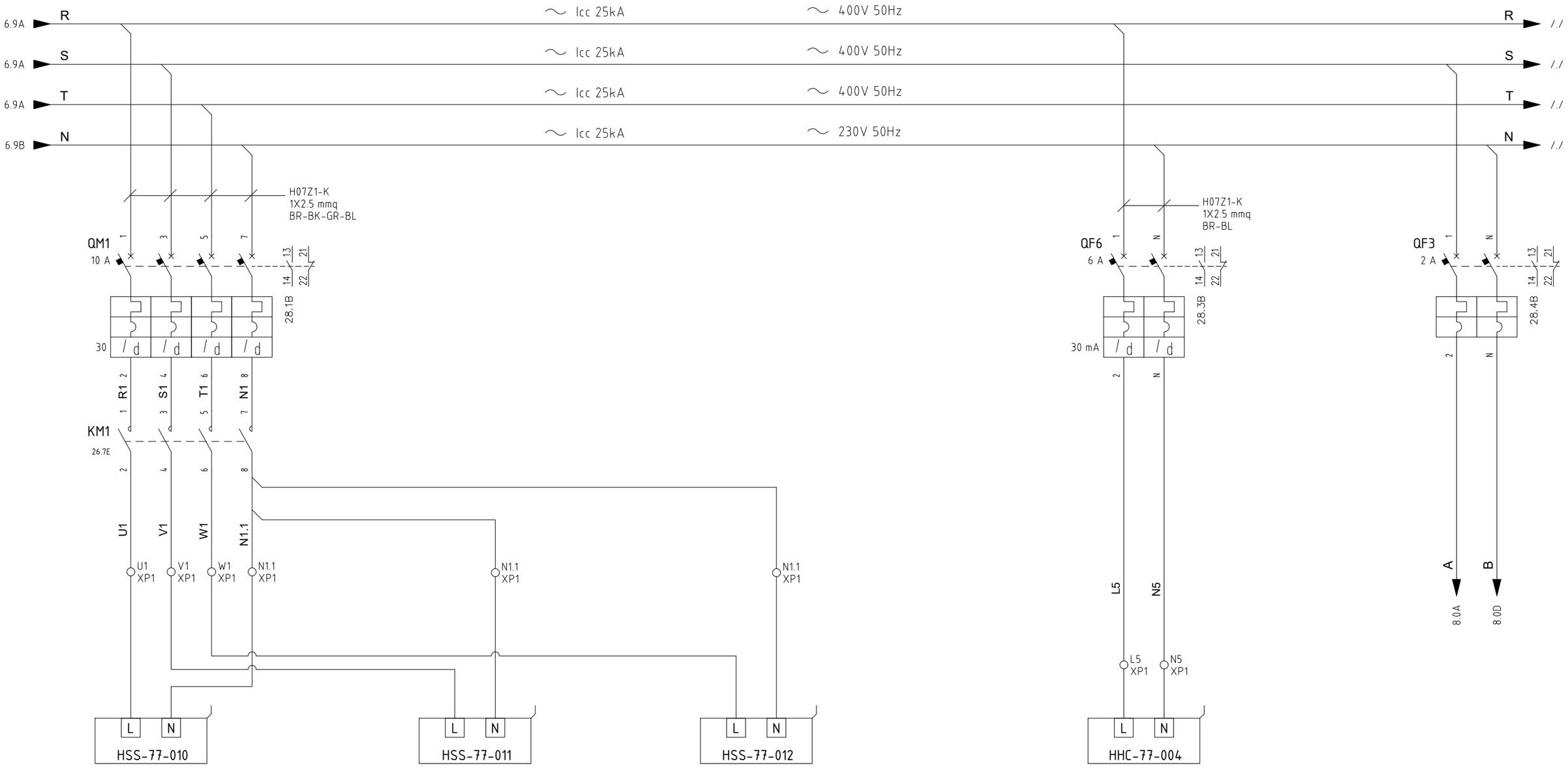
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
POWER SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

F.G. 6
F.S. 7



HSS-77-010	
ELECTRICAL HEATER	
RATED	ABSORBED
2 kW	2 kW
8.7 A	8.7 A

HSS-77-011	
ELECTRICAL HEATER	
RATED	ABSORBED
2 kW	2 kW
8.7 A	8.7 A

HSS-77-012	
ELECTRICAL HEATER	
RATED	ABSORBED
2.7 kW	2 kW
8.7 A	8.7 A

HHC-77-004	
HEATIN CABLE	
RATED	ABSORBED
0.2 kW	0.2 kW
1.1 A	1.1 A

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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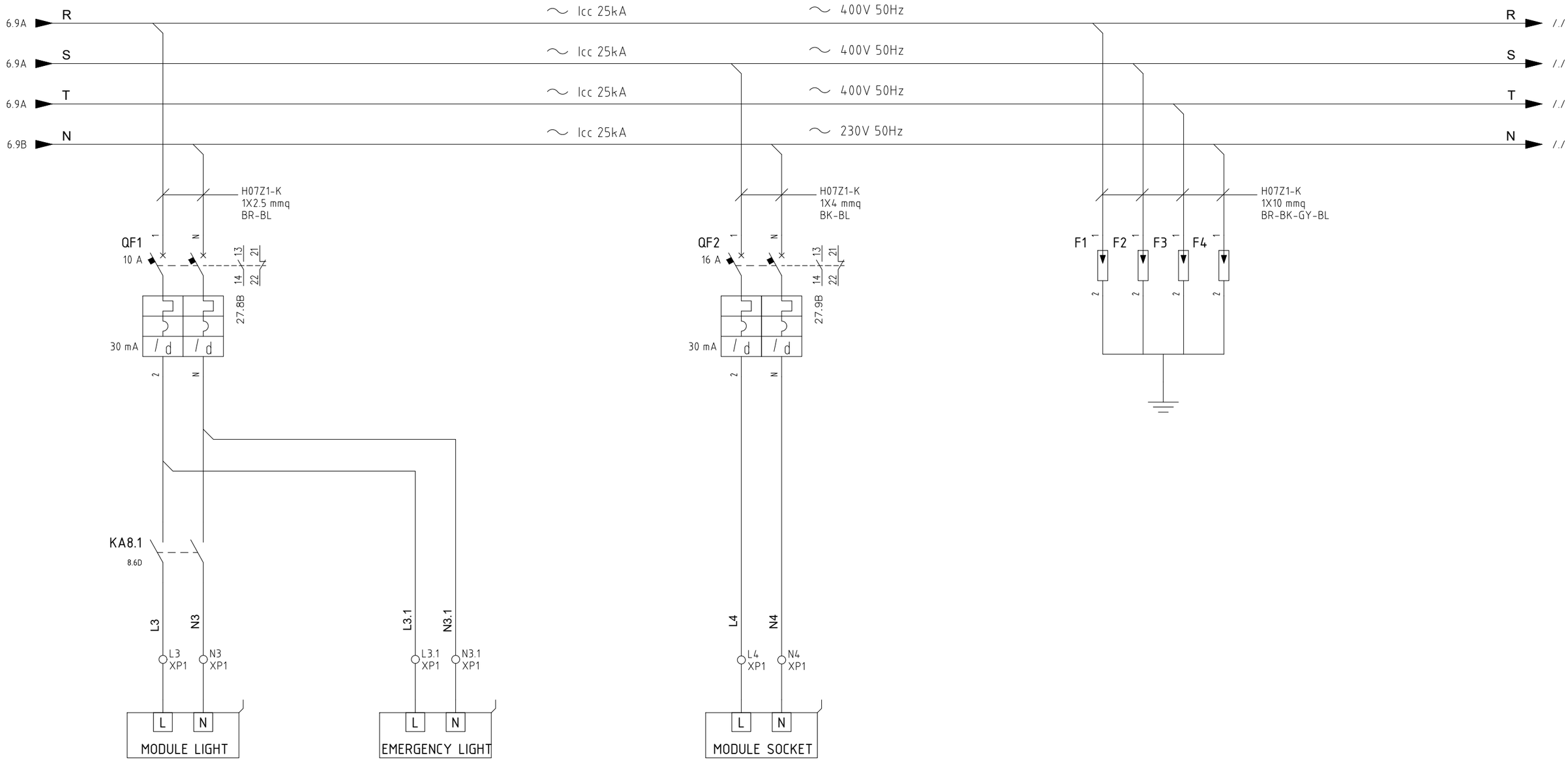
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
POWER SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 7
F.S. 7A



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

MODULE INTERNAL SOCKET	
RATED	ABSORBED
3.5 kW	3.5 kW
16 A	16 A

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DATA	22/04/2024
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VISTO	S.S.
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

POWER SECTION
Power section

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 7A
F.S. 8

PANEL INTERNAL LIGHT POWER SECTION

PANEL ANTI CONDENSING HEATER POWER SECTION

PANEL FAN VENTILATION POWER SECTION

230V VOLTAGE PRESENCE LIGHT POWER SECTION

MODULE LIGHT

7.7D A

A ./.

PLS8.1 13 14

8.1

PL8.1 X1 X2

PHT8.1 13 14 t<

8.2

PH8.1

PFT8.1 13 14 t>

8.3

PF8.1

M 1~ A1

HL8.1 X1 X2 WH

KA26.2

8.4

KA8.1 A1 A2

7A.1D
7A.1D

7.8D B

B ./.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

POWER SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 8
F.S. 9

HHU-77007
SECTION

RATED POWER: 15 kW
RATED CURRENT: 29.76 A

ABSORBED POWER: 10 kW
ABSORBED CURRENT: 18.3 A

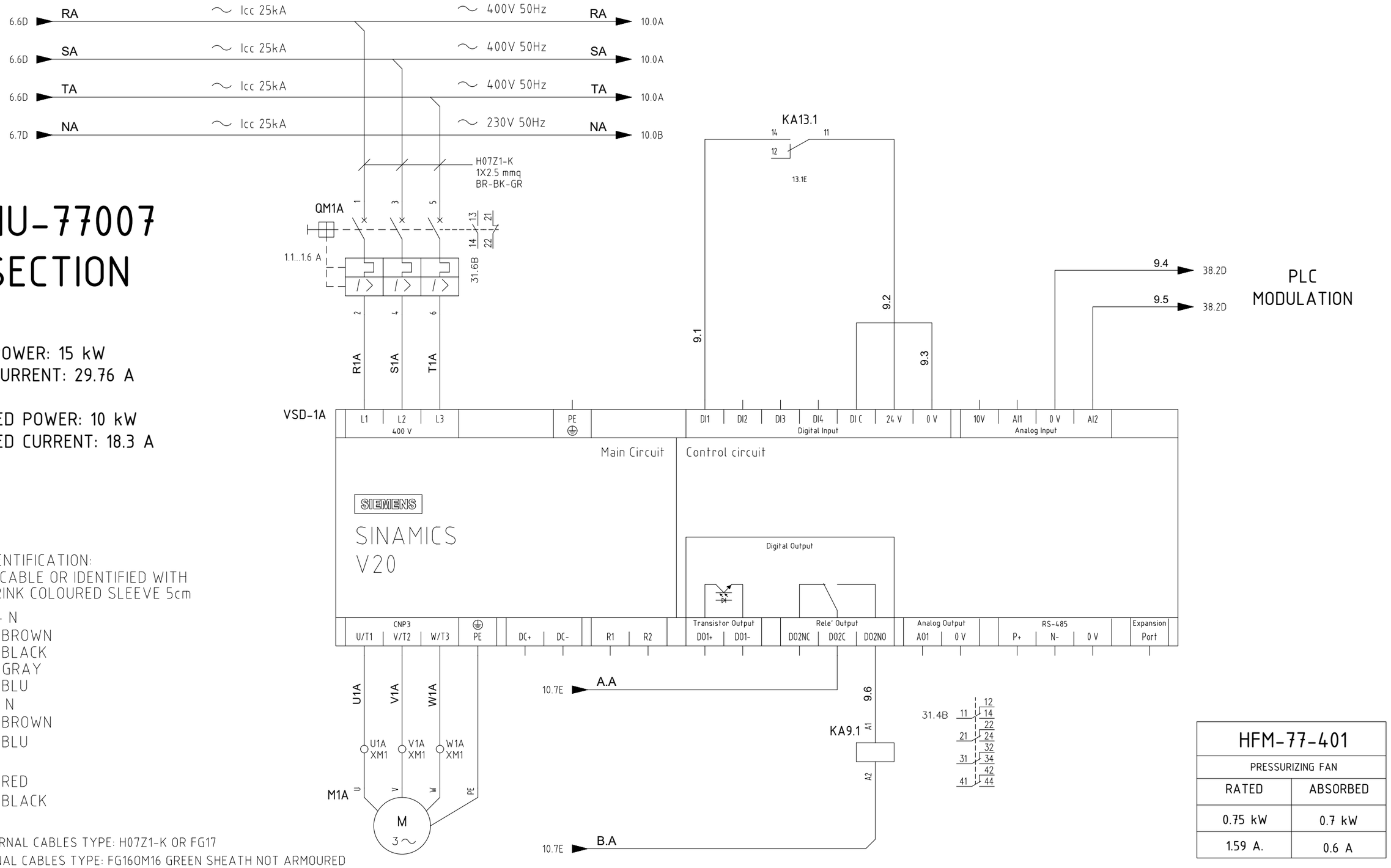
COLOR IDENTIFICATION:
COLORED CABLE OR IDENTIFIED WITH
HEAT SHRINK COLOURED SLEEVE 5cm

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: FG160M16 GREEN SHEATH NOT ARMOURED



HFM-77-401	
PRESSURIZING FAN	
RATED	ABSORBED
0.75 kW	0.7 kW
1.59 A.	0.6 A

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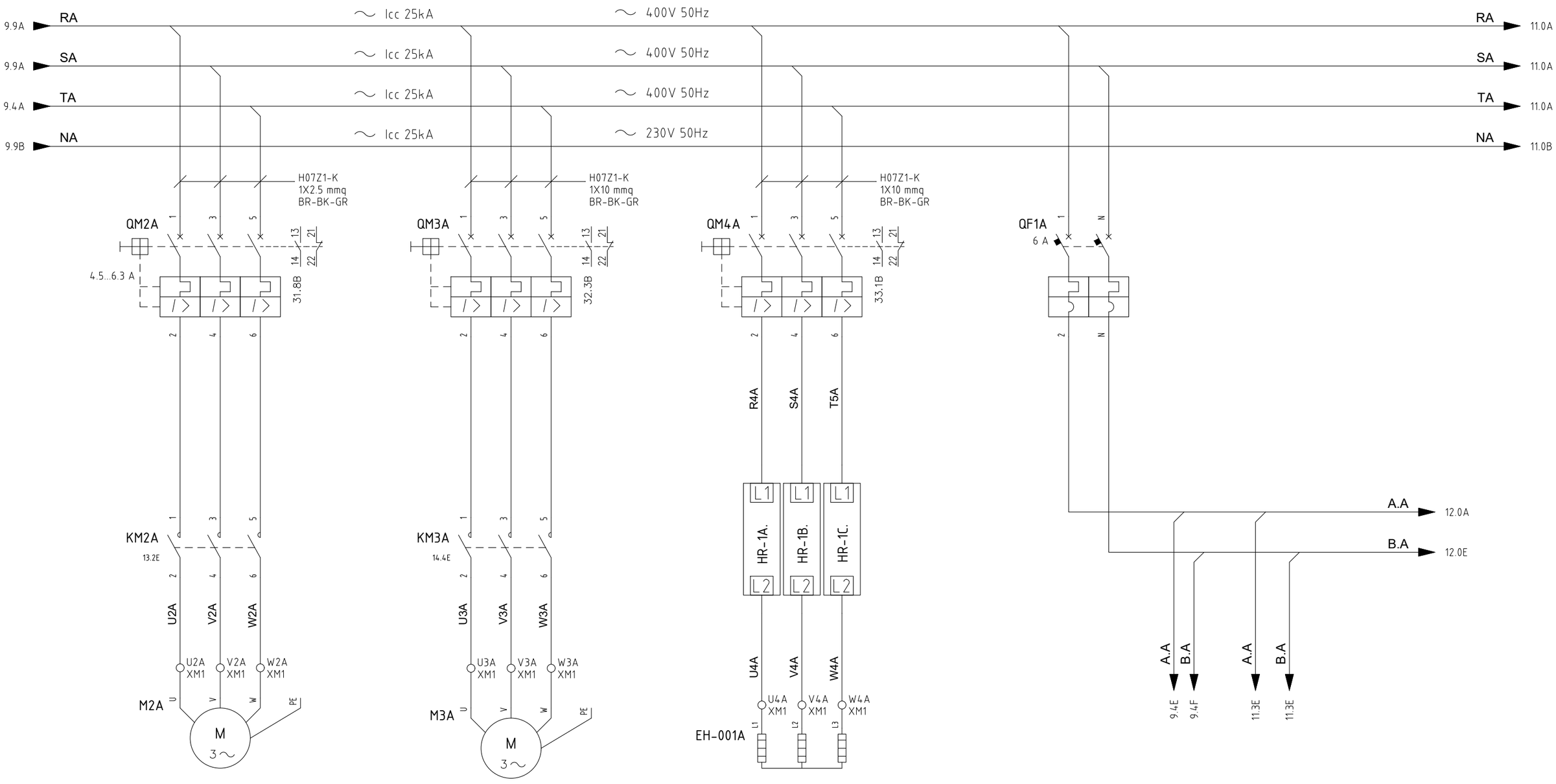
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
POWER SECTION A

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 9
F.S. 10



HFM-77-402	
SUPPLY FAN	
RATED	ABSORBED
3 kW	2.48 kW
6.33 A	4.21 A

HCO-77-401	
COMPRESSOR 1 A	
RATED	ABSORBED
9.8 kW	6.21 kW
16.8 A	11.5 A

HSS-77-401	
ELECTRICAL HEATER	
RATED	ABSORBED
9 kW	9 kW
13 A	13 A

REV.	MODIFICA	DATA	FIRMA	APPR.	
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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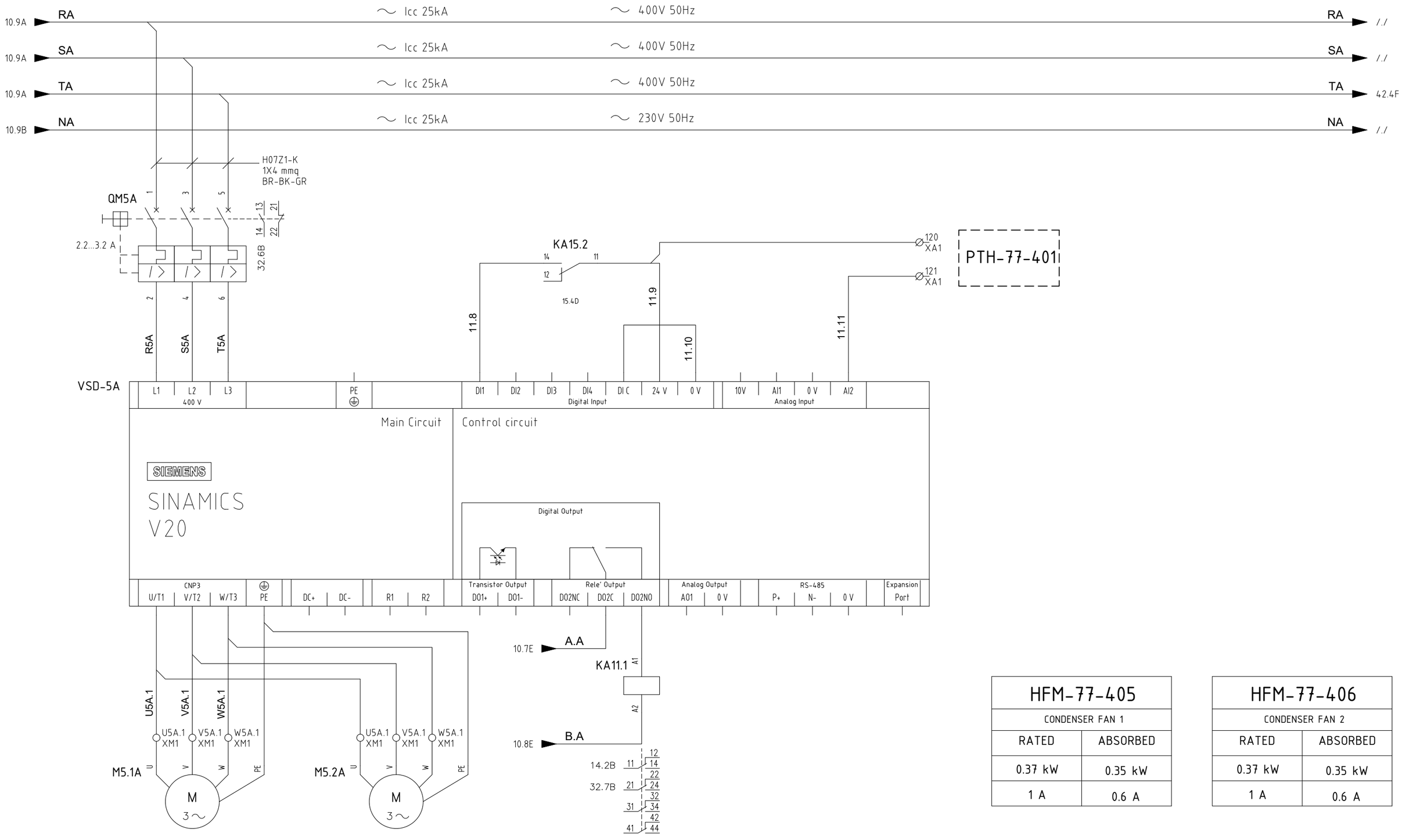
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
POWER SECTION A

