BASE LOAD POWER HUB (BLPH)

WIRING DIAGRAM LCP 50-LP-001

ROSETTI MARINO

1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED

NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.

Sign	Date
	21-01-2025

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
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00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
COVER

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 1

REV. 04

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

LISTA FOGLI \ INDEX

Foglio Sheet	Pagina Page	Descrizione Description	Revisioni Revisions								
			1	2	3	4	5	6	7	8	9
1	1	COVER	X	X	X	X					
2	2	SHEET LEGEND	X	X	X	X					
2A	3	SHEET LEGEND	X	X	X	X					
2B	4	SHEET LEGEND		X	X	X					
4	5	GENERAL DATA	X								
4A	6	GENERAL DATA		X	X						
5	7	PLATE LIST	X	X	X						
6	8	FRONT VIEW 50-LP-001	X	X	X						
6A	9	REAR VIEW 50-LP-001	X		X						
6B	10	SIDES VIEW 50-LP-001	X								
6C	11	TOP/BOTTOM VIEW 50-LP-001	X	X	X						
6D	12	BLANK SHEET	X	X							
6E	13	INTERNAL VIEW 50-LP-001	X	X	X						
20	14	COMPONENT LIST	X	X	X						
20A	15	COMPONENT LIST	X	X	X						
20B	16	COMPONENT LIST	X	X	X						
20C	17	COMPONENT LIST	X	X	X						
20D	18	COMPONENT LIST	X	X	X						
20E	19	COMPONENT LIST	X	X	X						
20F	20	COMPONENT LIST	X	X	X	X					
20G	21	COMPONENT LIST		X	X	X					
25	22	SYMBOL LIST			X						
25A	23	SYMBOL LIST			X						
25B	24	SYMBOL LIST			X						
30	25	INCOMING MAIN LINE	X	X	X						
32	26	INCOMING UPS LINE	X	X	X						
34	27	230VAC DISTRIBUTION	X		X						
36	28	230VAC DISTRIBUTION		X							
38	29	230VAC AUXILIARY	X								
40	30	24VDC DISTRIBUTION	X								
42	31	24VDC INSTRUMENT SUPPLY		X	X						
60	32	HP SWRO PUMPS			X						
62	33	HP SWRO PUMPS SPARE			X						
66	34	ELECTRIC HEATER	X	X	X						
70	35	BOOSTER SW PUMPS MOTORS									
72	36	BACKWASH PUMPS MOTORS		X							
74	37	FRESH WATER PUMPS MOTORS		X							
76	38	CONTAINER HEATER		X							
77	39	CONTAINER HEATER		X							
78	40	CONTAINER FAN		X							
88	41	LIGHTING CIRCUIT	X		X						
90	42	UV STERILIZER	X								
92	43	LP COARSE FILTER A-500003	X	X							
94	44	LP SAND FILTER S-500001	X								
96	45	FIRE&GAS PANEL	X		X						
100	46	SOFTENING FILTER	X								
110	47	SODA DOSING PUMPS	X								
112	48	ANTISCALANT DOSING PUMPS	X								
114	49	BIOCIDE DOSING PUMPS TO CONTAINER INLET	X								
116	50	BIOCIDE DOS. PUMPS TO SEAWATER INTAKE	X								
118	51	BIOCIDE DOS. PUMPS TO WASTEWATER TANK	X								
148	52	SWITCH ETHERNET	X	X	X						

DOC. REF: PK2885-A-002

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TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
SHEET LEGEND

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 2

REV. 04

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

LISTA FOGLI \ INDEX

Foglio Sheet	Pagina Page	Descrizione Description	Revisioni Revisions								
			1	2	3	4	5	6	7	8	9
150	53	HMI			X						
152	54	CPU A			X						
154	55	CPU B									
160	56	RACK 1		X							
170	57	WIRING DIGITAL INPUT RACK 1 SLOT 1			X						
172	58	WIRING DIGITAL INPUT RACK 1 SLOT 1		X		X					
174	59	WIRING DIGITAL INPUT RACK 1 SLOT 2	X			X					
176	60	WIRING DIGITAL INPUT RACK 1 SLOT 2		X							
178	61	WIRING DIGITAL INPUT RACK 1 SLOT 3	X								
180	62	WIRING DIGITAL INPUT RACK 1 SLOT 3		X	X						
182	63	WIRING DIGITAL INPUT RACK 1 SLOT 4	X								
184	64	WIRING DIGITAL INPUT RACK 1 SLOT 4		X	X						
186	65	WIRING DIGITAL INPUT RACK 1 SLOT 5									
188	66	WIRING DIGITAL INPUT RACK 1 SLOT 5		X	X						
190	67	WIRING DIGITAL INPUT RACK 1 SLOT 6									
192	68	WIRING DIGITAL INPUT RACK 1 SLOT 6		X							
194	69	WIRING DIGITAL INPUT RACK 1 SLOT 7		X							
196	70	WIRING DIGITAL INPUT RACK 1 SLOT 7		X	X						
198	71	WIRING DIGITAL INPUT RACK 1 SLOT 8			X						
200	72	WIRING DIGITAL INPUT RACK 1 SLOT 8			X						
210	73	WIRING DIGITAL OUTPUT RACK 1 SLOT 9	X	X	X	X					
212	74	WIRING DIGITAL OUTPUT RACK 1 SLOT 9	X	X	X	X					
214	75	WIRING DIGITAL OUTPUT RACK 1 SLOT 10		X	X						
216	76	WIRING DIGITAL OUTPUT RACK 1 SLOT 10		X	X						
218	77	WIRING DIGITAL OUTPUT RACK 1 SLOT 11		X	X						
220	78	WIRING DIGITAL OUTPUT RACK 1 SLOT 11		X	X						
222	79	WIRING DIGITAL OUTPUT RACK 1 SLOT 12		X	X						
224	80	WIRING DIGITAL OUTPUT RACK 1 SLOT 12		X	X						
240	81	WIRING ANALOG INPUT RACK 1 SLOT 13		X	X						
242	82	WIRING ANALOG INPUT RACK 1 SLOT 13		X	X						
244	83	WIRING ANALOG INPUT RACK 1 SLOT 14		X	X						
246	84	WIRING ANALOG INPUT RACK 1 SLOT 14		X	X						
248	85	WIRING ANALOG INPUT RACK 1 SLOT 15		X	X						
250	86	WIRING ANALOG INPUT RACK 1 SLOT 15		X	X						
252	87	WIRING ANALOG INPUT RACK 1 SLOT 16		X	X						
254	88	WIRING ANALOG INPUT RACK 1 SLOT 16		X	X						
256	89	WIRING ANALOG INPUT RACK 1 SLOT 17		X	X						
258	90	WIRING ANALOG INPUT RACK 1 SLOT 17		X	X						
280	91	WIRING ANALOG OUTPUT RACK 1 SLOT 18		X	X						
282	92	WIRING ANALOG OUTPUT RACK 1 SLOT 19		X	X						
300	93	AUXILIARY CONTACT	X			X					
302	94	AUXILIARY CONTACT	X	X		X					
304	95	AUXILIARY CONTACT			X	X					
306	96	AUXILIARY CONTACT		X		X					
308	97	AUXILIARY CONTACT			X	X					
310	98	AUXILIARY CONTACT		X							
312	99	AUXILIARY CONTACT		X							
314	100	AUXILIARY CONTACT		X	X	X					
320	101	EXTERNAL COMMAND	X			X					
400	102	TERMINAL STRIP XMAIN - XUPS - FDI		X	X						
402	103	TERMINAL STRIP XM1	X	X	X						
403	104	TERMINAL STRIP XM2 - XM3	X	X	X						

PSC

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CROSSWIND

ROSETTI MARINO

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PACKAGE WIRING DIAGRAM LCP
SHEET LEGEND

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 2A

REV. 04

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

LISTA FOGLI \ INDEX

Foglio Sheet	Pagina Page	Descrizione Description	Revisioni Revisions 1	2	3	4	5	6	7	8	9	Foglio Sheet	Pagina Page	Descrizione Description	Revisioni Revisions 1	2	3	4	5	6	7	8	9
404	105	TERMINAL STRIP XINS1 - XINS2	X	X	X																		
406	106	TERMINAL STRIP XDI	X	X	X	X																	
408	107	TERMINAL STRIP XDO		X	X	X																	
410	108	TERMINAL STRIP XAI		X	X																		
412	109	TERMINAL STRIP XAO	X	X																			
414	110	TERMINAL STRIP XEXT - XPF - XSL1	X		X																		
420	111	TERMINAL STRIP TDI		X	X																		
422	112	TERMINAL STRIP TDO		X	X	X																	
424	113	TERMINAL STRIP TAI		X	X																		
426	114	TERMINAL STRIP TAO		X																			
430	115	GA JB-500E8			X																		
431	116	GA JB-500E8			X																		
432	117	GA JB-500F8			X																		
	118	ARC FLASH				X																	
	119	ARC FLASH				X																	
	120	ARC FLASH HAZARD				X																	
	121	ARC FLASH HAZARD				X																	

PSC

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 2B

REV. 04

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

A	DATI GENERALI General data							
A1	NORME Standard	☐ CEI	■ IEC	☐ UL				
A2	LINGUA CONTRATTUALE Contrattual language	☐ ITALIANO	■ **ENGLISH**	.....				
A3	CLIMA Climate	☐ NORMALE Normal	☐ TROPICALE Tropical	■ Seaside Climate/Aggressive				
A4	TEMPERATURA Temperature	**+40°C Max / −8.4°C Min**						
A5	UMIDITA' Humidity	**100% RA Max / 5% Min**						
A6	LUOGO DI INSTALLAZIONE Installation place	**Indoor / Air Conditioned Room**						
A7	TRATTAMENTO APPARECCHIATURE Equipments treatment	■ **NORMALE** **Standard**	☐ **TROPICALE** **Tropical**					

B	DATI MECCANICI Mechanical data							
B1	GRADO DI PROTEZIONE Mechanical protection	**IP54 (INTERNAL IP20)**						
B2	ALIMENTAZIONE Supply	ARRIVO Incoming	■ **ALTO** **Top**	☐ BASSO Bottom	■ **CAVO** **Cable**	☐ CONDOTTO Bus duct		
		PARTENZE Outgoing	■ **ALTO** **Top**	☐ BASSO Bottom	■ **CAVO** **Cable**	☐ CONDOTTO Bus duct		
B3	LAMIERE DI FONDO Bottom plates	■ **POTENZA** **Power**	■ **SI** **Yes**	☐ NO Not	☐ FISSE Fixed	■ **ASPORTABILI** **Removable**		
		■ **AUSILIARI** **Auxiliary**	■ **SI** **Yes**	☐ NO Not	☐ FISSE Fixed	■ **ASPORTABILI** **Removable**		
B4	ACCESSIBILITA' Accessibility	■ **FRONTE** **Front**	☐ RETRO Rear					
B5	GUARNIZIONI Gaskets	■ **SI** **Yes**	☐ NO Not					
B6	MORSETTIERE FISSE SU VANI DISPONIBILI M.C.C. Fixed aux. terminals in available M.C.C. cubicles	☐ SI Yes	☐ NO Not					
B7	SERRATURE Locks	TIPO Type	☐ CHIAVE Ng Key Ng	■ DOPPIA IMPRONTA Double impression				
B8	SOLLEVAMENTO QUADRO Lifting board	■ GOLFARI Lifting eye bolt	☐ FERRI FISSI Fixed irons	☐ FERRI ASPORTABILI Removable irons				
B9	FERRI DI FONDAZIONE Base irons	☐ SI Yes	■ **NO** **Not**	.....				

C	VERNICIATURA Painting				
C1	SPECIFICHE DI RIFERIMENTO Reference specifications	**STD MFR**			
C2	ESTERNA Esternal	/	STRUTTURA Structure	☐ LISCIO Smooth	■ BUCCIATO Peel type
				COLORE Colour **LIGHT GREY**	RAL **7035**
C3	ESTERNA Esternal	/	PORTELLE Doors	☐ LISCIO Smooth	■ BUCCIATO Peel type
				COLORE Colour **LIGHT GREY**	RAL **7035**
C4	INTERNA Internal	COLORE Colour **LIGHT GREY**	☐ LISCIO Smooth	■ BUCCIATO Peel type	
			RAL **7035**	☐ ANTICONDENSA Anticondensation	
C5	STRUTTURA – SUPPORTI Structure – mounting	■ **ZINCOPASSIVATI** **Cold galvanized**			

D	TARGHETTE ESTERNE External labels		
D1	MATERIALE Material	☐ Plastic Back ground White – Letters Black Fixing by stainless steel screws	■ TRAFFOLYTE Back ground White – Letters Black Fixing by stainless steel screws

E	DATI ELETTRICI Electrical data			
E1	TENSIONE DI ESERCIZIO Operating voltage	**400 Vac 50 Hz**		
E2	TENSIONE DI ISOLAMENTO Insulation voltage	**0.6/1** KV		
E3	TENSIONE DI PROVA Withstand voltage	**4** KV	50 Hz c/s	PER 1" For
E4	FREQUENZA Frequency	50 Hz c/s		
E5	SBARRE OMNIBUS Main bus bars	-- A	-- mm	
E6	CORRENTE DI C.TO C.TO SIMMETRICA Short circuit current symm. r.m.s.	**25** KA	PER For	**1** SEC.
E7	CORRENTE DI C.TO C.TO VALORE DI PICCO Short circuit current peak value	**25** KA		

PSC

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CROSSWIND

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PACKAGE WIRING DIAGRAM LCP
GENERAL DATA

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 4

REV. 01

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

F — CIRCUITI AUSILIARI / Ausiliary circuits

F1 — COLLEGAMENTI AUSILIARI IN CORDA Cu–SEZ. / Auxiliary connections with copper wire section

400 Vac SUPPLY 2.5 sqmm min	COLORE Colour	Phase 1: Black Phase 2: Black Phase 3: Black Neutral: Light Blue
230 Vac SUPPLY 1.5 sqmm min	COLORE Colour	Phase: Brown Neutral: Light Blue
DC POWER SUPPLY 1.5 sqmm min	COLORE Colour	(+) : Red (–) : Black
Analog signals 0.5 sqmm min.	COLORE Colour	Input : White Output : White
Digital signals 0.5 sqmm min.	COLORE Colour	Input : Grey Output : Grey
Free Contact 1 sqmm min.	COLORE Colour	Orange
Protective Ground 1.5 sqmm min.	COLORE Colour	Green/Yellow
Instrument Circuit Ground 1.5 sqmm min.	COLORE Colour	Green/Yellow

F2 — COLLEGARE A TERRA TUTTE LE PARTI METALLICHE CON MONTATA APPARECCHIATURA (LE PORTINE SEMPRE) CON:

All metal parts, the doors always, are to be connected to earth bar with:

■ CAVO GIALLO/VERDE Green/Yellow — □ TRECCIA Braid — SEZ. Sec. 1.5/2.5/6/10/16sqmm

PROTECTIVE EARTH (PE)	SEZ. Sec.	COPPER BAR 150sqmm (30x5)
INSTRUMENT EARTH (IE)	SEZ. Sec.	COPPER BAR 100sqmm (12x4)

F3

WIRING :

- Type: H07V–K (> 1.5 sqmm)
- Material : STRANDED COPPER WIRE (IEC 60228 cl.5)
- Voltage rating : 450/750 V
- Insulation : PVC compound

- Type: H05V–K (< 1.5 sqmm)
- Material : STRANDED COPPER WIRE (IEC 60228 cl.5)
- Voltage rating : 350/500 V
- Insulation : PVC compound

NOTE :

I SEGNALI ANALOGICI–DIGITALI ANDRANNO CABLATI E INSTALLATI IN CANALINE DEDICATE, SEPARATE DAL CABLAGGIO DI POTENZA.

The analog–digital signal wires shall be installed in dedicated cable duct, separated from power cable.

NOTE :

THIS DOCUMENT INCLUDES ONLY PLC AND MCC PANEL WIRING

FOR F&G WIRING PLEASE REFER TO DOCUMENT NO. 1724000448–MAC–DG–00036

PSC — DOC. REF: PK2885–A–002

CROSSWIND — ROSETTI MARINO

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GENERAL DATA

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

A3 | DRAWING NO. 1724000448–IN–DG–00014 | SHEET 4A | REV. 03

File Name : PK2885_1

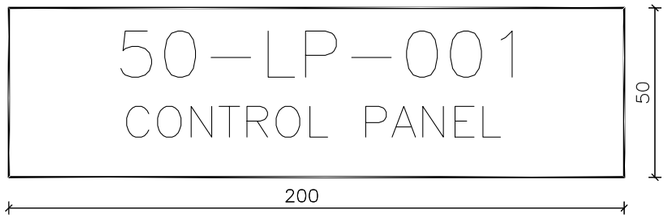
F.to UNI A3: 420mmx297mm

PLATES LIST

MATERIAL _**Traffolyte**_ _ _ _ _ BACKGROUND _**White**_ _ _ _ _ _ _ ENGRAVING _**Black**_ _ FIXING _**Biadhesive**_ _ _ _ _ _ _

POS.	Q.TY	TAG	DIMENS.	FIRST LINE		SECOND LINE		THIRD LINE	
				WRITING	HIGH (mm)	WRITING	HIGH (mm)	WRITING	HIGH (mm)
1	1	**Z1**	200x50	**50-LP-001**	15	**CONTROL PANEL**	10		10
2	1	**Z2**	70x20	**POWER ON 230 Vac 50Hz**	4	**L1 FROM MAIN**	4		
3	1	**Z3**	70x20	**POWER ON 230 Vac 50Hz**	4	**L2 FROM MAIN**	4		
4	1	**Z4**	70x20	**POWER ON 230 Vac 50Hz**	4	**L3 FROM MAIN**	4		
5	1	**Z5**	70x20	**POWER ON 230 Vac 50Hz**	4	**FROM UPS**	4		
6	1	**Z6**	70x20	**POWER ON 24 Vdc**	4				
7	1	**Z7**	70x20	**INCOMING POWER MONITORING**	4				
8	1	**Z8**	70x20	**TEMPERATURE MONITORING**	4				
9	1	**Z9**	70x20	**MAIN SWITCH LINE**	4				

Z1



Z2



Z3



Z4



Z5



Z6



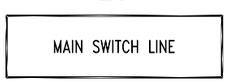
Z7



Z8



Z9



CHARACTER HEIGHT : 4mm (first line)
4mm (second line)

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PLATE LIST

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

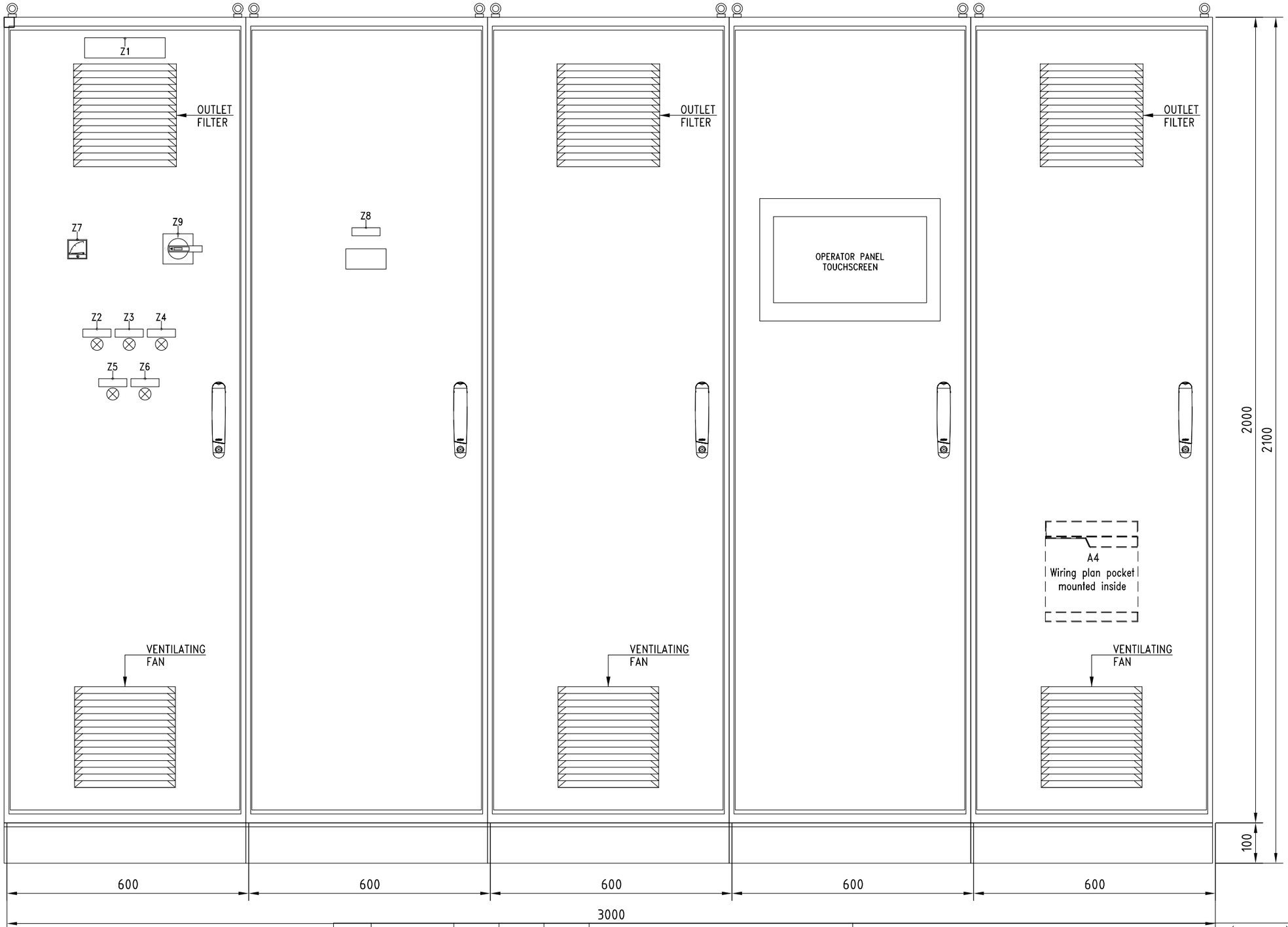
SHEET 5

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

50-LP-001



FRONT VIEW "50-LP-001"

PSC DOC. REF: PK2885-A-002

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TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
FRONT VIEW 50-LP-001

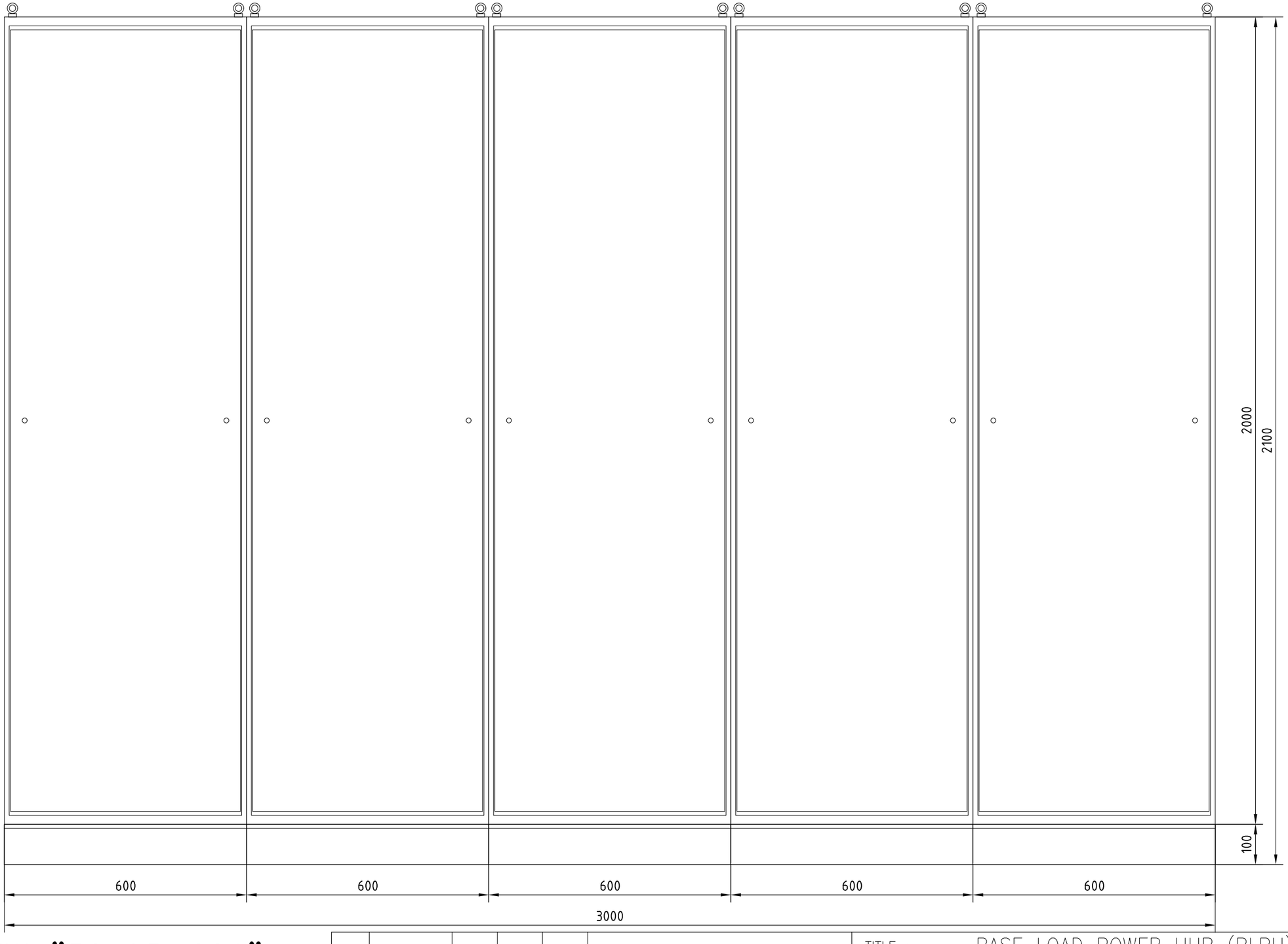
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : --

A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 6 | REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm



REAR VIEW "50-LP-001"

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

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PACKAGE WIRING DIAGRAM LCP
REAR VIEW 50-LP-001

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 6A

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

SIDE RIGHT

"50-LP-001"

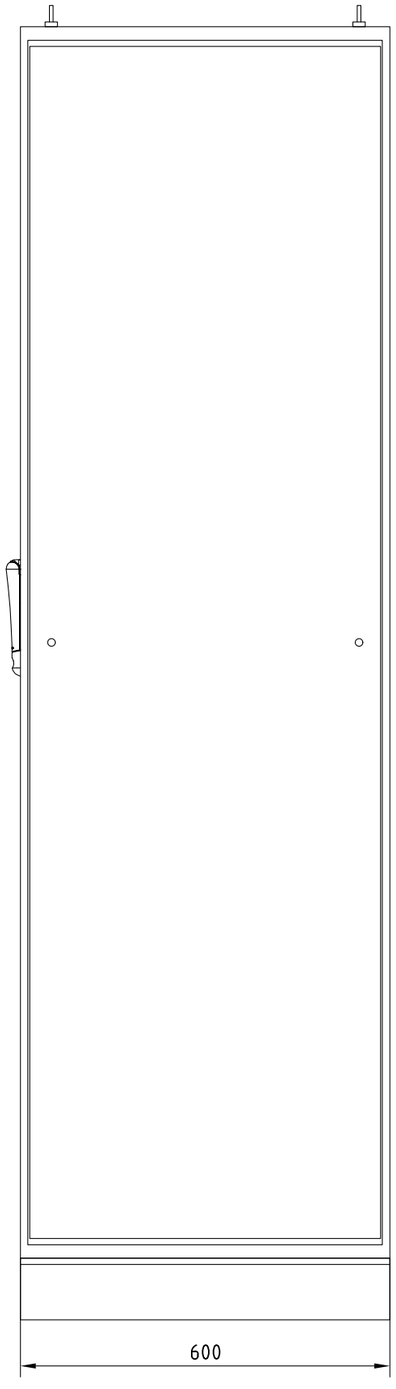
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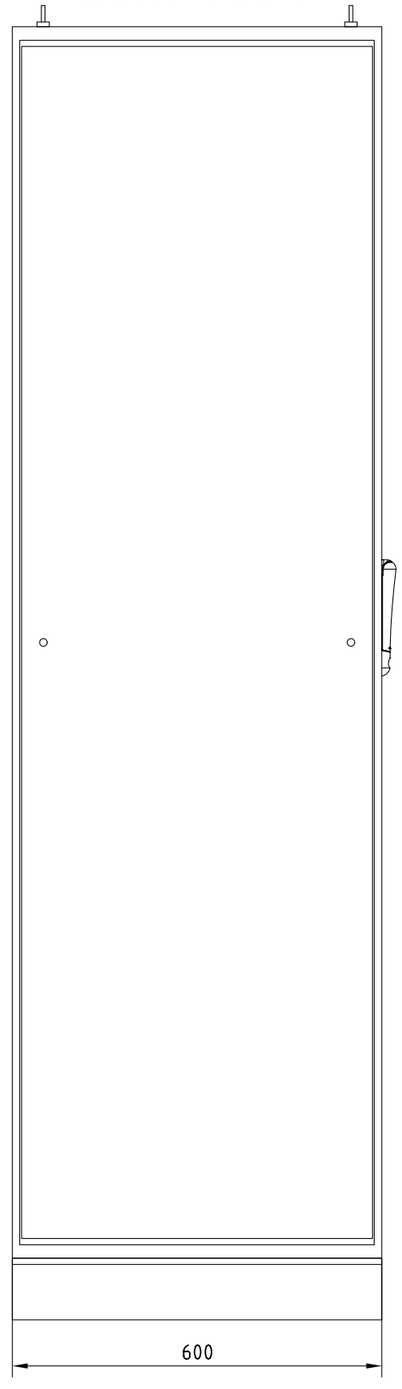
FRONT

REAR

REAR

FRONT





DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
SIDES VIEW 50-LP-001

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 6B

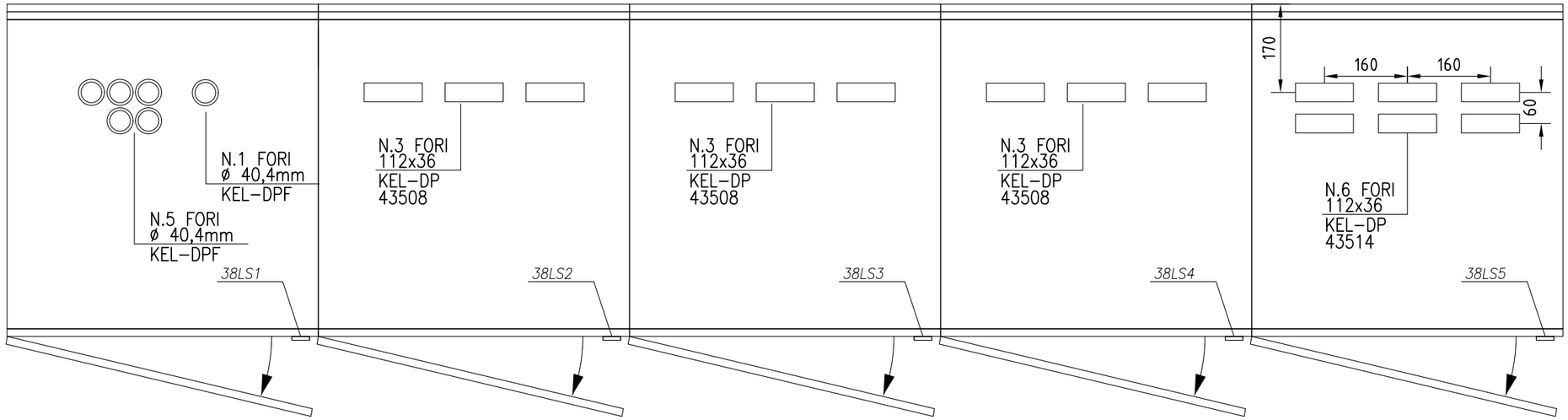
REV. 01

File Name : PK2885_1

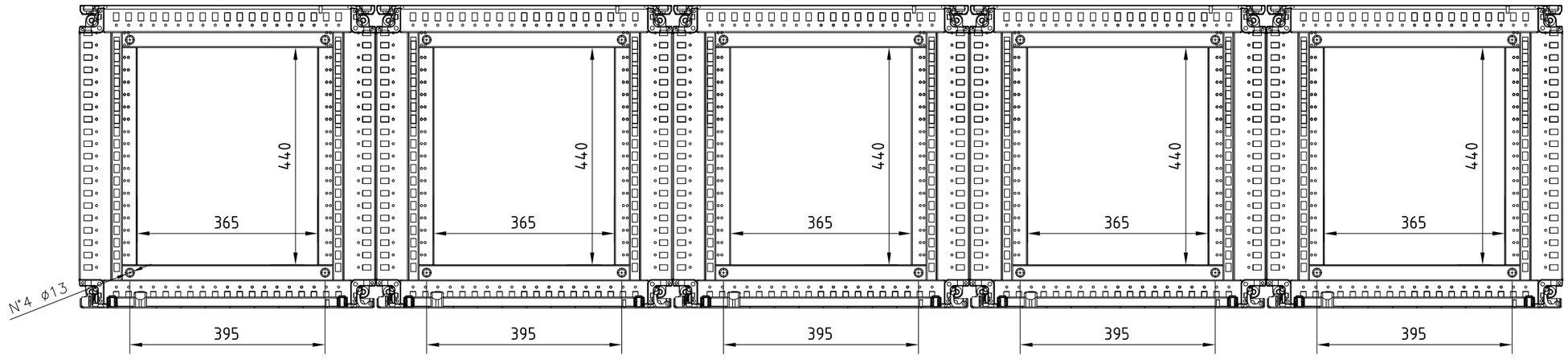
F.to UNI A3: 420mmx297mm

"50-LP-001"

TOP VIEW



BOTTOM VIEW



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TOP/BOTTOM VIEW 50-LP-001

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 6C

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
BLANK SHEET

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 6D

REV. 02

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

LEGEND

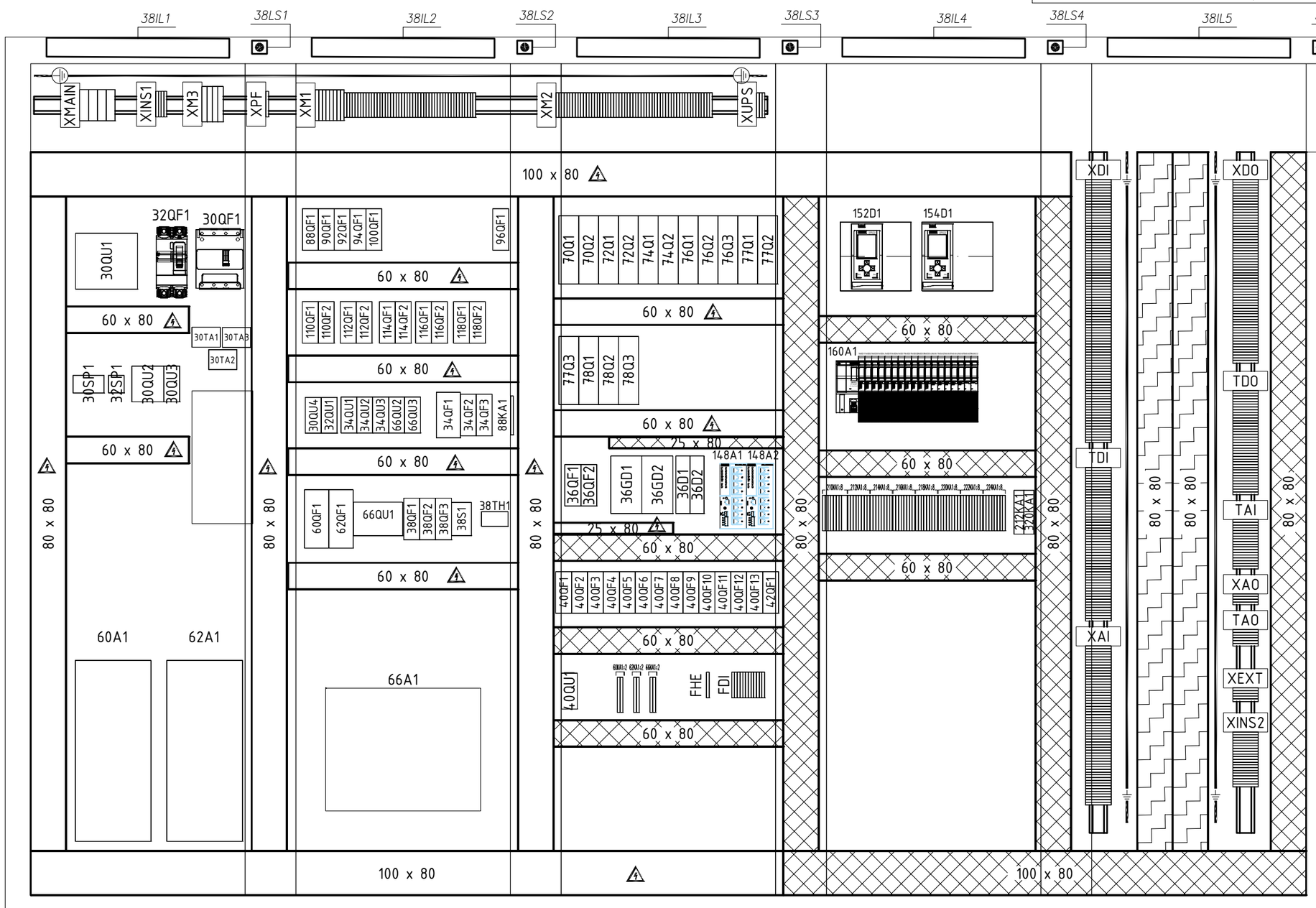
AC Safety Ground (GND)

Instrument Circuit Ground

CABLE FROM FIELD

Supply 400/230 Vac (Internal wiring)

24 Vdc (Internal wiring)



INTERNAL VIEW "50-LP-001"

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
INTERNAL VIEW 50-LP-001

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 6E

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

Nome/Item	Tipo/Type	Descrizione EN	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
	5000012	Fuse 5x20 mm 250V 1A fast	Wimex	50-LP-001		2
30A1	METSEPM5110	Power Meter PM5110 Modbus	Schneider Electric	50-LP-001	30	1
30QF1	C12B4TM160L	circuit breaker ComPacT NSXm 25kA, TM160D, 4 P 4d, EverLink connectors	Schneider Electric	50-LP-001	30	1
	LV426932T	Deferred rotary shunting, ComPacT NSXm, black shunting, 200mm to 600mm shaft length, IP54	Schneider Electric			1
	LV426913	Long terminal covers 4P	Schneider Electric			1
	LV426804	Minimum voltage coil MN 208/240 Vac 60 Hz - 220/240 Vac 50 Hz?	Schneider Electric			1
30QU1	A9GSB792	Fuse disconnector, Acti9 SBI, 3P+N, 125 A, for fuse 22 x 58 mm	Schneider Electric	50-LP-001	30	1
30QU2	A9N15658	STI isolatable fuse carrier - 3P+N - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	30	1
30QU3	A9N15651	STI isolatable fuse carrier - 2P - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	30	1
30QU4	A9N15651	STI isolatable fuse carrier - 2P - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	30	1
30SP1	SPJ316224	P-VMS 280 Fm R 4	SIPF	50-LP-001	30	1
30TA1	METSECT5MB025	TA 250/5 D.26 - sbar 12x40 15x32mm	Schneider Electric	50-LP-001	30	1
30TA2	METSECT5MB025	TA 250/5 D.26 - sbar 12x40 15x32mm	Schneider Electric	50-LP-001	30	1
30TA3	METSECT5MB025	TA 250/5 D.26 - sbar 12x40 15x32mm	Schneider Electric	50-LP-001	30	1
32HL1	XB4BVM1	white complete pilot light Ø22 plain lens with integral LED 230...240V	Schneider Electric	50-LP-001	32	1
32QF1	C10M2TM016	Circuit breaker ComPacT NSX100 AC/DC N 50kA, 2 poles 2d TM16D	Schneider Electric	50-LP-001	32	1
32QU1	A9N15651	STI isolatable fuse carrier - 2P - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	32	1
32SP1	SPJ316227	P-VMS 280 Fm R 4	SIPF	50-LP-001	32	1
34HL1	XB4BVM1	white complete pilot light Ø22 plain lens with integral LED 230...240V	Schneider Electric	50-LP-001	34	1
34HL2	XB4BVM1	white complete pilot light Ø22 plain lens with integral LED 230...240V	Schneider Electric	50-LP-001	34	1
34HL3	XB4BVM1	white complete pilot light Ø22 plain lens with integral LED 230...240V	Schneider Electric	50-LP-001	34	1
34QF1	18792	Circuit breaker NG125L, 2P, C, 32A, 50 kA	Schneider Electric	50-LP-001	34	1
34QF2	A9F74201	Circuit breaker iC60N, 2P, C, 1A, 6000A	Schneider Electric	50-LP-001	34	1
34QF3	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	34	1
34QU1	A9N15651	STI isolatable fuse carrier - 2P - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	34	1
34QU2	A9N15651	STI isolatable fuse carrier - 2P - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	34	1
34QU3	A9N15651	STI isolatable fuse carrier - 2P - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	34	1
36D1	2907752	QUINT4-S-ORING/12-24DC/1X40 - Redundancy module. Input: 8...30 V DC, Output: 12 - 24 V DC / 1 x 40 A	Phoenix Contact	50-LP-001	36	1
36D2	2907752	QUINT4-S-ORING/12-24DC/1X40 - Redundancy module. Input: 8...30 V DC, Output: 12 - 24 V DC / 1 x 40 A	Phoenix Contact	50-LP-001	36	1
36GD1	2904602	QUINT POWER primary switching power supply with optional output characteristic curve PS/1AC/24DC/20	Phoenix Contact	50-LP-001	36	1
36GD2	2904602	QUINT POWER primary switching power supply with optional output characteristic curve PS/1AC/24DC/20	Phoenix Contact	50-LP-001	36	1
36QF1	A9F89210	Circuit breaker iC60H, 2P, C, 10A, 10000A	Schneider Electric	50-LP-001	36	1
36QF2	A9F89210	Circuit breaker iC60H, 2P, C, 10A, 10000A	Schneider Electric	50-LP-001	36	1
38IL1	050PEL3C	Linear led lamp, 110-240V AC, 50/60HZ, 600 lm, L 368 mm, with connector	New Elfin	50-LP-001	38	1
38IL2	050PEL3C	Linear led lamp, 110-240V AC, 50/60HZ, 600 lm, L 368 mm, with connector	New Elfin	50-LP-001	38	1
38IL3	050PEL3C	Linear led lamp, 110-240V AC, 50/60HZ, 600 lm, L 368 mm, with connector	New Elfin	50-LP-001	38	1
38IL4	050PEL3C	Linear led lamp, 110-240V AC, 50/60HZ, 600 lm, L 368 mm, with connector	New Elfin	50-LP-001	38	1
38IL5	050PEL3C	Linear led lamp, 110-240V AC, 50/60HZ, 600 lm, L 368 mm, with connector	New Elfin	50-LP-001	38	1
38LS1	050F11	Position limit switch 1 N.C. + 1 N.O.	New Elfin	50-LP-001	38	1
38LS2	050F11	Position limit switch 1 N.C. + 1 N.O.	New Elfin	50-LP-001	38	1
38LS3	050F11	Position limit switch 1 N.C. + 1 N.O.	New Elfin	50-LP-001	38	1
38LS4	050F11	Position limit switch 1 N.C. + 1 N.O.	New Elfin	50-LP-001	38	1
38LS5	050F11	Position limit switch 1 N.C. + 1 N.O.	New Elfin	50-LP-001	38	1
38QF1	A9F74201	Circuit breaker iC60N, 2P, C, 1A, 6000A	Schneider Electric	50-LP-001	38	1

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
COMPONENT LIST

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 20

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

Nome/Item	Tipo/Type	Descrizione EN	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
38QF2	A9F74201	Circuit breaker iC60N, 2P, C, 1A, 6000A	Schneider Electric	50-LP-001	38	1
38QF3	A9F74204	Circuit breaker iC60N, 2P, C, 4A, 6000A	Schneider Electric	50-LP-001	38	1
	A9V25263	Vigi iC60 2P 63A 300mA [S] Type A	Schneider Electric			1
38S1	0804025	EO-CF/UT/GN Rail-mountable base	Phoenix Contact	50-LP-001	38	1
38TH1	11101.0-00	AC thermostat 0 ... 60°C 1 NC	Stego	50-LP-001	38	1
38V1	01873.0-30	Fan: AC; axial; 230VAC; 305m3/h; 64dBA; IP54; L: 300mm	Stego	50-LP-001	38	1
	11873.0-00	Vent, gray, Stego filter fans 01873.0-30 & 01873.9-30 "IN", 257 mm	Stego			1
38V2	01873.0-30	Fan: AC; axial; 230VAC; 305m3/h; 64dBA; IP54; L: 300mm	Stego	50-LP-001	38	1
	11873.0-00	Vent, gray, Stego filter fans 01873.0-30 & 01873.9-30 "IN", 257 mm	Stego			1
38V3	01873.0-30	Fan: AC; axial; 230VAC; 305m3/h; 64dBA; IP54; L: 300mm	Stego	50-LP-001	38	1
	11873.0-00	Vent, gray, Stego filter fans 01873.0-30 & 01873.9-30 "IN", 257 mm	Stego			1
40HL1	XB4BVB1	white complete pilot light Ø22 plain lens with integral LED 24V	Schneider Electric	50-LP-001	40	1
40QF1	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QF2	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QF3	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QF4	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QF5	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QF6	A9F74204	Circuit breaker iC60N, 2P, C, 4A, 6000A	Schneider Electric	50-LP-001	40	1
40QF7	A9F74204	Circuit breaker iC60N, 2P, C, 4A, 6000A	Schneider Electric	50-LP-001	40	1
40QF8	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QF9	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QF10	A9F75206	Circuit breaker iC60N, 2P, D, 6A, 6000A	Schneider Electric	50-LP-001	40	1
40QF11	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QF12	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QF13	A9F74202	Circuit breaker iC60N, 2P, C, 2A, 6000A	Schneider Electric	50-LP-001	40	1
40QU1	A9N15651	STI isolatable fuse carrier - 2P - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	40	1
42QF1	A9F74204	Circuit breaker iC60N, 2P, C, 4A, 6000A	Schneider Electric	50-LP-001	42	1
50-LP-001	ENUX062006PR	CABINET E NUX PR 0600X2000X060 FRONT DOOR BLIND+ POST PANEL	ETA	50-LP-001	6	5
	EUFI060200	ENUX SIDE WALLS 0600X2000 - 2 PCS. PLATE	ETA			1
	EUPA-060200	INSIDE PLATE FRONTAL ENUX 600X2000	ETA			5
	WTKB-002	ENUX PLATE MOUNTING KIT ALSO FOR SPLIT PLATES	ETA			5
	EUZE-A100	ENUX UNIVERSAL ANGLES SOCKET H=100 (4PCS) WITH MOUNTING ACCESSORIES	ETA			5
	EUZE-T0600	ENUX PLINTH CROSSBARS L=600 (2PCS)	ETA			6
	EUKU-002	UNION KIT AND NUX 8PCS - H=1600/1800/2000/2200	ETA			4
	EUKU-003	UNION BRACKETS KIT AND NUX 8PCS - H=1600/1800/2000/2200	ETA			4
	TR-01-50100	PAIR TRAV.SOLL.L=3600 PROFILE 50X100X8 MM	ETA			1
60A1	ATV630U75N4	Altivar630 threephase 380 - 480 Vac 50/60 Hz Pot.7.5Kw	Schneider Electric	50-LP-001	60	1
60KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	60	1
60KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	60	1
60QF1	GV3L25	Motor circuit breaker, TeSys GV3, 3P, 25 A, magnetic, rotary handle, EverLink terminals	Schneider Electric	50-LP-001	60	1
	GVAN11	TeSys GV2 & GV3 - auxiliary contact block - 1 NO + 1 NC	Schneider Electric			1
62A1	ATV630U75N4	Altivar630 threephase 380 - 480 Vac 50/60 Hz Pot.7.5Kw	Schneider Electric	50-LP-001	62	1
62KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	62	1
62KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	62	1

Nome/Item	Tipo/Type	Descrizione EN	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
62QF1	GV3L25	Motor circuit breaker, TeSys GV3, 3P, 25 A, magnetic, rotary handle, EverLink terminals	Schneider Electric	50-LP-001	62	1
	GVAN11	TeSys GV2 & GV3 - auxiliary contact block - 1 NO + 1 NC	Schneider Electric			1
66A1	EPOWER/3PH-50A/600V/XXX/XXX/XXX/XXX/00/XX/10/XX/		Eurotherm	50-LP-001	66	1
66A2	32ENG		Eurotherm	50-LP-001	66	1
66KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	66	1
66KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	66	1
66QU1	DF143C	FUSE HOLDER 50A 14X51 3P	Schneider Electric	50-LP-001	66	1
66QU2	A9N15651	STI isolatable fuse carrier - 2P - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	66	1
66QU3	A9N15651	STI isolatable fuse carrier - 2P - 10.3x38 - 500 V AC	Schneider Electric	50-LP-001	66	1
70Q1	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	70	1
	LUCA12BL	Standard control unit, TeSys Ultra, 3-12A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
70Q2	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	70	1
	LUCA12BL	Standard control unit, TeSys Ultra, 3-12A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
72Q1	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	72	1
	LUCA05BL	Standard control unit, TeSys Ultra, 1.25-5A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
72Q2	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	72	1
	LUCA05BL	Standard control unit, TeSys Ultra, 1.25-5A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
74Q1	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	74	1
	LUCA1XBL	Standard control unit, TeSys Ultra, 0.35-1.4A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
74Q2	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	74	1
	LUCA1XBL	Standard control unit, TeSys Ultra, 0.35-1.4A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
76Q1	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	76	1
	LUCA12BL	Standard control unit, TeSys Ultra, 3-12A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
76Q2	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	76	1
	LUCA12BL	Standard control unit, TeSys Ultra, 3-12A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
76Q3	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	76	1
	LUCA05BL	Standard control unit, TeSys Ultra, 1.25-5A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
COMPONENT LIST

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 20B

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

Nome/Item	Tipo/Type	Descrizione EN	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
76Q3	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric	50-LP-001	76	1
77Q1	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	77	1
	LUCA12BL	Standard control unit, TeSys Ultra, 3-12A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
77Q2	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	77	1
	LUCA12BL	Standard control unit, TeSys Ultra, 3-12A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
77Q3	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	77	1
	LUCA05BL	Standard control unit, TeSys Ultra, 1.25-5A, 3P motors, thermal magnetic protection, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
78Q1	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	78	1
	LUCC1XBL	Advanced control unit, TeSys Ultra, 0.35-1.4A, 1P motors, protection & diagnostic, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
78Q2	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	78	1
	LUCC1XBL	Advanced control unit, TeSys Ultra, 0.35-1.4A, 1P motors, protection & diagnostic, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
78Q3	LUB12	Power base, TeSys Ultra, 3P, 12A/690V	Schneider Electric	50-LP-001	78	1
	LUCC1XBL	Advanced control unit, TeSys Ultra, 0.35-1.4A, 1P motors, protection & diagnostic, class 10, coil 24V DC	Schneider Electric			1
	LUFN20	Auxiliary contacts LUF - 2NO	Schneider Electric			1
	LUA1C11	Signalling contacts LUA - 1 NO + 1 NC	Schneider Electric			1
88KA1	93018240	Socket with screw terminals Mounting: 35 mm blind bar Colour: Blue Protection class: IP 20	Finder	50-LP-001	88	1
	345170600010	Ultraslim relay (EMR)	Finder			1
88QF1	A9F94204	Circuit breaker iC60L, 2P, C, 4A, 15000A	Schneider Electric	50-LP-001	88	1
90QF1	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	90	1
92QF1	A9F94202	Circuit breaker iC60L, 2P, C, 2A, 15000A	Schneider Electric	50-LP-001	92	1
94QF1	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	94	1
96QF1	A9F94216	Circuit breaker iC60L, 2P, C, 16A, 15000A	Schneider Electric	50-LP-001	96	1
100QF1	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	100	1
110QF1	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	110	1
110QF2	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	110	1
112QF1	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	112	1
112QF2	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	112	1
114QF1	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	114	1
114QF2	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	114	1
116QF1	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	116	1
116QF2	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	116	1
118QF1	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	118	1
118QF2	A9F94270	Circuit breaker iC60L, 2P, C, 0.5A, 15000A	Schneider Electric	50-LP-001	118	1
148A1	6GK5208-0BA00-2AC2	XC208 Managed switch con 8 porte RJ45 100Mbit/s	Siemens	50-LP-001	148	1

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
COMPONENT LIST

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 20C

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

Nome/Item	Tipo/Type	Descrizione EN	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
148A2	6GK5208-0BA00-2AC2	XC208 Managed switch con 8 porte RJ45 100Mbit/s	Siemens	50-LP-001	148	1
150A1	6AV2128-3QB06-0AX1	SIMATIC HMI MTP1500, Unified Comfort Panel, touch operation, 15.6" widescreen TFT display	Siemens	50-LP-001	150	1
152D1	6ES7515-2RM00-0AB0	CPU 1515R-2 PN	Siemens	50-LP-001	152	1
154D1	6ES7515-2RM00-0AB0	CPU 1515R-2 PN	Siemens	50-LP-001	154	1
160A1	6ES7155-6AU01-0CN0	Interface module IM 155-6 PN HF/2 V4.2	Siemens	50-LP-001	160	1
	6ES7193-6AR00-0AA0	BBA 2×RJ45 (PROFINET BusAdapter with standard Ethernet socket for IM-PN)	Siemens			1
160AI1	6ES7134-6GF00-0AA1	Analog Input Module: AI 8xI 2-/4-wire BA	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0DA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. separate (digital/analog, max. 24VDC/10A)	Siemens			1
160AI2	6ES7134-6GF00-0AA1	Analog Input Module: AI 8xI 2-/4-wire BA	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160AI3	6ES7134-6GF00-0AA1	Analog Input Module: AI 8xI 2-/4-wire BA	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160AI4	6ES7134-6GF00-0AA1	Analog Input Module: AI 8xI 2-/4-wire BA	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160AI5	6ES7134-6GF00-0AA1	Analog Input Module: AI 8xI 2-/4-wire BA	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160AO1	6ES7135-6HD00-0BA1	Analog Output Module: AQ 4xU/I ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0DA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. separate (digital/analog, max. 24VDC/10A)	Siemens			1
160AO2	6ES7135-6HD00-0BA1	Analog Output Module: AQ 4xU/I ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160DI1	6ES7131-6BH01-0BA0	Digital Input Module: DI 16x24VDC ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0DA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. separate (digital/analog, max. 24VDC/10A)	Siemens			1
160DI2	6ES7131-6BH01-0BA0	Digital Input Module: DI 16x24VDC ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160DI3	6ES7131-6BH01-0BA0	Digital Input Module: DI 16x24VDC ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160DI4	6ES7131-6BH01-0BA0	Digital Input Module: DI 16x24VDC ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160DI5	6ES7131-6BH01-0BA0	Digital Input Module: DI 16x24VDC ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0DA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. separate (digital/analog, max. 24VDC/10A)	Siemens			1
160DI6	6ES7131-6BH01-0BA0	Digital Input Module: DI 16x24VDC ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160DI7	6ES7131-6BH01-0BA0	Digital Input Module: DI 16x24VDC ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160DI8	6ES7131-6BH01-0BA0	Digital Input Module: DI 16x24VDC ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160DO1	6ES7132-6BH01-0BA0	Digital Output Module: DQ 16x24VDC/0.5A ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0DA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. separate (digital/analog, max. 24VDC/10A)	Siemens			1
160DO2	6ES7132-6BH01-0BA0	Digital Output Module: DQ 16x24VDC/0.5A ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160DO3	6ES7132-6BH01-0BA0	Digital Output Module: DQ 16x24VDC/0.5A ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1
160DO4	6ES7132-6BH01-0BA0	Digital Output Module: DQ 16x24VDC/0.5A ST	Siemens	50-LP-001	160	1
	6ES7193-6BP20-0BA0	BU type A0, 16 push-in, 10 AUX, 2 infeed term. jumpered (digital/analog, max. 24VDC/10A)	Siemens			1

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
COMPONENT LIST

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 20D

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

Nome/Item	Tipo/Type	Descrizione EN	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
196SL1				50-LP-001	196	1
210KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	210	1
210KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	210	1
210KA3	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	210	1
210KA4	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	210	1
210KA5	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	210	1
210KA6	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	210	1
210KA7	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	210	1
210KA8	2967109	PLC-RSC- 24DC/1-1/ACT Screw relays	Phoenix Contact	50-LP-001	210	1
212KA1	2981020	PSR-SCP- 24DC/ESP4/2X1/1X2 Safety Module	Phoenix Contact	50-LP-001	212	1
212KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	212	1
212KA3	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	212	1
212KA4	2967109	PLC-RSC- 24DC/1-1/ACT Screw relays	Phoenix Contact	50-LP-001	212	1
212KA5	2967109	PLC-RSC- 24DC/1-1/ACT Screw relays	Phoenix Contact	50-LP-001	212	1
212KA6	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	212	1
212KA7	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	212	1
212KA8	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	212	1
214KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	214	1
214KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	214	1
214KA3	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	214	1
214KA4	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	214	1
214KA5	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	214	1
214KA6	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	214	1
214KA7	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	214	1
214KA8	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	214	1
216KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	216	1
216KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	216	1
216KA3	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	216	1
216KA4	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	216	1
216KA5	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	216	1
216KA6	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	216	1
216KA7	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	216	1
216KA8	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	216	1
218KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	218	1
218KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	218	1
218KA3	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	218	1
218KA4	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	218	1
218KA5	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	218	1
218KA6	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	218	1
218KA7	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	218	1
218KA8	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	218	1
220KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	220	1
220KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	220	1
220KA3	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	220	1

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
COMPONENT LIST

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 20E

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

Nome/Item	Tipo/Type	Descrizione EN	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
220KA4	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	220	1
220KA5	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	220	1
220KA6	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	220	1
220KA7	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	220	1
220KA8	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	220	1
222KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	222	1
222KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	222	1
222KA3	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	222	1
222KA4	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	222	1
222KA5	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	222	1
222KA6	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	222	1
222KA7	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	222	1
222KA8	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	222	1
224KA1	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	224	1
224KA2	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	224	1
224KA3	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	224	1
224KA4	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	224	1
224KA5	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	224	1
224KA6	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	224	1
224KA7	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	224	1
224KA8	2966171	PLC-RSC- 24DC/21 Screw Relays	Phoenix Contact	50-LP-001	224	1
320KA1	2981020	PSR-SCP- 24DC/ESP4/2X1/1X2 Safety Module	Phoenix Contact	50-LP-001	320	1
320KA2	2981020	PSR-SCP- 24DC/ESP4/2X1/1X2 Safety Module	Phoenix Contact	50-LP-001	320	1
FDI	5000040	Fuse 5x20 mm 250V 0.5A delayed	Wimex	50-LP-001		16
FDI	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact	50-LP-001		16
FHE	5000009	Fuse 5x20 mm 250V 0.5A fast	Wimex	50-LP-001		1
FHE	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact	50-LP-001		1
TAI	5000030	Fuse 5x20 mm 250V 0.05A delayed	Wimex	50-LP-001		16
TAI	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact	50-LP-001		16
TAO	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact	50-LP-001		6
TDI	3046139	UT 4-MT Universal screw clamp	Phoenix Contact	50-LP-001		66
TDO	5000012	Fuse 5x20 mm 250V 1A fast	Wimex	50-LP-001		6
TDO	3046139	UT 4-MT Universal screw clamp	Phoenix Contact	50-LP-001		16
	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact			20
XAI	5000030	Fuse 5x20 mm 250V 0.05A delayed	Wimex	50-LP-001		60
XAI	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact	50-LP-001		60
XAO	5000030	Fuse 5x20 mm 250V 0.05A delayed	Wimex	50-LP-001		4
XAO	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact	50-LP-001		4
XDI	3046139	UT 4-MT Universal screw clamp	Phoenix Contact	50-LP-001		106
XDO	5000012	Fuse 5x20 mm 250V 1A fast	Wimex	50-LP-001		36
XDO	5000009	Fuse 5x20 mm 250V 0.5A fast	Wimex	50-LP-001		2
XDO	5000015	Fuse 5x20 mm 250V 2A fast	Wimex	50-LP-001		4
XDO	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact	50-LP-001		44
	3046139	UT 4-MT Universal screw clamp	Phoenix Contact			28