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 10
F.S. 11



HFM-77-405	
CONDENSER FAN 1	
RATED	ABSORBED
0.37 kW	0.35 kW
1 A	0.6 A

HFM-77-406	
CONDENSER FAN 2	
RATED	ABSORBED
0.37 kW	0.35 kW
1 A	0.6 A

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
POWER SECTION A

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 11
F.S. 12

START / STOP HHU-77007	MOTORISED DAMPER POWER SUPPLY	MOTORISED DAMPER OPEN SIGNAL HHU-77007	MOTORISED DAMPER CLOSED SIGNA HHU-77007	MOTORISED DAMPER NOT OPEN ALARM SIGNAL HHU-77007

10.8D A.A

KA30.3
30.5D

KA12.3
12.7E

12.2

KA12.1
12.5E

12.3

KT11.1
60"

On–D 12.7B

HDZ-77-401 HDZ-77-401
HDZ-77-402 HDZ-77-402
HDZ-77-403 HDZ-77-403

12.4 12.7 12.5 12.8 12.6 12.9

KA12.1 KA12.2

KA12.3

Delay/Ritardo
KT11.1
12.1E

12.10 12.11

KA12.3
12.7E

KA37.1
37.2D

A.A 13.0A

10.8D B.A

B.A 13.0E

12.1C
13.1B
13.2B
31.2B

31.2B

12.1C
12.8B
28.5B

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
AUX SECTION A

ROSETTI MARINO ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 12
F.S. 13

1	2	4	5	7
PRESSURIZING FAN START / STOP HH-77007	SUPPLY AIR FAN START/STOP HH-77007	SUPPLY AIR FAN BROKEN BELT ALARM HHU-77007	SUPPLY AIR FAN MOTOR HEATER HHU-77007	PRESSURIZIN FAN OVERLOAD PROTECTION HHU-77007

12.9A A.A — A.A 14.0A

KA12.1 12.5E — 21 24 22 — 13.1
KA13.3 13.8E — 11 14 12 — 13.2
KA13.1 A1 A2
KA12.1 12.5E — 31 34 32 — 13.3
KM2A A1 A2
KA37.1 37.2D — 21 24 22 — 13.4
KT13.1 A1 A2
PDSL-77-401 — 100 XA1, 101 XA1 — 13 14
KA13.2 13.4E — 11 14 12 — 13.5
KA13.2 A1 A2
KT13.1 13.3E — Delay/Ritardo
KM2A 13.2E — 21 22 — 13.6
HSS-77-403 — 108 XA1, 109 XA1
MTP-001A — A1/11 — SIEMENS — TRIPPED — NC NO — T1 T2 A2 12 14 — 13.7 13.8 — 102 XA1, 103 XA1
TE-77-401
KA13.3 A1 A2 — 13.9

12.9E B.A — B.A 14.0E

9.5B 11 14 12 / 21 24 22 / 31 34 32 / 41 44 42
10.1D 2 1
10.1D 4 3
10.1D 6 5
14.1B 14 13
31.7B 44 43
13.5B 22 21 / 32 31
13.4B On-D
13.4C 11 14 12 / 21 24 22 / 29.4B 31 34 32 / 41 44 42
13.1C 11 14 12 / 21 24 22 / 29.1B 31 34 32 / 41 44 42

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
AUX SECTION A

ROSETTI MARINO — ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 13
F.S. 14

PRESSURIZING FAN NìMOTOR HEATER
HHU-77007

COMPRESSOR START/STOP
HHU-77007

LOW PRESSURE ALARM
HHU-77007

HIGH PRESSURE ALARM
HHU-77007

COMPRESSOR OIL HEATER
HHU-77007

13.9A A.A

A.A 15.0A

KA30.4
30.6D

KA30.5
35.6D
PLC START

KM2A
13.2E

KA14.1
14.5E

KA14.2
14.7E

KA11.1
11.4E

KT14.1
14.2E
Delay/Ritardo

KT14.2
14.4E
Delay/Ritardo

PSL-77-401
p<

PSH-77-401
p>

KA14.1
14.5E

KA37.1
37.2D

KA14.2
14.7E

KA37.1
37.2D

KM3A
14.4E

128 XA1
129 XA1
126 XA1
127 XA1
110 XA1
111 XA1
112 XA1
113 XA1

HSS-77-402

HSS-77-404

KT14.1 A1 A2 120"

KM3A A1 A2

KT14.2 A1 A2 10"

KA14.1 A1 A2

KA14.2 A1 A2

14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.9 14.10 14.11 14.12 14.13

13.9E B.A

B.A 15.0E

On–D 14.4B

On–D 14.5C

10.3D 2 1
10.3D 4 3
10.3D 6 5
15.1B 14 13
32.2B 44 43
14.8B 22 21
32 31

14.2C 11 12 14
14.6B 21 22 24
32.5B 31 32 34
41 42 44

14.2D 11 12 14
14.8B 21 22 24
32.4B 31 32 34
41 42 44

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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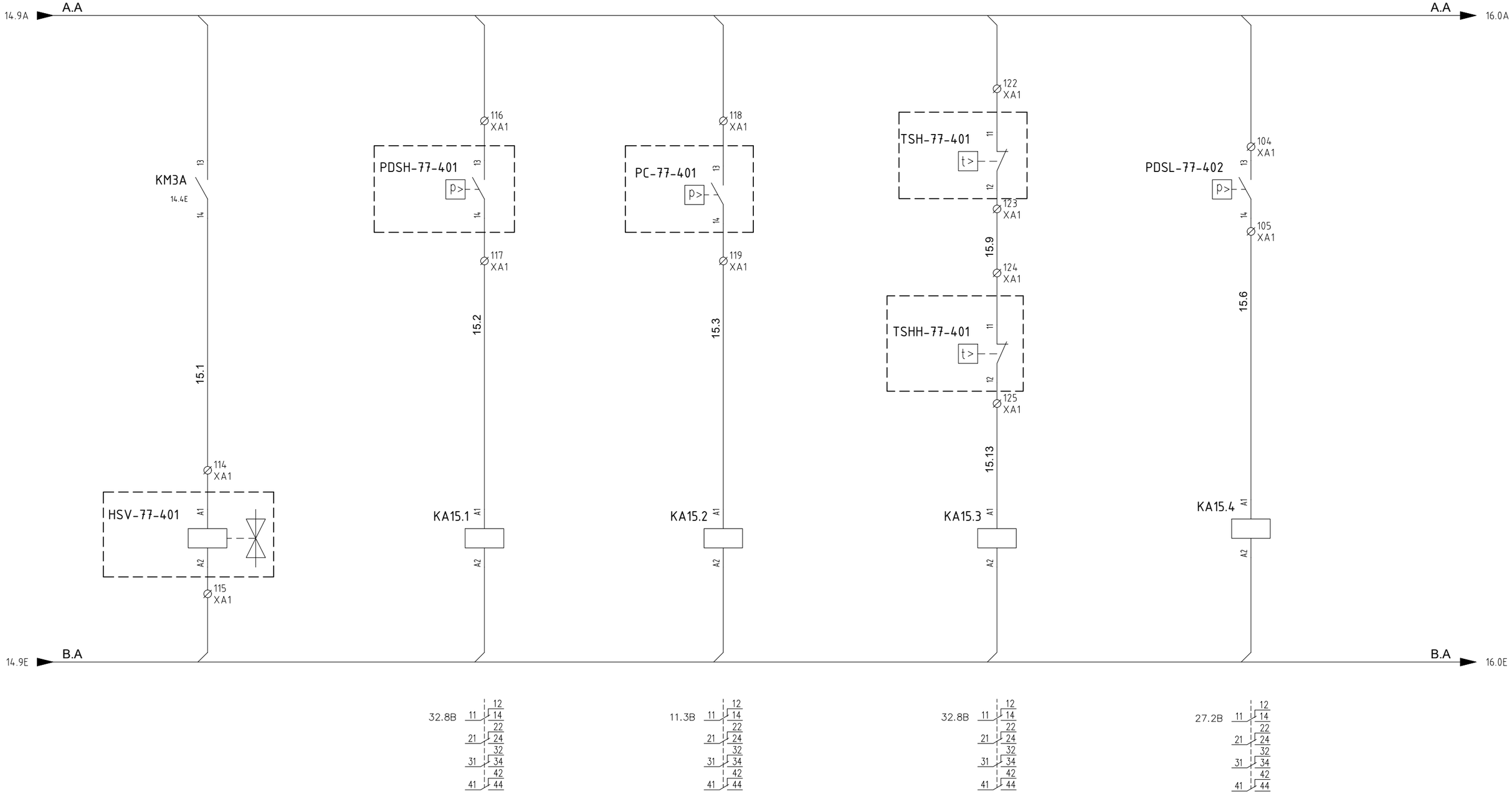
BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
AUX SECTION A

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00029

F.G. 14
F.S. 15

SOLENOID VALVE	FILTER CLOGGED	CONDENSING PRESSURE SWITCH	ELECTRICAL HEATER SECURITY THERMOSTATE	PRESSURIZING FAN LOW PRESSURE SWITCH
HHU-77007	HHU-77007	HHU-77007	HHU-77007	



REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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B-400 I&T EQUIPMENT ROOM

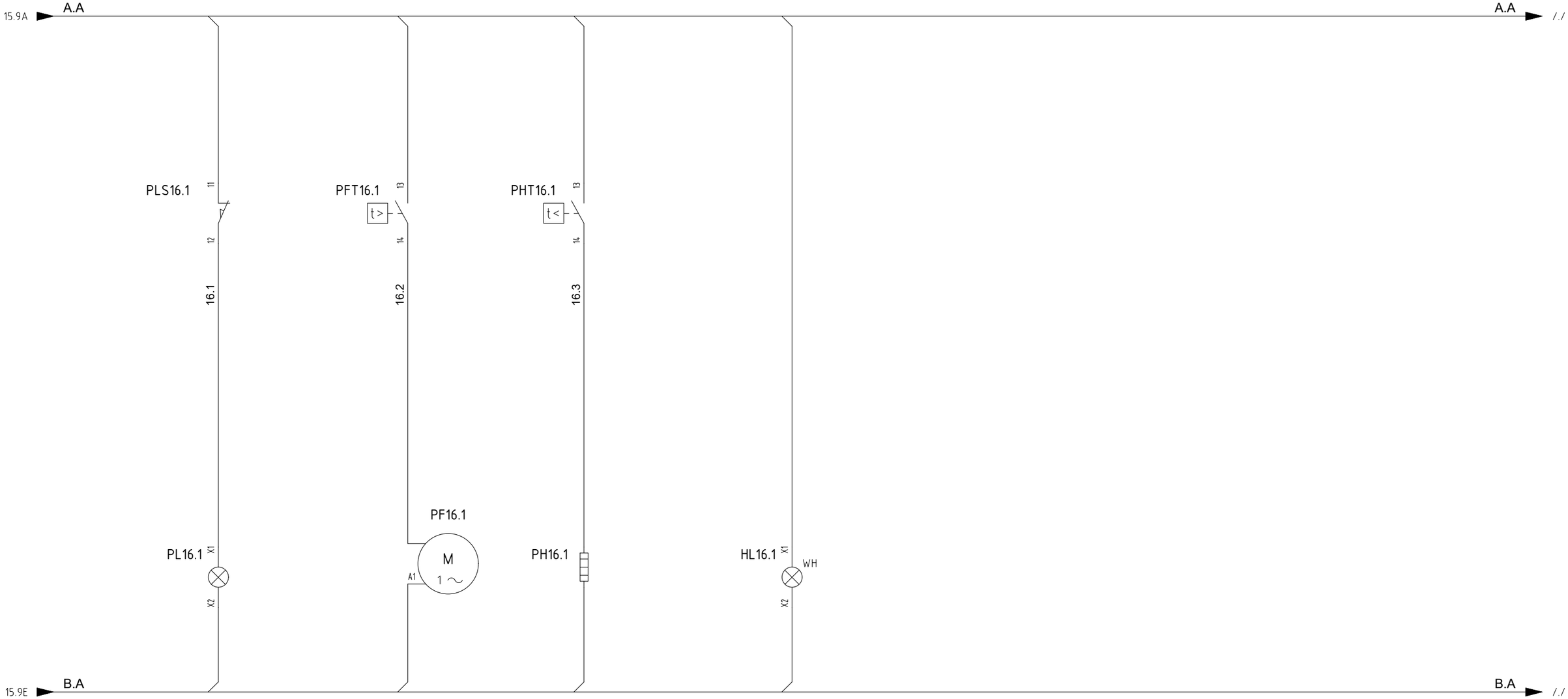
AUX SECTION A

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 15
F.S. 16

PANEL INTERNAL LIGHT	PANEL FAN	PANEL HEATER	230V AUX VOLTAGE PRESENCE
HHU-77007	HHU-77007	HHU-77007	HHU-77007



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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

AUX SECTION A

ROSETTI MARINO | ALEXSISTEMI spa

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FG. 16
F.S. 17

HHU-77008
SECTION

RATED POWER: 15 kW
RATED CURRENT: 29.76 A

ABSORBED POWER: 10 kW
ABSORBED CURRENT: 18.3 A

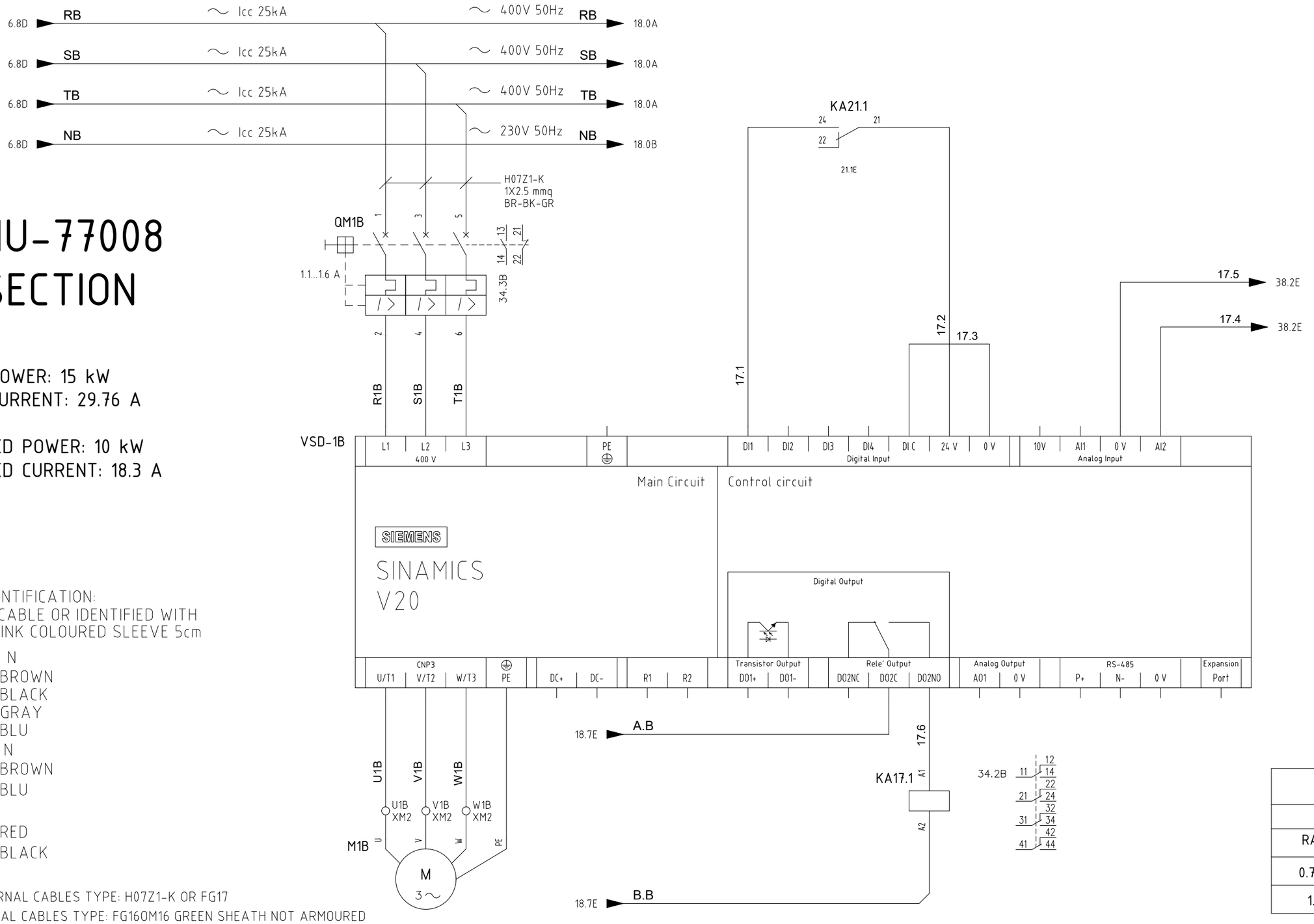
COLOR IDENTIFICATION:
COLORED CABLE OR IDENTIFIED WITH
HEAT SHRINK COLOURED SLEEVE 5cm

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: FG160M16 GREEN SHEATH NOT ARMOURED



HFM-77-403	
PRESSURIZING FAN	
RATED	ABSORBED
0.75 kW	0.7 kW
1.6 A	0.6 A

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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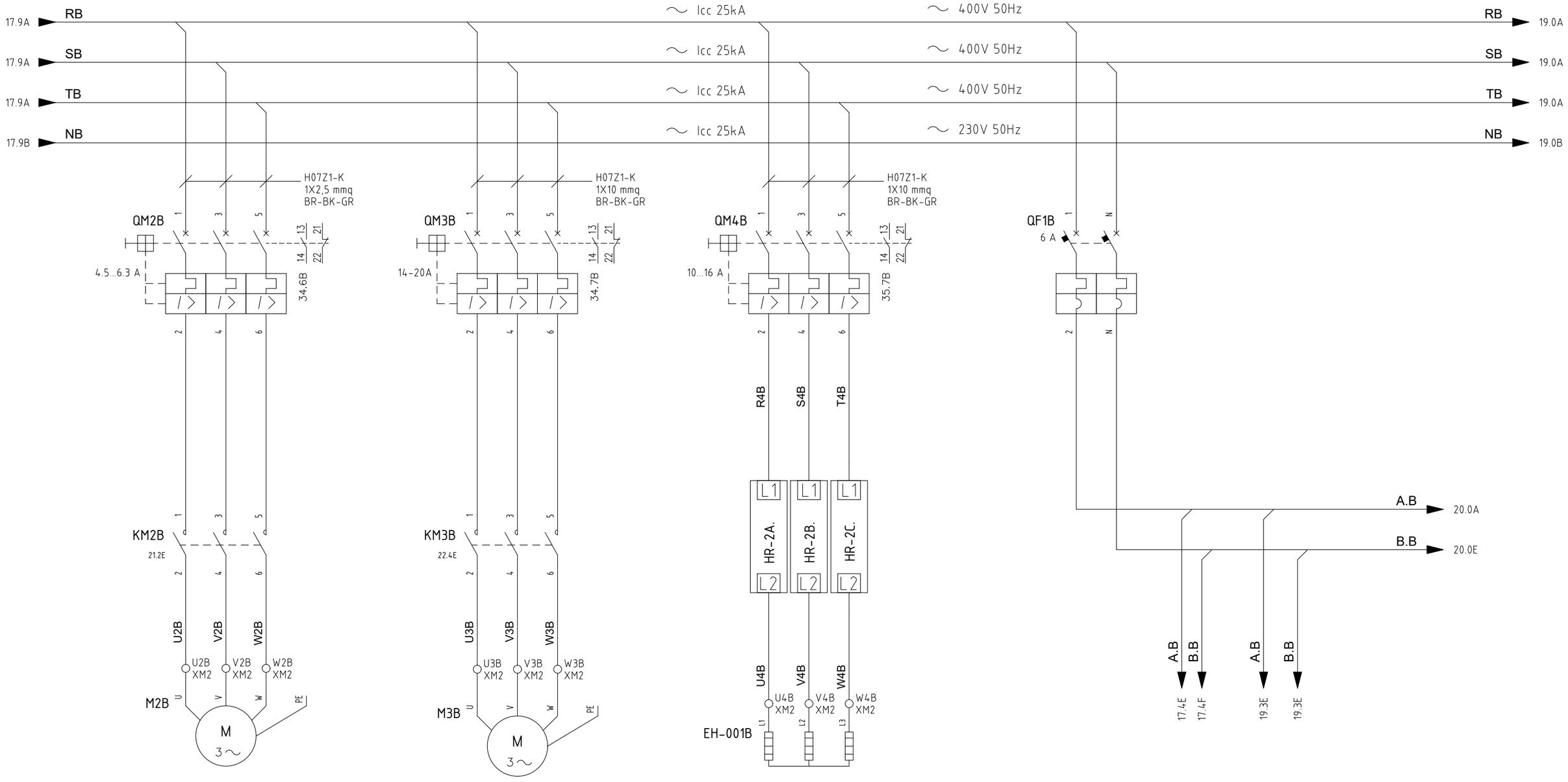
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
POWER SECTION B

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 17
F.S. 18



HFM-77-404	
SUPPLY FAN	
RATED	ABSORBED
3.00 kW	2.48 kW
6.33 A	4.21 A

HCO-77-402	
COMPRESSOR 1 A	
RATED	ABSORBED
9.80 kW	6.21 kW
16.8 A	11.5 A

HSS-77-405	
ELECTRICAL HEATER	
RATED	ABSORBED
9 kW	9 kW
13 A	13 A

REV.	MODIFICA	DATA	FIRMA	APPR.	
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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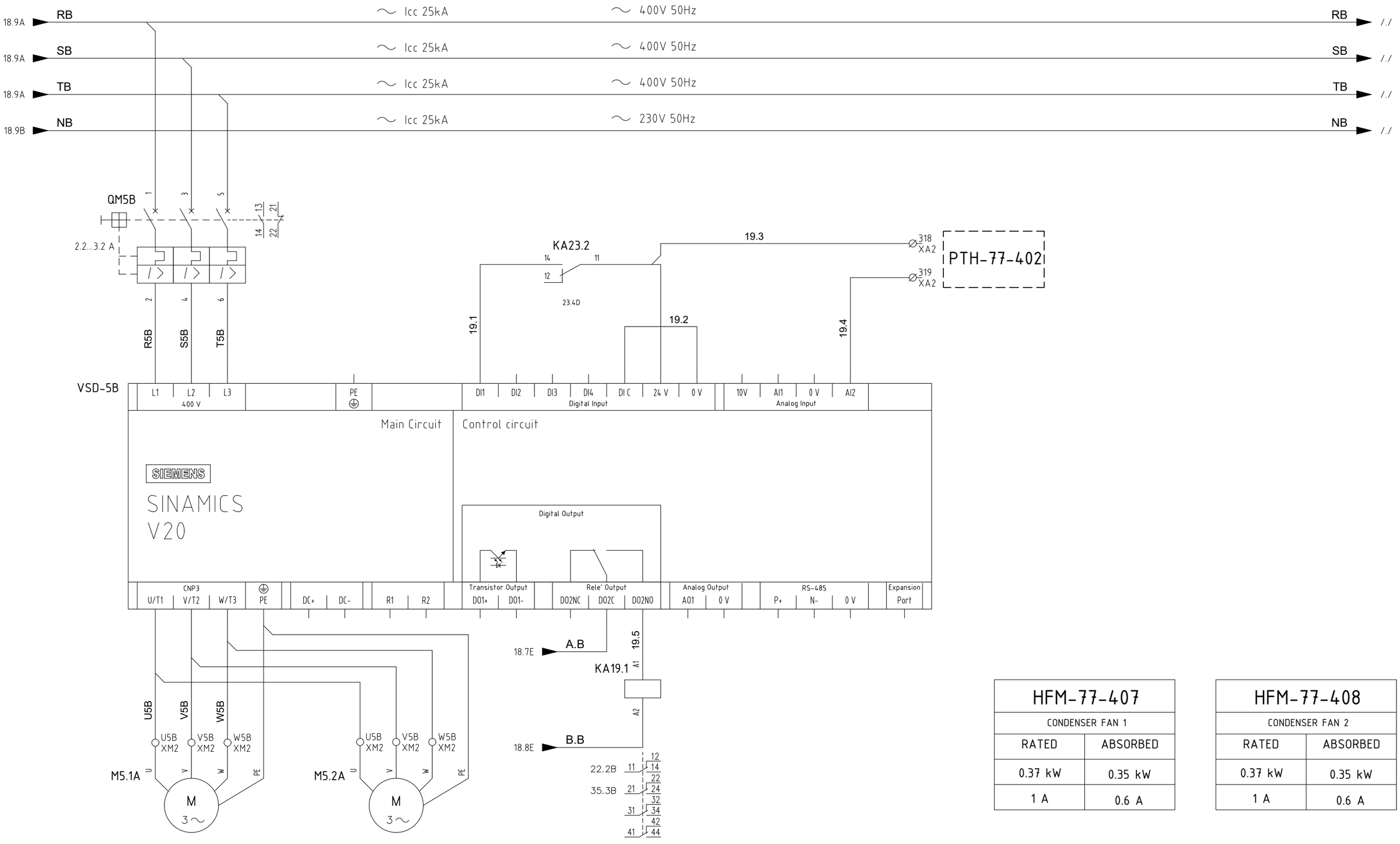
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
POWER SECTION B

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 18
F.S. 19



HFM-77-407	
CONDENSER FAN 1	
RATED	ABSORBED
0.37 kW	0.35 kW
1 A	0.6 A

HFM-77-408	
CONDENSER FAN 2	
RATED	ABSORBED
0.37 kW	0.35 kW
1 A	0.6 A

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
POWER SECTION B

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 19
F.S. 20

START / STOP HHU-77008	MOTORISED DAMPER POWER SUPPLY	MOTORISED DAMPER OPEN SIGNAL HHU-77008	MOTORISED DAMPER CLOSED SIGNA HHU-77008	MOTORISED DAMPER NOT OPEN ALARM SIGNAL HHU-77008

18.8D A.B

KA30.6
35.7D
UNIT B
START FROM PLC
12 14
11
20.1
11
KA20.3
20.7E
14 12
20.3
11
KA20.1
20.5E
14 12
20.4
A1
KT20.1
60"
A2
On–D 20.7B

200 XMD2
HDZ-77-404
M 1~
A1
201 XMD2

206 XMD2
HDZ-77-405
M 1~
A1
207 XMD2

212 XMD2
HDZ-77-406
M 1~
A1
213 XMD2

202 XMD2
HDZ-77-404
13 11
14 12
203 XMD2
20.5
208 XMD2
HDZ-77-405
13 11
14 12
209 XMD2
20.6
214 XMD2
HDZ-77-406
13 11
14 12
215 XMD2
20.7
KA20.1
A1
A2

204 XMD2
205 XMD2
20.8
210 XMD2
211 XMD2
20.9
216 XMD2
217 XMD2
20.10
KA20.2
A1
A2

KA20.3
20.7E
21
24 22
Delay/Ritardo
KT20.1
20.1E
20.11
11
KA37.2
37.3D
14 12
20.12
KA20.3
A1
A2

18.8D B.B

A.B 21.0A

B.B 21.0E

20.1C 11 12 14
21.1B 21 22 24
31.4B 31 32 34
21.2B 41 42 44

33.7B 11 12 14
21 22 24
31 32 34
41 42 44

20.1C 11 12 14
20.8B 21 22 24
33.6B 31 32 34
41 42 44

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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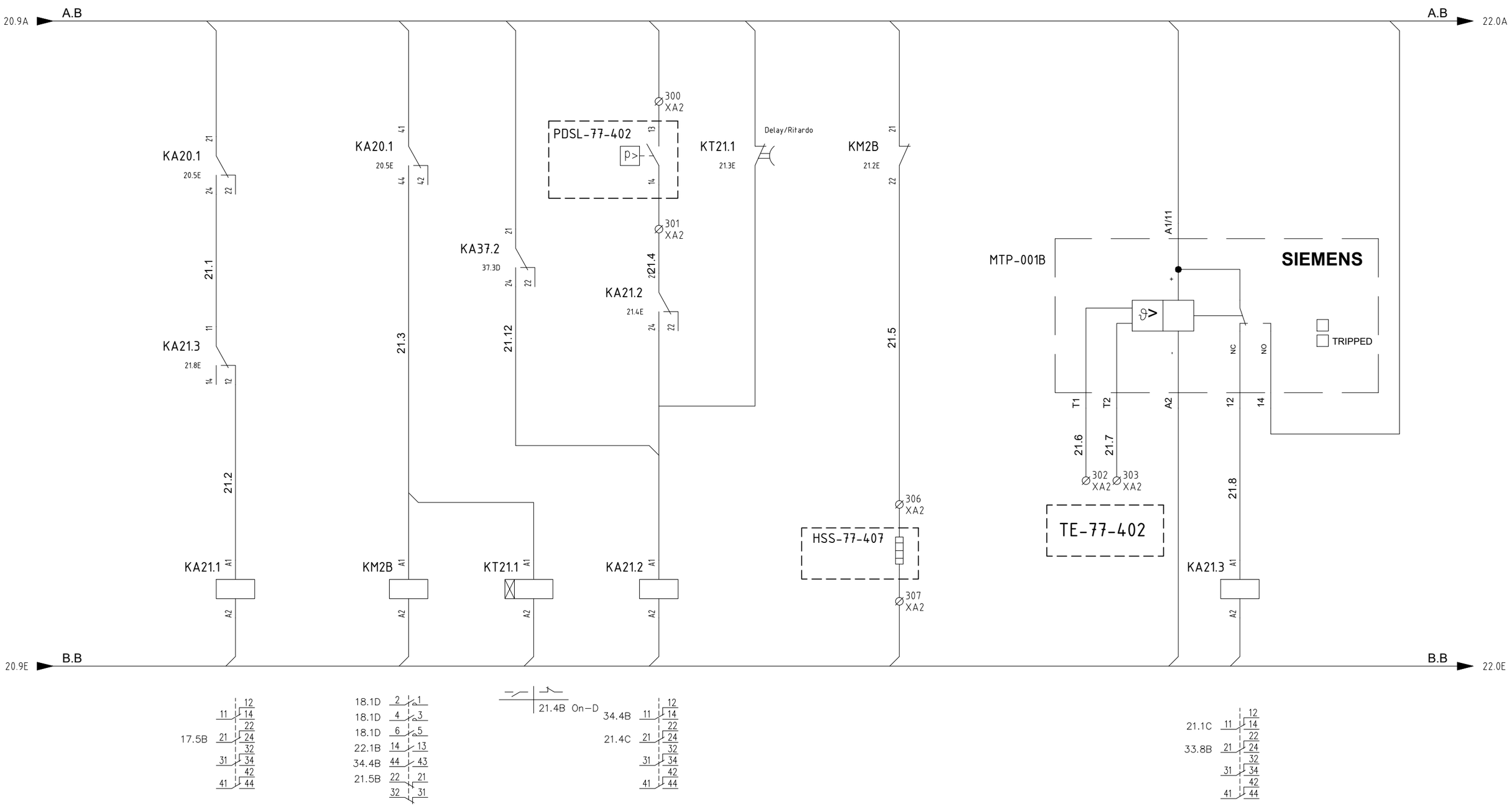
BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
AUX SECTION B

ROSETTI MARINO ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 20
F.S. 21

1	2	3	4	5	6	7	8	9
PRESSURIZING FAN START / STOP HHU-77008	SUPPLY AIR FAN START/STOP HHU-77008		SUPPLY AIR FAN BROKEN BELT ALARM HHU-77008		SUPPLY AIR FAN MOTOR HEATER HHU-77008		PRESSURIZIN FAN OVERLOAD PROTECTION HHU-77008	



REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
AUX SECTION B

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 21
F.S. 22

PRESSURIZING FAN MOTOR HEATER
HHU-77008

COMPRESSOR START/STOP
HHU-77008

LOW PRESSURE ALARM
HHU-77008

HIGH PRESSURE ALARM
HHU-77008

COMPRESSOR OIL HEATER
HHU-77008

21.9A A.B

A.B 23.0A

KA30.8
30.9D

KA30.7
30.8D

KM2B
21.2E

KA22.1
22.5E

KA22.2
22.7E

KA19.1
19.4E

KT22.1
22.2E
Delay/Ritardo

PSL-77-402

PSH-77-402

KA22.1
22.5E

KT22.2
22.4E
Delay/Ritardo

KA37.2
37.3D

KA22.2
22.7E

KA37.2
37.3D

KM3B
22.4E

22.1 22.2 22.3 22.4 22.5 22.6 22.7 22.8 22.9 22.10 22.11 22.12 22.13

308 XA2
HSS-77-406
309 XA2

KT22.1 A1 120" A2

KM3B A1 A2

KT22.2 A1 10" A2

KA22.1 A1 A2

KA22.2 A1 A2

310 XA2
HSS-77-408
311 XA2

21.9E B.B

B.B 23.0E

On-D 14.4B

On-D 14.5C

18.3D 2 1
18.3D 4 3
18.3D 6 5
23.1B 14 13
34.7B 44 43
22.8B 22 21
32 31

22.2C 11 12 14
22.6B 21 22 24
35.2B 31 32 34
41 42 44

22.2D 11 12 14
22.8B 21 22 24
34.8B 31 32 34
41 42 44

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
AUX SECTION B

ROSETTI MARINO ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 22
F.S. 23

1	3	4	6	7
SOLENOID VALVE HHU-77008	FILTER CLOGGED HHU-77008	CONDENSING PRESSURE SWITCH HHU-77008	ELECTRICAL HEATER SECURITY THERMOSTATE HHU-77008	PRESSURIZING FAN LOW PRESSURE SWITCH

22.9A A.B

A.B 24.0A

KM3B 22.4E 13 14

PDSH-77-403 p> 13 14

PC-77-402 p> 13 14

TSH-77-402 t> 11 12

PDSL-77-404 p> 13 14

TSHH-77-402 t> 11 12

312 XA2

313 XA2

314 XA2

315 XA2

316 XA2

317 XA2

320 XA2

321 XA2

322 XA2

323 XA2

328 XA2

329 XA2

23.1

23.2

23.3

23.4

23.5

23.6

HSV-77-402 A1 A2

KA23.1 A1 A2

KA23.2 A1 A2

KA23.3 A1 A2

KA23.4 A1 A2

22.9E B.B

B.B 24.0E

35.4B 11 12 14 21 22 24 31 32 34 41 42 44

19.3B 11 12 14 21 22 24 31 32 34 41 42 44

35.6B 11 12 14 21 22 24 31 32 34 41 42 44

27.5B 11 12 14 21 22 24 31 32 34 41 42 44

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

Frigotermica
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S.p.186–Cornegliano Laud. (Lo) Italy
tel. 0039–0371–69076
frigotermica@frigotermica.com

CLIENT: CROSSWIND

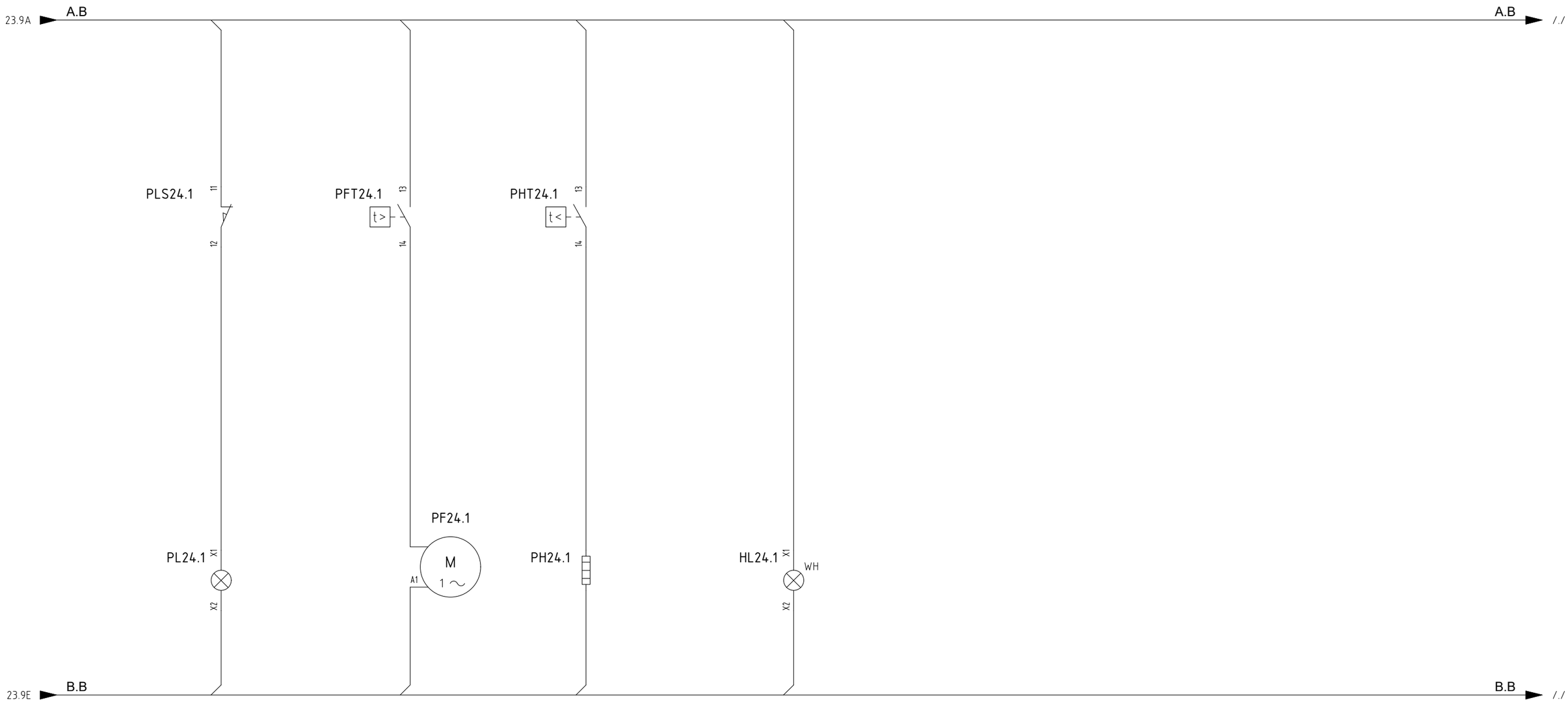
BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
AUX SECTION B

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 23
F.S. 24

PANEL INTERNAL LIGHT	PANEL FAN	PANEL HEATER	230V AUX VOLTAGE PRESENCE
HHU-77008	HHU-77008	HHU-77008	HHU-77008



REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.

DATA	22/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
AUX SECTION B

ROSETTI MARINO | ALEXSISTEMI spa

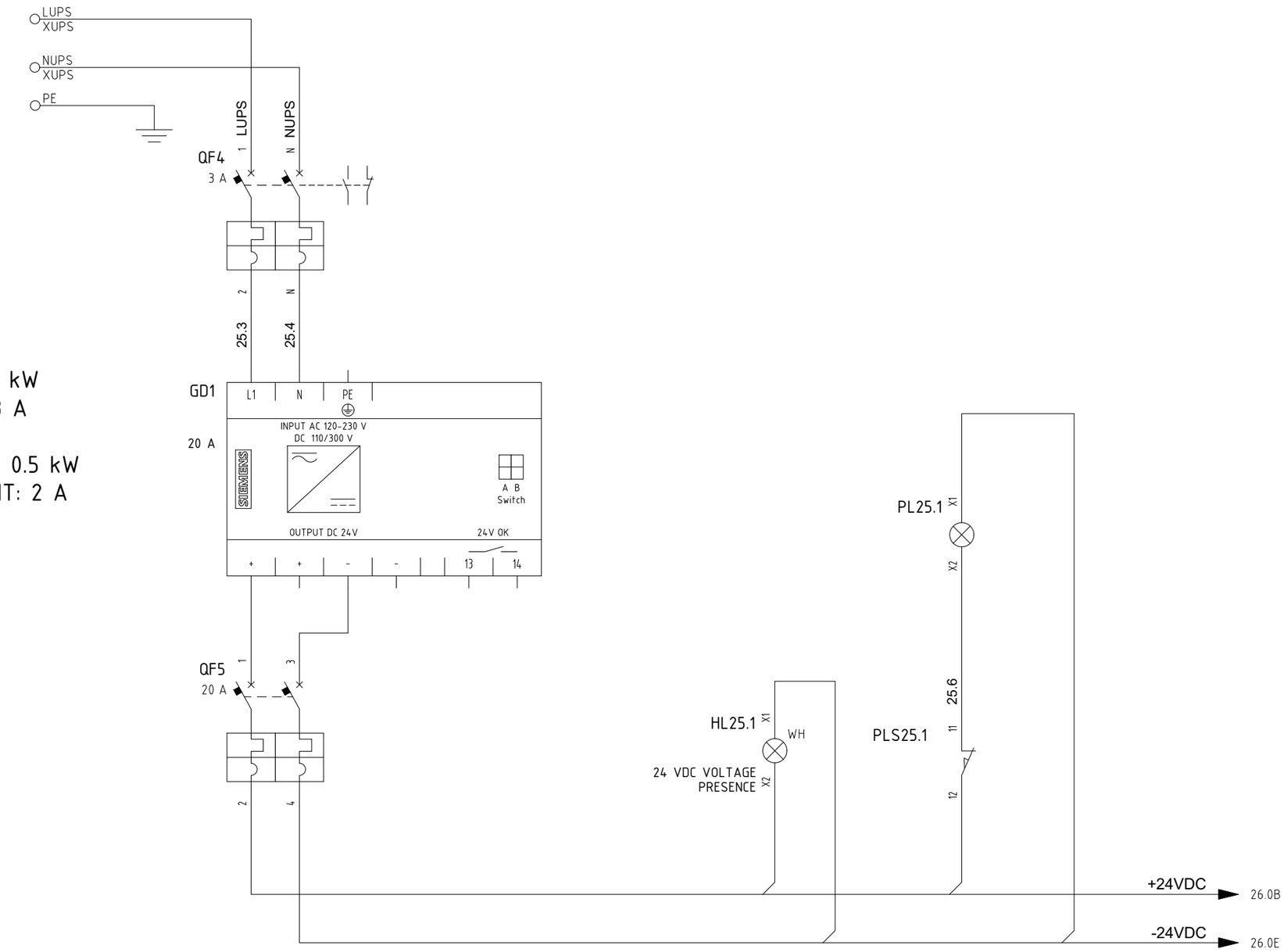
1724000049-HV-DA-00029

FG. 24
F.S. 25

POWER SUPPLY
FROM
AC UPS - PAS DB
1PH + N + PE
230V 50Hz
3G4
TAG DP200-F3

RATED POWER: 0.7 kW
RATED CURRENT: 3 A

ABSORBED POWER: 0.5 kW
ABSORBED CURRENT: 2 A



REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
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CLIENT:
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