Nome/Item	Tipo/Type	Descrizione EN	Costruttore/Manufacturer	Quadro/Board	Fg/Sh	Q.ta/Q.ty
XEXT	3046139	UT 4-MT Universal screw clamp	Phoenix Contact	50-LP-001		5
XINS1	3046139	UT 4-MT Universal screw clamp	Phoenix Contact	50-LP-001		4
XINS2	5000009	Fuse 5x20 mm 250V 0.5A fast	Wimex	50-LP-001		10
XINS2	5000007	Fuse 5x20 mm 250V 0.315A fast	Wimex	50-LP-001		10
XINS2	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact	50-LP-001		20
XM1	3044131	UT 6 Universal screw clamp	Phoenix Contact	50-LP-001		6
	3044157	UT 6-PE Universal screw clamp	Phoenix Contact			2
	3044102	UT 4 Universal screw clamp	Phoenix Contact			32
	3044128	UT 4-PE Universal screw clamp	Phoenix Contact			16
XM2	3044102	UT 4 Universal screw clamp	Phoenix Contact	50-LP-001		42
	3044128	UT 4-PE Universal screw clamp	Phoenix Contact			15
XM3	3044212	UT 16-PE Universal screw clamp	Phoenix Contact	50-LP-001		1
	3044199	UT 16 Universal screw clamp	Phoenix Contact			3
XMAIN	3213140	UKH 70 Universal Screw Clamp Power	Phoenix Contact	50-LP-001		4
XPF	5000009	Fuse 5x20 mm 250V 0.5A fast	Wimex	50-LP-001		1
XPF	3046032	UT 4-HESI (5X20) Fuse terminal	Phoenix Contact	50-LP-001		1
XSL1	3046139	UT 4-MT Universal screw clamp	Phoenix Contact	50-LP-001		2
XUPS	3044131	UT 6 Universal screw clamp	Phoenix Contact	50-LP-001		2
	3044128	UT 4-PE Universal screw clamp	Phoenix Contact			1

LEGENDA SIMBOLI \ SYMBOLS LEGEND

Simbolo Ref.	Descrizione Description
	File : 2 PIN + PE CON RIF.
	Blocco generico 3 PIN File : 3 PIN
	File : 4 PIN + PE CON RIF.
	Modulo ingressi digitali: DI 16x24VDC ST;BU di tipo A0, 16 push-in, 10 AUX, 2 morsetti di alimentaz. File : 6ES7131-6BH01-0BA0_193-6BP20-0BA0
	Modulo ingressi digitali: DI 16x24VDC ST;BU di tipo A0, 16 push-in, 10 AUX, 2 morsetti di alimentaz. File : 6ES7131-6BH01-0BA0_193-6BP20-0DA0
	Modulo uscite digitali: DQ 16x24VDC/0.5A ST;BU di tipo A0, 16 push-in, 10 AUX, 2 morsetti di alimentaz. File : 6ES7132-6BH01-0BA0_193-6BP20-0BA0
	Modulo uscite digitali: DQ 16x24VDC/0.5A ST;BU di tipo A0, 16 push-in, 10 AUX, 2 morsetti di alimentaz. File : 6ES7132-6BH01-0BA0_193-6BP20-0DA0
	Modulo ingressi analogici: AI 8xI 2-/4-wire BA;BU di tipo A0, 16 push-in, 10 AUX, 2 morsetti di alimentaz. File : 6ES7134-6GF00-0AA1_193-6BP20-0BA0
	Modulo ingressi analogici: AI 8xI 2-/4-wire BA;BU di tipo A0, 16 push-in, 10 AUX, 2 morsetti di alimentaz. File : 6ES7134-6GF00-0AA1_193-6BP20-0DA0
	Modulo uscite analogiche: AQ 4xU/I ST;BU di tipo A0, 16 push-in, 10 AUX, 2 morsetti di alimentaz. File : 6ES7135-6HD00-0BA1_193-6BP20-0BA0

Simbolo Ref.	Descrizione Description
	Modulo uscite analogiche: AQ 4xU/I ST;BU di tipo A0, 16 push-in, 10 AUX, 2 morsetti di alimentaz. separati File : 6ES7135-6HD00-0BA1_193-6BP20-0DA0
	Modulo di interfaccia IM 155-6 PN HF/2 V4.2;BA 2×RJ45 (BusAdapter PROFINET con presa Ethernet) File : 6ES7155-6AU01-0CN0_193-6AR00-0AA0
	Ventilatore File : E1
M 3AC	Ventilatore trifase File : E2
M 1AC	Ventilatore monofase File : E3
	Elemento riscaldante 3P collegamento a stella File : E7
	Elemento riscaldante 3P collegamento a triangolo File : E9
	Fusibile unipolare File : F3
	Segnalazione luminosa File : H5
M 3~	Motore asincrono trifase File : M2

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
SYMBOL LIST

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

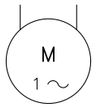
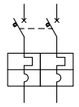
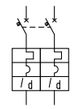
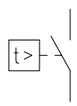
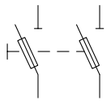
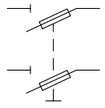
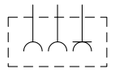
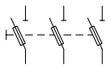
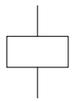
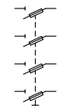
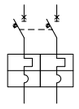
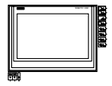
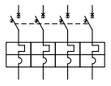
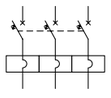
SHEET 25

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

LEGENDA SIMBOLI \ SYMBOLS LEGEND

Simbolo Ref.	Descrizione Description	Simbolo Ref.	Descrizione Description
	Motore corrente alternata monofase File : M9		Fine corsa NO File : S10
	Inter. automatico magnetotermico bipolare File : Q10		Comandato dal livello di un fluido (livellostato) NC File : S15C
	Interruttore automatico bipolare magnetotermico con differenziale File : Q14		Comandato dalla temperatura (termostato) NO File : S18
	Sezionatore bipolare con fusibili File : Q82		Trasformatore di corrente File : T10
	Sezionatore bipolare con fusibile File : Q820		Presa di corrente bipolare con contatto PE File : X1
	Sezionatore tripolare con fusibili File : Q83		Bobina Relè Aux File : KA1
	Sezionatore tetrapolare con fusibile File : Q840		PM5110 power meter File : PM5110 POWER METER
	Inter. automatico magnetotermico sezionatore bipolare File : Q135		SIMATIC HMI MTP1500, Unified Comfort Panel, touch operation, 15.6" widescreen TFT display File : S_6AV2128-3QB06-0AX1
	Inter. automatico magnetotermico sezionatore tetrapolare File : Q137		CPU 1515R-2 PN File : S_6ES7515-2RM00-0AB0
	Inter. automatico tripolare con magnetico File : Q148		Processore di comunicazione, CP 1543-1, Ethernet Security File : S_6GK7543-1AX00-0XE0

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
SYMBOL LIST

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

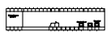
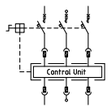
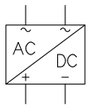
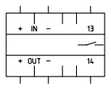
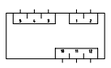
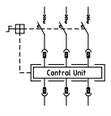
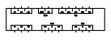
SHEET 25A

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm

LEGENDA SIMBOLI \ SYMBOLS LEGEND

Simbolo Ref.	Descrizione Description	Simbolo Ref.	Descrizione Description
	XC208 Managed switch con 8 porte RJ45 100Mbit/s File : XC208		File :
	Altivar630 trifase 380 - 480 Vac 50/60 Hz Pot.7.5Kw File : ALT630		File :
	Avvio motore Tesys Ultra - Base di potenza un senso di marcia File : LUB1F_N		File :
	Convertitore di corrente AC-DC monofase File : ALIMENTATORE CON CONTATTO NO		File :
	 File : BLOCCO GENERICO		File :
	Redundancy module File : DIODO PHOENIX QUINT		File :
	Gesint K39 File : GESINT K39		Morsetto fusibilato per sezionamento interno quadro File : _MORS-F3
	INTERNAL LIGHTING File : LAMPADA		Morsetto passante File : _MORS-N2
	Avvio motore Tesys Ultra - Base di potenza un senso di marcia File : LUB_N		Morsetto sezionabile a coltello File : _MORS-S2
	Redundancy module File : SCR EUROTHERM2		Morsetto fusibilato File : _MORS-F2

03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
SYMBOL LIST

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

SCALE : --

A3

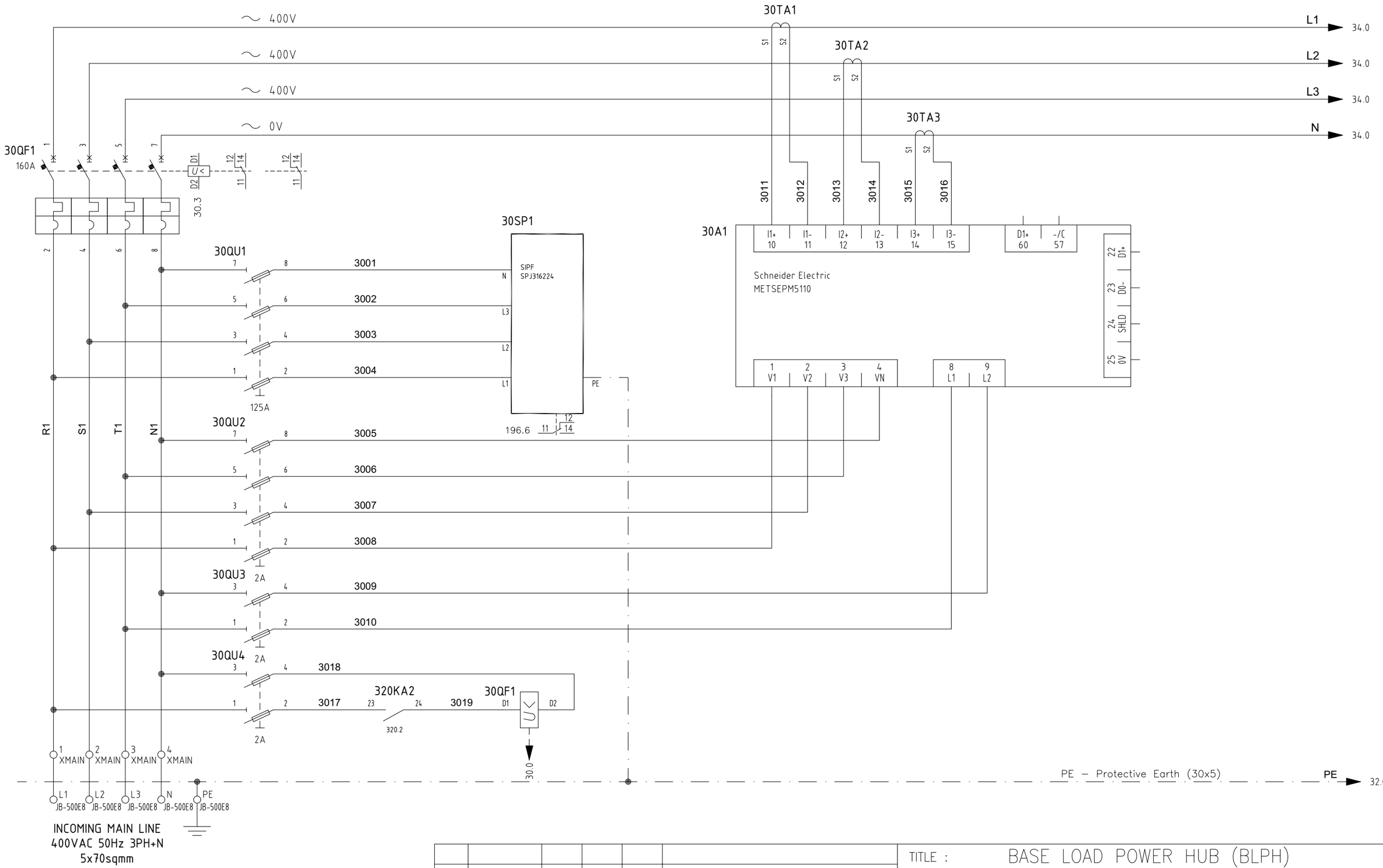
DRAWING NO. 1724000448-IN-DG-00014

SHEET 25B

REV. 03

File Name : PK2885_1

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
INCOMING MAIN LINE

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

SCALE : --

A3

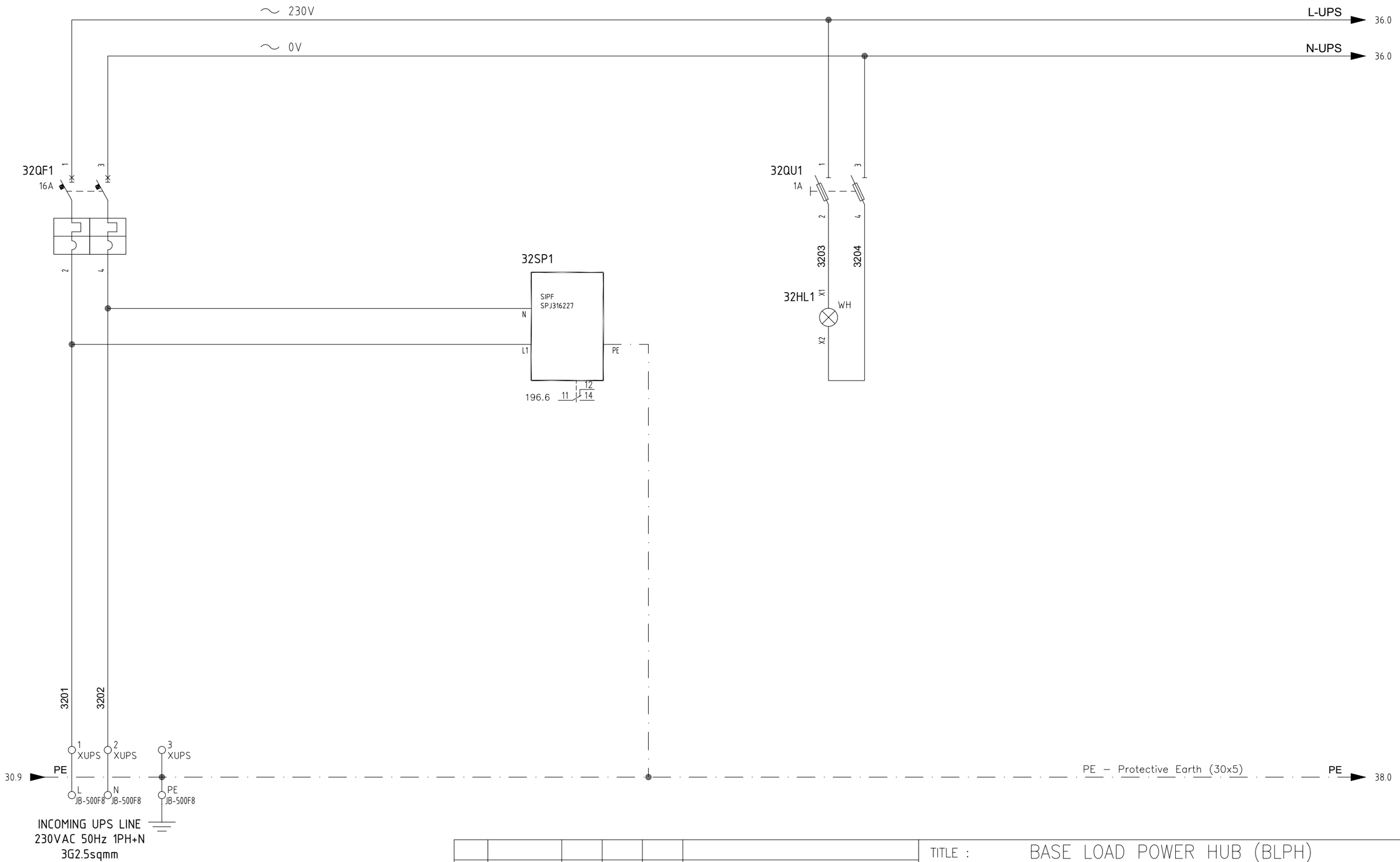
DRAWING NO. 1724000448-IN-DG-00014

SHEET 30

REV. 03

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885–A–002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
INCOMING UPS LINE

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

SCALE : --

A3

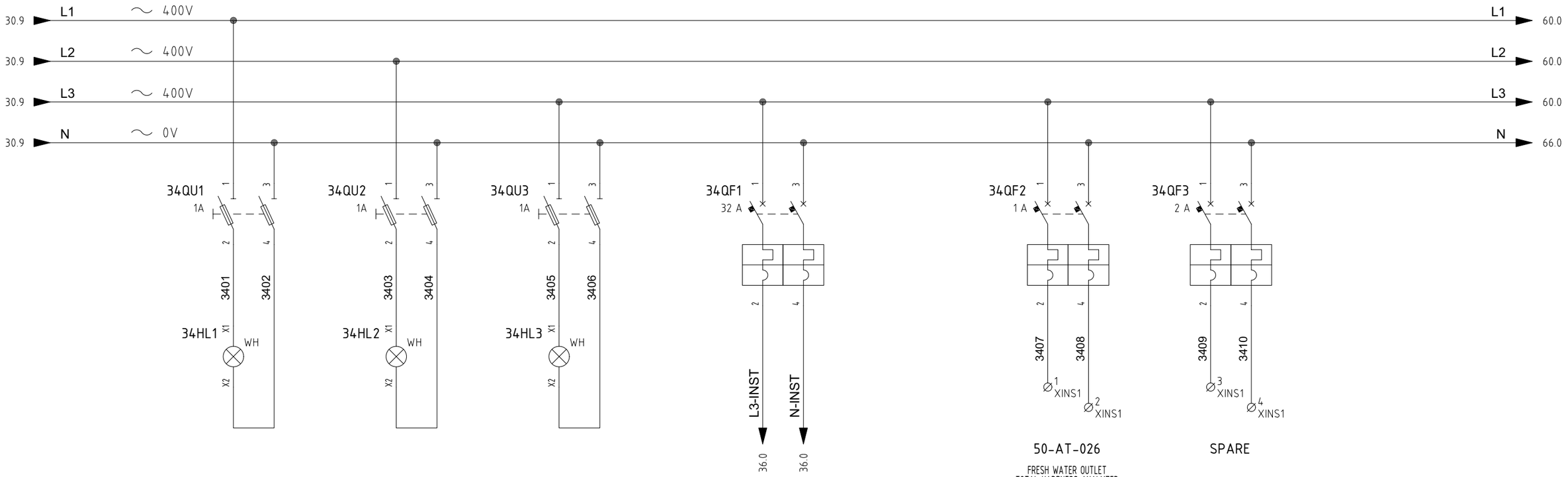
DRAWING NO. 1724000448–IN–DG–00014

SHEET 32

REV. 03

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



INSTRUMENTS POWER
DISTRIBUTION SECTION

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
230VAC DISTRIBUTION

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

SCALE : --

A3

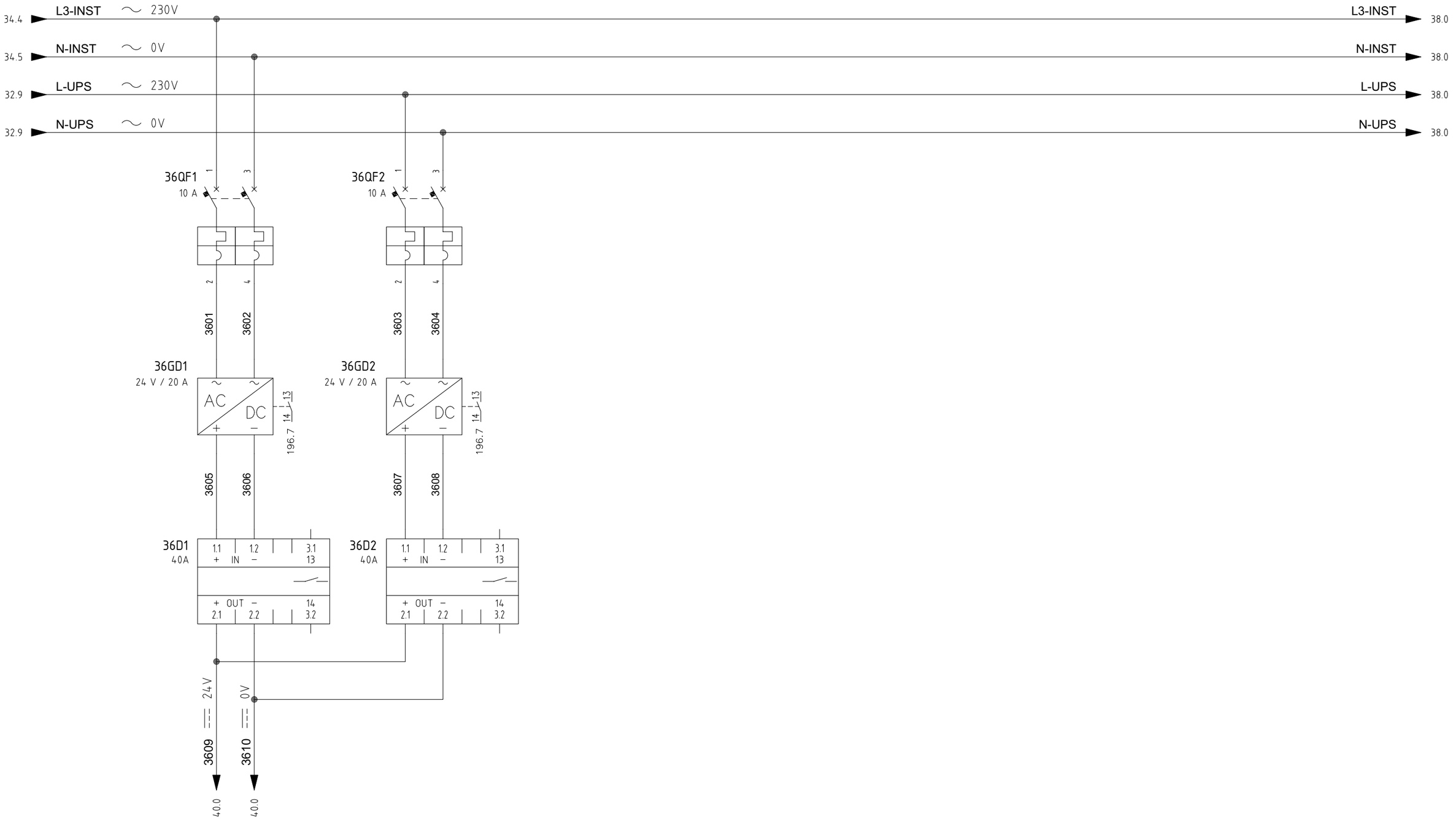
DRAWING NO. 1724000448-IN-DG-00014

SHEET 34

REV. 03

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
230VAC DISTRIBUTION

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 36

REV. 02

File Name : PK2885_3

F.to UNI A3: 420mmx297mm

36.9 L3-INST ~ 230V → L3-INST /./

36.9 N-INST ~ 0V → N-INST /./

36.9 L-UPS ~ 230V → L-UPS 96.0

36.9 N-UPS ~ 0V → N-UPS 96.0

38QF1 1 A (1, 3 / 2, 4)

38QF2 1 A (1, 3 / 2, 4)

38QF3 4 A (30mA I d) (1, 3 / 2, 4)

3801, 3802

3811, 3812

3809, 3810

38LS1 (13 / 14) 3803 → 38IL1

38LS2 (13 / 14) 3804 → 38IL2

38LS3 (13 / 14) 3805 → 38IL3

38LS4 (13 / 14) 3806 → 38IL4

38LS5 (13 / 14) 3807 → 38IL5

38TH1 (t>) 3813 → 38V1, 38V2, 38V3

38S1

32.9 PE — PE – Protective Earth (30x5) — PE → 60.0

INTERNAL LIGHTING

VENTILATING FAN

SOCKET (CE 7/4)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
230VAC AUXILIARY

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

SCALE : --

A3

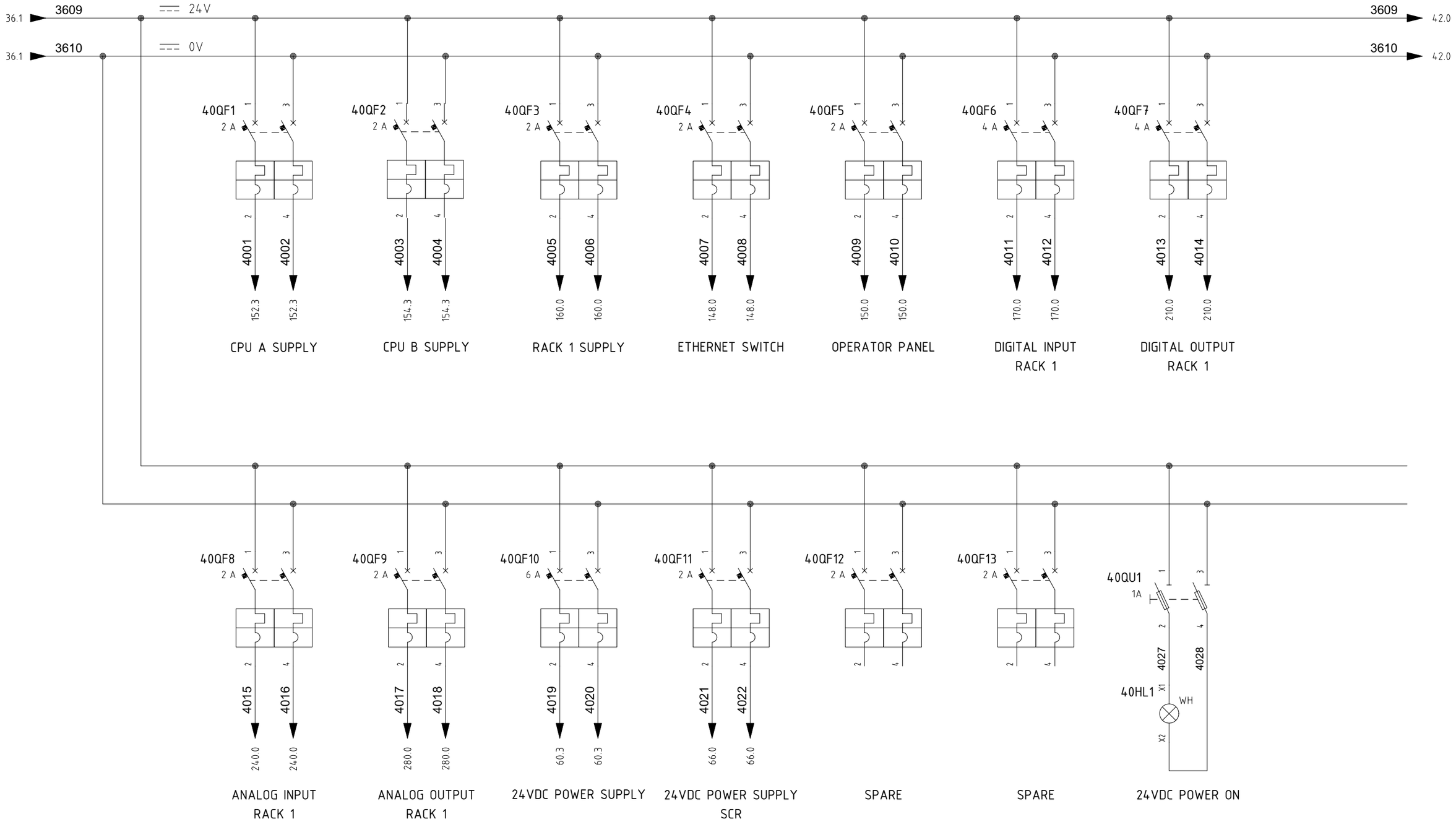
DRAWING NO. 1724000448-IN-DG-00014

SHEET 38

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
24VDC DISTRIBUTION

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

SCALE : --

A3

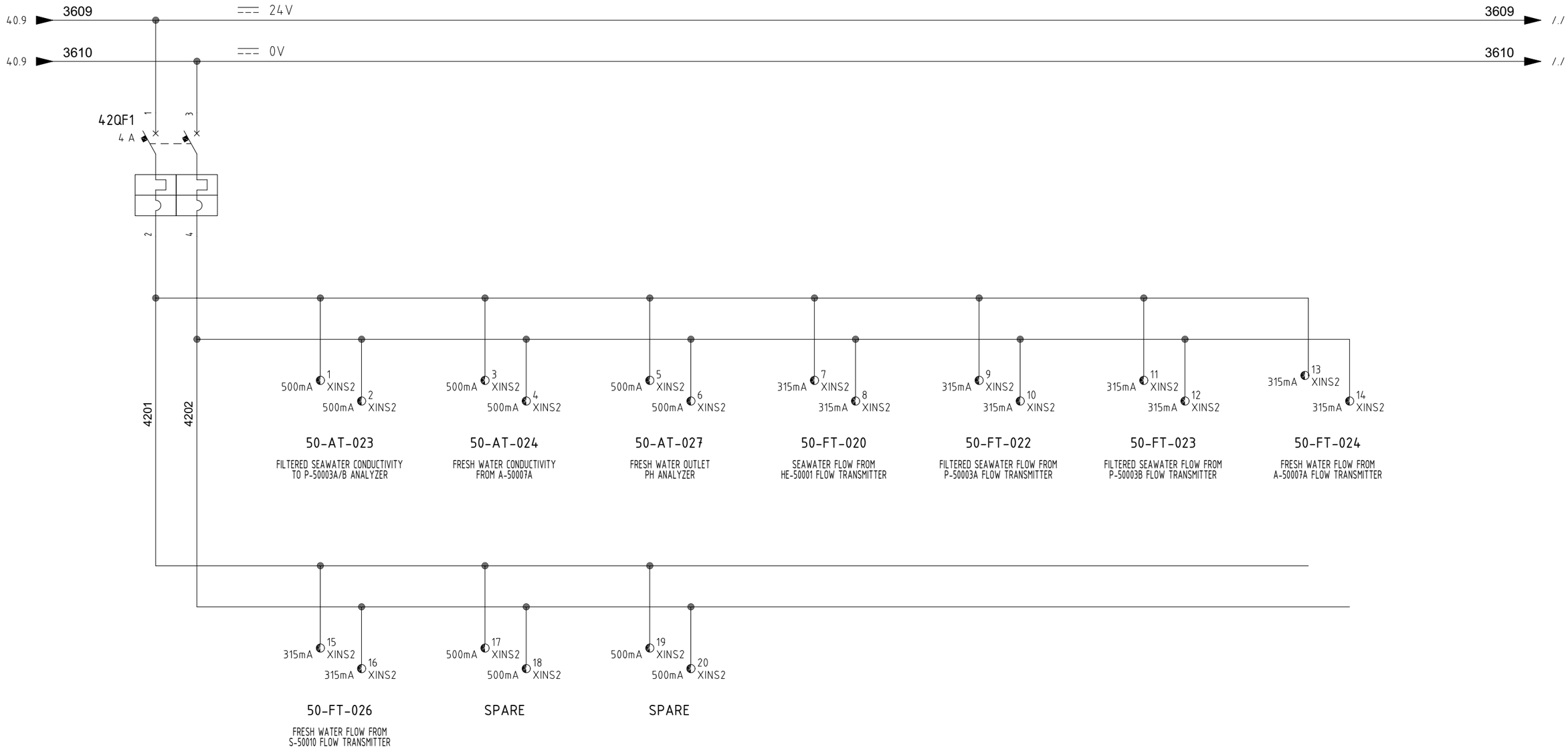
DRAWING NO. 1724000448-IN-DG-00014

SHEET 40

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
24VDC INSTRUMENT SUPPLY

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 42

REV. 03

File Name : PK2885_3

F.to UNI A3: 420mmx297mm

34.9 L1 ~ 400V → L1 62.0

34.9 L2 ~ 400V → L2 62.0

34.9 L3 ~ 400V → L3 62.0

60QF1 25A

1 3 5 31 43 32 44

180.3

60R01 2 | 60S01 4 | 60T01 6

30409 ← 304.5

30410 ← 304.5

6001 ← 242.3

6002 ← 242.3

28002 ← 280.3

28001 ← 280.2

60A1

L1/R	L2/S	L3/T	PE		P24	0V	DI1	DI2	DI3	DI4	DI5	DI6	24V		STOA	STOB	24V	COM	AQ1	AQ2		10V	AI1	COM	AI2	AI3

Schneider Electric

ALTIVAR630

Reference	Fg./Sh.
Comunication Board	
extended I/O module	

GRAFIC DISPLAY

Integrated Modbus

U	V	W	PE		R1A	R1B	R1C	R2A	R2C	R3A	R3C	RJ45		RJ45		RJ45

60U01 | 60V01 | 60W01 | 60PE01

38.9 PE → PE 62.0

1 XM1 | 2 XM1 | 3 XM1 | 4 XM1

U V W PE

P-50004A

M 3~

HP SWRO PUMP

400V - 50Hz - 7,5kW

6003 | 6004

40.3 4019 → 4019 62.3

60KA1 A1 A2 | 60KA2 A1 A2

40.4 4020 → 4020 62.3

180.3 11 12 14

180.2 11 12 14

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
HP SWRO PUMPS

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 60

REV. 03

File Name : PK2885_3

F.to UNI A3: 420mmx297mm

60.9 L1 ~ 400V → L1 66.0

60.9 L2 ~ 400V → L2 66.0

60.9 L3 ~ 400V → L3 66.0

62QF1
25A

62R01 2 | 62S01 4 | 62T01 6

184.3 (31 / 43 / 32 / 44)