UPS POWER SUPPLY

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 25
F.S. 26

SHUT DOWN FROM CUSTOMER SIS	PANEL EMERGENCY BUTTON LIGHT	HHS-77-010/11/12 SPACE HEATER START / STOP COMMAND	MODULE LIGHT	HPB-77-401 EMERGENCY POWER BUTTON HHU-77007	HPB-77-402 EMERGENCY POWER BUTTON HHU-77008	HPB-77-403 EMERGENCY POWER BUTTON B400-HSB-001

25.7E +24VDC → 26A.0A

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

500 XC — 26.1 — KA26.1 A1 — A2 — 26.2 — 501 XC

27.1B: 11-12, 21-22, 31-32, 41-42

HPB-77-403 33-34 (26.8B) — 26.3

KA30.9 11-12 (30.3D) — 26.4

504 XC / 506 XC — LIGHT PUSH BUTTON — 505 XC / 507 XC — 26.5

HPB-77-401 13-14 (31.1B): 106 XA1 / 107 XA1 — 26.6

HPB-77-402 13-14 (33.5B): 304 XA2 / 305 XA2 — 26.7

HPB-77-403 13-14: RD X1 — X2 — 26.8

EPB-002L X1 — RD — X2

KM1 A1 — A2

KA26.2 A1 — A2

QFA C1 — 6.6B — U > — C2

QFB C1 — 6.8B — U > — C2

QS1 C1 — 6.2B — U > — C2

25.7E -24VDC → 26A.0E

7.0D 2-1
7.0D 4-3
7.0D 6-5
7.0D 8-7
28.2B 54-53, 62-61, 72-71, 84-83

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO — ALEXSISTEMI spa

1724000049-HV-DA-00029
FG. 26
F.S. 26A

HFD-77012
CLOSED CONTACT

HFD-77013
CLOSED CONTACT

HFD-77014
CLOSED CONTACT

HFD-77015
CLOSED CONTACT

HFD-77016
CLOSED CONTACT

HFD-77012
OPEN CONTACT

HFD-77013
OPEN CONTACT

HFD-77014
OPEN CONTACT

HFD-77015
OPEN CONTACT

HFD-77016
OPEN CONTACT

26.9B +24VDC

+24VDC 27.0A

700 XFD
702 XFD
704 XFD
706 XFD
708 XFD
710 XFD
712 XFD
714 XFD
716 XFD
718 XFD

HFD-77012 11 12 HFD-77012 13 14
HFD-77013 11 12 HFD-77013 13 14
HFD-77014 11 12 HFD-77014 13 14
HFD-77015 13 14 HFD-77015 11 12
HFD-77016 13 14 HFD-77016 11 12

701 XFD
703 XFD
705 XFD
707 XFD
709 XFD
711 XFD
713 XFD
715 XFD
717 XFD
719 XFD

KA26A.1 A1 A2
KA26A.2 A1 A2
KA26A.3 A1 A2
KA26A.4 A1 A2
KA26A.5 A1 A2
KA26A.6 A1 A2
KA26A.7 A1 A2
KA26A.8 A1 A2
KA26A.9 A1 A2
KA26A.10 A1 A2

26.9E -24VDC

-24VDC 27.0A

34.2B 11 12 14 21 22 24
44.2B

34.3B 11 12 14 21 22 24
44.3B

34.4B 11 12 14 21 22 24
44.5B

34.4B 11 12 14 21 22 24
44.6B

34.5B 11 12 14 21 22 24
44.8B

34.6B 11 12 14 21 22 24
44.2E

39B.2B 11 12 14 21 22 24
44.3E

39B.3B 11 12 14 21 22 24
44.5E

39B.4B 11 12 14 21 22 24
44.6E

39B.4B 11 12 14 21 22 24
44.8E

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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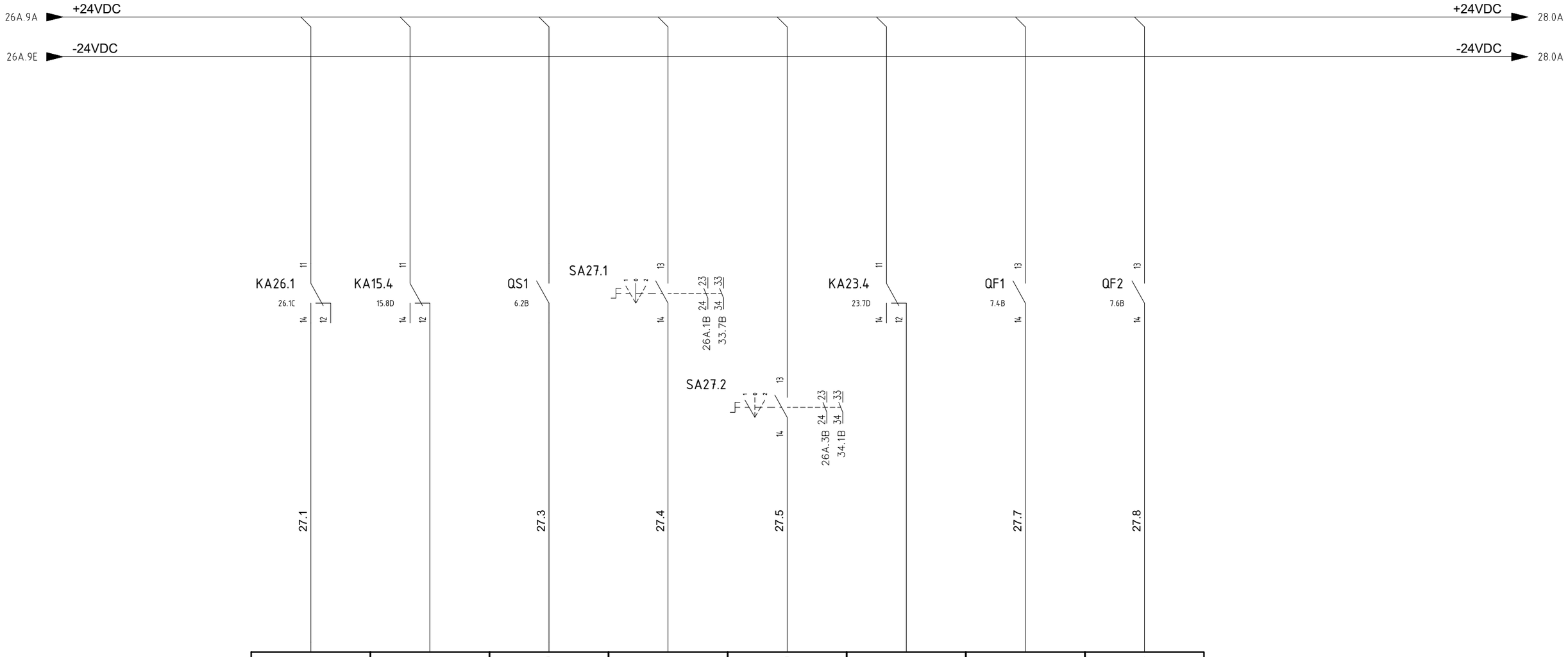
BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

PLC SECTION
plc section

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 26A
F.S. 27



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: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:
SHUT DOWN FROM SIS 0=SHUT DOWN 1= NORMAL	HHU-77007 PRESS FAN RUN 0=RUN 1 = STOP	MAIN BRAKER TRIP	HHU-77007 AUTOMATIC MODE 1=AUTOMATIC 0= NOT AUTOMATIC	HHU-77008 AUTOMATIC MODE 1=AUTOMATIC 0=NOT AUTOMATIC	HHU-77008 PRESS FAN RUN 0=RUN 1 = STOP	MODULE LIGHT TRIP	MODULE SOCKET TRIP

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 27
F.S. 28

27.9A +24VDC

27.9A -24VDC

+24VDC 29.0A

-24VDC 29.0A

	QM1	KM1	QF6	QF3	KA12.3	KA12.2	KA12.1
	7.0B	26.7E	7.7B	7.7B	12.7E	12.6E	12.5E
	13	53	13	13	31	11	41
	14	54	14	14	34	14	44
					32	12	42
	28.1	28.2	28.3	28.5	28.6	28.7	28.8

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: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:
HHS-77010/11/12 SPACE HEATER TRIP	HHS-77010/11/12 SPACE HEATER RUN SIGNAL	HEATING CABLE TRIP	SPARE	AUX SECTION TRIP	HHU-77007 MOTORISE DAMPER NOT OPEN FAULT	HHU-77007 MOTORISE DAMPER CLOSED	HHU-77007 MOTORISE DAMPER OPEN	

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
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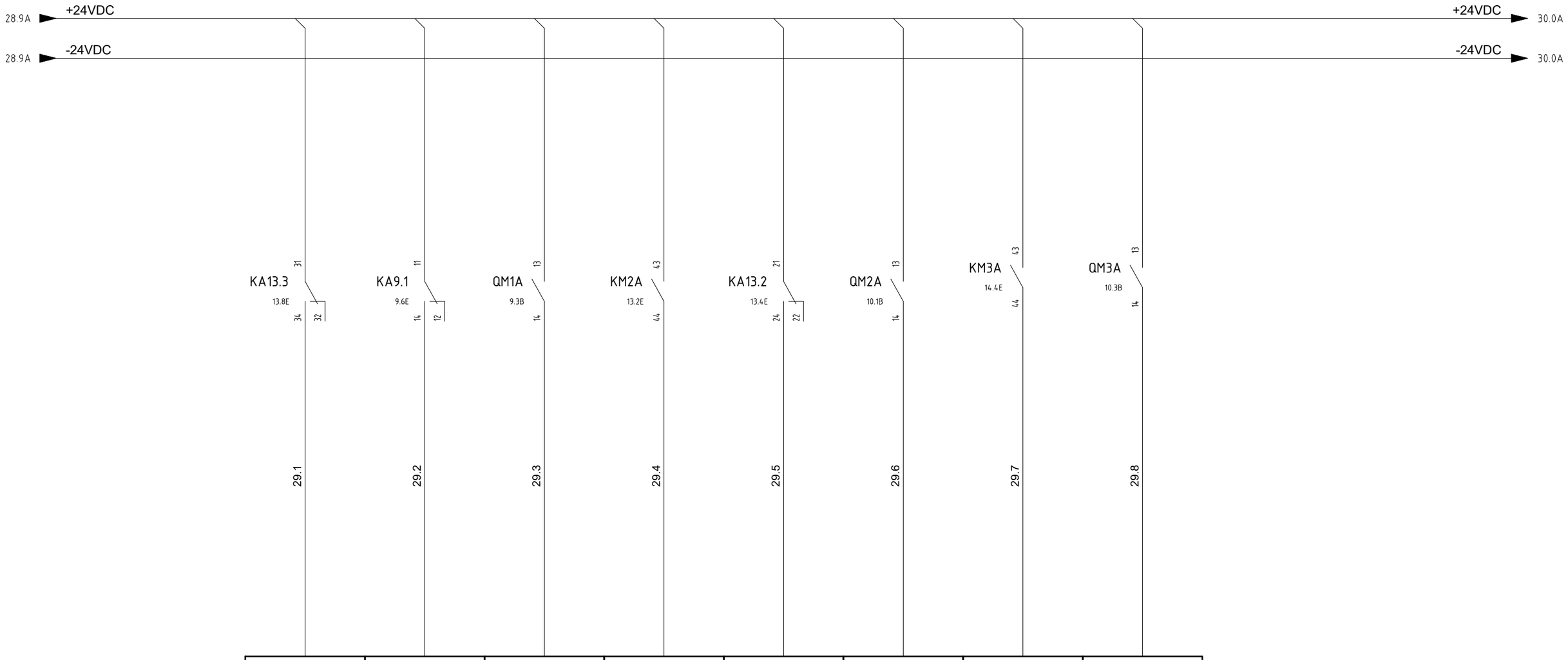
BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

PLC SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 28
F.S. 29



1	2	3	4	5	6	7	8
I2.0	I2.1	I2.2	I2.3	I2.4	I2.5	I2.6	I2.7
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:
HHU-77007 PF-001A THERMIC PROT. RELAY	HHU-77007 PF-001A VSD-1A MALFUNCTION	HHU-77007 PF-001A TRIP	HHU-77007 SUPPLY FAN RUN SIGNAL	HHU-77007 SUPPLY FAN BROKEN BELT ALARM	HHU-77007 SUPPLY FAN TRIP	HHU-77007 COMPRESSOR RUNNING SIGNAL	HHU-77007 COMPRESSOR TRIP

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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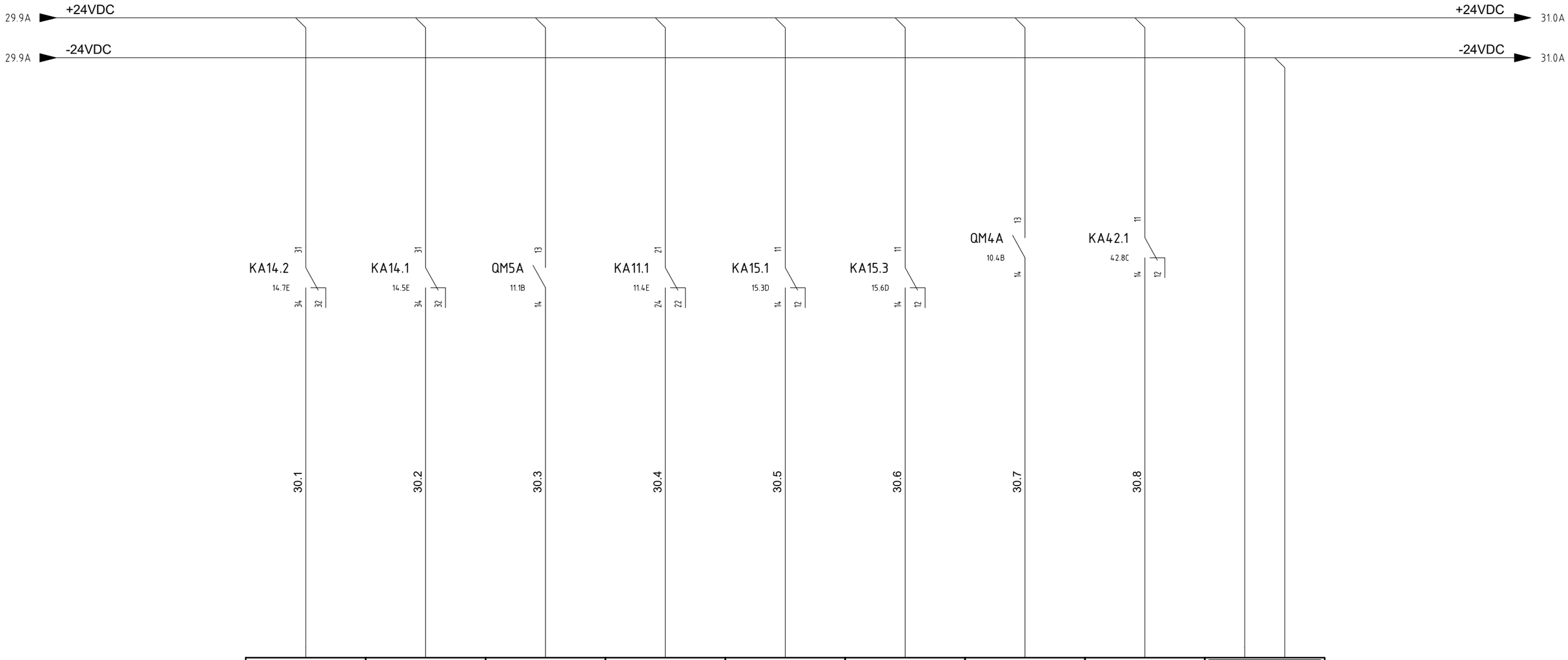
BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

PLC SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 29
F.S. 30



9	10	11	12	13	14	15	16	L+ M
I3.0	I3.1	I3.2	I3.3	I3.4	I3.5	I3.6	I3.7	
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-77007 COMPRESSOR HIGH PRESSURE ALARM	HHU-77007 COMPRESSOR LOW PRESSURE ALARM	HHU-77007 CONDENSER FAN TRIP	HHU-77007 CONDENSER FAN VSD-2A MALFUNCTION	HHU-77007 FILTER CLOGGED	HHU-77007 ELECTRICAL HEATER THERMOSTATE TRIP	HHU-77007 ELECTRICAL HEATER TRIP	HHU-77007 ELECTRICAL HEATER MODULATION FAULT	

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.

DATA	22/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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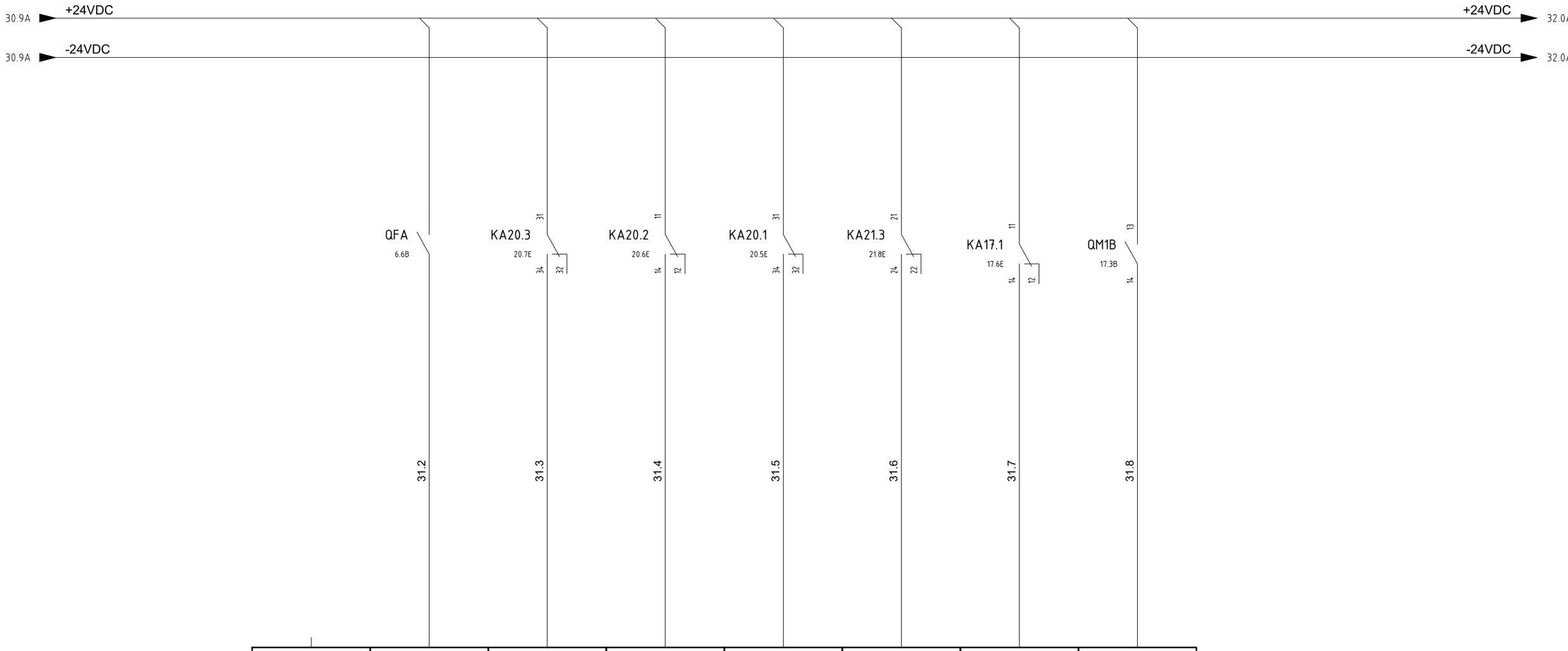
CLIENT:
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 30
F.S. 31



1	2	3	4	5	6	7	8
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: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:
SPARE	HHU-77008 MAIN SWITCH OPEN	HHU-77008 MOTORISE DAMPER NOT OPEN	HHU-77008 MOTORISE DAMPER CLOSED	HHU-77008 MOTORISE DAMPER OPEN	HHU-77008 PF-001B THERMIC PROT. RELAY	HHU-77008 PF-001B VSD-1B MALFUNCTION	HHU-77008 PF-001B TRIP