30809 ← 308.5

30810 ← 308.5

6201 ← 246.2

6202 ← 246.2

28202 ← 282.3

28201 ← 282.2

62A1

L1/R	L2/S	L3/T	PE		P24	0V	DI1	DI2	DI3	DI4	DI5	DI6	24V		STOA	STOB	24V	COM	AQ1	AQ2		10V	AI1	COM	AI2	AI3

Schneider Electric
ALTIVAR630

Reference	Fg./Sh.
Comunication Board	
extended I/O module	

GRAFIC DISPLAY

Integrated Modbus

U	V	W	PE		R1A	R1B	R1C	R2A	R2C	R3A	R3C	RJ45		RJ45		RJ45

62U01 | 62V01 | 62W01 | 62PE01

60.2 PE → PE 66.0

5 XM1 | 6 XM1 | 7 XM1 | 8 XM1

P-50004B (U / V / W / PE)

M 3~

HP SWRO PUMP SPARE

400V - 50Hz - 7,5kW

6203 | 6204

60.5 4019 → 4019 300.0

62KA1 (A1 / A2) | 62KA2 (A1 / A2)

60.5 4020 → 4020 300.0

184.3 (11 / 12 / 14)

184.2 (11 / 12 / 14)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
HP SWRO PUMPS SPARE

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 62

REV. 03

File Name : PK2885_3

F.to UNI A3: 420mmx297mm

62.9 L1 ~ 400V
62.9 L2 ~ 400V
62.9 L3 ~ 400V
34.9 N ~ 0V
40.4 4021 ⎓ 24V

L1 → 70.0
L2 → 70.0
L3 → 70.0
N → 78.0
4021 → /./
4021 → 66.2
4021 → 66.4

66QU1 50A
66QU2 2A
66QU3 2A

66R01 66S01 66T01 6601 6602 28005 28006 6611 6610 6605 6606

170.6 17008
500mA
1 FHE

66A1
1 L1 | 3 L2 | 5 L3
L 230V | N 0V
2 AI1+ | 3 AI1- | 8 DI1 | 9 DI2 | 10 0V
SK8 SK1

Eurotherm
EPOWER/3PH-50A/600V/XXX/XXX/XXX/XXX/00/XX/I0/XX/

66A2
1A NO | 2A NC | 1B C
L 230V | N 0V
32ENG
Eurotherm

SK6 SK3
T1 2 | T2 4 | T3 6
NO 14 | C 11 | NC 12
NO 10 | C 11 | NC 12

HF | HE | HD
+ VI | - V+ | - V-

66U01 66V01 66W01 6603 6604 4021 4021
W/ORANGE ORANGE W/GREEN 6607 6608 6609

66KA1 66KA2
A1 A2 66.9

3 XEXT 4 XEXT 5 XEXT

40.5 4022 ⎓ 0V → 4022 /./

196.3 11 12 14
196.4 11 12 14

62.2 PE → PE 70.0
PE – Protective Earth (30x5)

1 XM3 2 XM3 3 XM3 4 XM3
L1 L2 L3

H-50001
400V - 50Hz - 30kW
ELECTRIC HEATER

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
ELECTRIC HEATER

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

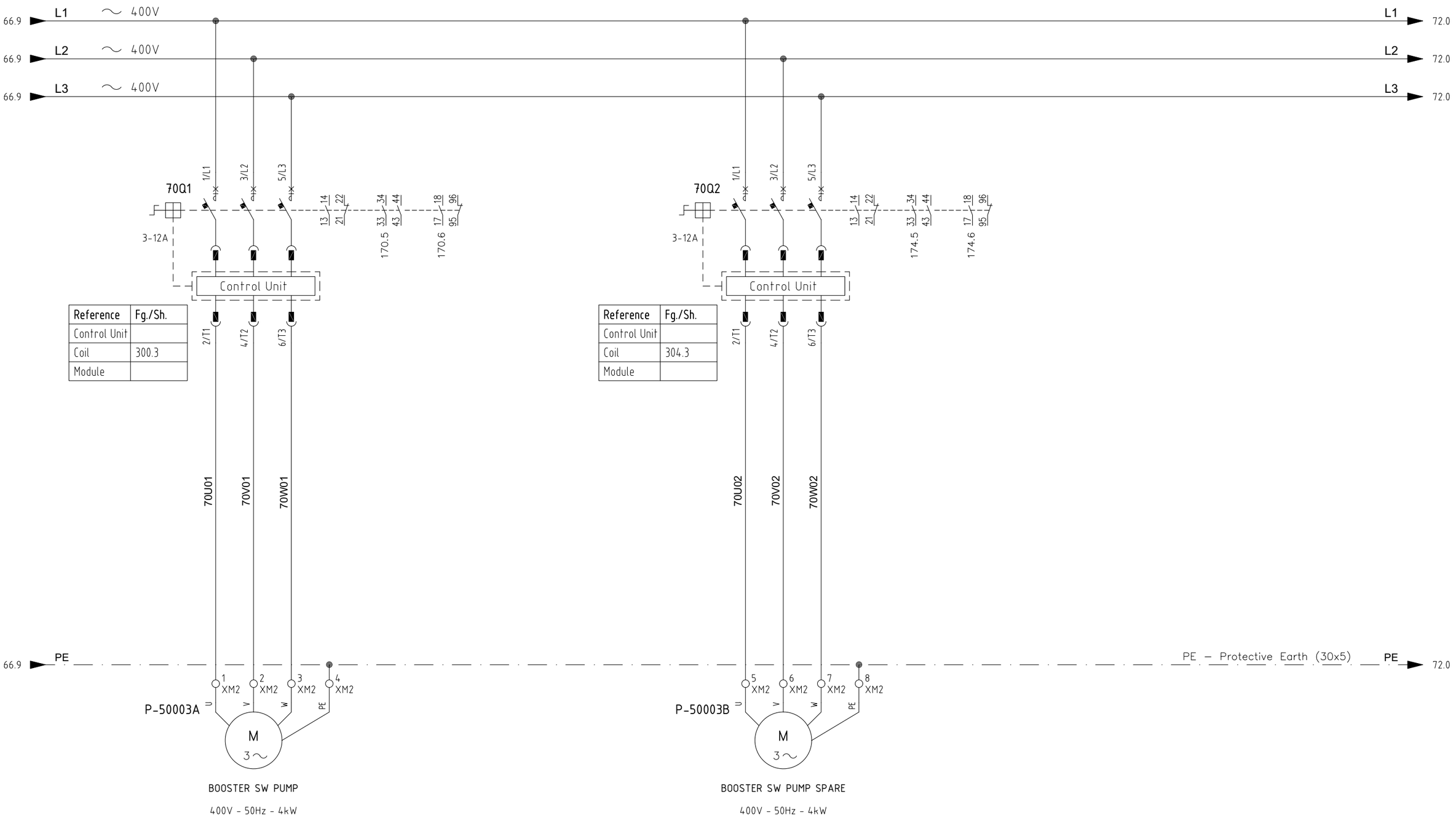
SCALE : --

A3 DRAWING NO. 1724000448-IN-DG-00014

SHEET 66 REV. 03

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
BOOSTER SW PUMPS MOTORS

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

SCALE : --

A3

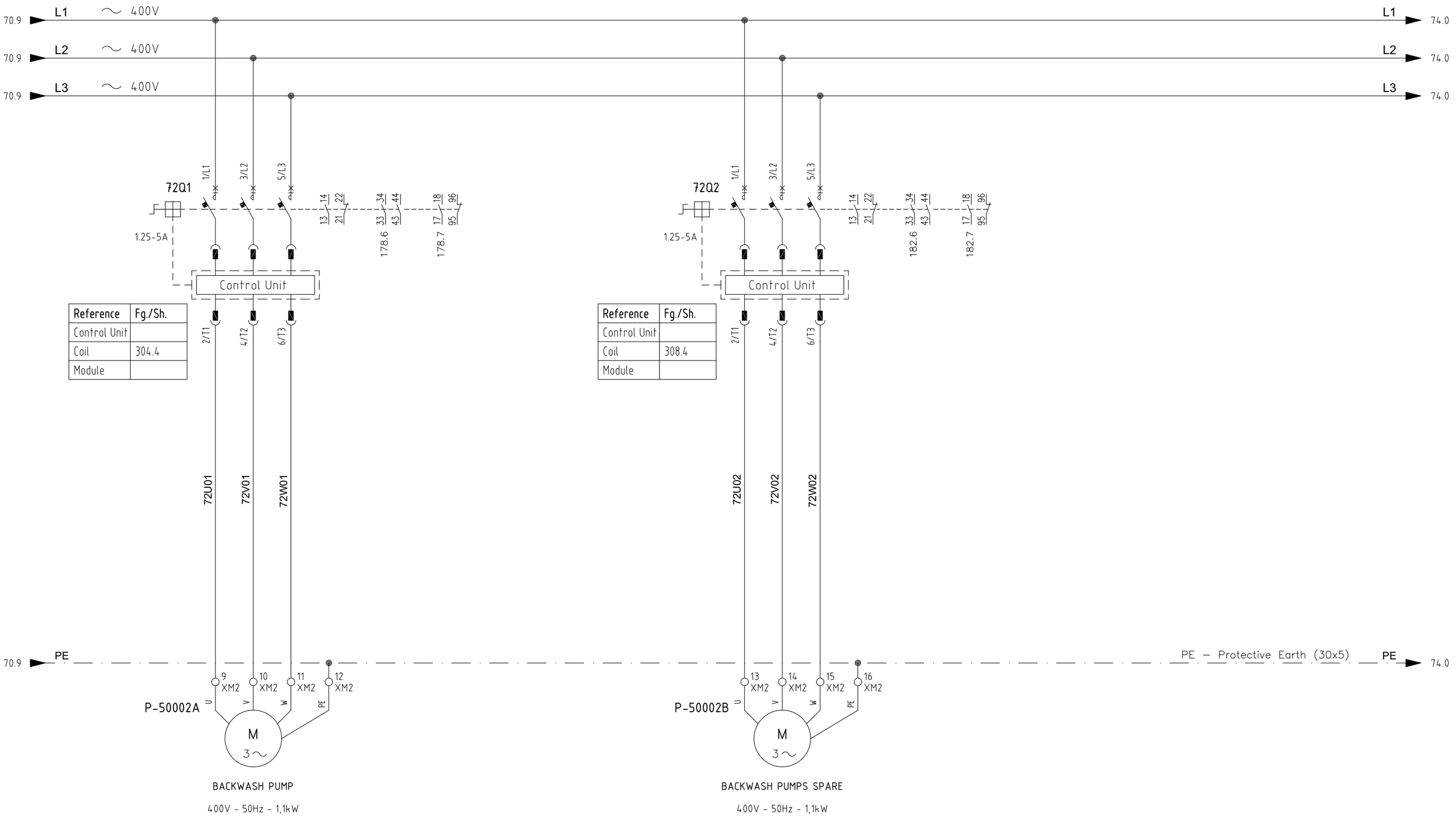
DRAWING NO. 1724000448-IN-DG-00014

SHEET 70

REV. 00

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
BACKWASH PUMPS MOTORS

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

SCALE : --

A3

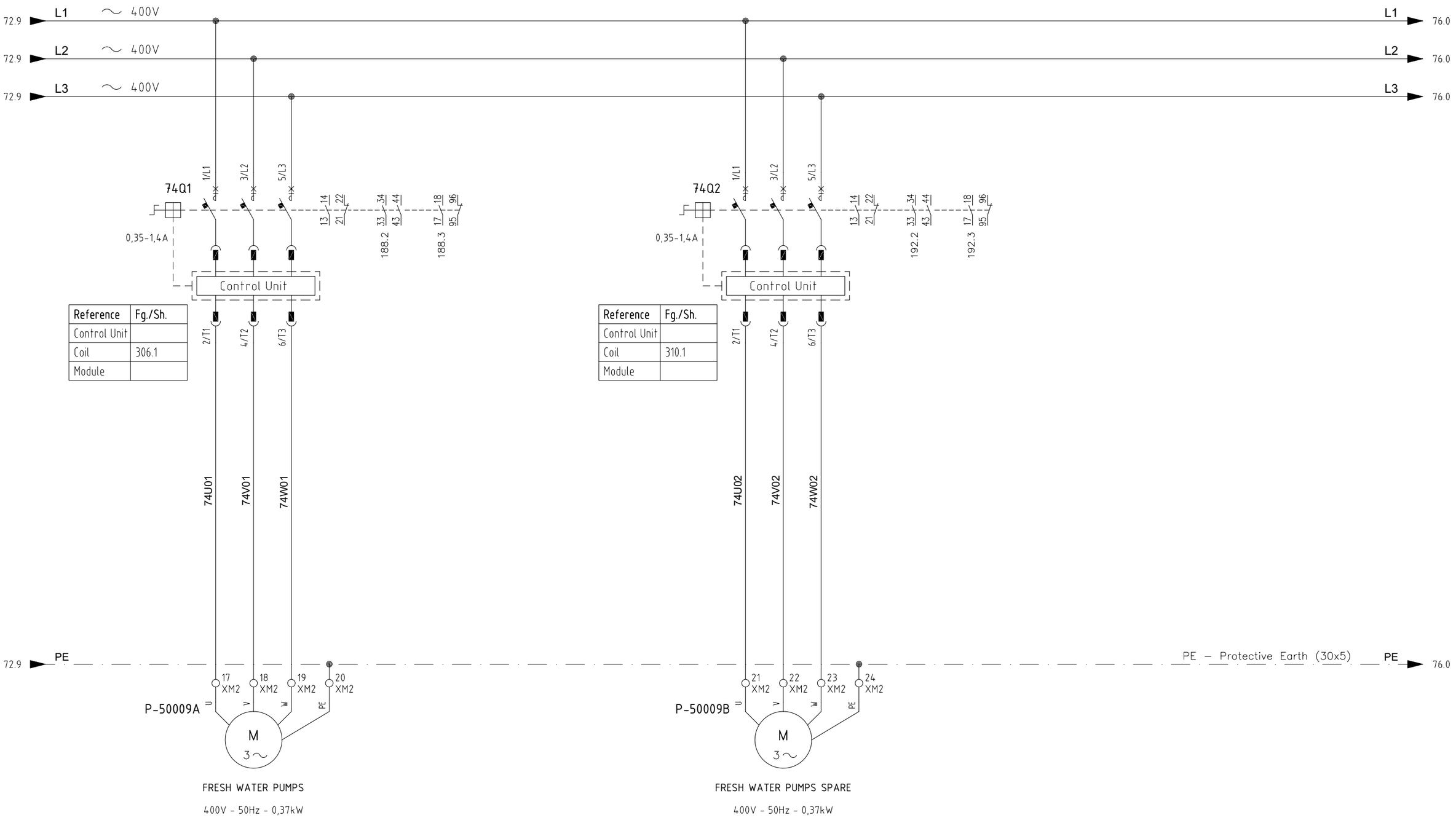
DRAWING NO. 1724000448-IN-DG-00014

SHEET 72

REV. 02

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



FRESH WATER PUMPS

400V - 50Hz - 0,37kW

FRESH WATER PUMPS SPARE

400V - 50Hz - 0,37kW

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
FRESH WATER PUMPS MOTORS

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

SCALE : --

A3

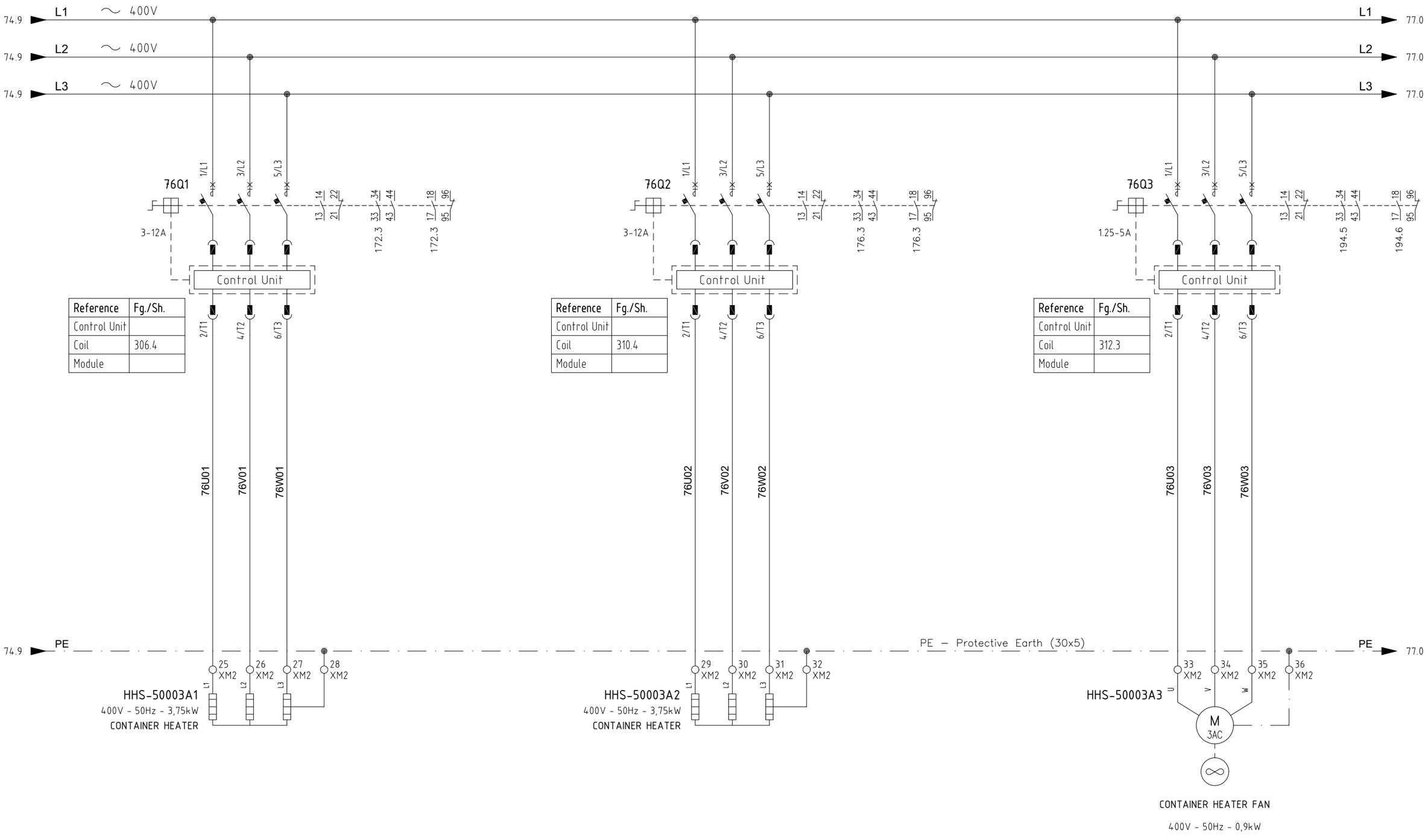
DRAWING NO. 1724000448-IN-DG-00014

SHEET 74

REV. 02

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
CONTAINER HEATER

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

SCALE : --

A3

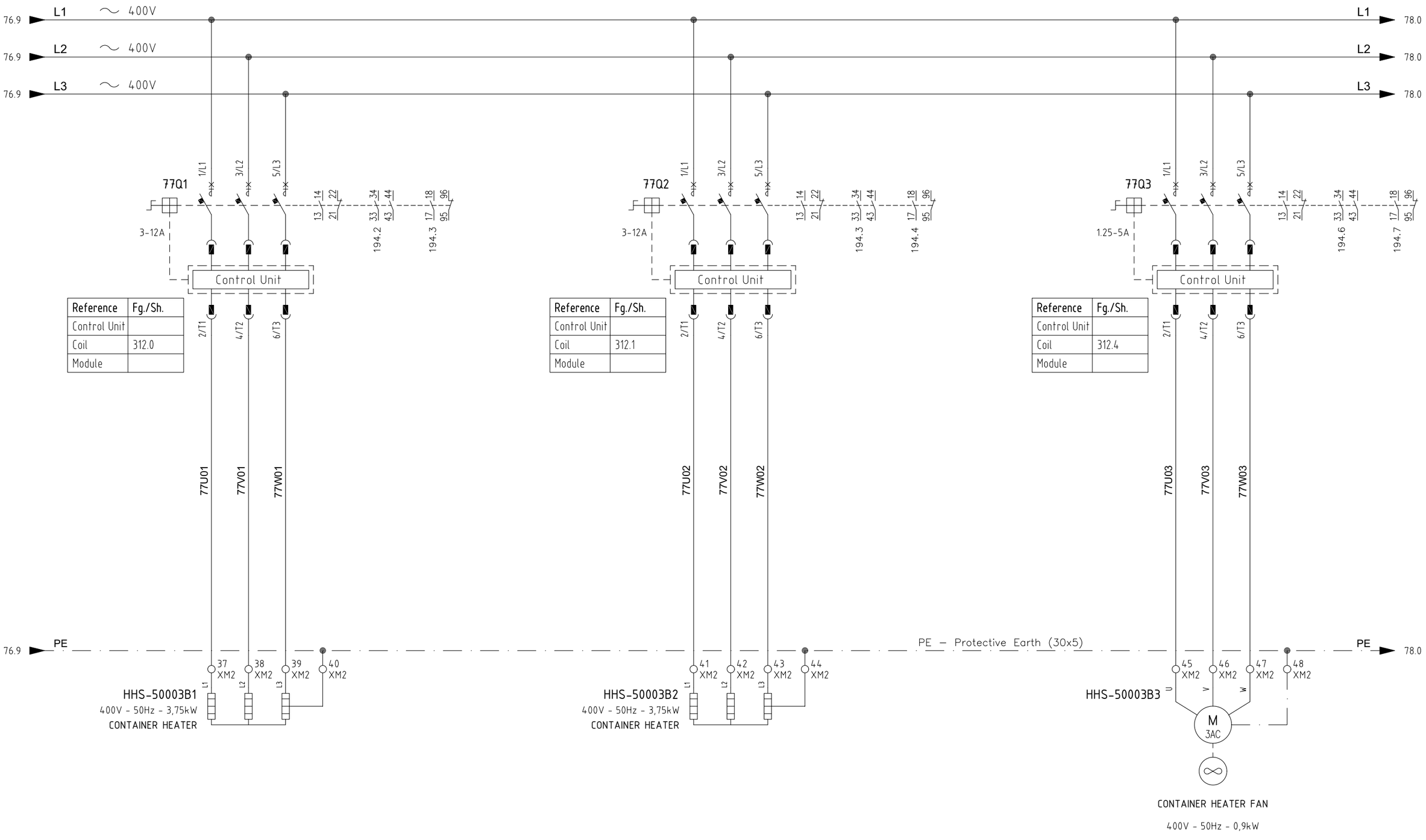
DRAWING NO. 1724000448-IN-DG-00014

SHEET 76

REV. 02

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



Reference	Fg./Sh.
Control Unit	
Coil	312.0
Module	

Reference	Fg./Sh.
Control Unit	
Coil	312.1
Module	

Reference	Fg./Sh.
Control Unit	
Coil	312.4
Module	

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
CONTAINER HEATER

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 77

REV. 02

File Name : PK2885_3

F.to UNI A3: 420mmx297mm

77.9 L1 ~ 400V
77.9 L2 ~ 400V
77.9 L3 ~ 400V
66.9 N ~ 0V

L1 → 88.0
L2 → 88.0
L3 → 88.0
N → 88.0

78Q1

1/L1 3/L2 5/L3 13 14 21 22 33 34 43 44 17 18 95 96
172.4 172.5
0.35-1.4A
Control Unit
2/T1 4/T2 6/T3

Reference	Fg./Sh.
Control Unit	
Coil	306.5
Module	

78L01 78N01

78Q2

1/L1 3/L2 5/L3 13 14 21 22 33 34 43 44 17 18 95 96
176.4 176.5
0.35-1.4A
Control Unit
2/T1 4/T2 6/T3

Reference	Fg./Sh.
Control Unit	
Coil	310.5
Module	

78L02 78N02

78Q3

1/L1 3/L2 5/L3 13 14 21 22 33 34 43 44 17 18 95 96
196.2 196.3
0.35-1.4A
Control Unit
2/T1 4/T2 6/T3