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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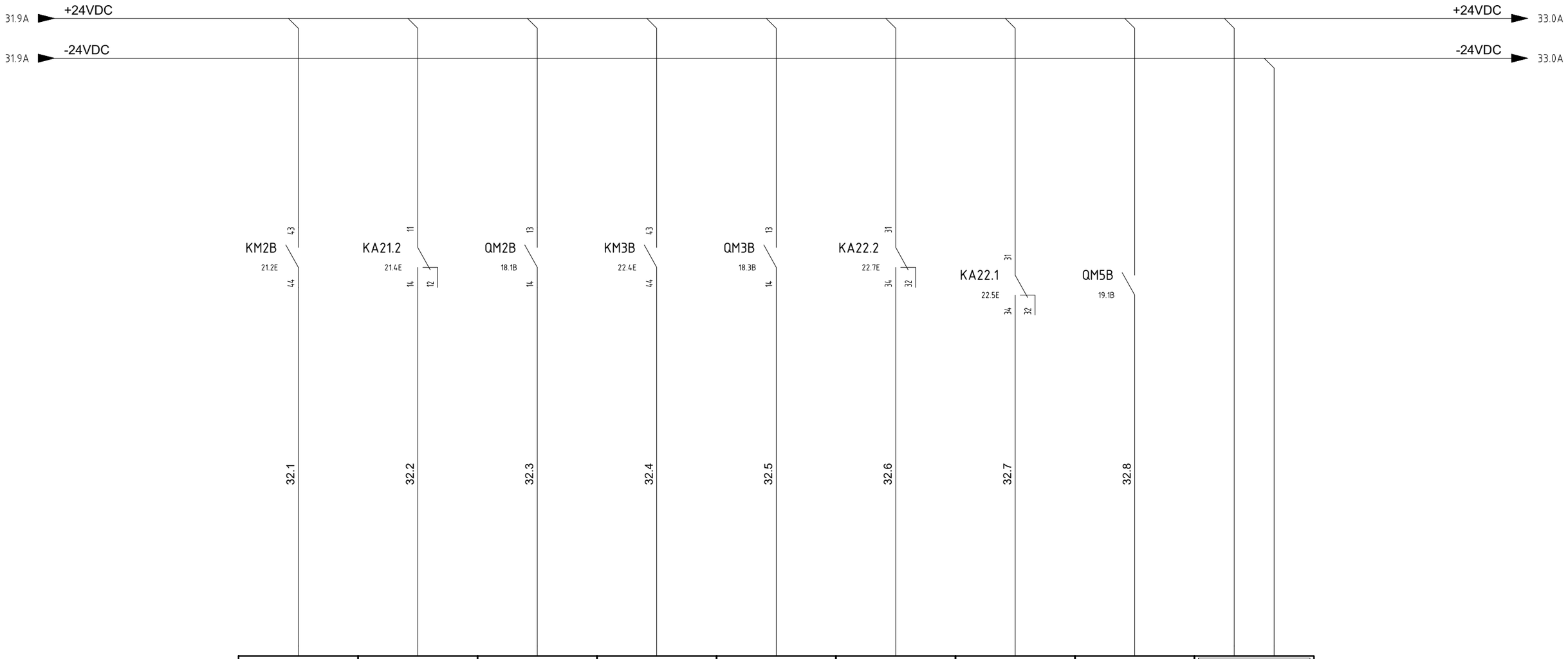
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 31
F.S. 32



9	10	11	12	13	14	15	16	L+ M
I5.0	I5.1	I5.2	I5.3	I5.4	I5.5	I5.6	I5.7	
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: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:
HHU-77008 SUPPLY FAN RUN SIGNAL	HHU-77008 SUPPLY FAN BROKEN BELT ALARM	HHU-77008 SUPPLY FAN TRIP	HHU-77008 COMPRESSOR RUNNING SIGNAL	HHU-77008 COMPRESSOR TRIP	HHU-77008 COMPRESSOR HIGH PRESSURE ALARM	HHU-77008 COMPRESSOR LOW PRESSURE ALARM	HHU-77008 CONDENSER FAN TRIP	

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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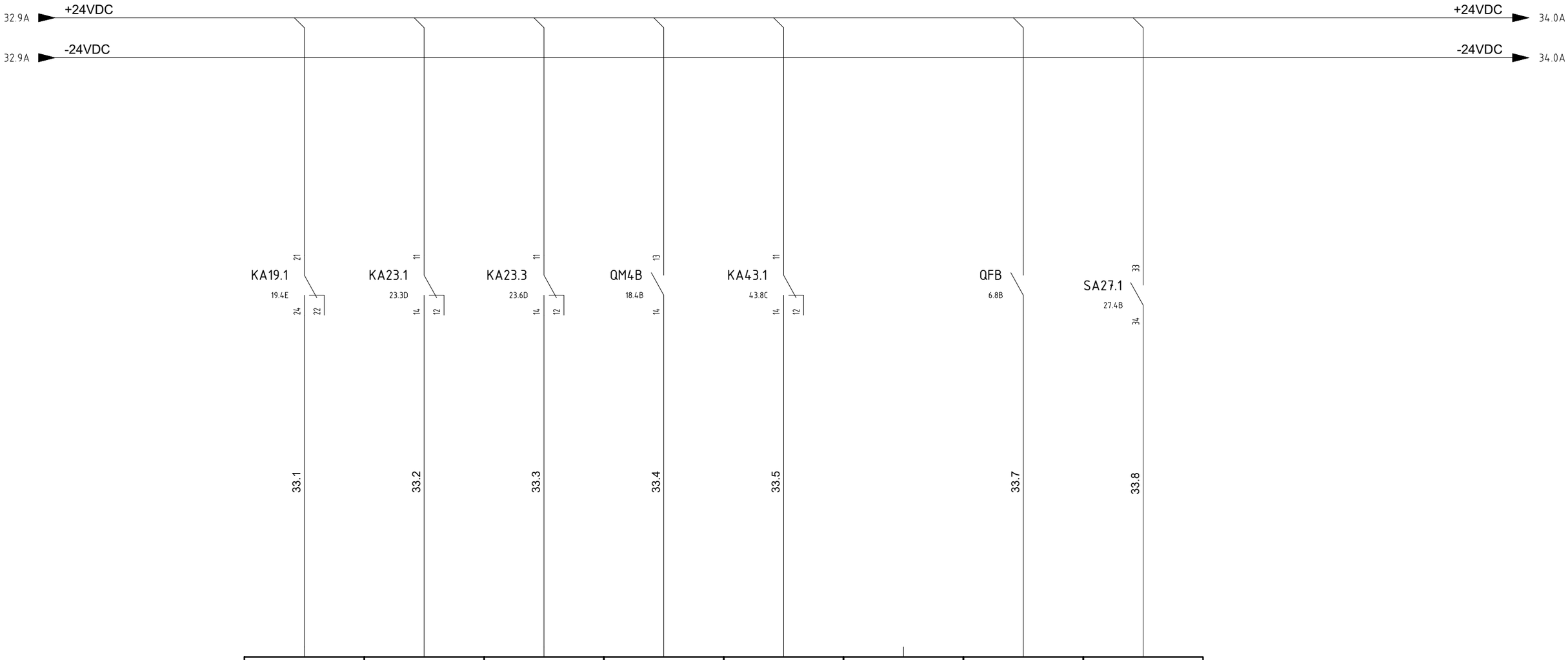
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

F.G. 32
F.S. 33



1	2	3	4	5	6	7	8
I6.0	I6.1	I6.2	I6.3	I6.4	I6.5	I6.6	I6.7
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
Name: A6 Sheet:	Name: A6 Sheet:	Name: A6 Sheet:	Name: A6 Sheet:	Name: A6 Sheet:	Name: A6 Sheet:	Name: A6 Sheet:	Name: A6 Sheet:
HHU-77008 CONDENSER FAN VSD-2A MALFUNCTION	HHU-77008 FILTER CLOGGED	HHU-77008 ELECTRICAL HEATER THERMOSTATE TRIP	HHU-77008 ELECTRICAL HEATER TRIP	HHU-77008 ELECTRICAL HEATER MODULATION FAULT	SPARE	HHU-77008 MAIN SWITCH OPEN	HHU-77007 MANUAL MODE 0=NOT MANUAL 1= MANUAL

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.

DATA	22/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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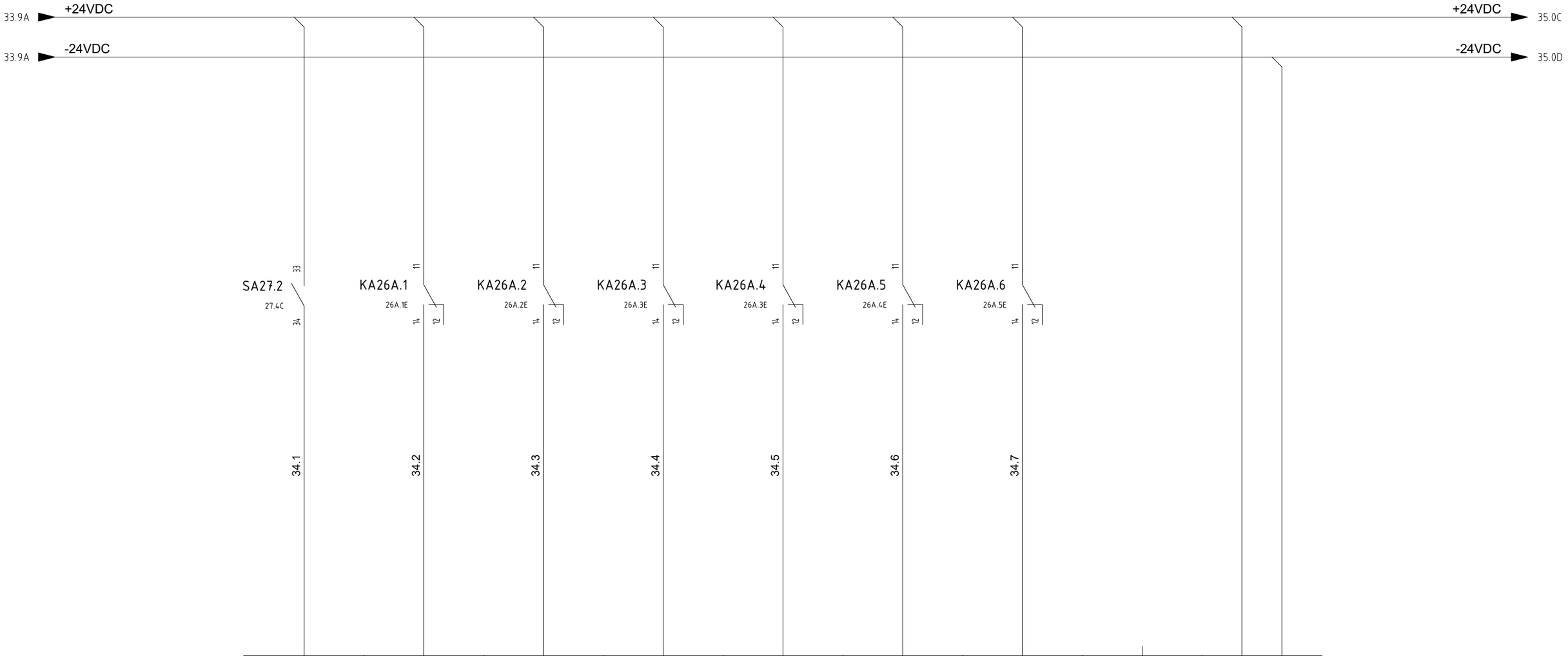
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 33
F.S. 34



9	10	11	12	13	14	15	16	L+ M
17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	
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	CPU: QUADRO GENERALE MOD. : 7
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:
HHU-77008 MANUAL MODE 0= NOT MANUAL 1= MANUAL	HFD-77012 CLOSE CONTACT 0= NOT CLOSED 1= CLOSED	HFD-77012 OPEN CONTACT 0=NOT OPEN 1= OPEN	HFD-77013 CLOSE CONTACT 0= NOT CLOSE 1= CLOSE	HFD-77013 OPEN CONTACT 0=NOT OPEN 1= OPEN	HFD-77014 CLOSE CONTACT 0= NOT CLOSE 1= CLOSE	HFD-77014 OPEN CONTACT 0=NOT CLOSE 1= CLOSE		

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO | ALEXSISTEMI spa

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FG. 34
F.S. 35

HVAC MALFUNCTION		SPARE		HHS-77010/11/12 SPACE HEATER START SIGNAL		SPARE		HHU-77007 HVAC UNIT A START SIGNAL		HHU-77007 PF-001A MOTOR HEATER		HHU-77007 COMPRESSOR START SIGNAL		HHU-77008 HVAC UNIT B START SIGNAL	
Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:
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		CPU: QUADRO GENERALE MOD. : 8		CPU: QUADRO GENERALE MOD. : 8		CPU: QUADRO GENERALE MOD. : 8	
Q0.0		Q0.1		Q0.2		Q0.3		Q0.4		Q0.5		Q0.6		Q0.7	
1		2		3		4		5		6		7		8	

35.1 35.3 35.5 35.6 35.7 35.8

34.9A +24VDC → 36.0C +24VDC

34.9A -24VDC → 36.0D -24VDC

KA30.1 A1 A2 — KA30.9 A1 A2 — KA30.3 A1 A2 — KA30.4 A1 A2 — KA30.5 A1 A2 — KA30.6 A1 A2

44.0B 11 12 14 21 22 24 31 32 34 41 42 44

26.7B 11 12 14 21 22 24 31 32 34 41 42 44

12.1B 11 12 14 21 22 24 31 32 34 41 42 44

14.1B 11 12 14 21 22 24 31 32 34 41 42 44

14.1A 11 12 14 21 22 24 31 32 34 41 42 44

20.1B 11 12 14 21 22 24 31 32 34 41 42 44

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO — ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 35
F.S. 36

HHU-77008 PF-001B MOTOR HEATER		HHU-77008 COMPRESSOR START SIGNAL		HVAC UNIT A / B ALARM RESET											
Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:	Name: A7	Sheet:
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		CPU: QUADRO GENERALE MOD. : 8		CPU: QUADRO GENERALE MOD. : 8		CPU: QUADRO GENERALE MOD. : 8	
Q0.8		Q0.9		Q0.10		Q0.11		Q0.12		Q0.13		Q0.14		Q0.15	
9		10		11		12		13		14		15		16	
														L+	M

36.1 36.2 36.3

35.9C +24VDC → 37.0A +24VDC

35.9D -24VDC → 37.0A -24VDC

KA30.7 A1 / A2

KA30.8 A1 / A2

KA37.1 A1 / A2 ALARM RESET RELAY

KA37.2 A1 / A2

22.1B 11 12 14 21 22 24 31 32 34 41 42 44

22.1A 11 12 14 21 22 24 31 32 34 41 42 44

12.8C 13.3B 14.6C 14.8C 11 12 14 21 22 24 31 32 34 41 42 44

20.8C 21.3B 22.6C 22.8C 11 12 14 21 22 24 31 32 34 41 42 44

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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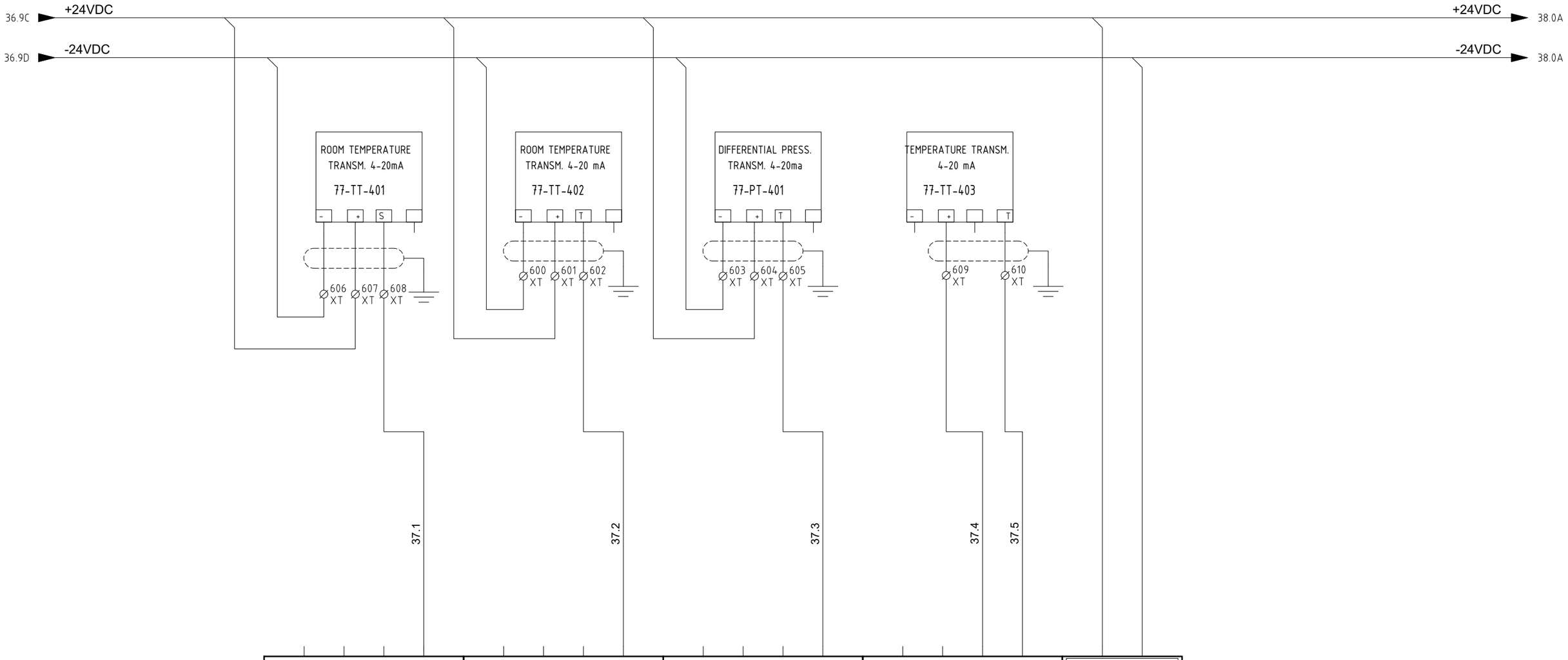
CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 36
F.S. 37



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. : 9	CPU: QUADRO GENERALE MOD. : 9	CPU: QUADRO GENERALE MOD. : 9	CPU: QUADRO GENERALE MOD. : 9	CPU: QUADRO GENERALE MOD. : 9
Name: A8 / Sheet:	Name: A8 / Sheet:	Name: A8 / Sheet:	Name: A8 / Sheet:	Name: A8 / Sheet:
77-TT-401 TEMPERATURE TRANSM 4-20mA	77-TT-402 TEMPERATURE TRANSM 4-20mA	77-PT-401 DIFFERENTIAL PRESS. TRANSMITTER 4-20mA	77-TT-403 TEMPERATURE TRANSM 4-20 mA	

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.