Reference	Fg./Sh.
Control Unit	
Coil	312.5
Module	

78L03 78N03

77.9 PE — PE – Protective Earth (30x5) — PE → 88.0

HFA-50001A

49 XM2 50 XM2 51 XM2
U V
M 1AC

CONTAINER FAN
230V - 50Hz - 0,14 kW

HFA-50001B

52 XM2 53 XM2 54 XM2
U V
M 1AC

CONTAINER FAN
230V - 50Hz - 0,14 kW

HFA-50001C

55 XM2 56 XM2 57 XM2
U V
M 1AC

CONTAINER FAN
230V - 50Hz - 0,14 kW

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
CONTAINER FAN

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 78

REV. 02

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
LIGHTING CIRCUIT

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 88

REV. 03

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
UV STERILIZER

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 90

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
LP COARSE FILTER A-500003

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 92

REV. 02

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
LP SAND FILTER S-500001

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

SCALE : --

A3

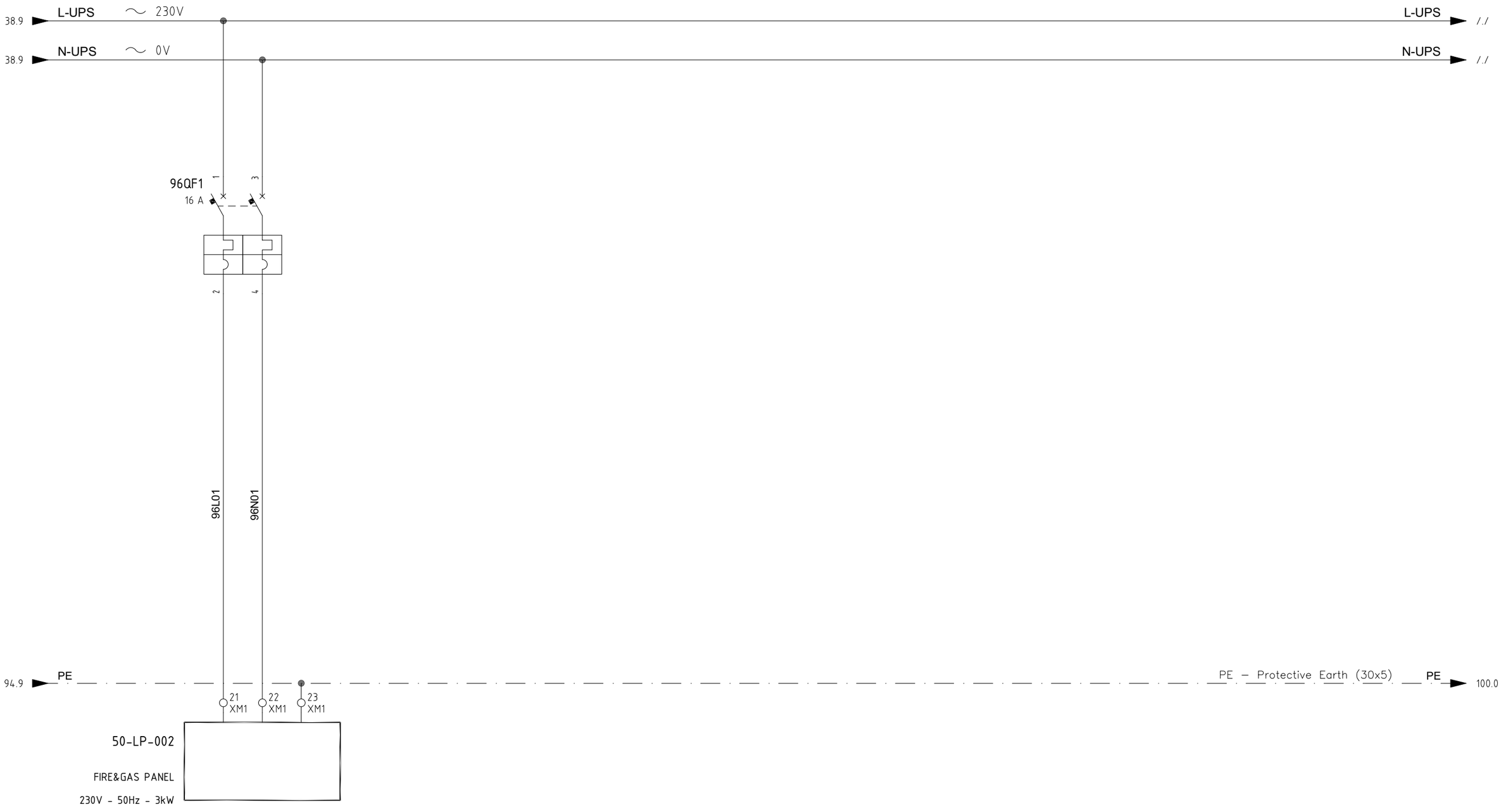
DRAWING NO. 1724000448-IN-DG-00014

SHEET 94

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
FIRE&GAS PANEL

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 96

REV. 03

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
SOFTENING FILTER

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

SCALE : --

A3

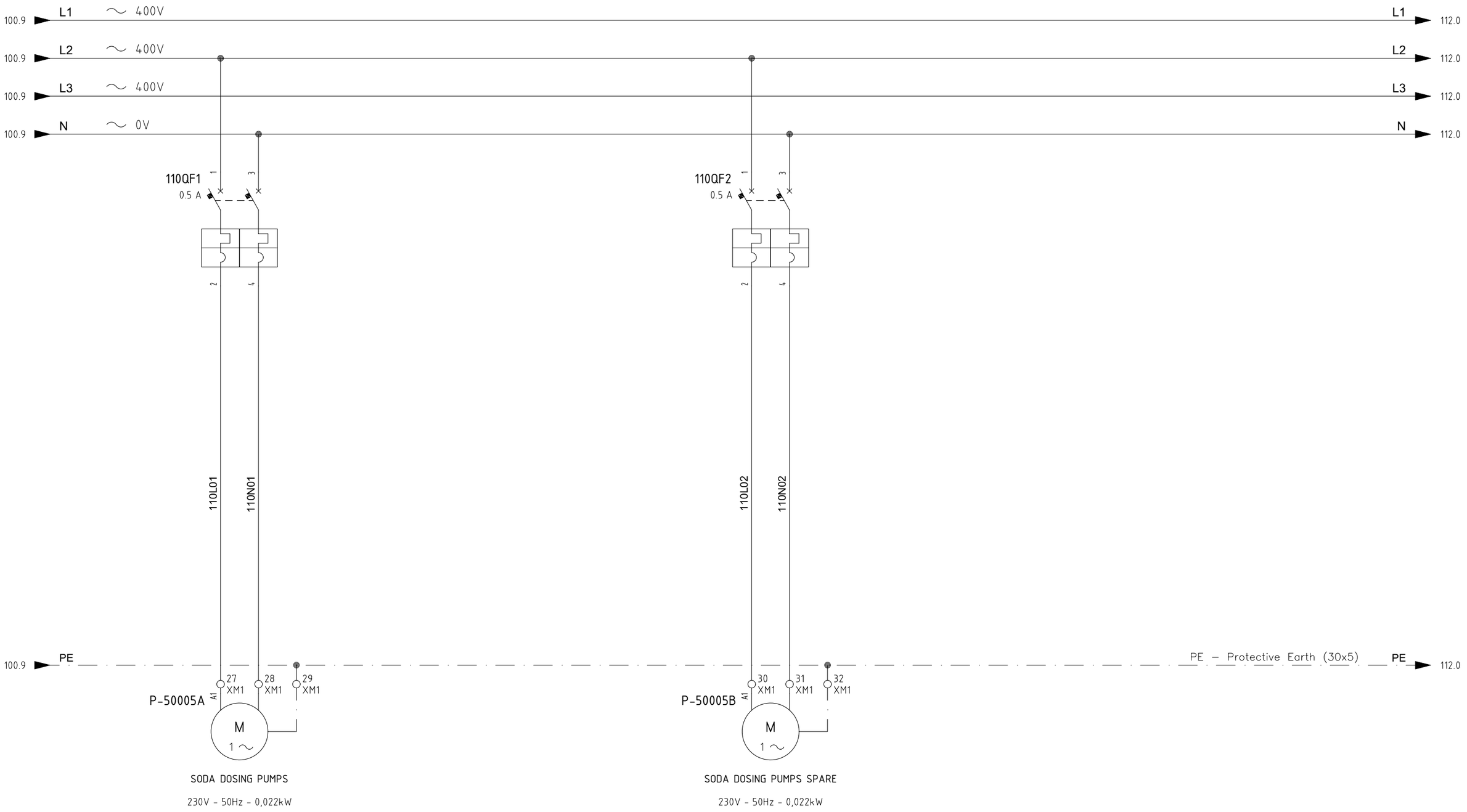
DRAWING NO. 1724000448-IN-DG-00014

SHEET 100

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
SODA DOSING PUMPS

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

SCALE : --

A3

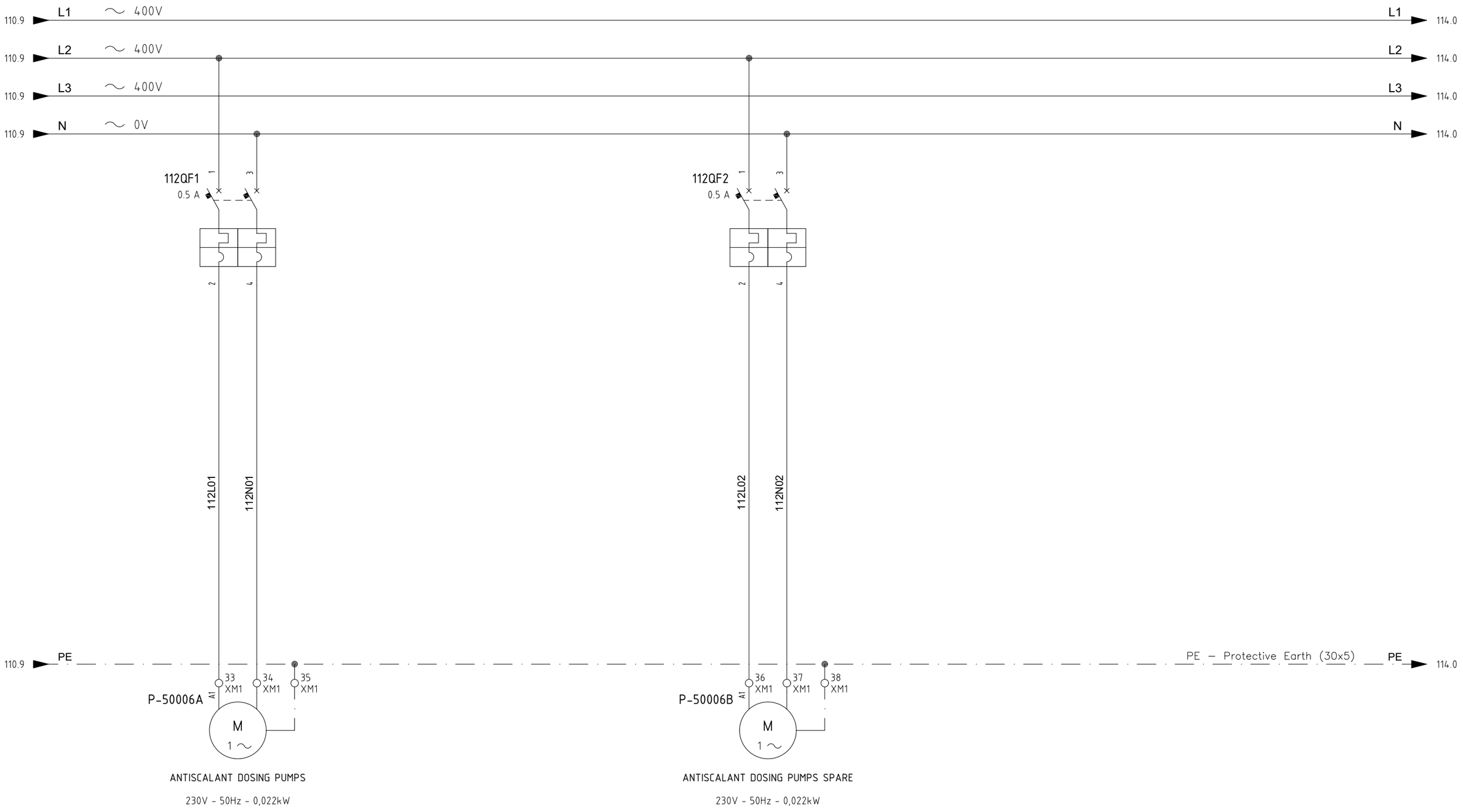
DRAWING NO. 1724000448-IN-DG-00014

SHEET 110

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
ANTISCALANT DOSING PUMPS

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

SCALE : --

A3

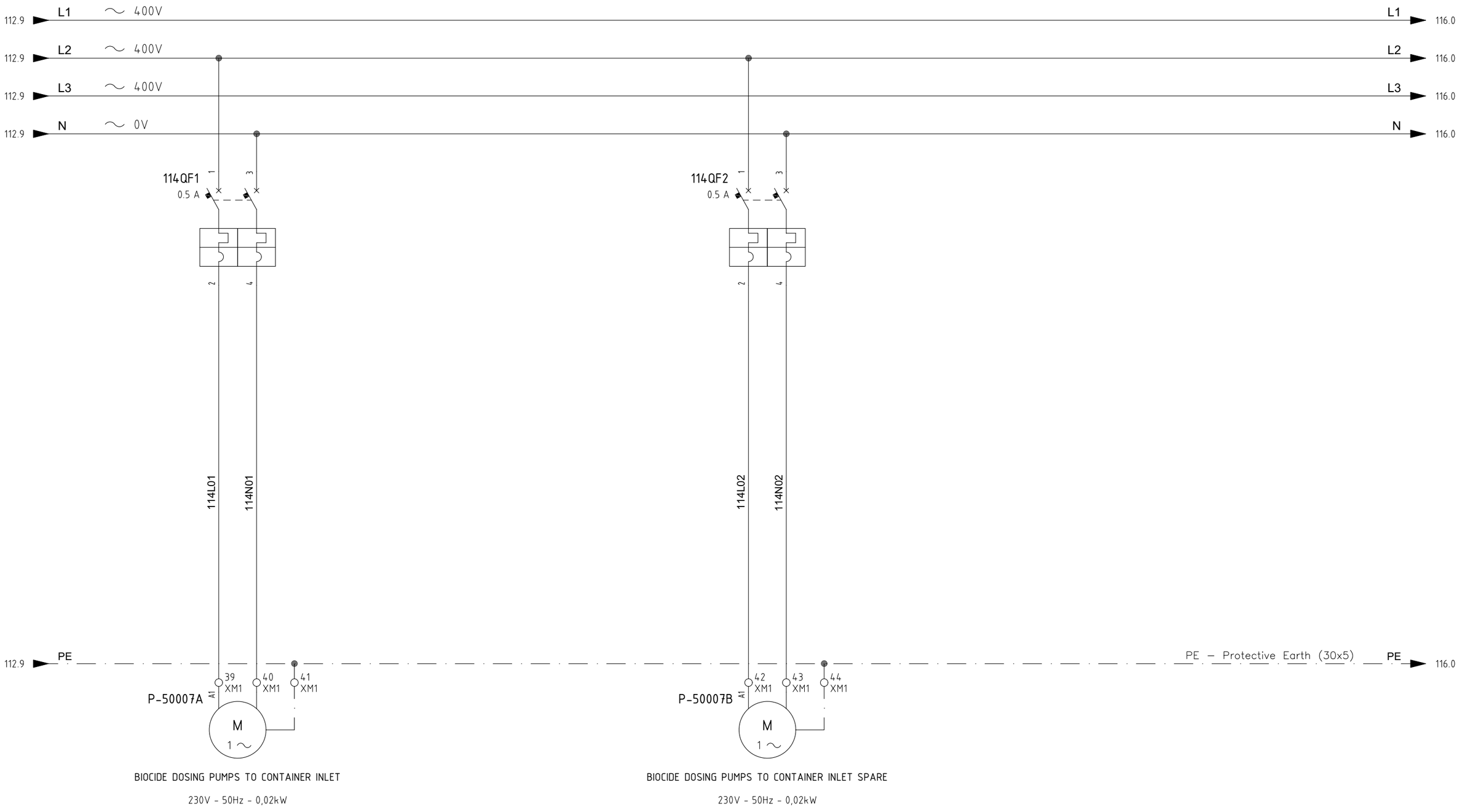
DRAWING NO. 1724000448-IN-DG-00014

SHEET 112

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



BIOCIDE DOSING PUMPS TO CONTAINER INLET

230V - 50Hz - 0,02kW

BIOCIDE DOSING PUMPS TO CONTAINER INLET SPARE

230V - 50Hz - 0,02kW

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
BIOCIDE DOSING PUMPS TO CONTAINER INLET

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

SCALE : --

A3

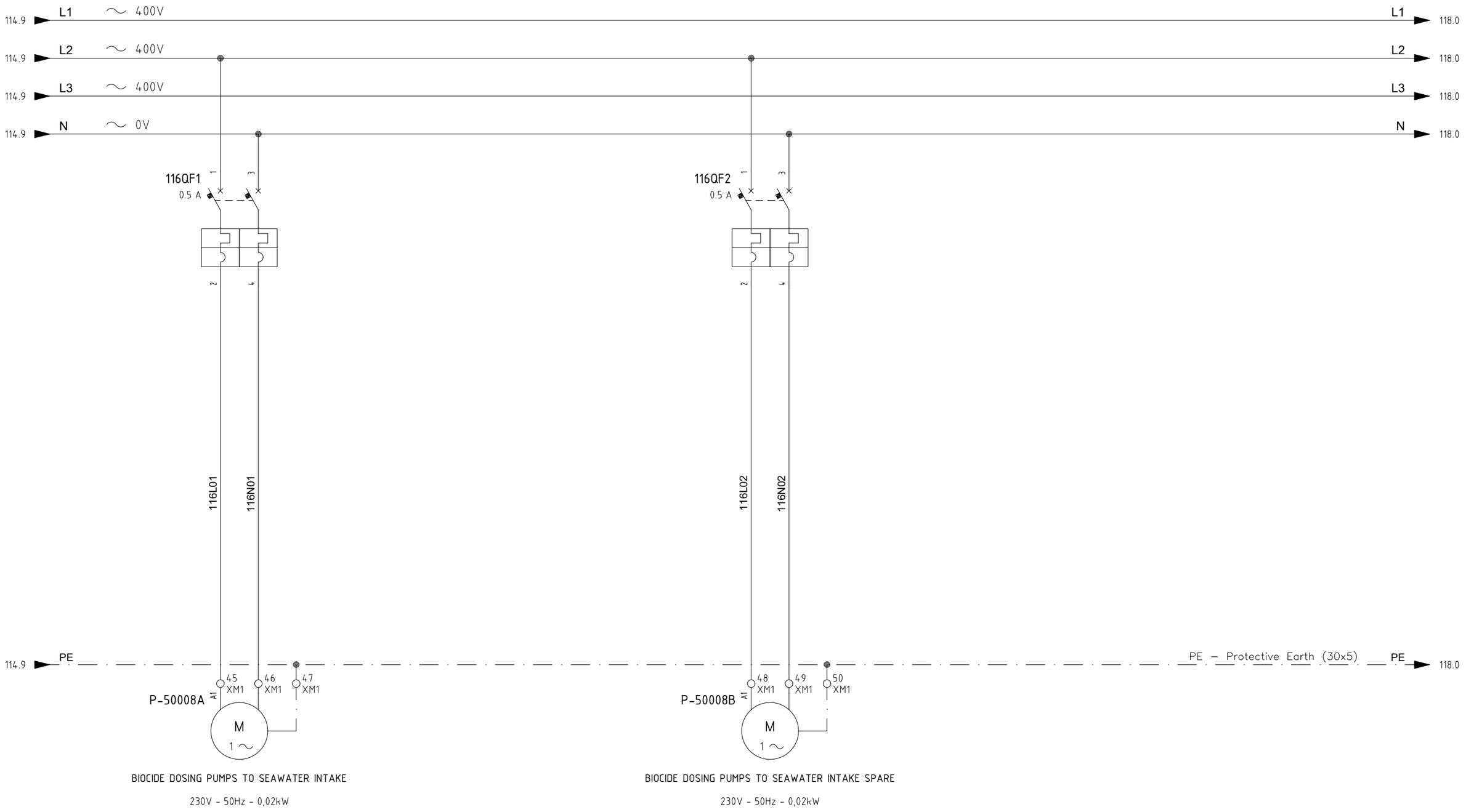
DRAWING NO. 1724000448-IN-DG-00014

SHEET 114

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



BIOCIDE DOSING PUMPS TO SEAWATER INTAKE

230V - 50Hz - 0,02kW

BIOCIDE DOSING PUMPS TO SEAWATER INTAKE SPARE

230V - 50Hz - 0,02kW

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
BIOCIDE DOS. PUMPS TO SEAWATER INTAKE

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

SCALE : --

A3

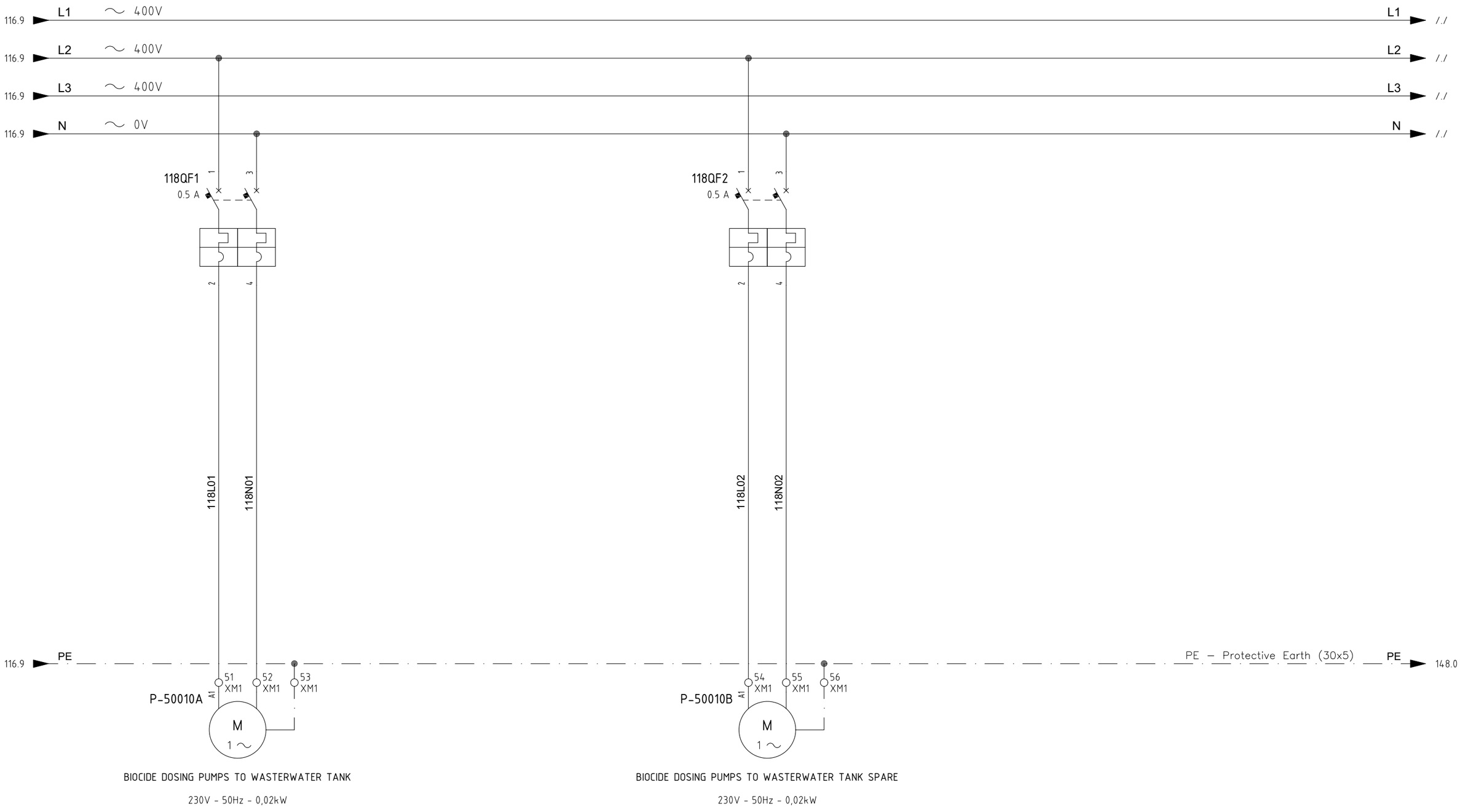
DRAWING NO. 1724000448-IN-DG-00014

SHEET 116

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



BIOCIDE DOSING PUMPS TO WASTERWATER TANK

230V - 50Hz - 0,02kW

BIOCIDE DOSING PUMPS TO WASTERWATER TANK SPARE

230V - 50Hz - 0,02kW

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
BIOCIDE DOS. PUMPS TO WASTEWATER TANK

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

SCALE : --

A3

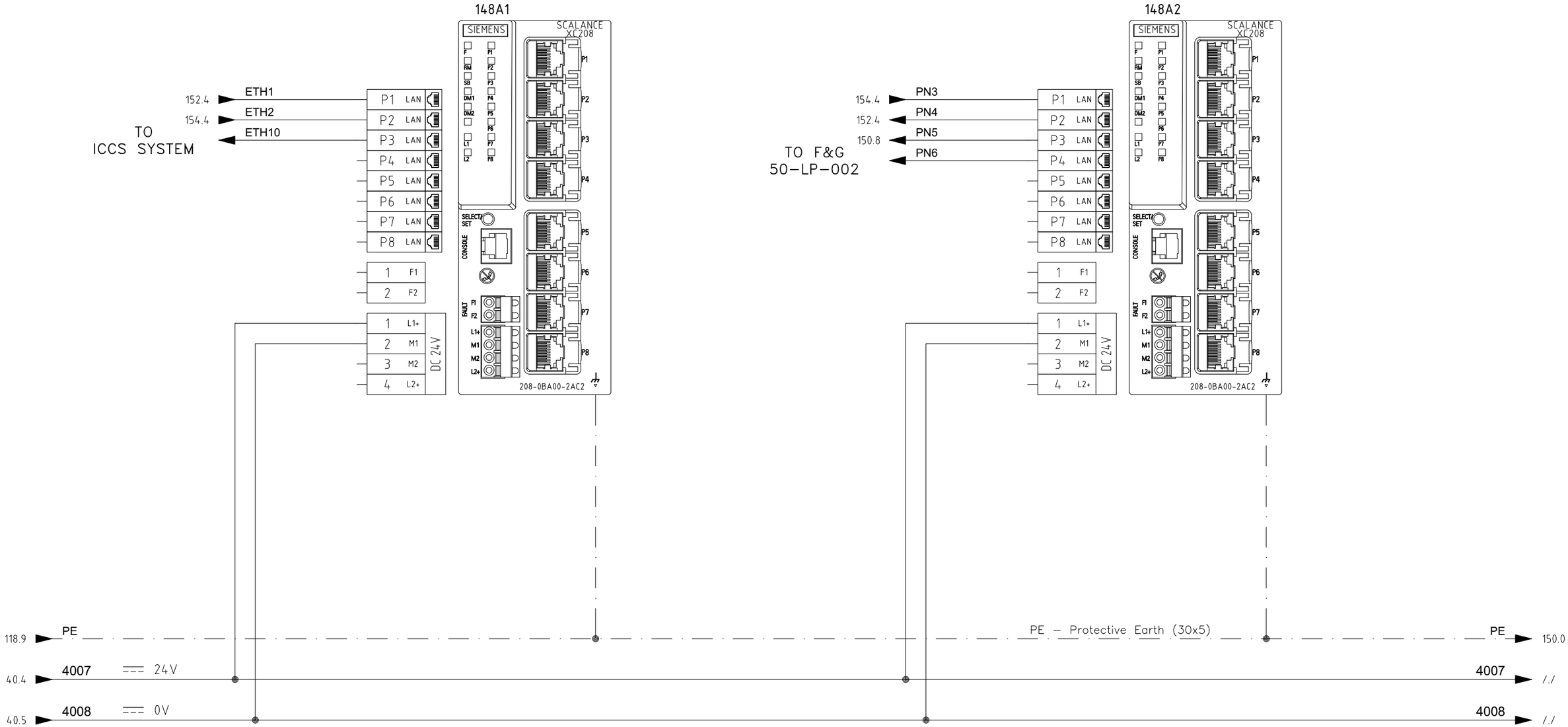
DRAWING NO. 1724000448-IN-DG-00014

SHEET 118

REV. 01

File Name : PK2885_3

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
SWITCH ETHERNET

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

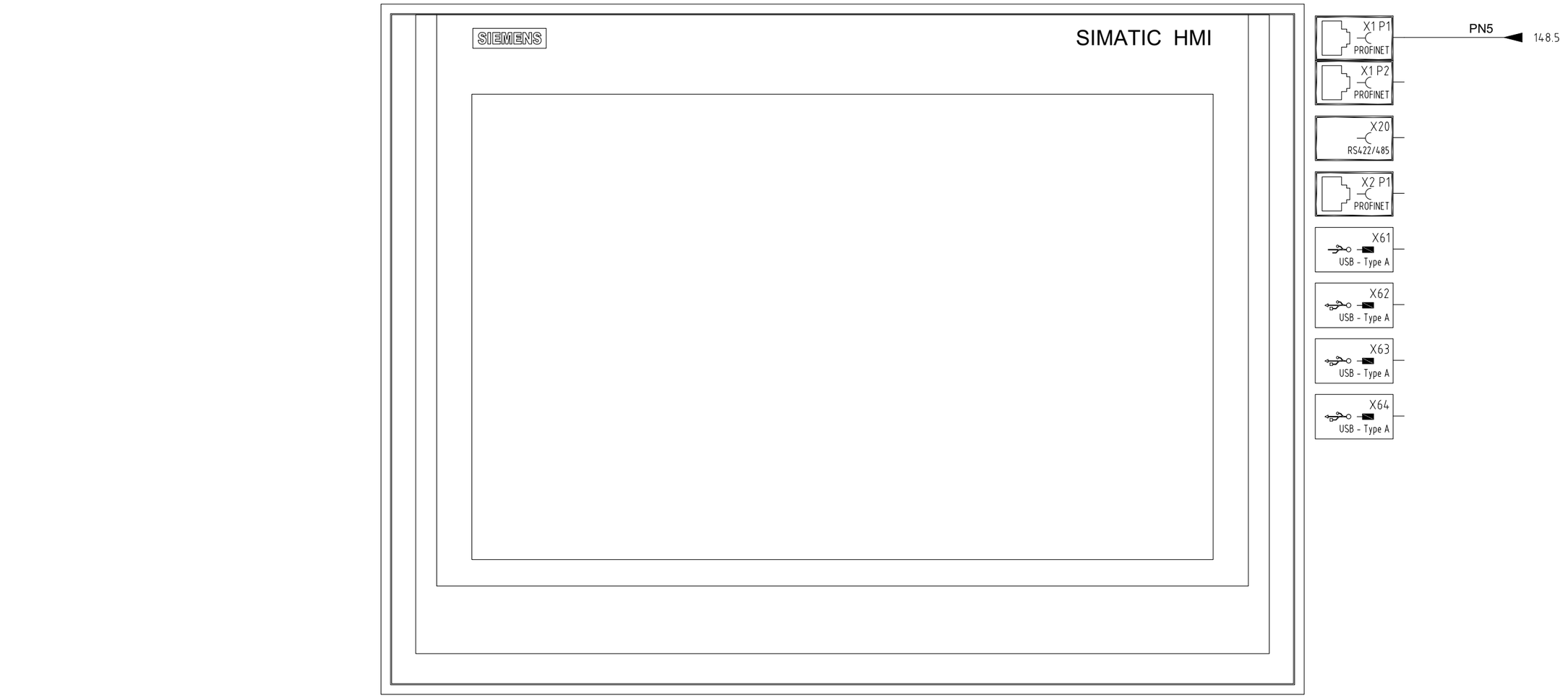
SHEET 148

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

150A1



X1 P1 PROFINET — PN5 → 148.5

X1 P2 PROFINET

X20 RS422/485

X2 P1 PROFINET

X61 USB - Type A

X62 USB - Type A

X63 USB - Type A

X64 USB - Type A

DC 24V (X80)

L+	M	FG
1	2	

148.9 PE — PE – Protective Earth (30x5) — PE → 152.0

40.5 4009 ⎓ 24V → 4009 /.

40.6 4010 ⎓ 0V → 4010 /.

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
HMI

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

SCALE : --

A3

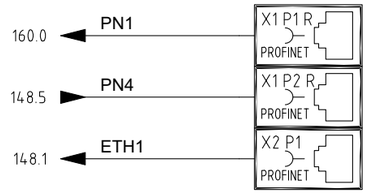
DRAWING NO. 1724000448-IN-DG-00014

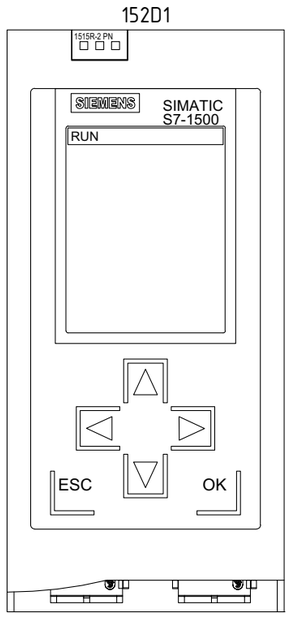
SHEET 150

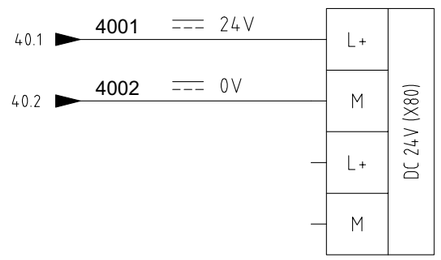
REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm







150.9 PE — PE – Protective Earth (30x5) — PE 154.0

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
CPU A

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

SCALE : --

A3

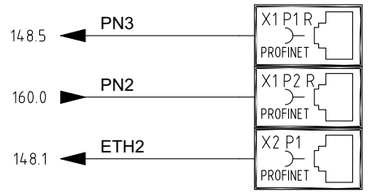
DRAWING NO. 1724000448-IN-DG-00014

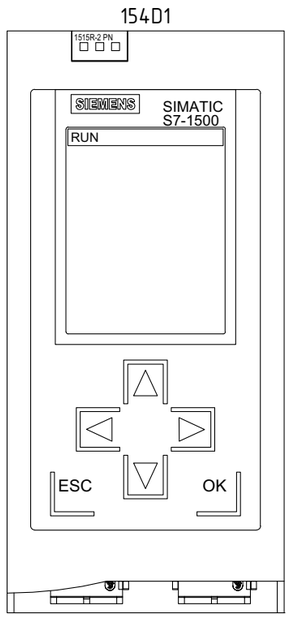
SHEET 152

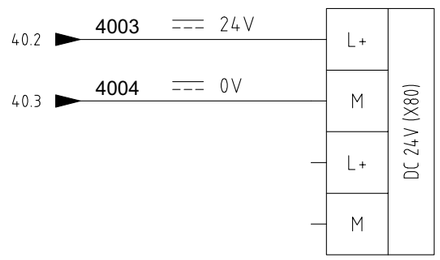
REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm







152.9 PE — PE – Protective Earth (30x5) — PE 160.0

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
CPU B

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

SCALE : --

A3

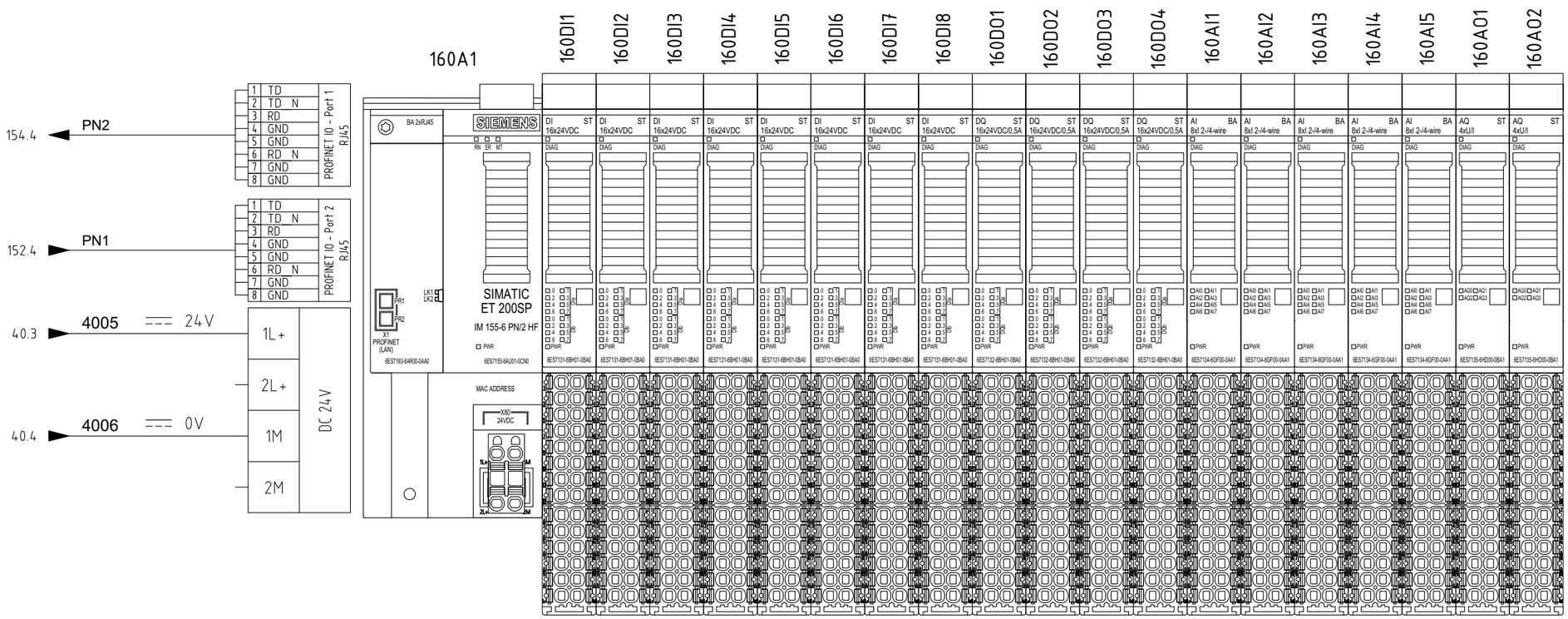
DRAWING NO. 1724000448-IN-DG-00014

SHEET 154

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



154.9 PE — PE – Protective Earth (30x5) — PE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	17/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
RACK 1

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

SCALE : --

A3

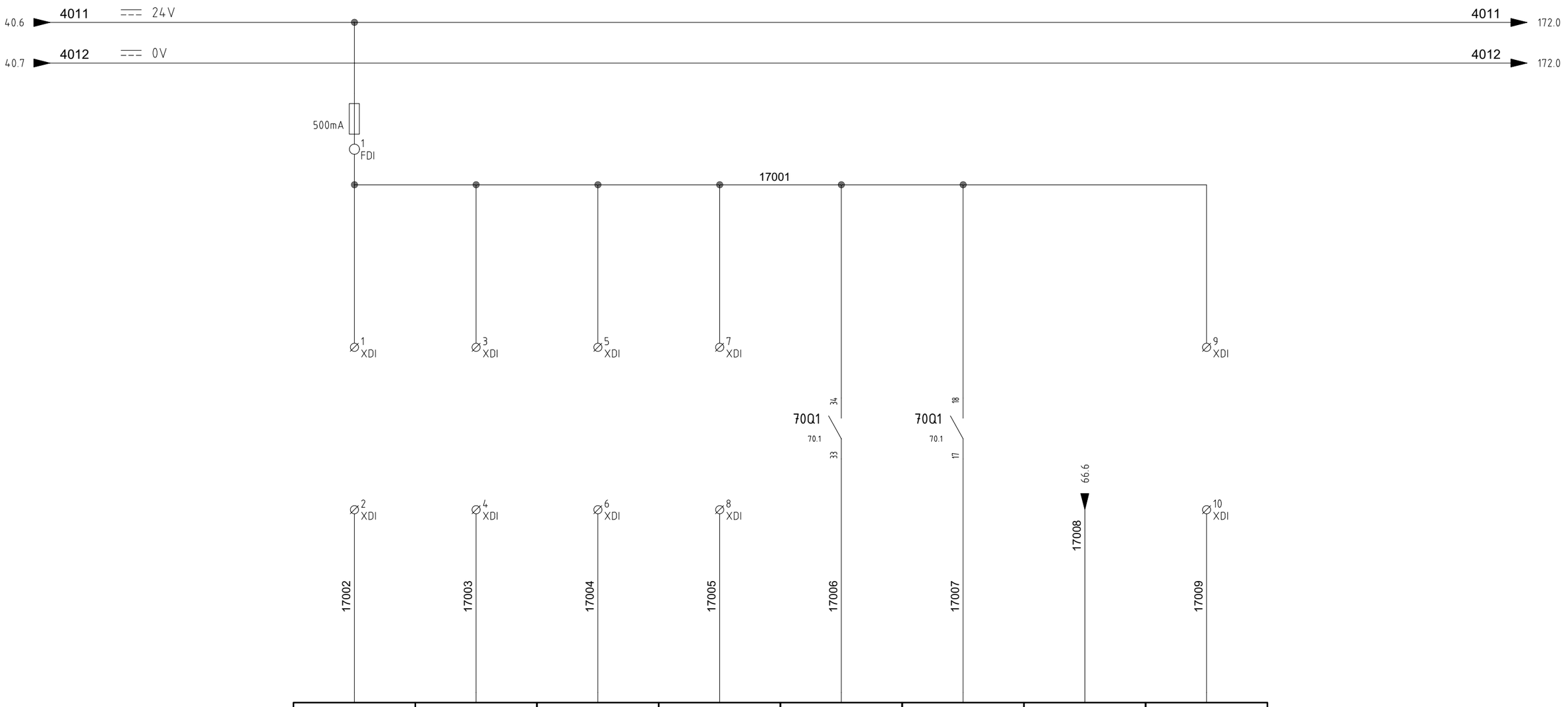
DRAWING NO. 1724000448-IN-DG-00014

SHEET 160

REV. 02

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



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 RACK 1 MOD. 1 50-XZSH-021	CPU RACK 1 MOD. 1 50-XZSL-021	CPU RACK 1 MOD. 1 50-XZSH-023	CPU RACK 1 MOD. 1 50-XZSL-023	CPU RACK 1 MOD. 1 50-XI-P50003A	CPU RACK 1 MOD. 1 50-XA-P50003A	CPU RACK 1 MOD. 1 50-TSHH-020	CPU RACK 1 MOD. 1 50-XZSH-020
Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3
P-50003A SUCTION VALVE OPEN	P-50003A SUCTION VALVE CLOSED	P-50003A FLUSHING VALVE OPEN	P-50003A FLUSHING VALVE CLOSED	SW BOOSTER PUMP RUN STATUS	SW BOOSTER PUMP AVAILABLE STATUS	H-50001 TEMPERATURE	SEAWATER INLET VALVE OPEN

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 1

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

SCALE : --

A3

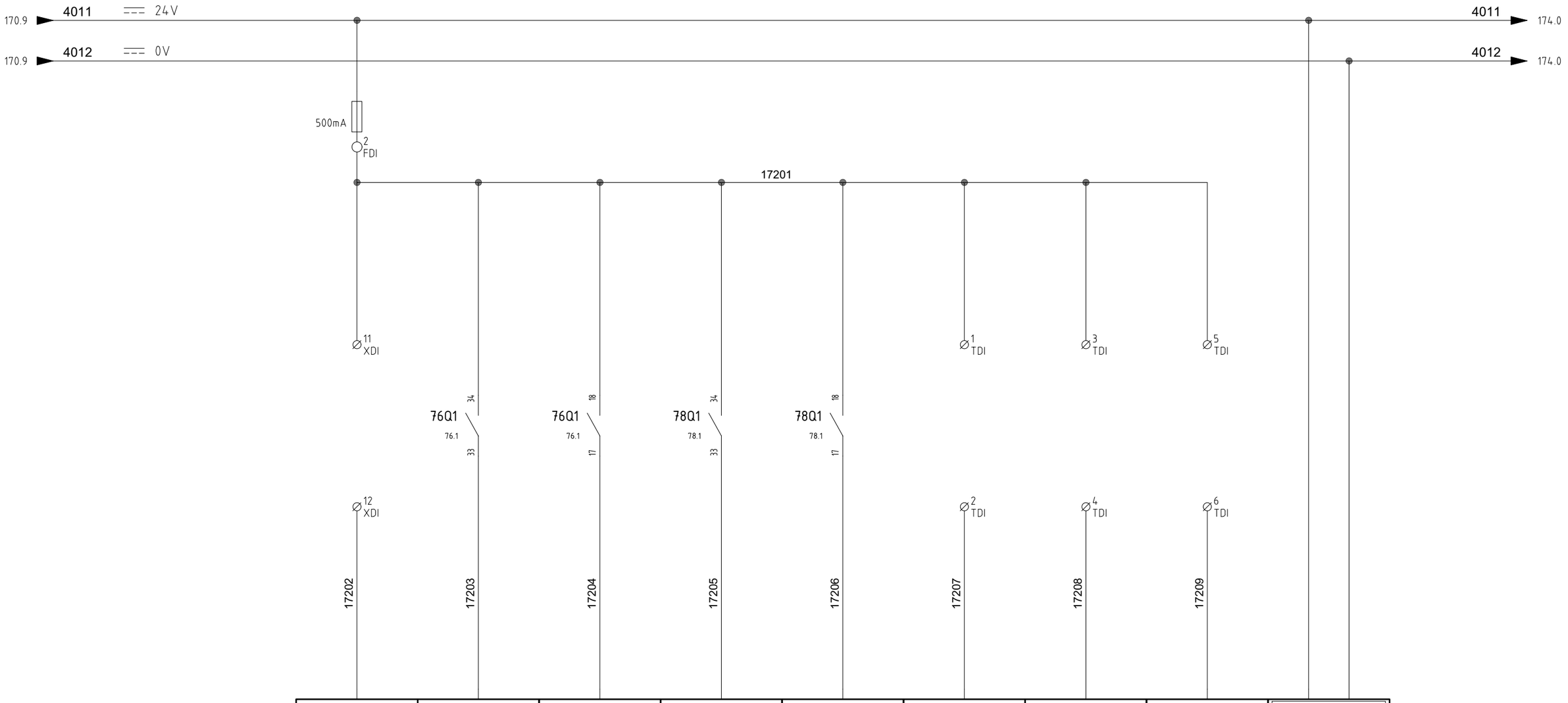
DRAWING NO. 1724000448-IN-DG-00014

SHEET 170

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



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 RACK 1 MOD. 1 50-XZSL-020	CPU RACK 1 MOD. 1 50-XI-HHS50003A1	CPU RACK 1 MOD. 1 50-XA-HHS50003A1	CPU RACK 1 MOD. 1 50-XI-HFA50001A	CPU RACK 1 MOD. 1 50-XA-HFA50001A	CPU RACK 1 MOD. 1 50-XA-S50001B	CPU RACK 1 MOD. 1 SPARE	CPU RACK 1 MOD. 1 SPARE	CPU RACK 1 MOD. 1
Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3	Name: 160DI1 Sheet: 160.3
SEAWATER INLET VALVE CLOSED	CONTAINER ELECTRICAL HEATER RUN STATUS	CONTAINER ELECTRICAL HEATER AVAILABLE STATUS	CONTAINER AIR FAN RUN STATUS	CONTAINER AIR FAN AVAILABLE STATUS	REGENERATION STATUS SAND FILTER S-50001 4	SPARE	SPARE	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 1

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

SCALE : --

A3

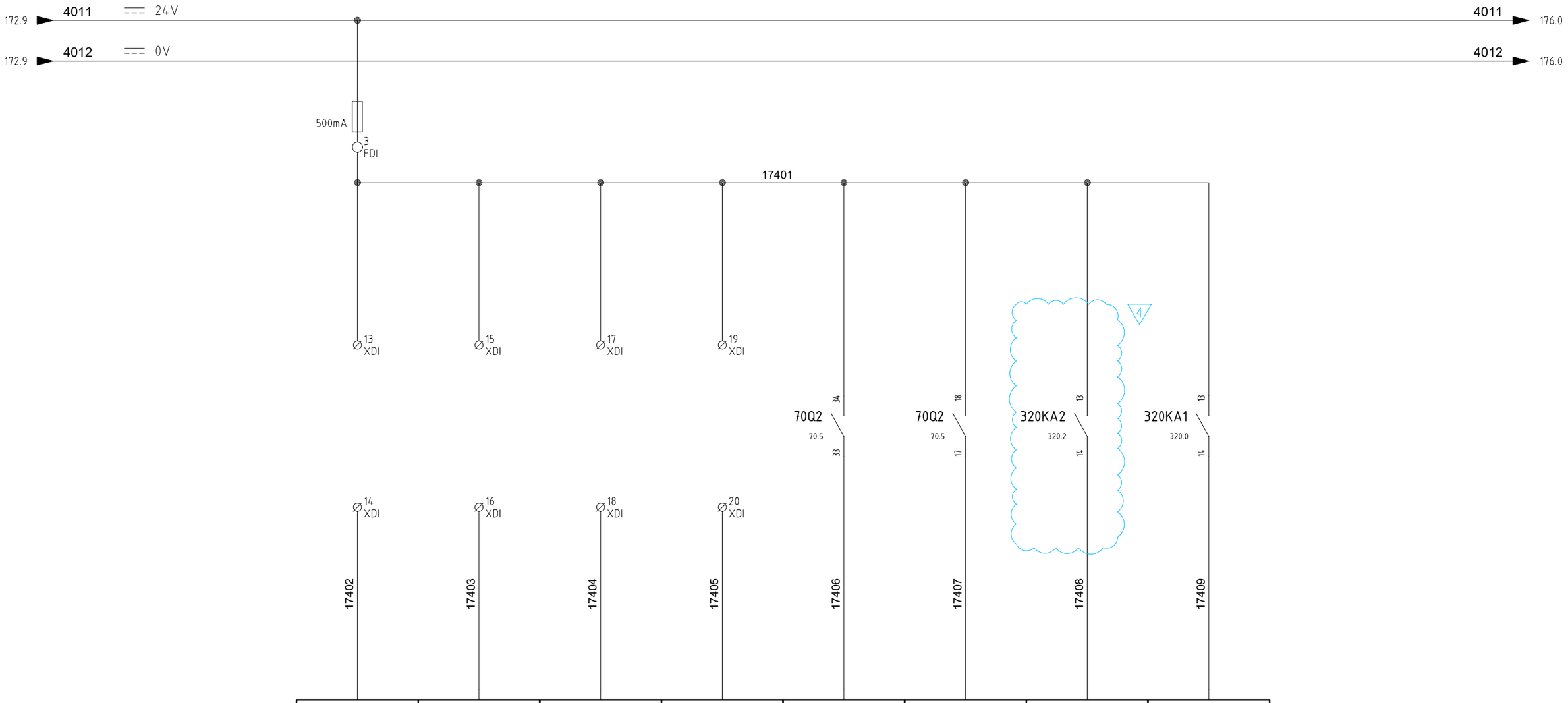
DRAWING NO. 1724000448-IN-DG-00014

SHEET 172

REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



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 RACK 1 MOD. 2 50-XZSH-022	CPU RACK 1 MOD. 2 50-XZSL-022	CPU RACK 1 MOD. 2 50-XZSH-024	CPU RACK 1 MOD. 2 50-XZSL-024	CPU RACK 1 MOD. 2 50-XI-P50003B	CPU RACK 1 MOD. 2 50-XA-P50003B	CPU RACK 1 MOD. 2 50-HS-020	CPU RACK 1 MOD. 2 50-XS-001
Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3
P-50003B SUCTION VALVE OPEN	P-50003B SUCTION VALVE CLOSED	P-50003B FLUSHING VALVE OPEN	P-50003 FLUSHING VALVE CLOSED	SW BOOSTER PUMP RUN STATUS	SW BOOSTER PUMP AVAILABLE STATUS	EMERGENCY STOP PUSHBUTTON	SHUTDOWN

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 2

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

SCALE : --

A3

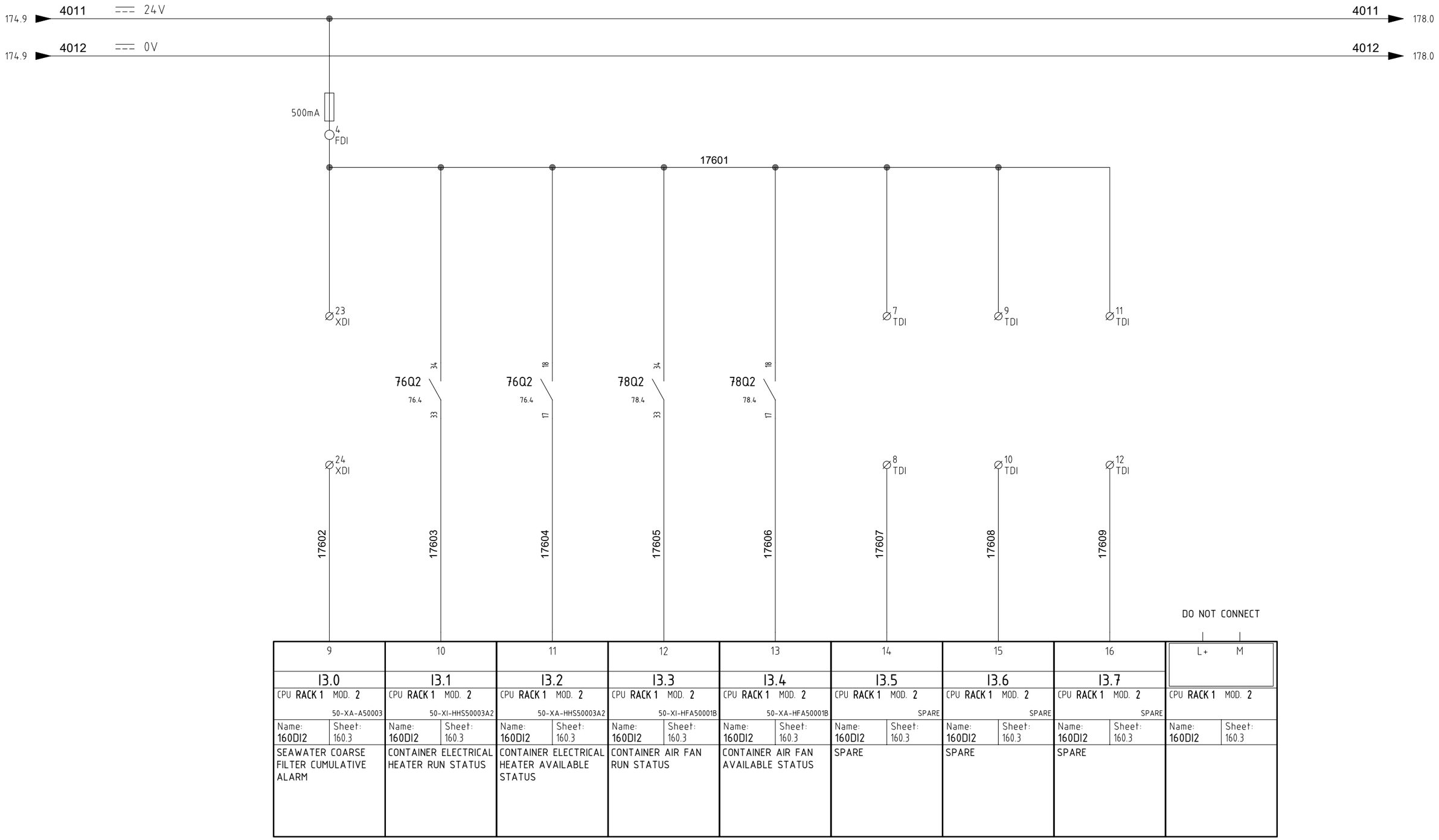
DRAWING NO. 1724000448-IN-DG-00014

SHEET 174

REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



9	10	11	12	13	14	15	16	
I3.0	I3.1	I3.2	I3.3	I3.4	I3.5	I3.6	I3.7	
CPU RACK 1 MOD. 2 50-XA-A50003	CPU RACK 1 MOD. 2 50-XI-HHS50003A2	CPU RACK 1 MOD. 2 50-XA-HHS50003A2	CPU RACK 1 MOD. 2 50-XI-HFA50001B	CPU RACK 1 MOD. 2 50-XA-HFA50001B	CPU RACK 1 MOD. 2 SPARE	CPU RACK 1 MOD. 2 SPARE	CPU RACK 1 MOD. 2 SPARE	CPU RACK 1 MOD. 2
Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3	Name: 160DI2 Sheet: 160.3
SEAWATER COARSE FILTER CUMULATIVE ALARM	CONTAINER ELECTRICAL HEATER RUN STATUS	CONTAINER ELECTRICAL HEATER AVAILABLE STATUS	CONTAINER AIR FAN RUN STATUS	CONTAINER AIR FAN AVAILABLE STATUS	SPARE	SPARE	SPARE	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 2

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

SCALE : --

A3

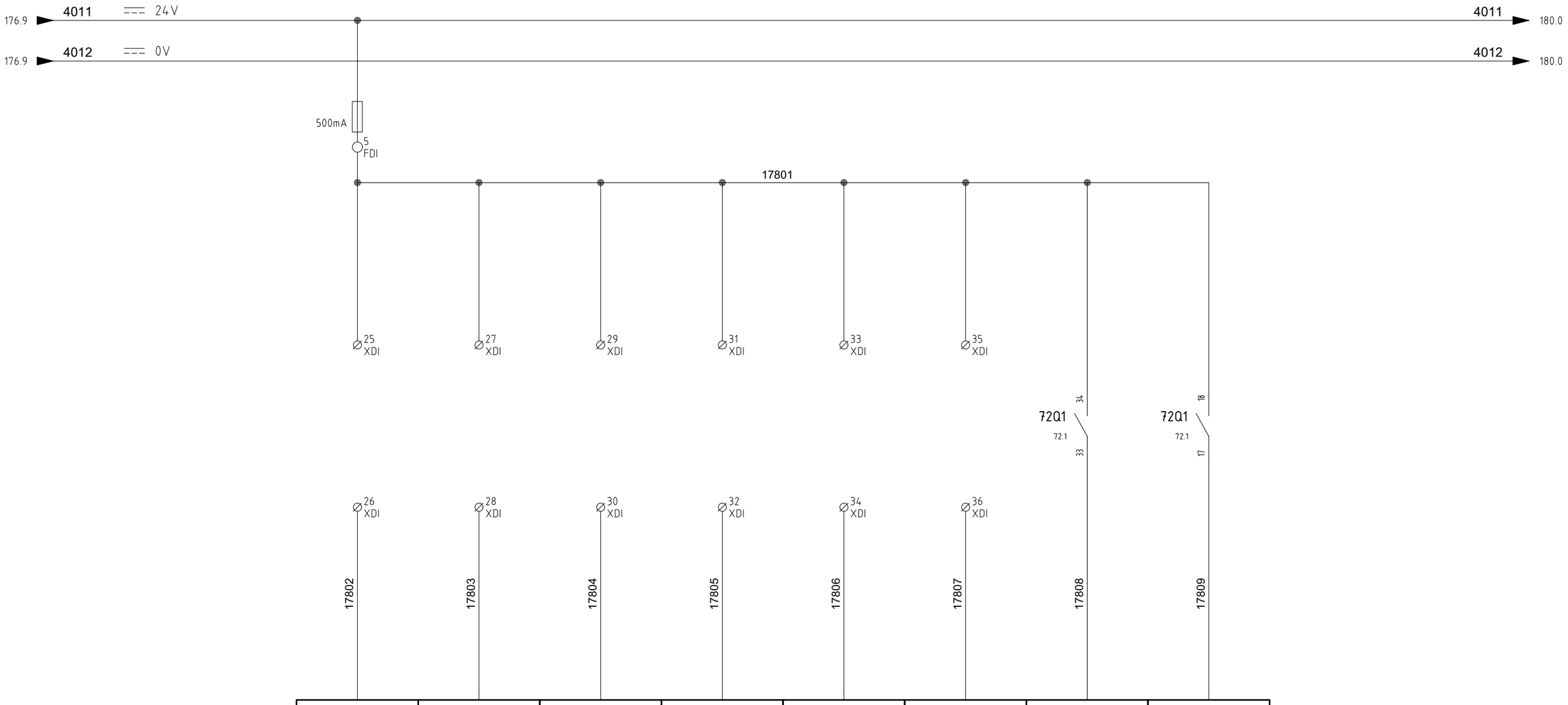
DRAWING NO. 1724000448-IN-DG-00014

SHEET 176

REV. 02

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



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 RACK 1 MOD. 3 50-XZSH-025	CPU RACK 1 MOD. 3 50-XZSL-025	CPU RACK 1 MOD. 3 50-XZSH-027	CPU RACK 1 MOD. 3 50-XZSL-027	CPU RACK 1 MOD. 3 50-XZSH-031	CPU RACK 1 MOD. 3 50-XZSL-031	CPU RACK 1 MOD. 3 50-XI-P50002A	CPU RACK 1 MOD. 3 50-XA-P50002A
Name: 160DI3 Sheet: 160.3	Name: 160DI3 Sheet: 160.3	Name: 160DI3 Sheet: 160.3	Name: 160DI3 Sheet: 160.3	Name: 160DI3 Sheet: 160.3	Name: 160DI3 Sheet: 160.3	Name: 160DI3 Sheet: 160.3	Name: 160DI3 Sheet: 160.3
FRESH WATER FROM A-50007A/B VALVE OPEN	FRESH WATER FROM A-50007A/B VALVE CLOSED	BRINE FROM A-50007A VALVE OPEN	BRINE FROM A-50007A VALVE CLOSED	FRESH WATER OUTLET VALVE OPEN	FRESH WATER OUTLET VALVE CLOSED	BACKWASH PUMP RUN STATUS	BACKWASH PUMP AVAILABLE STATUS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 3