DATA	22/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 37
F.S. 38

37.9A +24VDC → +24VDC 39.0A

37.9A -24VDC → -24VDC 39.0A

HHU-77007 PF-001A VSD MODULATION		HHU-77008 PF-001B VSD MODULATION		HHU-77007 ELECTRICAL HEATER MODULATION		HHU-77008 ELECTRICAL HEATER MODULATION		
Name: A9	Sheet:	Name: A9	Sheet:	Name: A9	Sheet:	Name: A9	Sheet:	Name: A9	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	

9.8B 9.4

9.8C 9.5

17.8B 17.5

17.8C 17.4

42.8D 40.1

42.8D 40.2

43.8D 40.3

43.8D 40.4

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

PLC SECTION

ROSETTI MARINO | ALEXSISTEMI spa

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FG. 38
F.S. 39

38.9A +24VDC → +24VDC 40.0E

38.9A -24VDC → -24VDC 40.0F

Name: A10 / Sheet:	Name: A10 / Sheet:	Name: A10 / Sheet:	Name: A10 / Sheet:	Name: A10 / 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	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

PLC SECTION

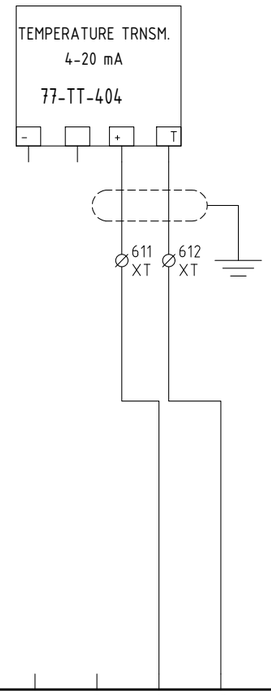
ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 39
F.S. 39A

38.9A +24VDC → +24VDC 40.0E

38.9A -24VDC → -24VDC 40.0F



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. : 12	CPU: QUADRO GENERALE MOD. : 12	CPU: QUADRO GENERALE MOD. : 12	CPU: QUADRO GENERALE MOD. : 12	CPU: QUADRO GENERALE MOD. : 12
Name: A11 / Sheet:	Name: A11 / Sheet:	Name: A11 / Sheet:	Name: A11 / Sheet:	Name: A11 / Sheet:
TT-004 TEMPERATURE TRANSM 4-20mA	SPARE	SPARE	SPARE	

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

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1724000049-HV-DA-00029

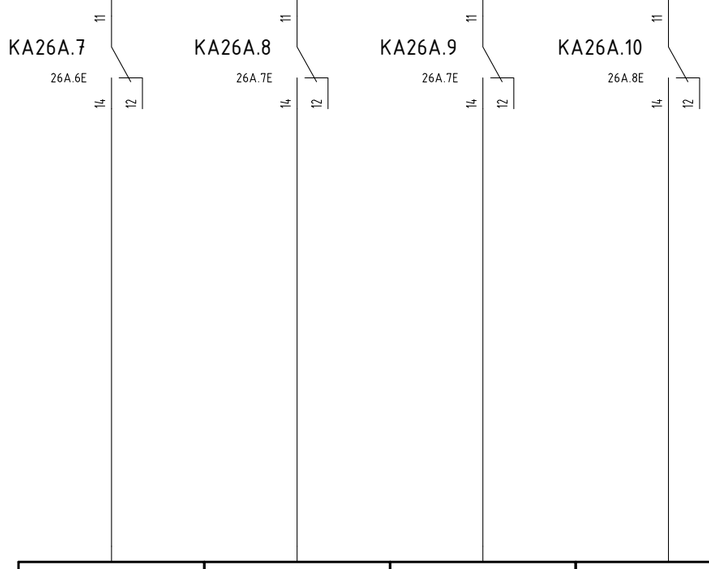
FG. 39A
F.S. 39B

38.9A +24VDC

38.9A -24VDC

+24VDC 40.0E

-24VDC 40.0F



1	2	3	4	5	6	7	8
I8.0	I8.1	I8.2	I8.3	I8.4	I8.5	I8.6	I8.7
CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13
Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:	Name: Sheet:
HFD-77015 CLOSE CONTACT 0= NOT CLOSED 1= CLOSED	HFD-77015 OPEN CONTACT 0=NOT OPEN 1= OPEN	HFD-77016 CLOSE CONTACT 0= NOT CLOSE 1= CLOSE	HFD-77016 OPEN CONTACT 0=NOT OPEN 1= OPEN	SPARE *spare*	SPARE *spare*	SPARE *spare*	SPARE *spare*

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

PLC SECTION
plc section

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 39B
F.S. 39C

38.9A +24VDC

38.9A -24VDC

+24VDC 40.0E

-24VDC 40.0F

9	10	11	12	13	14	15	16	L+ M
19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	
CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13	CPU: QUADRO GENERALE MOD. : 13
Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:	Name: / Sheet:
SPARE *spare*	SPARE *spare*	SPARE *spare*	SPARE *spare*	SPARE *spare*	SPARE *spare*	SPARE *spare*	SPARE *spare*	

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

PLC SECTION
plc section

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 39C

F.S. 40

A1

SIEMENS

SIMATIC HMI

TOUCH

12"

X1 P1
PROFINET

X1 P2
PROFINET

X2
PROFIBUS DP

X60
Mini USB - Type B

X61
USB - Type A

X62
USB - Type A

X90 OUT
Line OUT

X90 IN
Line IN

CABLE 1

CABLE 2

CABLE 3

CABLE 4

X1 P1 R
PROFINET

X1 P2 R
PROFINET

X1 P1 R
PROFINET

X1 P2 R
PROFINET

TO PAGE 41

D1

D2

SIEMENS

RUN

SIMATIC S7-1500

ESC OK

L+
M
L+
M

DC 24V (X80)

DC 24V (X80)

DC 24V (X80)

L+	M
1	2

FG

39.9A +24VDC

39.9A -24VDC

+24VDC 41.0E

-24VDC 41.0F

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
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CLIENT:
CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
PLC SECTION

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 40
F.S. 41

FROM
PAGE 40

CABLE 4

CABLE 5

CABLE 1

CABLE 2

MODBUS TCP/P TO
CLIENT

RJ45
CONNECTION
IN TERMINAL
STRIP

X1 RJ45 — PROFINET IO - Port 1 RJ45

1	TD
2	TD_N
3	RD
4	GND
5	GND
6	RD_N
7	GND
8	GND

X2 RJ45 — PROFINET IO - Port 2 RJ45

1	TD
2	TD_N
3	RD
4	GND
5	GND
6	RD_N
7	GND
8	GND

DC 24V

1L+	
2L+	
1M	
2M	

A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12

BA 2xRJ45

SIEMENS

SIMATIC
ET 200SP
IM 155-6 PN/2 HF

6ES7193-6RA00-0AA0

6ES7155-6AU01-0CN0

DI 16x24VDC ST	DI 16x24VDC ST	DI 16x24VDC ST	DI 16x24VDC ST	DQ 16x24VDC/0,5A ST	AI 4xU/I 2-wire ST	AQ 4xU/I ST	AQ 4xU/I ST	AI 4xU/I 2-wire ST	DI 16x24VDC ST
6ES7131-6BH01-0BA0	6ES7131-6BH01-0BA0	6ES7131-6BH01-0BA0	6ES7131-6BH01-0BA0	6ES7132-6BH01-0BA0	6ES7134-6HD01-0BA1	6ES7135-6HD00-0BA1	6ES7135-6HD00-0BA1	6ES7134-6HD01-0BB1	6ES7131-6BH01-0BA0

MAC ADDRESS

A12

SIEMENS

SCALANCE
XC208

208-0BA00-2AC2

1	F1
2	F2

1	L1+
2	M1
3	M2
4	L2+

DC 24V

40.9E +24VDC → +24VDC 42.0A

40.9F -24VDC → -24VDC 42.0A

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

PLC ARCHITECTURE

ROSETTI MARINO ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 41
F.S. 42

41.9E +24VDC → +24VDC 43.0A

41.9F -24VDC → -24VDC 43.0A

42.1

42.2

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

KA42.1 A1 A2

33.2B 11 12 14 21 22 24 31 32 34 41 42 44

40.1 38.4D

40.2 38.4D

3/L2

TA:1

FU42.1 1 2

11.9A RA

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

EH MODULATION A

ROSETTI MARINO · ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 42
F.S. 43

42.9A +24VDC

42.9A -24VDC

+24VDC /./

-24VDC /./

42.1

42.2

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

KA43.1 A1 A2

35.8B 11 12 14 21 22 24 31 32 34 41 42 44

40.3

40.4

38.4E

38.4E

3/L2

TB:1 1

FU43.1

2

11.9A RB

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

EH MODULATION B

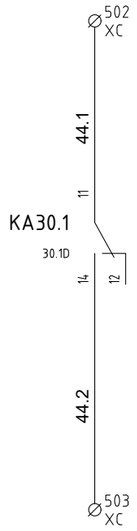
ROSETTI MARINO ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 43

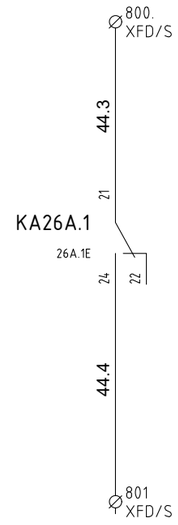
F.S. 44

AVAILABLE SIGNAL
GENERAL FAULT
TO SIS

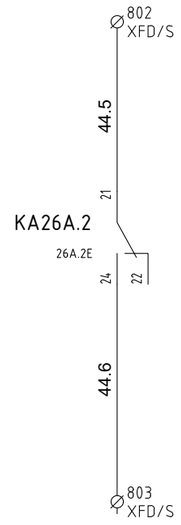


HVAC MALFUNCTION
0=MALF
1=NORMAL

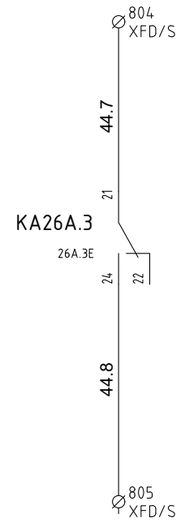
HFD-77012
CLOSED SIGNAL
TO F&G



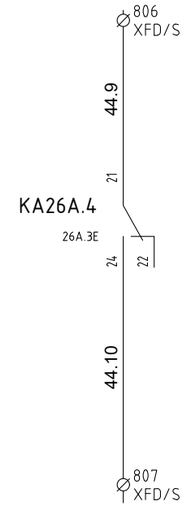
HFD-77012
OPEN SIGNAL
TO F&G



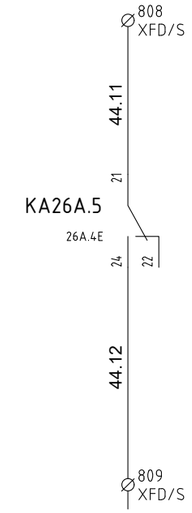
HFD-77013
CLOSED SIGNAL
TO F&G



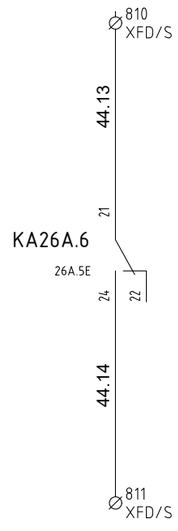
HFD-77013
OPEN SIGNAL
TO F&G



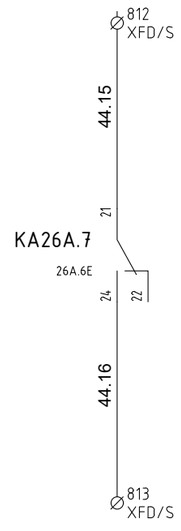
HFD-77014
CLOSED SIGNAL
TO F&G



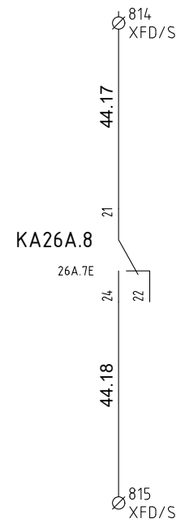
HFD-77014
OPEN SIGNAL
TO F&G



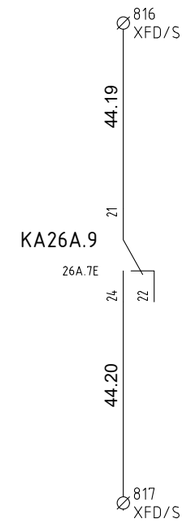
HFD-77015
CLOSED SIGNAL
TO F&G



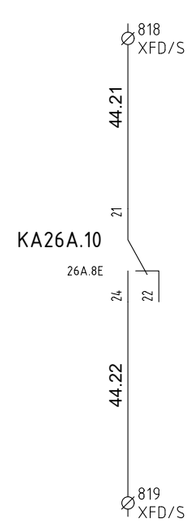
HFD-77015
OPEN SIGNAL
TO F&G



HFD-77016
CLOSED SIGNAL
TO F&G



HFD-77016
OPEN SIGNAL
TO F&G



REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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CLIENT:
CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

AVAILABLE SIGNAL

ROSETTI MARINO
ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 44
F.S. 45

+QG - XP1
POWER SUPPLY 1

L1 | 13 | L3 | N1 | PE

400V 3F + N + PE
50Hz
FROM LV SWITCHGEAR
SECTION 5G25

U1 | N1.1 — 3G2.5 — SPACE HEATER — HSS-77-010

V1 | N1.1 — 3G2.5 — SPACE HEATER — HSS-77-011

W1 | N1.1 — 3G2.5 — SPACE HEATER — HSS-77-012

L3 | N3 — 3G2.5 — MODULE LIGHT — LIGHT

L3.1 | N3.1 — 3G2.5 — EMERGENCY LIGHT — EM LIGHT

L4 | N4 — 3G4 — MODULE LIGHT — SOCKET

L5 | N5 — 3G2.5 — HEATING CABLE — HHC-77-004

+QG - XC
COMMAND

26.1 | 26.2 | 44.1 | 44.2 | +24VDC | 26.5 | +24VDC | 26.5

500 | 501 | 502 | 503 | 504 | 505 | 506 | 507

SHUT DOWN FROM SIS

LIGHT BUTTON

HVAC MALFUNCTION TO SIS

LIGHT BUTTON

+QG - XUPS
UPS POWER SUPPLY

LUPS | NUPS | PE

1 | 2 | 3

230V 1F + N + PE
50Hz
UPS POWER SUPPLY
FROM AC UPS-PAS DB
SECTION 3G4
DP200-F3

REV.	MODIFICA	DATA	FIRMA		
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.
				APPR.	M.G.

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CLIENT: CROSSWIND

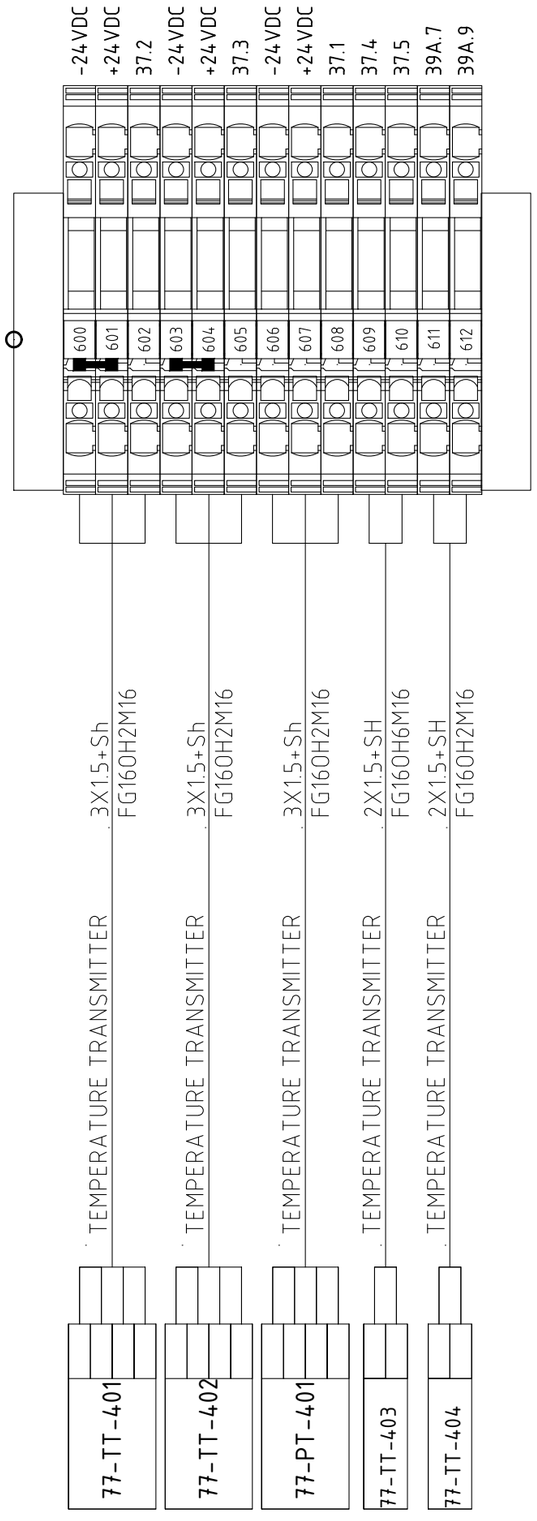
BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

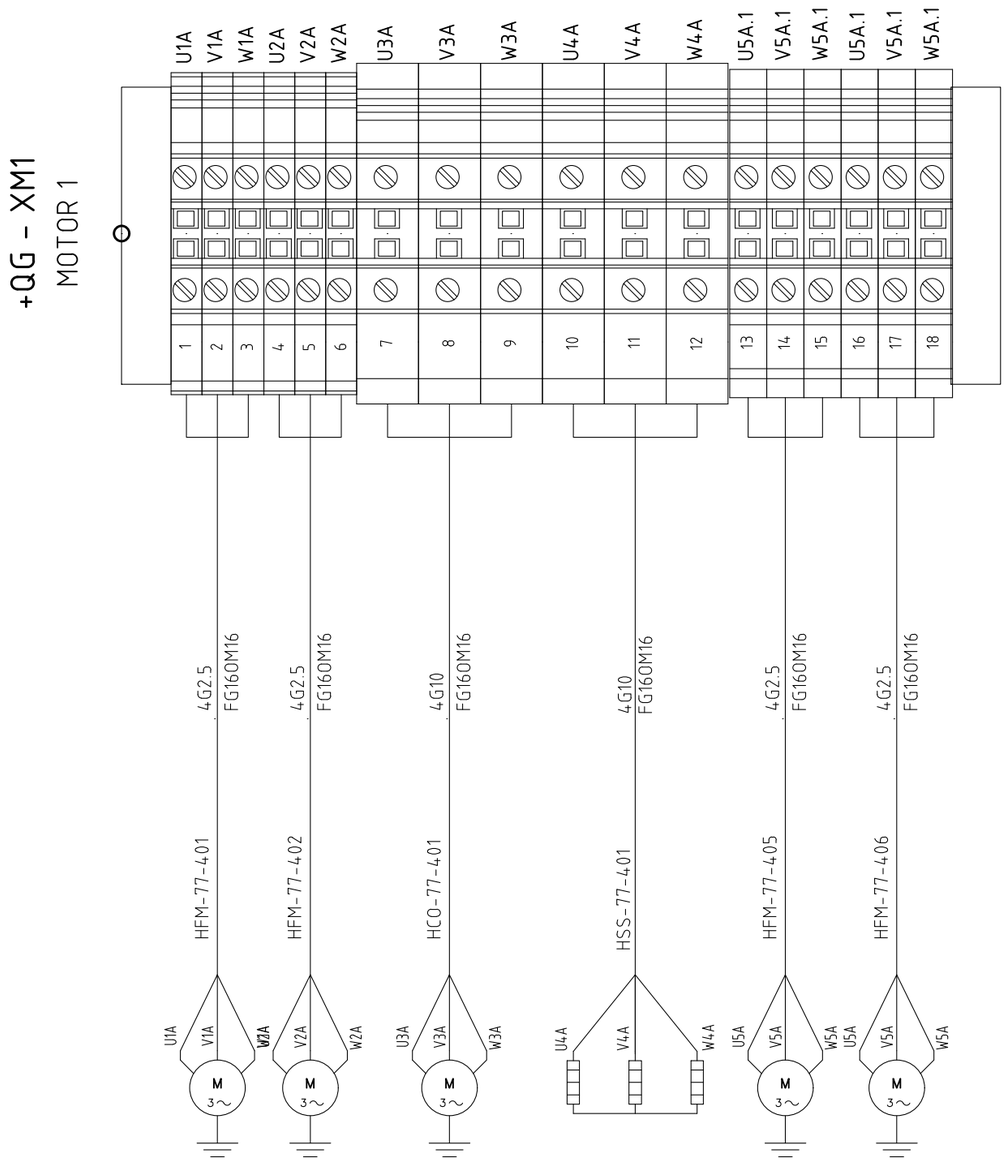
TERMINAL STRIP

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 45
F.S. 46





REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

TERMINAL STRIP

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 46
F.S. 47

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.

DATA	APPR.
22/04/2024	F.M.
DISEGN.	VISTO
S.S.	M.G.