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

SCALE : --

A3

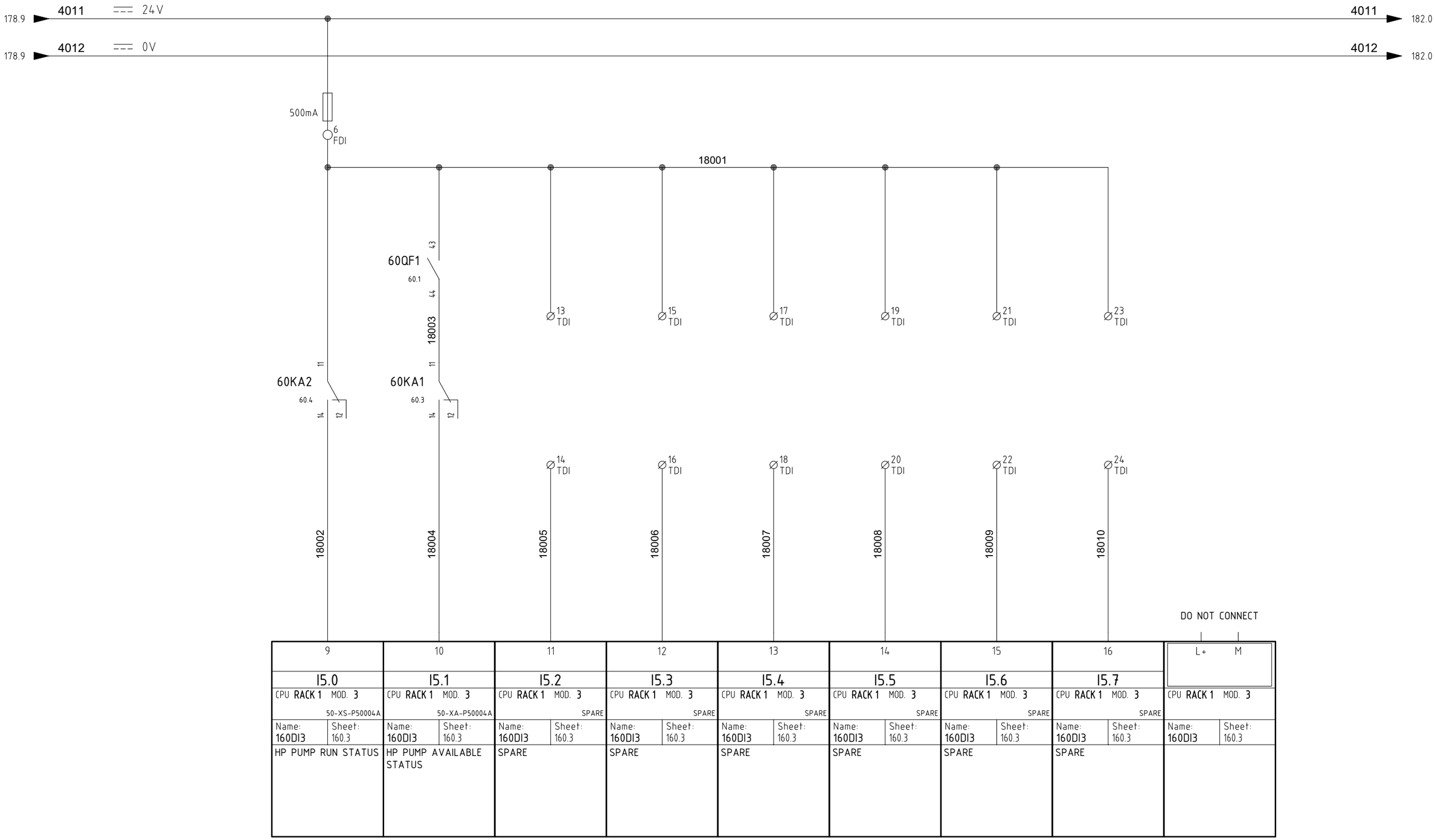
DRAWING NO. 1724000448-IN-DG-00014

SHEET 178

REV. 01

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



9	10	11	12	13	14	15	16	
I5.0	I5.1	I5.2	I5.3	I5.4	I5.5	I5.6	I5.7	
CPU RACK 1 MOD. 3 50-XS-P50004A	CPU RACK 1 MOD. 3 50-XA-P50004A	CPU RACK 1 MOD. 3 SPARE	CPU RACK 1 MOD. 3 SPARE	CPU RACK 1 MOD. 3 SPARE	CPU RACK 1 MOD. 3 SPARE	CPU RACK 1 MOD. 3 SPARE	CPU RACK 1 MOD. 3 SPARE	CPU RACK 1 MOD. 3
Name: 160DI3 / Sheet: 160.3	Name: 160DI3 / Sheet: 160.3	Name: 160DI3 / Sheet: 160.3	Name: 160DI3 / Sheet: 160.3	Name: 160DI3 / Sheet: 160.3	Name: 160DI3 / Sheet: 160.3	Name: 160DI3 / Sheet: 160.3	Name: 160DI3 / Sheet: 160.3	Name: 160DI3 / Sheet: 160.3
HP PUMP RUN STATUS	HP PUMP AVAILABLE STATUS	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 3

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

SCALE : --

A3

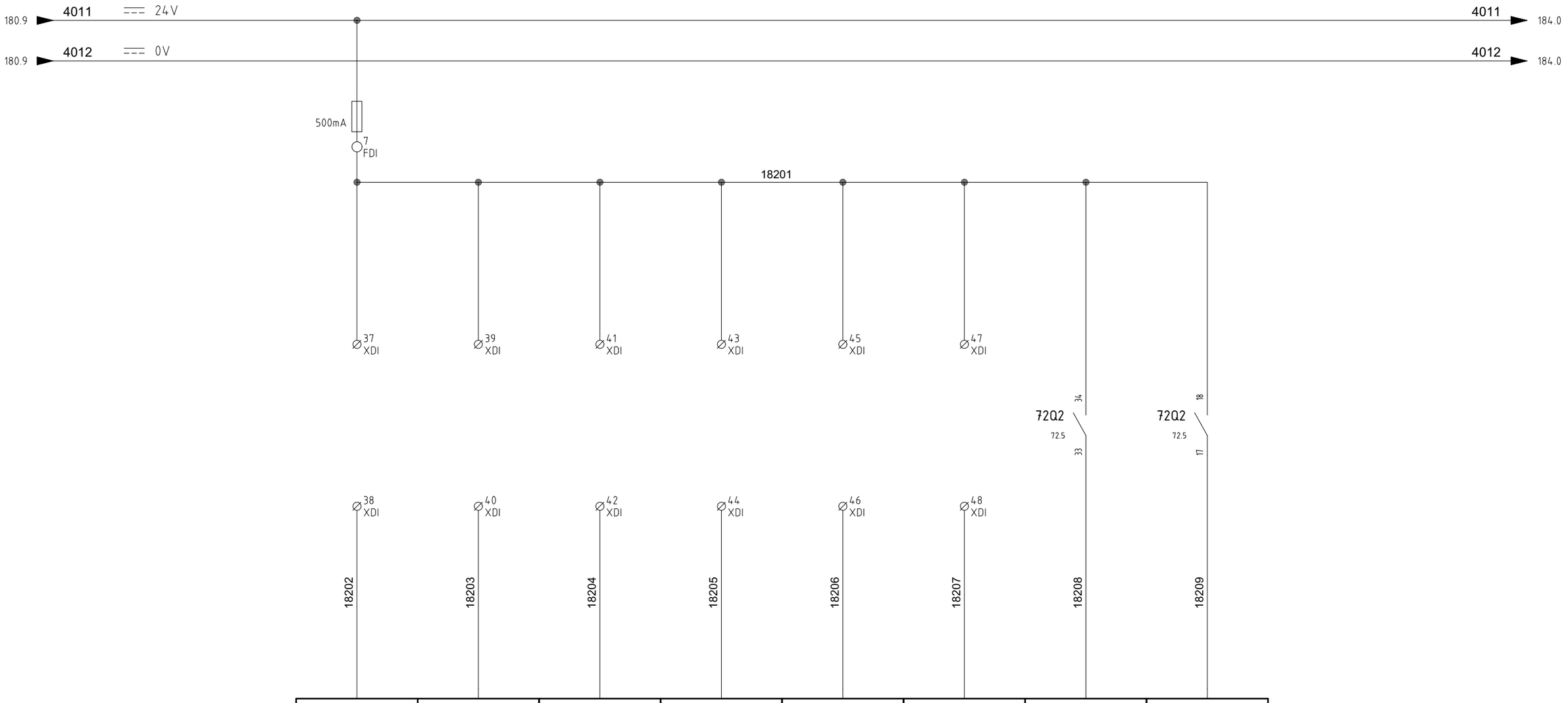
DRAWING NO. 1724000448-IN-DG-00014

SHEET 180

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



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 RACK 1 MOD. 4 50-XZSH-026	CPU RACK 1 MOD. 4 50-XZSL-026	CPU RACK 1 MOD. 4 50-XZSH-030	CPU RACK 1 MOD. 4 50-XZSL-030	CPU RACK 1 MOD. 4 50-XZSH-032	CPU RACK 1 MOD. 4 50-XSZL-032	CPU RACK 1 MOD. 4 50-XI-P50002B	CPU RACK 1 MOD. 4 50-XA-P50002B
Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3
FRESH WATER DRAIN FROM A-50007A/B VALVE OPEN	FRESH WATER DRAIN FROM A-50007A/B VALVE CLOSED	BRINE FROM A-50007B VALVE OPEN	BRINE FROM A-50007B VALVE CLOSED	FRESH WATER OFF-SPEC VALVE OPEN	FRESH WATER OFF-SPEC VALVE CLOSED	BACKWASH PUMP RUN STATUS	BACKWASH PUMP AVAILABLE STATUS

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 4

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

SCALE : --

A3

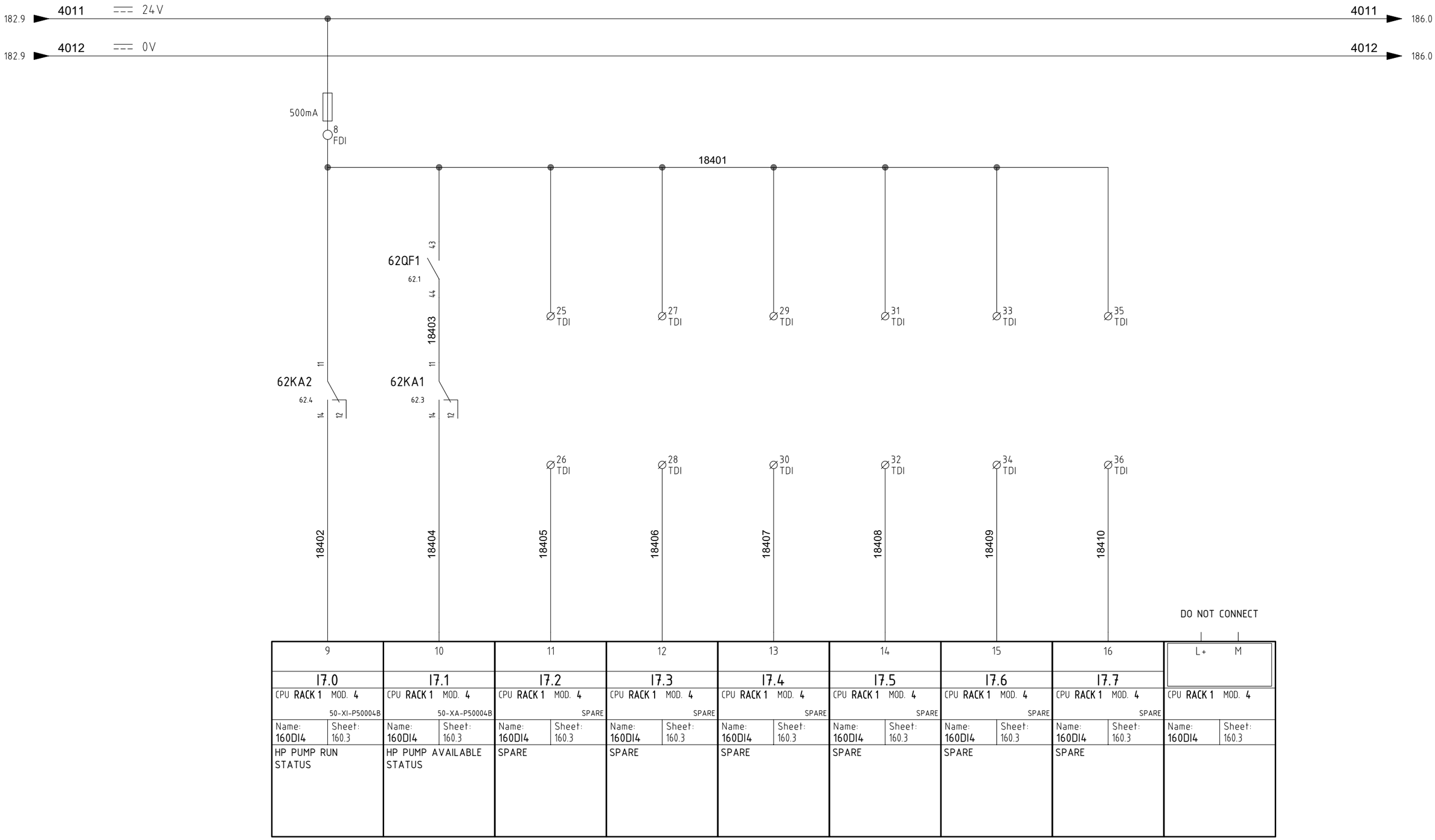
DRAWING NO. 1724000448-IN-DG-00014

SHEET 182

REV. 01

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



9	10	11	12	13	14	15	16	
17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	
CPU RACK 1 MOD. 4 50-XI-P50004B	CPU RACK 1 MOD. 4 50-XA-P50004B	CPU RACK 1 MOD. 4 SPARE	CPU RACK 1 MOD. 4 SPARE	CPU RACK 1 MOD. 4 SPARE	CPU RACK 1 MOD. 4 SPARE	CPU RACK 1 MOD. 4 SPARE	CPU RACK 1 MOD. 4 SPARE	CPU RACK 1 MOD. 4
Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3	Name: 160DI4 Sheet: 160.3
HP PUMP RUN STATUS	HP PUMP AVAILABLE STATUS	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 4

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

SCALE : --

A3

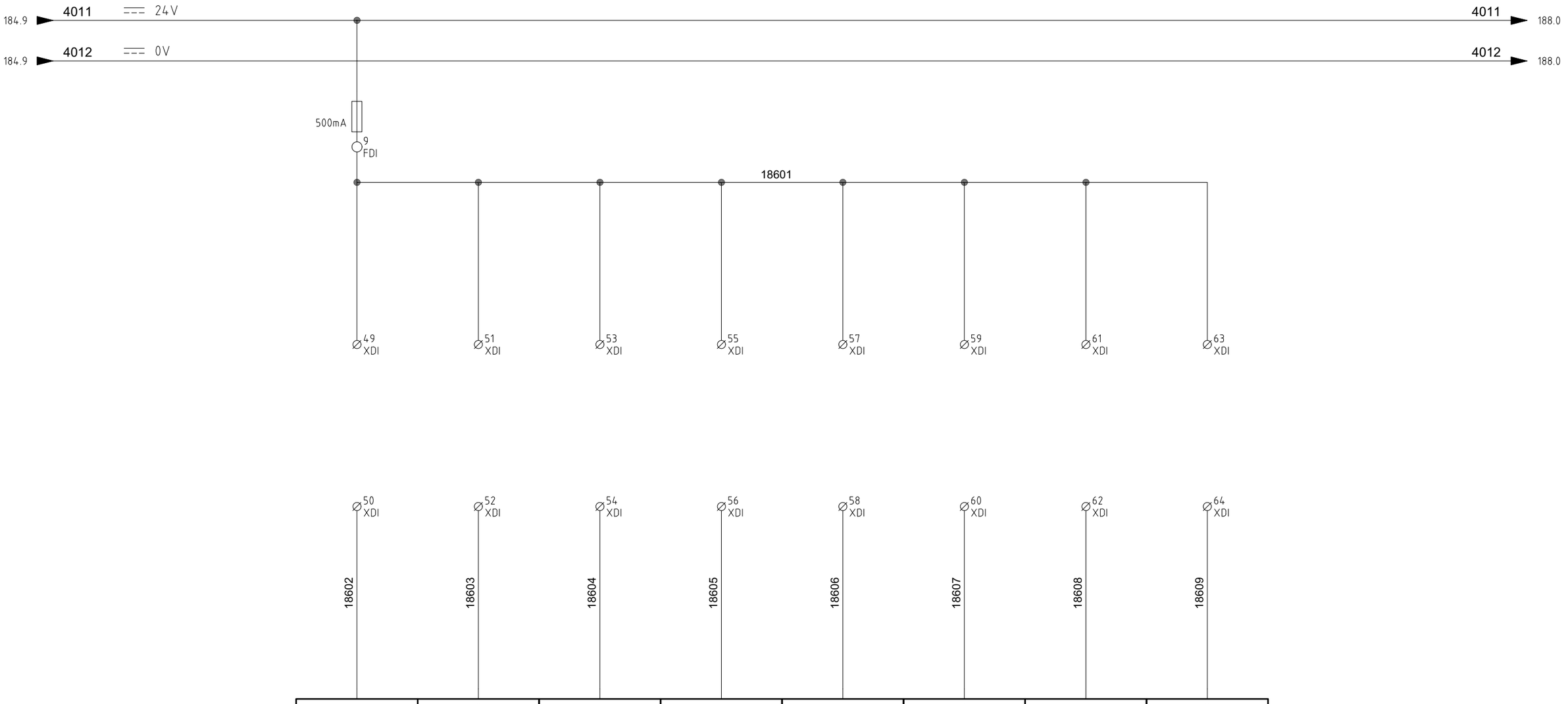
DRAWING NO. 1724000448-IN-DG-00014

SHEET 184

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



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 RACK 1 MOD. 5 50-XI-P50005A	CPU RACK 1 MOD. 5 50-XA-P50005A	CPU RACK 1 MOD. 5 50-XI-P50006A	CPU RACK 1 MOD. 5 50-XA-P50006A	CPU RACK 1 MOD. 5 50-XI-P50007A	CPU RACK 1 MOD. 5 50-XA-P50007A	CPU RACK 1 MOD. 5 50-XI-P50008A	CPU RACK 1 MOD. 5 50-XA-P50008A
Name: 160DI5 Sheet: 160.4	Name: 160DI5 Sheet: 160.4	Name: 160DI5 Sheet: 160.4	Name: 160DI5 Sheet: 160.4	Name: 160DI5 Sheet: 160.4	Name: 160DI5 Sheet: 160.4	Name: 160DI5 Sheet: 160.4	Name: 160DI5 Sheet: 160.4
CAUSTIC SODA DOSING PUMP RUN STATUS	CAUSTIC SODA DOSING PUMP AVAILABLE STATUS	ANTISCALANT DOSING PUMP RUN STATUS	ANTISCALANT DOSING PUMP AVAILABLE STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - CONTAINER INLET RUN STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - CONTAINER INLET AVAILABLE STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - SEA WATER INTAKE RUN STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - SEA WATER INTAKE AVAILABLE STATUS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 5

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

SCALE : --

A3

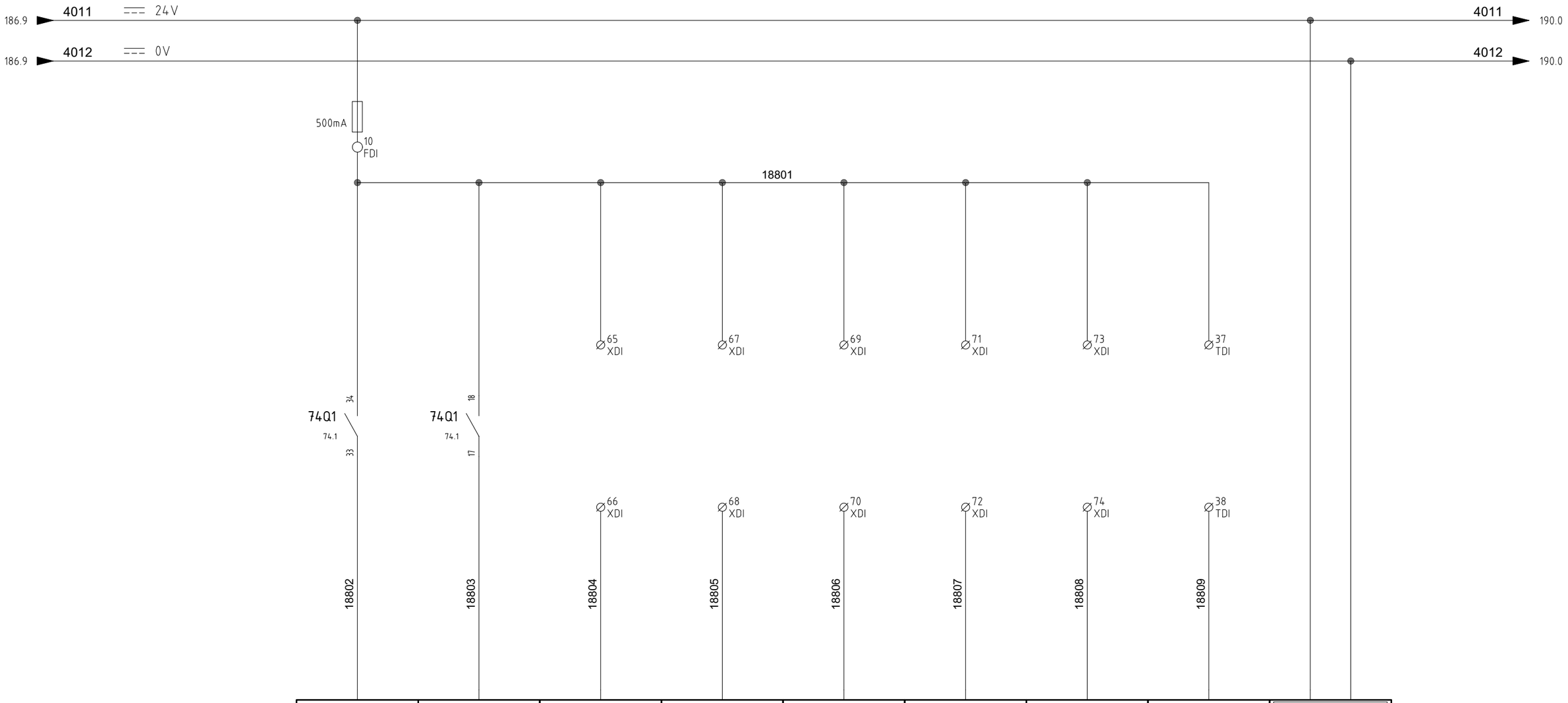
DRAWING NO. 1724000448-IN-DG-00014

SHEET 186

REV. 00

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



9	10	11	12	13	14	15	16	L+ M
I9.0	I9.1	I9.2	I9.3	I9.4	I9.5	I9.6	I9.7	
CPU RACK 1 MOD. 5 50-XI-P50009A	CPU RACK 1 MOD. 5 50-XA-P50009A	CPU RACK 1 MOD. 5 50-XI-P50010A	CPU RACK 1 MOD. 5 50-XA-P50010A	CPU RACK 1 MOD. 5 50-XA-S50001	CPU RACK 1 MOD. 5 50-XS-S50004	CPU RACK 1 MOD. 5 50-XA-026	CPU RACK 1 MOD. 5 SPARE	CPU RACK 1 MOD. 5
Name: 160DI5 / Sheet: 160.4	Name: 160DI5 / Sheet: 160.4	Name: 160DI5 / Sheet: 160.4	Name: 160DI5 / Sheet: 160.4	Name: 160DI5 / Sheet: 160.4	Name: 160DI5 / Sheet: 160.4	Name: 160DI5 / Sheet: 160.4	Name: 160DI5 / Sheet: 160.4	Name: 160DI5 / Sheet: 160.4
FRESH WATER PUMP RUN STATUS	FRESH WATER PUMP AVAILABLE STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - WASTE WATER TANK RUN STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - WASTE WATER TANK AVAILABLE STATUS	SAND FILTER CUMULATIVE ALARM	SOFTENING FILTER REGENERATION IN PROGRESS	FRESH WATER ANALYZER FAULT	SPARE	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 5

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

SCALE : --

A3

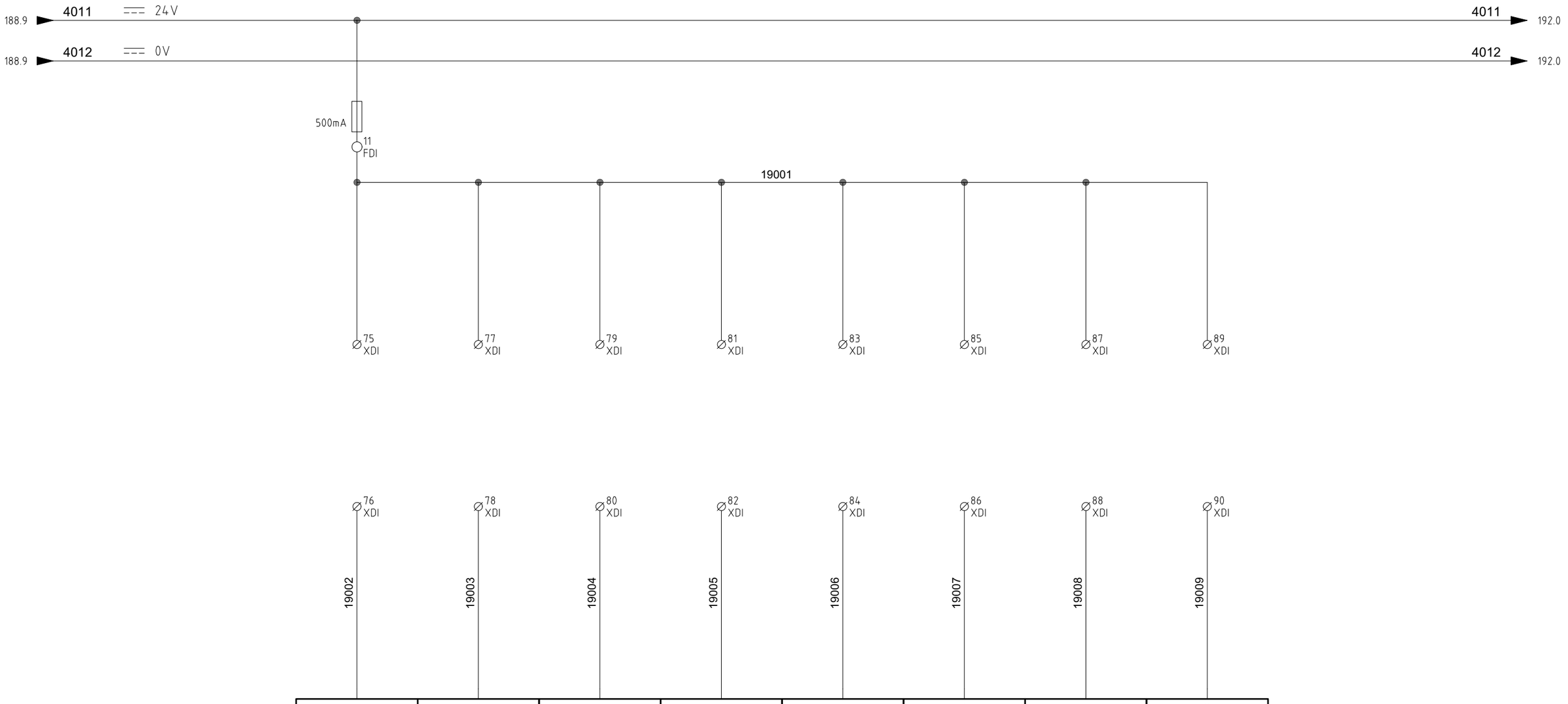
DRAWING NO. 1724000448-IN-DG-00014

SHEET 188

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



1	2	3	4	5	6	7	8
I10.0	I10.1	I10.2	I10.3	I10.4	I10.5	I10.6	I10.7
CPU RACK 1 MOD. 6 50-XI-P50005B	CPU RACK 1 MOD. 6 50-XA-P50005B	CPU RACK 1 MOD. 6 50-XI-P50006B	CPU RACK 1 MOD. 6 50-XA-P50006B	CPU RACK 1 MOD. 6 50-XI-P50007B	CPU RACK 1 MOD. 6 50-XA-P50007B	CPU RACK 1 MOD. 6 50-XI-P50008B	CPU RACK 1 MOD. 6 50-XA-P50008B
Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4
CAUSTIC SODA DOSING PUMP RUN STATUS	CAUSTIC SODA DOSING PUMP AVAILABLE STATUS	ANTISCALANT DOSING PUMP RUN STATUS	ANTISCALANT DOSING PUMP AVAILABLE STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - CONTAINER INLET RUN STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - CONTAINER INLET AVAILABLE STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - SEA WATER INTAKE RUN STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - SEA WATER INTAKE AVAILABLE STATUS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 6

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

SCALE : --

A3

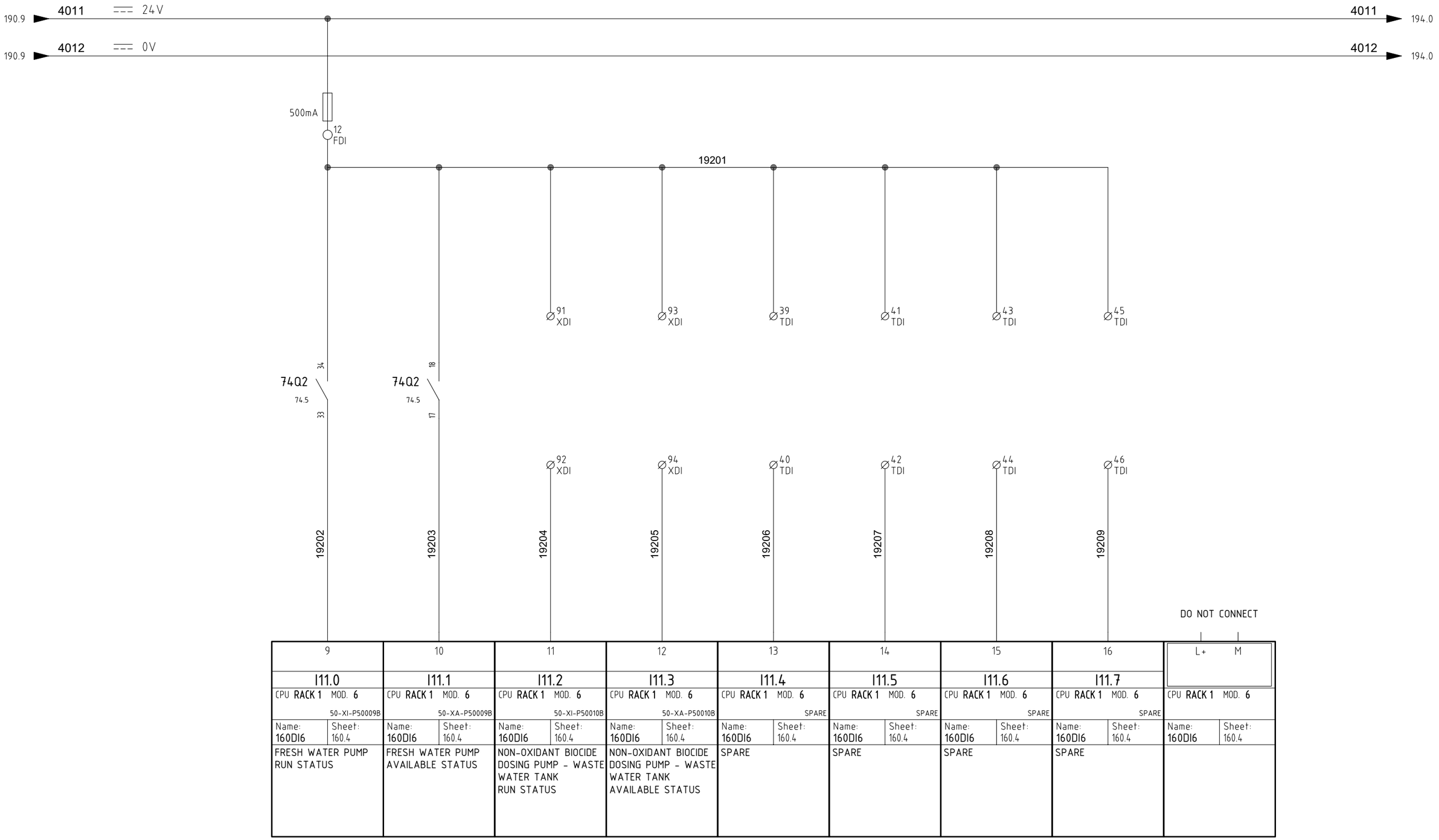
DRAWING NO. 1724000448-IN-DG-00014

SHEET 190

REV. 00

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



9	10	11	12	13	14	15	16	
I11.0	I11.1	I11.2	I11.3	I11.4	I11.5	I11.6	I11.7	L+ M
CPU RACK 1 MOD. 6 50-XI-P50009B	CPU RACK 1 MOD. 6 50-XA-P50009B	CPU RACK 1 MOD. 6 50-XI-P50010B	CPU RACK 1 MOD. 6 50-XA-P50010B	CPU RACK 1 MOD. 6 SPARE	CPU RACK 1 MOD. 6 SPARE	CPU RACK 1 MOD. 6 SPARE	CPU RACK 1 MOD. 6 SPARE	CPU RACK 1 MOD. 6
Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4	Name: 160DI6 Sheet: 160.4
FRESH WATER PUMP RUN STATUS	FRESH WATER PUMP AVAILABLE STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - WASTE WATER TANK RUN STATUS	NON-OXIDANT BIOCIDE DOSING PUMP - WASTE WATER TANK AVAILABLE STATUS	SPARE	SPARE	SPARE	SPARE	