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CLIENT:
CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
TERMINAL STRIP

ROSETTI MARINO
ALEXSISTEMI

172400049-HV-DA-00029

FG. 47
F.S. 48

+QG - XMD1
MOTORISED DAMPER 1

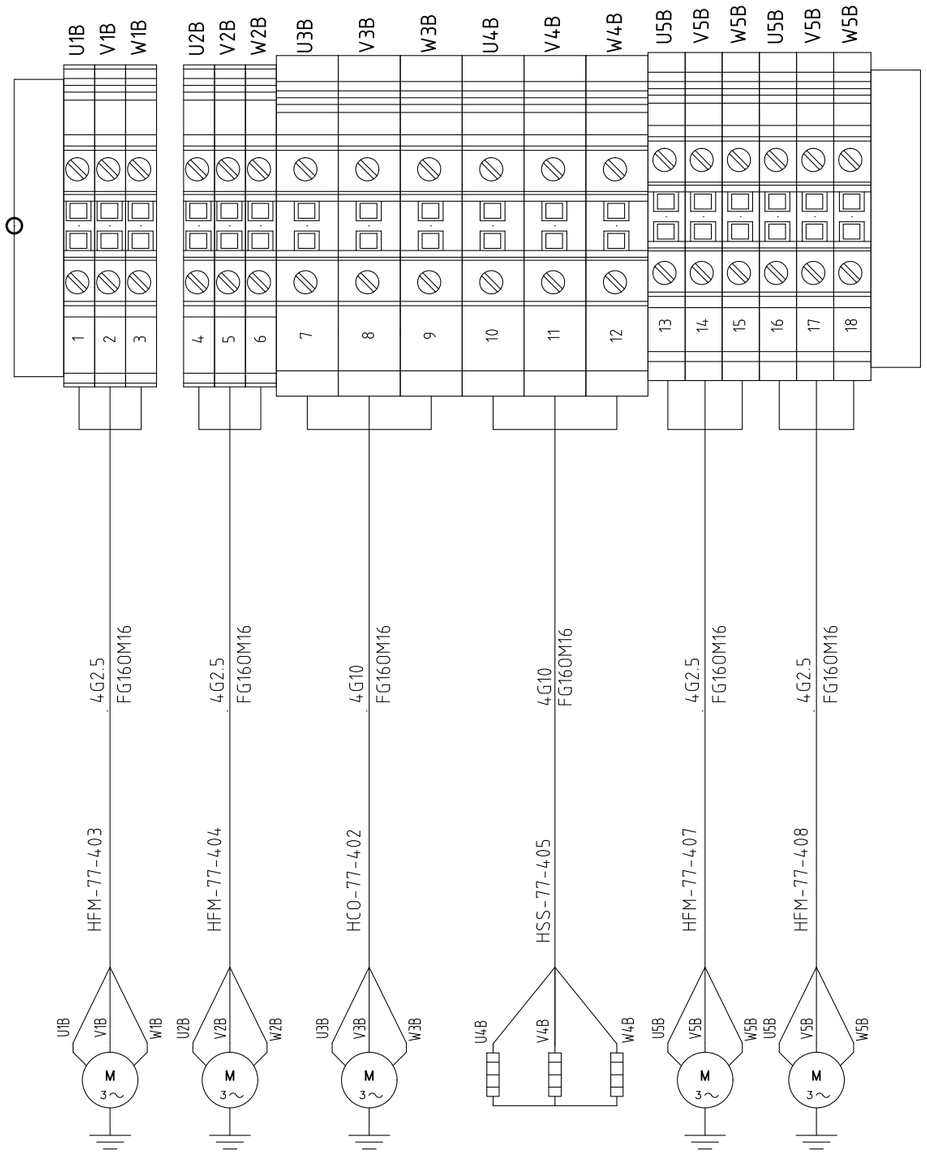
HDZ-77-401
HDZ-77-402
HDZ-77-403
240V, <5°, >85°, ZSC, ZSO, S1 S2 S3 S4 S5 S6

MOTORISED DAMPER POWER SUPPLY	3G1.5 FG160M16	1	A.A
		2	B.A
MOTORISED DAMPER SIGNAL	4X1.5 FG160M16	3	A.A
		4	12.4
		5	A.A
		6	12.7
MOTORISED DAMPER POWER SUPPLY	3G1.5 FG160M16	7	A.A
		8	B.A
MOTORISED DAMPER SIGNAL	4X1.5 FG160M16	9	12.4
		10	12.5
		11	12.6
		12	12.8
MOTORISED DAMPER POWER SUPPLY	3G1.5 FG160M16	13	A.A
		14	B.A
MOTORISED DAMPER SIGNAL	4X1.5 FG160M16	15	12.8
		16	12.6
		17	12.10
		18	12.9

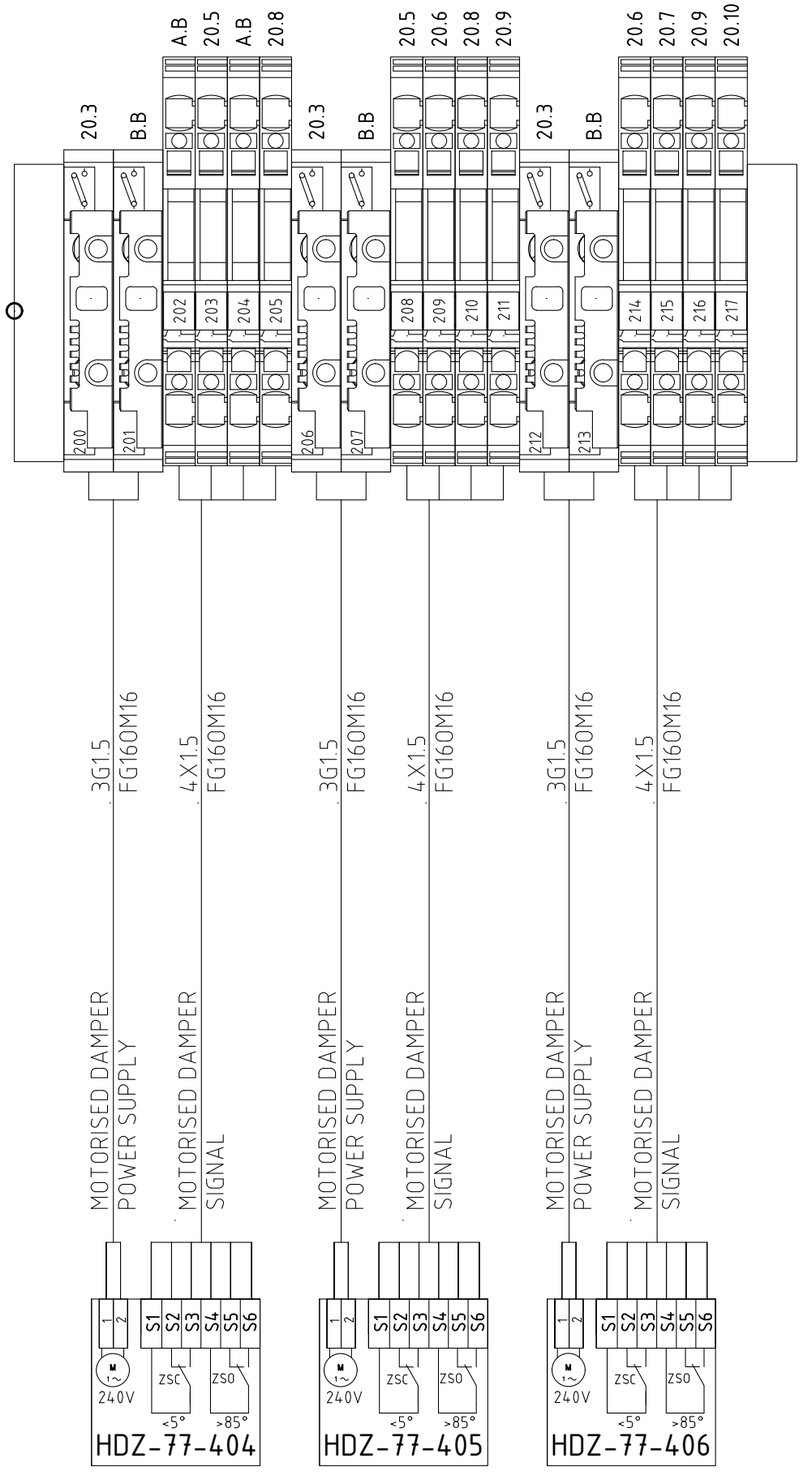
+QG - XA1
AUXILIARY 1

PDSL-77-401	DIFFERENTIAL PRESSURE SWITCH 2X1.5 FG160M16	100	A.A
		101	13.5
TE-77-401	PTC PRESS. FAN 2X1.5 FG160M16	102	13.13
		103	13.15
HPB-77-401	EM. POWER BUTTON 2X1.5 FG160M16	106	12.3
		107	B.A
HSS-77-402	SUPPLY AIR MOTOR HEATER 3G1.5 FG160M16	108	14.1
		109	B.A
HSS-77-403	PRESS. FAN MOTOR HEATER 3G1.5 FG160M16	110	5
		111	B.A
HSS-77-404	COMPRESSOR OIL HEATER 3G1.5 FG160M16	112	15.1
		113	B.A
HSV-77-401	SOLENOID VALVE 3G1.5 FG160M16	114	A.A
		115	15.2
PDSH-77-401	DIFF PRESSURE SWITCH FILTER CLOGGED 2X1.5 FG160M16	116	A.A
		117	15.3
PC-77-401	CONDENSING PRESSURE SWITCH 3G1.5 FG160M16	118	11.5
		119	11.7
PTH-77-401	CONDENSING PRESSURE TRASDUCER 3.1.5+Sh FG160H2M16	120	A.A
		121	15.4
TSH-77-401	HIGH TEMPERATURE THERMOSTATE 3G1.5 FG160M16	122	15.11
		123	15.5
TSHH-77-401	VERI HIGH TEMPERATURE THERMOSTATE 3G1.5 FG160M16	124	A.A
		125	14.8
PSL-77-401	LOW PRESSURE SWITCH 3G1.5 FG160M16	126	A.A
		127	14.11
PSH-77-401	HIGH PRESSURE SWITCH 3G1.5 FG160M16	128	A.A
		129	15.6
PDSL-77-402	PRESSURIZING FAN RUNNING FEEDBACK 2X1.5 FG160M16	104	+24 VDC
		105	26.6

+QG - XM2
MOTOR 2



+QG - XMD2
MOTORISED DAMPER 2



REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM
TERMINAL STRIP

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 48
F.S. 49

REV.	MODIFICA	DATA	FIRMA	APPR.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN. F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO S.S.
				M.G. 22/04/2024

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CLIENT:

CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

TERMINAL STRIP

ROSETTI MARINO

ALEXSISTEMI spa

172400049-HV-DA-00029

FG. 49
F.S. 49A

+QG - XA2
AUXILIARY 2

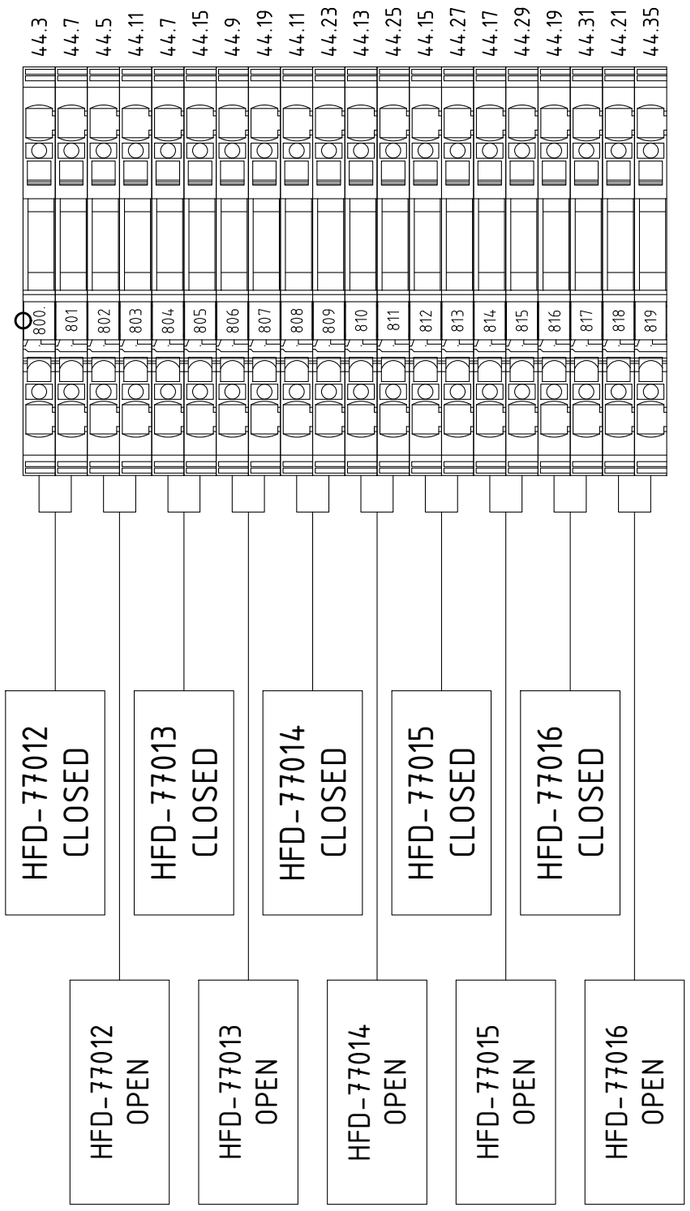
PDSL-77-402	DIFFERENTIAL PRESSURE SWITCH	2X1.5 FG16OM16	300	A.B
			301	21.4
TE-77-402	PTC PRESS. FAN	2X1.5 FG16OM16	302	13.12
			303	13.14
HPB-77-402	EM. POWER BUTTON	2X1.5 FG16OM16	304	+24VDC
			305	26.7
HSS-77-407	SUPPLY AIR MOTOR HEATER	3G1.5 FG16OM16	306	12.3
			307	B.B
HSS-77-406	PRESS. FAN MOTOR HEATER	3G1.5 FG16OM16	308	14.1
			309	B.B
HSS-77-408	COMPRESSOR OIL HEATER	3G1.5 FG16OM16	310	5
			311	B.B
HSV-77-402	SOLENOID VALVE	3G1.5 FG16OM16	312	15.1
			313	B.B
PDSH-77-403	DIFF PRESSURE SWITCH FILTER CLOGGED	2X1.5 FG16OM16	314	A.A
			315	23.2
PC-77-402	CONDENSING PRESSURE SWITCH	3G1.5 FG16OM16	316	A.A
			317	23.3
PTH-77-402	CONDENSING PRESSURE TRASDUCER	3.1.5+Sh FG16OH2M16	318	11.5
			319	11.6
TSH-77-402	HIGH TEMPERATURE THERMOSTATE	3G1.5 FG16OM16	320	A.A
			321	23.4
TSHH-77-402	VERI HIGH TEMPERATURE THERMOSTATE	3G1.5 FG16OM16	322	15.9
			323	23.5
PSL-77-402	LOW PRESSURE SWITCH	3G1.5 FG16OM16	324	A.A
			325	22.8
PSH-77-402	HIGH PRESSURE SWITCH	3G1.5 FG16OM16	326	A.A
			327	22.11
PDSL-77-404	PRESSURUZING FAN RUNNING FEEDBACK	3G1.5 FG16OM16	328	A.B
			329	23.6

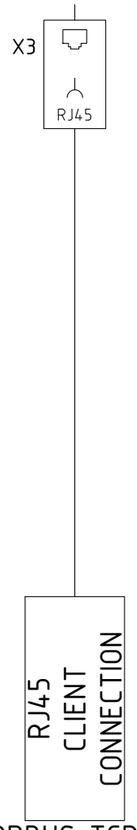
+QG - XFD
FIRE DAMPER

HFD-77012	SIGNAL FEEDBACK	4X1.5	700	+24VDC
			701	34.2
			702	+24VDC
			703	34.3
HFD-77013	SIGNAL FEEDBACK	4X1.5	704	+24VDC
			705	34.4
			706	+24VDC
			707	34.5
HFD-77014	SIGNAL FEEDBACK	4X1.5	708	+24VDC
			709	34.6
			710	+24VDC
			711	34.7
HFD-77015	SIGNAL FEEDBACK	4X1.5	712	+24VDC
			713	39B.8
			714	+24VDC
			715	39B.10
HFD-77016	SIGNAL FEEDBACK	4X1.5	716	+24VDC
			717	39B.12
			718	+24VDC
			719	39B.14

+QG - XFD/S

FIRE DAMPERS SIGNAL TO SIS





MODBUS TCP/IP CONNECTION FROM B400-NET-001

REV.	MODIFICA	DATA	FIRMA	APPR.	
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

TERMINAL STRIP

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 49A

F.S. 50

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
				Hq	4	9
	R5CQE2286R	cabinet comp. 2200x800x600 back	dkc	Hq	4	2
	R5CPFE8100	Modular cabinet compensation panel height 100 width 800	dkc			2
	R5TOE80	Rebate crossbar for modular doors, width 800	dkc			5
	RZPCE8900	Modular wiring panel L.800 H.900	dkc			2
	RZPCE8600	Modular wiring panel L.800 H.600	dkc			2
	RZPCE8500	Modular wiring panel L.800 H.500	dkc			2
	R5CPME8900	Solid modular cabinet door 800 width, 900 door height	dkc			2
	R5CPME8600	Solid modular cabinet door width 800, door height 600	dkc			2
	R5CPME8500	Solid modular cabinet door 800 width, 500 door height	dkc			2
	RZSOE545	Total horizontal support cabinet width 600	dkc			5
	rzdoe8545	PARTIAL HORIZONTAL PARTITION CABINET WIDTH 800 TOTAL DEPTH 545 MM	dkc			5
	RZA33	Lifting Ring	dkc			1
	R5LE2262	Side for cabinet depth 600mm height 2200mm2pcs	dkc			1
	R1ZPRO801	Flangefrontal/side H100 Length 800 2pcs	dkc			2
	R1ZPRO601	Front/side flange H100 length 600	dkc			2
	R1ZCOR1	Modular plinth corner H100 4pcs	dkc			2
	RZKE65	CQE cabinet union kit	dkc			1
	rzkre65	Flat Cooling Kit for CQE Cabinets	dkc			1
	rzksre65	L-shaped union reinforcement kit for CQE cabinets	dkc			1
	RZDVE2260	Vertical partition for QE 2200x600	dkc	Hq	4	1
	rztse02	Lifting brackets for CQE PZ2	dkc			1
32 x 15	534-2	DIN rail EN60715 32x15x1.5 closed	Arnocanali	Hq	5	1.1
32 x 15	PD32Z	Sendzimir rail 32x15x9 closed	Canloplast	Hq	5	4.95
40 x 100	E354	Can.cabl.40x100 SG S/4	Canloplast	Hq	5	9.33
60 x 100	E184	Can.Cabl.60x100 SG S/4	Canloplast	Hq	5	4.83
77-TT-403				Hq		1
77-TT-404				Hq		1
A1	6AV2124-0MC01-0AX0	SIMATIC HMI TP1200 Comfort. Touch control, 12" widescreen display	siemens	Hq	40	1
A2	6ES7155-6AU01-0CN0	IM 155-6 PN HF/2 V4.2 Interface Module	siemens	Hq	41	1
	6ES7193-6AR00-0AA0	BA 2xRJ45 (PROFINET busadapter with standard Ethernet socket for IM-PN)	siemens			1
A3	6ES7131-6BH01-0BA0	Digital Input Module: 16x24VDC ST	siemens	Hq	41	1
	6ES7193-6BP00-0BA0	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	41	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	41	1
	6ES7193-6BP00-0BA0	Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)	siemens			1
A6	6ES7131-6BH01-0BA0	Digital Input Module: 16x24VDC ST	siemens	Hq	41	1
	6ES7193-6BP00-0BA0	Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)	siemens			1
A7	6ES7132-6BH01-0BA0	Digital Output Module: DQ 16x24VDC/0.5A ST	siemens	Hq	41	1
	6ES7193-6BP00-0DA0	Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)	siemens			1
A8	6ES7134-6HD01-0BA1	Analog Input Module: AI 4XU/I 2-Wire ST	siemens	Hq	41	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	41	1
	6ES7193-6BP00-0DA0	Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)	siemens			1

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 50
F.S. 51

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
A10	*6ES7135-6HD00-0BA1*	*Analog Output Module: AQ 4XU/I ST*	*siemens*	*Hq*	41	1
	6ES7193-6BP00-0BA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
A11	*6ES7134-6HD01-0BA1*	*Analog Input Module: AI 4XU/I 2-Wire ST*	*siemens*	*Hq*	41	1
	6ES7193-6BP00-0DA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
A12	*6GK5208-0BA00-2AC2*	*XC208 Managed Switch with 8 RJ45 100Mbit/s Ports*	*siemens*	*Hq*	41	1
A12	*6ES7131-6BH01-0BA0*	*Digital Input Module: 16x24VDC ST*	*siemens*	*Hq*	41	1
	6ES7193-6BP00-0BA0	*Type A0 BU, 16 push-in, 2 power terminals. Separate (digital/analogue, max. 24VDC/10A)*	*siemens*			1
D1	*6ES7513-1RM03-0AB0*	*CPU 1513R-1PN*	*siemens*	*Hq*	40	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*	40	1
	6ES7954-8LF02-0AA0	*Memory card, 24 MB*	*siemens*			1
	6ES7590-1AB60-0AA0	*Profile rail S7-1500, 160 mm*	*siemens*			1
EM LIGHT				*Hq*		1
EPB-002L	*3SU1401-1BH20-1AA0*	*Red LED module for mounting on front plate, 24 ... 240 V AC/DC. Screw terminals*	*siemens*	*Hq*	26	1
F1		*docker*		*Hq*	*7th*	1
F2		*docker*		*Hq*	*7th*	1
F3		*docker*		*Hq*	*7th*	1
F4		*docker*		*Hq*	*7th*	1
FU42.1	*SF900GR*	*SFR.4/GR Sectionable clamp*	*Cabur*	*Hq*	42	1
FU43.1	*SF900GR*	*SFR.4/GR Sectionable clamp*	*Cabur*	*Hq*	43	1
GD1	*6EP1336-3BA10*	*Sitop PSU8200 Single Phase, DC 24 V/20 A. Stabilized Power Supply Input: AC 120...230 V/DC 110-220 V, Output: DC 24 V/20 A*	*siemens*	*Hq*	25	1
HFD-77012		*NC Limit Switch*		*Hq*	*26th*	1
HFD-77012		*Limit Switch: No*		*Hq*	*26th*	1
HFD-77012				*Hq*	49	1
HFD-77013		*NC Limit Switch*		*Hq*	*26th*	1
HFD-77013		*Limit Switch: No*		*Hq*	*26th*	1
HFD-77013				*Hq*	49	1
HFD-77014		*NC Limit Switch*		*Hq*	*26th*	1
HFD-77014		*Limit Switch: No*		*Hq*	*26th*	1
HFD-77014				*Hq*	49	1
HFD-77015		*Limit Switch: No*		*Hq*	*26th*	1
HFD-77015		*NC Limit Switch*		*Hq*	*26th*	1
HFD-77015				*Hq*	49	1
HFD-77016		*Limit Switch: No*		*Hq*	*26th*	1
HFD-77016		*NC Limit Switch*		*Hq*	*26th*	1
HFD-77016				*Hq*	49	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
HL16.1	*3SU1001-6AA60-0AA0*	*Indicator light with smooth lens, white*	*siemens*	*Hq*	16	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
HL24.1	*3SU1001-6AA60-0AA0*	*Indicator light with smooth lens, white*	*siemens*	*Hq*	24	1

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 51
F.S. 52

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
HL24.1	*3SU1401-1BH60-1AA0*	*White LED module for mounting on front plate, 24 ... 240 V AC/DC. Screw terminals*	*siemens*	*Hq*	24	1
	3su1500-0aa10-0aa0	*Support without module. plastic*	*siemens*			1
HL25.1	*3SU1001-6AA60-0AA0*	*Indicator light with smooth lens, white*	*siemens*	*Hq*	25	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
HPB-77-403	*3su1900-0dy30-0aa0*	*Protective collar for merge button, plastic, yellow, 22mm hole*	*siemens*	*Hq*	26	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
	3SU1401-1BH20-1AA0	*Red LED module for mounting on front plate, 24 ... 240 V AC/DC. Screw terminals*	*siemens*			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*	42	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*	42	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*	42	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*	43	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*	43	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*	43	1
HSS-77-010				*Hq*		1
HSS-77-011				*Hq*		1
HSS-77-012				*Hq*		1
KA8.1	*EPN520*	*Stepper Relay 16A 230V 2NA 1M*	*Hager*	*Hq*	8	1
KA9.1	*9404spa*	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20*	*Finder*	*Hq*	9	1
		Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC				
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI*	*Finder*			1
		Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable				
		Protection category: RT I. OPTIO				
KA11.1	*9404spa*	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20*	*Finder*	*Hq*	11	1
		Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC				
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI*	*Finder*			1
		Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable				
		Protection category: RT I. OPTIO				
KA12.1	*9404spa*	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20*	*Finder*	*Hq*	12	1
		Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC				
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI*	*Finder*			1
		Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable				
		Protection category: RT I. OPTIO				
KA12.2	*9404spa*	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20*	*Finder*	*Hq*	12	1
		Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC				
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI*	*Finder*			1
		Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable				
		Protection category: RT I. OPTIO				
KA12.3	*9404spa*	*Socket with socket clamps Mounting: Blind bar 35 mm (H): 10 Degree of protection: IP 20*	*Finder*	*Hq*	12	1
		Accessories: metal or plastic jumper, 6-pole comb, timer modules, signaling modules and EMC				

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 52
F.S. 53

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
KA12.3	094913	*Latching and unhooking jumper*	*Finder*	*Hq*	12	1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA13.1	*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*	*Hq*	13	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA13.2	*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*	13	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA13.3	*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*	13	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA14.1	*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*	*Hq*	14	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA14.2	*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*	14	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA15.1	*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*	*Hq*	15	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA15.2	*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*	15	1
	094913	*Latching and unhooking jumper*	*Finder*			1

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.

DATA	22/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 53
F.S. 54

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
KA15.2	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*	*Hq*	15	1
KA15.3	*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*	15	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA15.4	*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*	15	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300040	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA17.1	*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*	*Hq*	17	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA19.1	*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*	*Hq*	19	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA20.1	*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*	*Hq*	20	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA20.2	*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*	20	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA20.3	*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*	20	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
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04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

Frigotermica
HVAC SYSTEM and EQUIPMENT
S.p.186–Cornegliano Laud. (Lo) Italy
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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 54
F.S. 55

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
KA21.1	*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*	*Hq*	21	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA21.2	*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*	21	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA21.3	*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*	21	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA22.1	*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*	*Hq*	22	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA22.2	*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*	22	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA23.1	*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*	*Hq*	23	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA23.2	*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*	23	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA23.3	*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*	23	1
	094913	*Latching and unhooking jumper*	*Finder*			1

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
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MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 55
F.S. 56

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
KA23.3	553482300054	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*	*Hq*	23	1
KA23.4	*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*	23	1
	094913	*Latching and unhooking jumper*	*Finder*			1
	553482300040	*industrial relay. (A): 7 No. of contacts: 4 Contact configuration: CO Contact material: AGNI Electrical connection: Push-in fitting Power supply: AC volt AC: 230 V. Non-polarized monostable Protection category: RT I. OPTIO*	*Finder*			1
KA26.1	*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*	*Hq*	26	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
KA26.2	*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*	26	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
KA26A.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*	*26th*	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*			1
KA26A.2	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*	*26th*	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*			1
KA26A.3	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*	*26th*	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*			1
KA26A.4	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*	*26th*	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*			1
KA26A.5	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*	*26th*	1

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
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MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 56
F.S. 57

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
KA26A.5	*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*	*26th*	1
KA26A.6	465290240040	*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*	*Finder*	*Hq*	*26th*	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*			1
KA26A.7	465290240040	*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*	*Finder*	*Hq*	*26th*	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*			1
KA26A.8	465290240040	*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*	*Finder*	*Hq*	*26th*	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*			1
KA26A.9	465290240040	*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*	*Finder*	*Hq*	*26th*	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*			1
KA26A.10	465290240040	*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*	*Finder*	*Hq*	*26th*	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*			1
KA30.1	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*	35	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
KA30.3	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*	35	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
KA30.4	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*	35	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

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
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B-400 I&T EQUIPMENT ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 57
F.S. 58

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
KA30.5	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*	35	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
KA30.6	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*	35	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
KA30.7	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*	36	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
KA30.8	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*	36	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
KA30.9	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*	35	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
KA37.1	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*	36	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
KA37.2	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*	36	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
KA42.1	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*	42	1

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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B-400 I&T EQUIPMENT ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 58
F.S. 59

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
KA42.1	*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*	*Hq*	42	1
	094913	*Latching and unhooking jumper*	*Finder*			1
KA43.1	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*	43	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
KM1	*3RT2316-1BB40*	*Contactor, 4 NO, AC-1: 18 to 24 V DC, 4-pole, 4 NO, size S00, screw terminals*	*siemens*	*Hq*	26	1
	3RH29111HA22	*Bloc.Aus.2L 2R 1L,1L,S00/S0,*	*siemens*			1
KM2A	*3RT2015-1AP01*	*Power contactor, AC-3 7 A, 3 kW / 400 V 1 NO, 230 V AC, 50 / 60 Hz 3 poles, size S00 Screw terminals*	*siemens*	*Hq*	13	1
	3RH29111HA22	*Bloc.Aus.2L 2R 1L,1L,S00/S0,*	*siemens*			1
KM2B	*3RT2015-1AP01*	*Power contactor, AC-3 7 A, 3 kW / 400 V 1 NO, 230 V AC, 50 / 60 Hz 3 poles, size S00 Screw terminals*	*siemens*	*Hq*	21	1
	3RH29111HA22	*Bloc.Aus.2L 2R 1L,1L,S00/S0,*	*siemens*			1
KM3A	*3RT20261AN20*	*cont.11kw,1L 1R,AC 220V 50/60Hz,S0 VT*	*siemens*	*Hq*	14	1
	3RH29111HA22	*Bloc.Aus.2L 2R 1L,1L,S00/S0,*	*siemens*			1
KM3B	*3RT20261AN20*	*cont.11kw,1L 1R,AC 220V 50/60Hz,S0 VT*	*siemens*	*Hq*	22	1
	3RH29111HA22	*Bloc.Aus.2L 2R 1L,1L,S00/S0,*	*siemens*			1
KT11.1	*dtmsmm1*	*Temporised Relay 1 C 230V*	*Microidea*	*Hq*	12	1
KT13.1	*dtmsmm1*	*Temporised Relay 1 C 230V*	*Microidea*	*Hq*	13	1
KT14.1	*dtmsmm1*	*Temporised Relay 1 C 230V*	*Microidea*	*Hq*	14	1
KT14.2	*dtmsmm1*	*Temporised Relay 1 C 230V*	*Microidea*	*Hq*	14	1
KT20.1	*dtmsmm1*	*Temporised Relay 1 C 230V*	*Microidea*	*Hq*	20	1
KT21.1	*dtmsmm1*	*Temporised Relay 1 C 230V*	*Microidea*	*Hq*	21	1
KT22.1	*dtmsmm1*	*Temporised Relay 1 C 230V*	*Microidea*	*Hq*	22	1
KT22.2	*dtmsmm1*	*Temporised Relay 1 C 230V*	*Microidea*	*Hq*	22	1
LIGHT				*Hq*		1
MTP-001A	*3RN2000-1AW30*	*Motor protection relay for PTC thermistor supervision 24/240 V AC/DC 1 changeover contact*	*siemens*	*Hq*	13	1
MTP-001B	*3RN2000-1AW30*	*Motor protection relay for PTC thermistor supervision 24/240 V AC/DC 1 changeover contact*	*siemens*	*Hq*	21	1
MVA-1	*DMG600*	*multimeter with icon-based LCD*	*Lovato*	*Hq*	6	1
PDSL-77-402		*Pressure-controlled (pressure switch) No*		*Hq*	15	1
PDSL-77-404		*Pressure-controlled (pressure switch) No*		*Hq*	23	1
PF8.1	*GSV1000220*	*Panel Fan 100x100 230V 24m³/h*	*Cosmotec*	*Hq*	8	1
	GSF10	*air intake filter 100x100*	*Cosmotec*			1
PF16.1	*GSF10*	*air intake filter 100x100*	*Cosmotec*	*Hq*	16	1
	GSV1000220	*Panel Fan 100x100 230V 24m³/h*	*Cosmotec*			1
PF24.1	*GSV1000220*	*Panel Fan 100x100 230V 24m³/h*	*Cosmotec*	*Hq*	24	1
	GSF10	*air intake filter 100x100*	*Cosmotec*			1
PFT8.1	*007026.00001*	*Thermostate Panel Fan*	*Fandis*	*Hq*	8	1
PFT16.1	*007026.00001*	*Thermostate Panel Fan*	*Fandis*	*Hq*	16	1
PFT24.1	*007026.00001*	*Thermostate Panel Fan*	*Fandis*	*Hq*	24	2
PH8.1	*050ra50*	*Anticondensing Heater 230V 50W*	*New Elfin*	*Hq*	8	1
PH16.1	*050ra50*	*Anticondensing Heater 230V 50W*	*New Elfin*	*Hq*	16	1
PH24.1	*050ra50*	*Anticondensing Heater 230V 50W*	*New Elfin*	*Hq*	24	1

REV.	MODIFICA	DATA	FIRMA
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.

DATA	22/04/2024
DISEGN.	F.M.
VISTO	S.S.
APPR.	M.G.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 59
F.S. 60

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
PHT8.1	*007038.00001*	*Antcondensing Thermostat 230V*	*Fandis*	*Hq*	8	1
PHT16.1	*007038.00001*	*Antcondensing Thermostat 230V*	*Fandis*	*Hq*	16	1
PHT24.1	*007038.00001*	*Antcondensing Thermostat 230V*	*Fandis*	*Hq*	24	1
PL8.1	*050PEL3C*	*230V lamp*	*New Elfin*	*Hq*	8	1
	050kfm	*Magnet kit*	*New Elfin*			1
PL16.1	*050PEL3C*	*230V lamp*	*New Elfin*	*Hq*	16	1
	050kfm	*Magnet kit*	*New Elfin*			1
PL24.1	*050PEL3C*	*230V lamp*	*New Elfin*	*Hq*	24	1
	050kfm	*Magnet kit*	*New Elfin*			1
PL25.1	*050PEL3C-24V*	*LED Linear Ceiling Light 24V AC/DC, 600LM 368mm*	*New Elfin*	*Hq*	25	1
	050kfm	*Magnet kit*	*New Elfin*			1
PLS8.1	*RAMC05*	*Micro Door Opening Switch 1 No & 1NC*	*dkc*	*Hq*	8	1
PLS16.1	*RAMC05*	*Micro Door Opening Switch 1 No & 1NC*	*dkc*	*Hq*	16	1
PLS24.1	*RAMC05*	*Micro Door Opening Switch 1 No & 1NC*	*dkc*	*Hq*	24	2
PLS25.1	*RAMC05*	*Micro Door Opening Switch 1 No & 1NC*	*dkc*	*Hq*	25	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*	*7th*	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QF1A	*5SY7506-7*	*Circuit breaker 230 V 15KA, 1P N, C, 6 A, D=70 mm*	*siemens*	*Hq*	10	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QF1B	*5SY7506-7*	*Circuit breaker 230 V 15KA, 1P N, C, 6 A, D=70 mm*	*siemens*	*Hq*	18	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*	*7th*	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*	7	1
	5ST3010	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*			1
QF4	*5SY7503-7*	*Circuit breaker 230 V 15Ka, 1P N, C, 3 A, D=70 mm*	*siemens*	*Hq*	25	1
QF5	*5SY5220-7*	*Universal current circuit breaker 440 V DC - 400 V AC 10Ka, 2P, C, 20 A*	*siemens*	*Hq*	25	1
QF6	*5su1354-1kk06*	*RCD, 10 kA, 1P N, AC Type, 30 mA, C, In: 6 A, One AC: 230 V*	*siemens*	*Hq*	7	1
QF400	*5SY74027*	*Int. MT 4P C2 ICN 15KA, ICU 50KA*	*siemens*	*Hq*	6	1
QFA	*3VA1132-4GF42-0AA0*	*Switch 3VA1 IEC Chassis 160 Switching Capacity Class S ICU=36 KA 415 V 4-Pole, TM240 System Protection, ATAM, IN=32 A Overload Protection IR=22 A... 32 A Short-Circuit Protection II=5...10 x in N-Conductor Protection 100% terminal LUG*	*siemens*	*Hq*	6	1
	3VA9157-0FK21	*com. rinv. Door Lock x 3VA10/1 STD*	*siemens*			1
	3VA9988-0BL30	*bobsleigh. Launch SIN 24VAC 50/60 Hz/12-30 VDC*	*siemens*			1
	3VA9988-0AA11	*Cont. HP-type status*	*siemens*			1
	3VA9111-0WD40	*Cover x 3VA10/1 4P 1pcs.*	*siemens*			2
QFB	*3VA1132-4GF42-0AA0*	*Switch 3VA1 IEC Chassis 160 Switching Capacity Class S ICU=36 KA 415 V 4-Pole, TM240 System Protection, ATAM, IN=32 A Overload Protection IR=22 A... 32 A Short-Circuit Protection II=5...10 x in N-Conductor Protection 100% terminal LUG*	*siemens*	*Hq*	6	1
	3VA9157-0FK21	*com. rinv. Door Lock x 3VA10/1 STD*	*siemens*			1
	3VA9988-0BL30	*bobsleigh. Launch SIN 24VAC 50/60 Hz/12-30 VDC*	*siemens*			1
	3VA9988-0AA11	*Cont. HP-type status*	*siemens*			1
	3VA9111-0WD40	*Cover x 3VA10/1 4P 1pcs.*	*siemens*			2
QM1	*5SY7410-7*	*Circuit breaker 400 V 15kA, 4P, C, 10 A, D=70 mm*	*siemens*	*Hq*	7	1
	5SM23420	*Block diff. 4P 40A 30mA Type AC x 5sy*	*siemens*			1

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

MATERIAL LIST
LISTA METERIALI

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 60
F.S. 61

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
QM1	*5ST3010*	*Auxiliary contact block, 1 NO 1 NC for 5SL, 5SY, 5SP circuit breaker*	*siemens*	*Hq*	7	1
QM1A	*3RV2011-1AA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 1.1...1.6 A, trip N 21 A, screw terminal*	*siemens*	*Hq*	9	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
QM1B	*3RV2011-1AA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 1.1...1.6 A, trip N 21 A, screw terminal*	*siemens*	*Hq*	17	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
QM2A	*3RV2011-1GA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 4.5...6.3 A, trip N 82 A, screw terminal*	*siemens*	*Hq*	10	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
	3RA19211DA00	*El.Col. Electr.Mech. (1pack=1pcs)*	*siemens*			1
QM2B	*3RV2011-1GA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 4.5...6.3 A, trip N 82 A, screw terminal*	*siemens*	*Hq*	18	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
	3RA19211DA00	*El.Col. Electr.Mech. (1pack=1pcs)*	*siemens*			1
QM3A	*3RV20214BA10*	*Int.aut.s0, 14-20a,vt*	*siemens*	*Hq*	10	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
	3RA29211AA00	*mod.coll.vt x 3rv2-3rt2 ac*	*siemens*			1
QM3B	*3RV20214BA10*	*Int.aut.s0, 14-20a,vt*	*siemens*	*Hq*	18	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
	3RA29211AA00	*mod.coll.vt x 3rv2-3rt2 ac*	*siemens*			1
QM4A	*3RV20114AA10*	*int.aut.s00, 11-16a,vt*	*siemens*	*Hq*	10	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
QM4B	*3RV2011-4AA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 10...16 A, trip N 208 A, screw terminal*	*siemens*	*Hq*	18	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
QM5A	*3RV2011-1DA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 2.2...3.2 A, trip N 42 A, screw terminal*	*siemens*	*Hq*	11	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
QM5B	*3RV2011-1DA10*	*Circuit breaker size S00 for motor protection, class 10, trip A 2.2...3.2 A, trip N 42 A, screw terminal*	*siemens*	*Hq*	19	1
	3RV2901-1E	*Cross Auxiliary Contact Block 1No 1NC Screw Terminals for 3RV2 Circuit Breakers*	*siemens*			1
QS1	*3VA1140-4GF42-0AA0*	*Switch 3VA1 IEC Chassis 160 Switching Capacity Class S ICU=36 KA 415 V 4-pole, TM240 system protection, ATAM, IN=40 A overload protection IR=28 A... 40 A Short-Circuit Protection II=5...10 x in N-Conductor Protection 100% terminal LUG*	*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
SA27.1		*Three-position selector switch No rest 0*		*Hq*	27	1
SA27.2		*Three-position no-sleep selector switch 1*		*Hq*	27	1
TA1	*TAC022150X05*	*Amperometric transformer hole 22, transformation ratio 150/5 A*	*Frer*	*Hq*	6	1
TA2	*TAC022150X05*	*Amperometric transformer hole 22, transformation ratio 150/5 A*	*Frer*	*Hq*	6	1
TA3	*TAC022150X05*	*Amperometric transformer hole 22, transformation ratio 150/5 A*	*Frer*	*Hq*	6	1
VSD-1A	*6SL3210-5BE15-5CV0*	*SinamiCs V20 3AC380-480V 0.55kw with C3 filter*	*siemens*	*Hq*	9	1

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
03	ISSUED FOR CONSTRUCTION	04/09/24	F.M.	VISTO	S.S.

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CLIENT: CROSSWIND

BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 61
F.S. 62

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
VSD-1B	*6SL3210-5BE15-5CV0*	*SinamiCs V20 3AC380-480V 0.55kw with C3 filter*	*siemens*	*Hq*	17	1
VSD-5A	*6SL3210-5BE21-1CV0*	*SinamiCs V20 3AC380-480V 1.1kw with C3 Filter*	*siemens*	*Hq*	11	1
VSD-5B	*6SL3210-5BE21-1CV0*	*SinamiCs V20 3AC380-480V 1.1kw with C3 Filter*	*siemens*	*Hq*	19	1
X3		*RJ45 port per panel*		*Hq*	*49th*	1
XA1	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		30
	BT005	*BTU Terminal Block*	*Cabur*			2
XA2	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		30
	BT005	*BTU Terminal Block*	*Cabur*			2
XC	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		8
	BT005	*BTU Terminal Block*	*Cabur*			2
XFD	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		20
XFD/S	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		20
XM1	*CBC02GR*	*CBC.2/GR Thru-Clamp*	*Cabur*	*Hq*		6
	CBC10gr	*CBC.10/gr Thru-Clamp*	*Cabur*			6
	CBC04GR	*CBC.4/GR Feed-through clamp*	*Cabur*			6
	BT005	*BTU Terminal Block*	*Cabur*			2
XM2	*CBC02GR*	*CBC.2/GR Thru-Clamp*	*Cabur*	*Hq*		6
	CBC10gr	*CBC.10/gr Thru-Clamp*	*Cabur*			6
	CBC04GR	*CBC.4/GR Feed-through clamp*	*Cabur*			6
	BT005	*BTU Terminal Block*	*Cabur*			2
XMD1	*SF900GR*	*SFR.4/GR Sectionable clamp*	*Cabur*	*Hq*		6
	CBS02GR	*Sectionable clamp 2.5 mm2*	*Cabur*			12
	BT005	*BTU Terminal Block*	*Cabur*			2
XMD2	*SF900GR*	*SFR.4/GR Sectionable clamp*	*Cabur*	*Hq*		6
	CBS02GR	*Sectionable clamp 2.5 mm2*	*Cabur*			12
	BT005	*BTU Terminal Block*	*Cabur*			2
XP1	*CBC35gr*	*CBC.35/GR Feed-through clamp*	*Cabur*	*Hq*		5
	CBC02GR	*CBC.2/GR Thru-Clamp*	*Cabur*			8
	CBC04GR	*CBC.4/GR Feed-through clamp*	*Cabur*			6
	BT005	*BTU Terminal Block*	*Cabur*			2
XT	*CBS02GR*	*Sectionable clamp 2.5 mm2*	*Cabur*	*Hq*		13
	BT005	*BTU Terminal Block*	*Cabur*			2
XUPS	*CBC04GR*	*CBC.4/GR Feed-through clamp*	*Cabur*	*Hq*		2
	BT005	*BTU Terminal Block*	*Cabur*			2

REV.	MODIFICA	DATA	FIRMA	APPR.	M.G.
05	ACCEPT FOR CONSTRUCTION	27/01/25	F.M.	DATA	22/04/2024
04	ACCEPT FOR CONSTRUCTION	10/12/24	F.M.	DISEGN.	F.M.
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BASE LOAD POWER HUB (BLPH)
B-400 I&T EQUIPMENT ROOM

Distinta Materiali
Bill of Materials

ROSETTI MARINO | ALEXSISTEMI spa

1724000049-HV-DA-00029

FG. 62
F.S. /