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 6

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

SCALE : --

A3

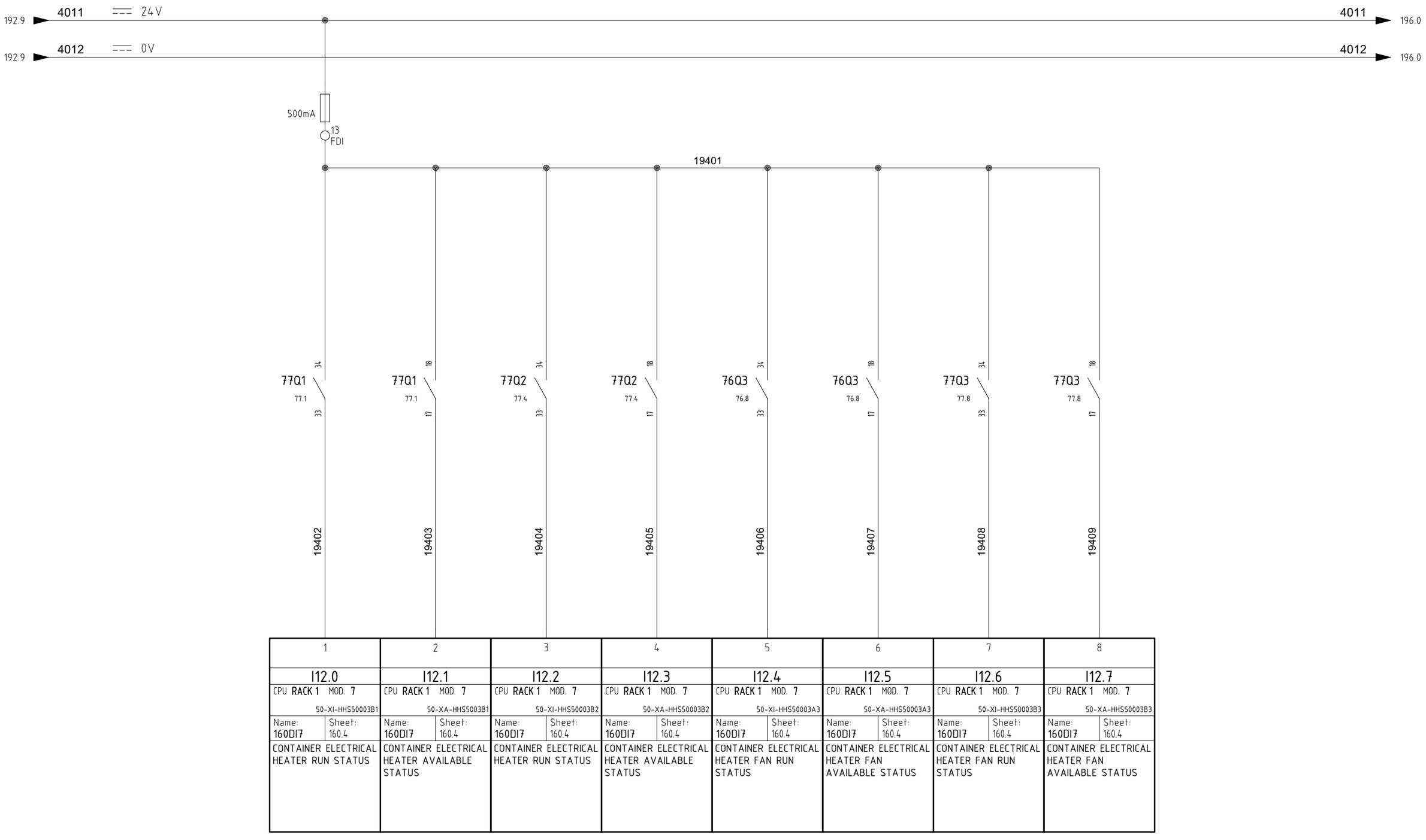
DRAWING NO. 1724000448-IN-DG-00014

SHEET 192

REV. 02

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



1	2	3	4	5	6	7	8
I12.0	I12.1	I12.2	I12.3	I12.4	I12.5	I12.6	I12.7
CPU RACK 1 MOD. 7 50-XI-HHS50003B1	CPU RACK 1 MOD. 7 50-XA-HHS5003B1	CPU RACK 1 MOD. 7 50-XI-HHS50003B2	CPU RACK 1 MOD. 7 50-XA-HHS50003B2	CPU RACK 1 MOD. 7 50-XI-HHS50003A3	CPU RACK 1 MOD. 7 50-XA-HHS50003A3	CPU RACK 1 MOD. 7 50-XI-HHS50003B3	CPU RACK 1 MOD. 7 50-XA-HHS50003B3
Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4
CONTAINER ELECTRICAL HEATER RUN STATUS	CONTAINER ELECTRICAL HEATER AVAILABLE STATUS	CONTAINER ELECTRICAL HEATER RUN STATUS	CONTAINER ELECTRICAL HEATER AVAILABLE STATUS	CONTAINER ELECTRICAL HEATER FAN RUN STATUS	CONTAINER ELECTRICAL HEATER FAN AVAILABLE STATUS	CONTAINER ELECTRICAL HEATER FAN RUN STATUS	CONTAINER ELECTRICAL HEATER FAN AVAILABLE STATUS

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 7

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

SCALE : --

A3

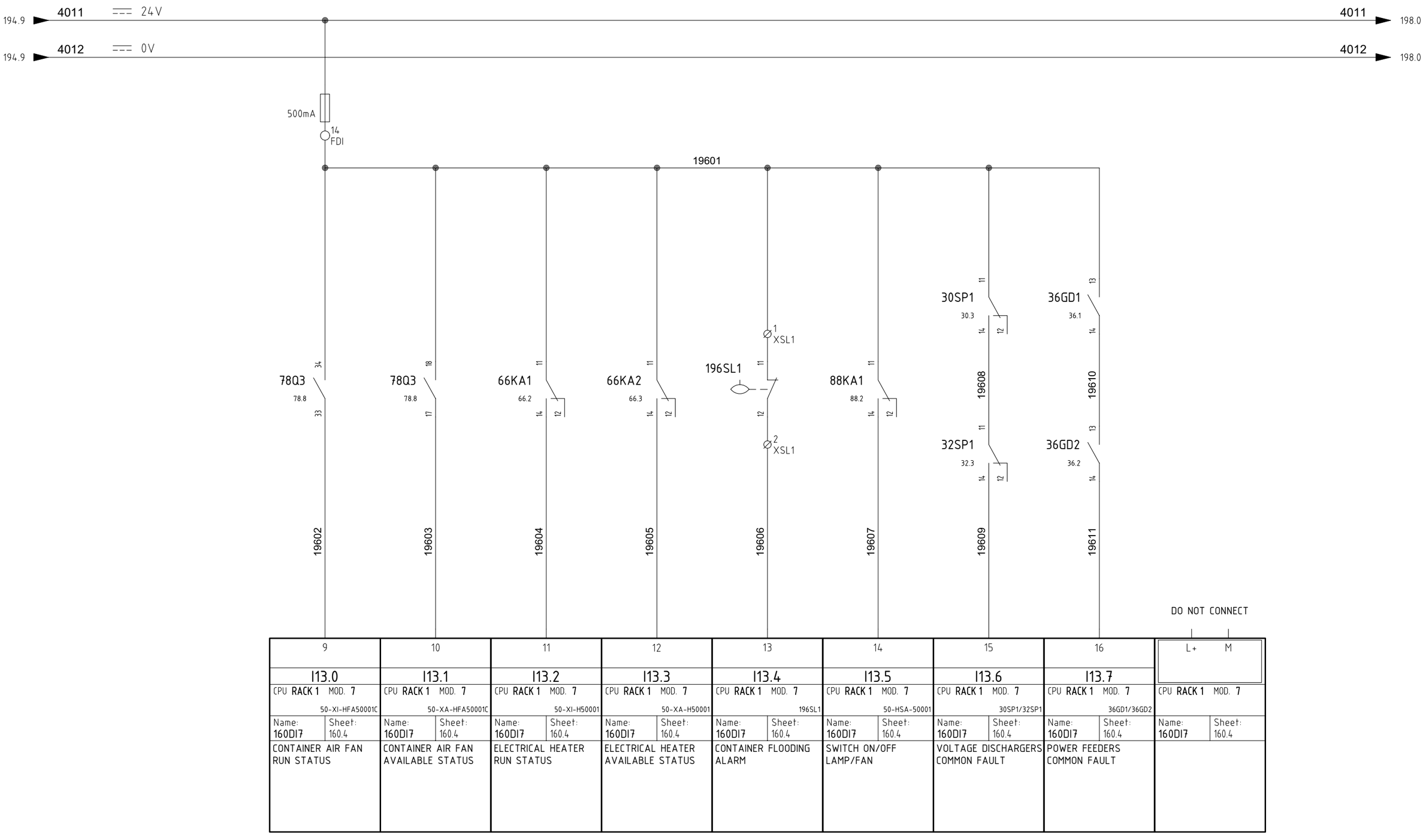
DRAWING NO. 1724000448-IN-DG-00014

SHEET 194

REV. 02

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



9	10	11	12	13	14	15	16	
I13.0	I13.1	I13.2	I13.3	I13.4	I13.5	I13.6	I13.7	
CPU RACK 1 MOD. 7 50-XI-HFA50001C	CPU RACK 1 MOD. 7 50-XA-HFA50001C	CPU RACK 1 MOD. 7 50-XI-H50001	CPU RACK 1 MOD. 7 50-XA-H50001	CPU RACK 1 MOD. 7 196SL1	CPU RACK 1 MOD. 7 50-HSA-50001	CPU RACK 1 MOD. 7 30SP1/32SP1	CPU RACK 1 MOD. 7 36GD1/36GD2	CPU RACK 1 MOD. 7
Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4	Name: 160DI7 / Sheet: 160.4
CONTAINER AIR FAN RUN STATUS	CONTAINER AIR FAN AVAILABLE STATUS	ELECTRICAL HEATER RUN STATUS	ELECTRICAL HEATER AVAILABLE STATUS	CONTAINER FLOODING ALARM	SWITCH ON/OFF LAMP/FAN	VOLTAGE DISCHARGERS COMMON FAULT	POWER FEEDERS COMMON FAULT	

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 7

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 196

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

196.9 4011 ⎓ 24V → 4011 200.0

196.9 4012 ⎓ 0V → 4012 200.0

500mA

15
FDI

19801

95 XDI — 97 XDI — 99 XDI — 101 XDI — 103 XDI — 105 XDI — 47 TDI — 49 TDI

96 XDI — 98 XDI — 100 XDI — 102 XDI — 104 XDI — 106 XDI — 48 TDI — 50 TDI

19802 19803 19804 19805 19806 19807 19808 19809

1	2	3	4	5	6	7	8
I14.0	I14.1	I14.2	I14.3	I14.4	I14.5	I14.6	I14.7
CPU RACK 1 MOD. 8 50-XZSH-033	CPU RACK 1 MOD. 8 50-XZSL-033	CPU RACK 1 MOD. 8 50-XZSH-034	CPU RACK 1 MOD. 8 50-XZSL-034	CPU RACK 1 MOD. 8 50-XZSH-035	CPU RACK 1 MOD. 8 50-XZSL-035	CPU RACK 1 MOD. 8 SPARE	CPU RACK 1 MOD. 8 SPARE
Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5
SEAWATER DRAIN FROM H-50001 VALVE OPEN	SEAWATER DRAIN FROM H-50001 VALVE CLOSED	SEAWATER DRAIN FROM T-50006 VALVE OPEN	SEAWATER DRAIN FROM T-50006 VALVE CLOSED	FRESH WATER FROM T-50008 DRAIN VALVE OPEN	FRESH WATER FROM T-50008 DRAIN VALVE CLOSED	SPARE	SPARE

PSC DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 8

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 198

REV. 03

F.to UNI A3: 420mmx297mm

File Name : PK2885_4

198.9 4011 ⎓ 24V → 4011 /./

198.9 4012 ⎓ 0V → 4012 /./

500mA

16 FDI

20001

51 TDI — 53 TDI — 55 TDI — 57 TDI — 59 TDI — 61 TDI — 63 TDI — 65 TDI

52 TDI — 54 TDI — 56 TDI — 58 TDI — 60 TDI — 62 TDI — 64 TDI — 66 TDI

20002 — 20003 — 20004 — 20005 — 20006 — 20007 — 20008 — 20009

DO NOT CONNECT

9	10	11	12	13	14	15	16	L+ M
I15.0	I15.1	I15.2	I15.3	I15.4	I15.5	I15.6	I15.7	
CPU RACK 1 MOD. 8 SPARE	CPU RACK 1 MOD. 8 SPARE	CPU RACK 1 MOD. 8 SPARE	CPU RACK 1 MOD. 8 SPARE	CPU RACK 1 MOD. 8 SPARE	CPU RACK 1 MOD. 8 SPARE	CPU RACK 1 MOD. 8 SPARE	CPU RACK 1 MOD. 8 SPARE	CPU RACK 1 MOD. 8
Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5	Name: 160DI8 Sheet: 160.5
SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL INPUT RACK 1 SLOT 8

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

A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 200 | REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

P-50003A SUCTION VALVE COMMAND	P-50003A FLUSHING VALVE COMMAND	SW BOOSTER PUMP START/STOP COMMAND	SEAWATER INLET VALVE COMMAND	SEAWATER COARSE FILTER REGENERATION COMMAND	SPARE	SOFTENING FILTER REGENERATION COMMAND	UV STERILIZER START/STOP COMMAND
Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5
CPU RACK 1 MOD. 9	CPU RACK 1 MOD. 9	CPU RACK 1 MOD. 9	CPU RACK 1 MOD. 9	CPU RACK 1 MOD. 9	CPU RACK 1 MOD. 9	CPU RACK 1 MOD. 9	CPU RACK 1 MOD. 9
50-XY-021	50-XY-023	50-HS-P50003A	50-XY-020	50-HS-A50003	SPARE	50-HS-S50004	50-HS-S50010
Q0.0	Q0.1	Q0.2	Q0.3	Q0.4	Q0.5	Q0.6	Q0.7
1	2	3	4	5	6	7	8

4

40.7 4013 ⎓ 24V 4013 212.0

21001 21002 21003 21004 21005 21006 21007 21008

210KA1 210KA2 210KA3 210KA4 210KA5 210KA6 210KA7 210KA8

40.8 4014 ⎓ 0V 4014 212.0

300.0 300.1 300.3 300.4 300.5 300.6 300.7 90.1 90.1

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL OUTPUT RACK 1 SLOT 9

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

A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 210 | REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

FAULT	FRESH WATER FROM A-50007A/B VALVE COMMAND	FRESH WATER DRAIN FROM A-50007A/B VALVE COMMAND	BRINE FROM A-50007A VALVE COMMAND	FRESH WATER OUTLET VALVE COMMAND	SPARE	SPARE	SPARE	
Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5	Name: 160DO1 Sheet: 160.5
CPU RACK 1 MOD. 9 50-XA-003	CPU RACK 1 MOD. 9 50-XY-025	CPU RACK 1 MOD. 9 50-XY-026	CPU RACK 1 MOD. 9 50-XY-027	CPU RACK 1 MOD. 9 50-X-031	CPU RACK 1 MOD. 9 SPARE	CPU RACK 1 MOD. 9 SPARE	CPU RACK 1 MOD. 9 SPARE	CPU RACK 1 MOD. 9
Q1.0	Q1.1	Q1.2	Q1.3	Q1.4	Q1.5	Q1.6	Q1.7	
9	10	11	12	13	14	15	16	L+ M

210.9 4013 24V 4013 214.0

21201 21202 21203 21204 21205 21206 21207 21208

212KA1 212KA2 212KA3 212KA4 212KA5 212KA6 212KA7 212KA8

4

210.9 4014 0V 4014 214.0

302.0 302.1 302.3 302.4 302.4 302.5 302.5 302.6 302.7 302.8

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL OUTPUT RACK 1 SLOT 9

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 212

REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

P-50003B FLUSHING VALVE COMMAND	P-50003B SUCTION VALVE COMMAND	SW BOOSTER PUMP START/STOP COMMAND	BACKWASH PUMP START/STOP COMMAND	HP PUMP START/STOP COMMAND	CAUSTIC SODA DOSING PUMP START/STOP COMMAND	ANTISCALANT DOSING PUMP START/STOP COMMAND	NON-OXIDANT BIOCIDE DOSING PUMP - CONTAINER INLET START/STOP COMMAND
Name: 160DO2 Sheet: 160.5	Name: 160DO2 Sheet: 160.5	Name: 160DO2 Sheet: 160.5	Name: 160DO2 Sheet: 160.5	Name: 160DO2 Sheet: 160.5	Name: 160DO2 Sheet: 160.5	Name: 160DO2 Sheet: 160.5	Name: 160DO2 Sheet: 160.5
CPU RACK 1 MOD. 10	CPU RACK 1 MOD. 10	CPU RACK 1 MOD. 10	CPU RACK 1 MOD. 10	CPU RACK 1 MOD. 10	CPU RACK 1 MOD. 10	CPU RACK 1 MOD. 10	CPU RACK 1 MOD. 10
50-XY-024	50-XY-022	50-HS-P50003B	50-HS-P50002A	50-HS-P50004A	50-HS-P50005A	50-HS-P50006A	50-HS-P50007A
Q2.0	Q2.1	Q2.2	Q2.3	Q2.4	Q2.5	Q2.6	Q2.7
1	2	3	4	5	6	7	8

212.9 4013 ⎓ 24V 4013 216.0

21401 21402 21403 21404 21405 21406 21407 21408

214KA1 214KA2 214KA3 214KA4 214KA5 214KA6 214KA7 214KA8

212.9 4014 ⎓ 0V 4014 216.0

304.0 304.1 304.3 304.4 304.5 304.6 304.7 304.8

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL OUTPUT RACK 1 SLOT 10

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

A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 214 | REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

NON-OXIDANT BIOCIDE DOSING PUMP - SEA WATER INTAKE START/STOP COMMAND	FRESH WATER PUMP START/STOP COMMAND	NON-OXIDANT BIOCIDE DOSING PUMP - WASTE WATER TANK START/STOP COMMAND	CONTAINER ELECTRICAL HEATER START/STOP COMMAND	CONTAINER AIR FAN START/STOP COMMAND	FRESH WATER OFF-SPEC VALVE COMMAND	SPARE	SPARE	
Name: 160DO2 / Sheet: 160.5	Name: 160DO2 / Sheet: 160.5	Name: 160DO2 / Sheet: 160.5	Name: 160DO2 / Sheet: 160.5	Name: 160DO2 / Sheet: 160.5	Name: 160DO2 / Sheet: 160.5	Name: 160DO2 / Sheet: 160.5	Name: 160DO2 / Sheet: 160.5	Name: 160DO2 / Sheet: 160.5
CPU **RACK 1** MOD. **10**	CPU **RACK 1** MOD. **10**	CPU **RACK 1** MOD. **10**	CPU **RACK 1** MOD. **10**	CPU **RACK 1** MOD. **10**	CPU **RACK 1** MOD. **10**	CPU **RACK 1** MOD. **10**	CPU **RACK 1** MOD. **10**	CPU **RACK 1** MOD. **10**
50-HS-P50008A	50-HS-P50009A	50-HS-P50010A	50-HS-HHS50003A	50-HS-HFA50001A	50-XY-032	SPARE	SPARE	
Q3.0	Q3.1	Q3.2	Q3.3	Q3.4	Q3.5	Q3.6	Q3.7	
9	10	11	12	13	14	15	16	L+ M

DO NOT CONNECT

214.9 **4013** ⎓ 24V → **4013** 218.0

21601 21602 21603 21604 21605 21606 21607 21608

216KA1 A1/A2 216KA2 A1/A2 216KA3 A1/A2 216KA4 A1/A2 216KA5 A1/A2 216KA6 A1/A2 216KA7 A1/A2 216KA8 A1/A2

214.9 **4014** ⎓ 0V → **4014** 218.0

306.0 11 12/14 306.1 11 12/14 306.3 11 12/14 306.4 11 12/14 306.5 11 12/14 306.6 11 12/14 306.7 11 12/14 306.8 11 12/14

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL OUTPUT RACK 1 SLOT 10

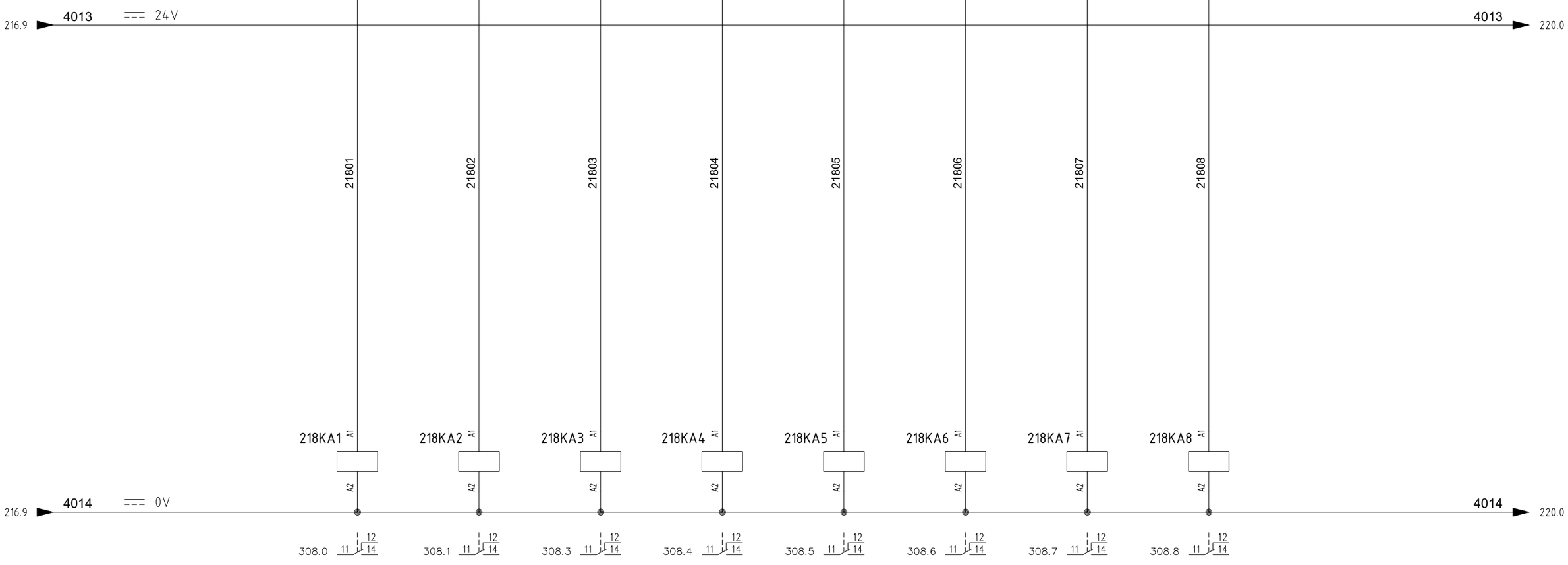
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : --

A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 216 | REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

SPARE	SPARE	BRINE FROM A-50007B VALVE COMMAND	BACKWASH PUMP START/STOP COMMAND	HP PUMP START/STOP COMMAND	CAUSTIC SODA DOSING PUMP START/STOP COMMAND	ANTISCALANT DOSING PUMP START/STOP COMMAND	NON-OXIDANT BIOCIDE DOSING PUMP - CONTAINER INLET START/STOP COMMAND
Name: 160DO3 Sheet: 160.5	Name: 160DO3 Sheet: 160.5	Name: 160DO3 Sheet: 160.5	Name: 160DO3 Sheet: 160.5	Name: 160DO3 Sheet: 160.5	Name: 160DO3 Sheet: 160.5	Name: 160DO3 Sheet: 160.5	Name: 160DO3 Sheet: 160.5
CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11
SPARE	SPARE	50-XY-030	50-HS-P50002B	50-HS-P50004B	50-HS-P50005B	50-HS-P50006B	50-HS-P50007B
Q4.0	Q4.1	Q4.2	Q4.3	Q4.4	Q4.5	Q4.6	Q4.7
1	2	3	4	5	6	7	8



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL OUTPUT RACK 1 SLOT 11

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 218

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

NON-OXIDANT BIOCIDE DOSING PUMP - SEA WATER INTAKE START/STOP COMMAND	FRESH WATER PUMP START/STOP COMMAND	NON-OXIDANT BIOCIDE DOSING PUMP - WASTE WATER TANK START/STOP COMMAND	CONTAINER ELECTRICAL HEATER START/STOP COMMAND	CONTAINER AIR FAN START/STOP COMMAND	SPARE	SPARE	SPARE	
Name: 160D03 Sheet: 160.5	Name: 160D03 Sheet: 160.5	Name: 160D03 Sheet: 160.5	Name: 160D03 Sheet: 160.5	Name: 160D03 Sheet: 160.5	Name: 160D03 Sheet: 160.5	Name: 160D03 Sheet: 160.5	Name: 160D03 Sheet: 160.5	Name: 160D03 Sheet: 160.5
CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11	CPU RACK 1 MOD. 11
50-HS-P50008B	50-HS-P50009B	50-HS-P50010B	50-HS-HHS50003B	50-HS-HFA50001B	SPARE	SPARE	SPARE	
Q5.0	Q5.1	Q5.2	Q5.3	Q5.4	Q5.5	Q5.6	Q5.7	
9	10	11	12	13	14	15	16	L+ M

DO NOT CONNECT

218.9 4013 ⎓ 24V 4013 222.0

22001 22002 22003 22004 22005 22006 22007 22008

220KA1 A1 A2 220KA2 A1 A2 220KA3 A1 A2 220KA4 A1 A2 220KA5 A1 A2 220KA6 A1 A2 220KA7 A1 A2 220KA8 A1 A2

218.9 4014 ⎓ 0V 4014 222.0

310.0 11 12 14 310.1 11 12 14 310.3 11 12 14 310.4 11 12 14 310.5 11 12 14 310.6 11 12 14 310.7 11 12 14 310.8 11 12 14

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL OUTPUT RACK 1 SLOT 11

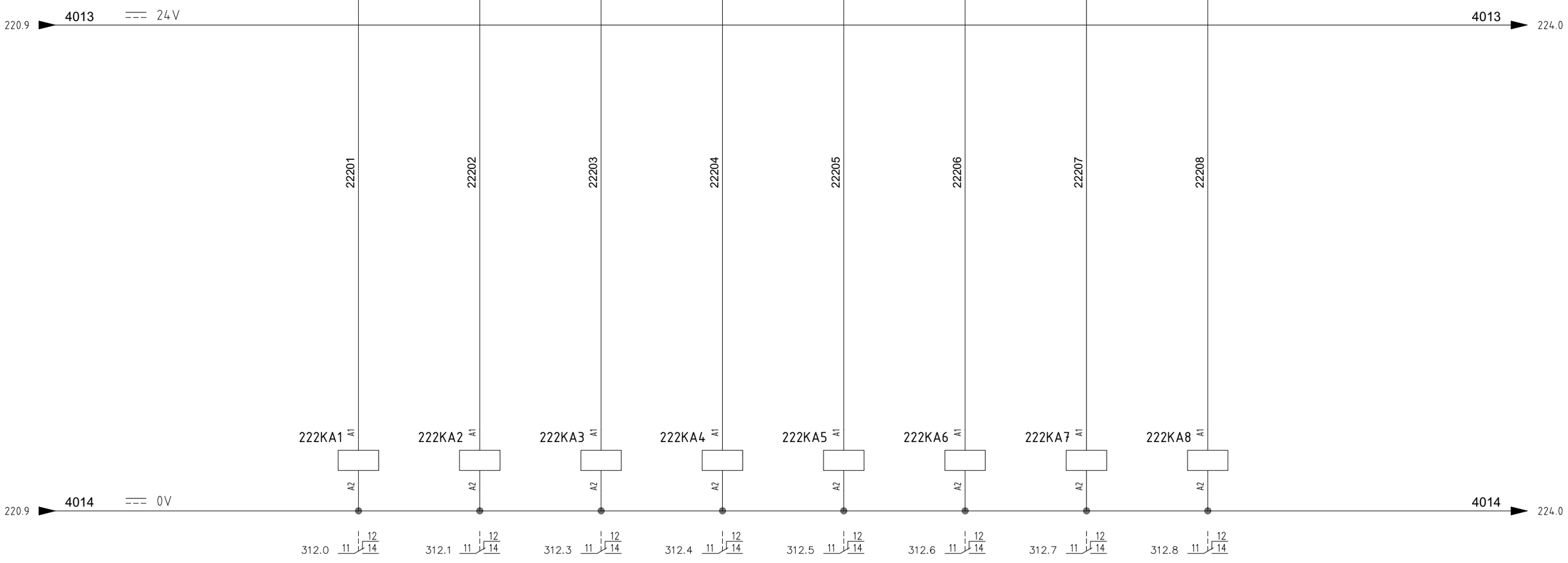
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : --

A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 220 | REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

CONTAINER ELECTRICAL HEATER START/STOP COMMAND		CONTAINER ELECTRICAL HEATER START/STOP COMMAND		CONTAINER ELECTRICAL HEATER FAN START/STOP COMMAND		CONTAINER ELECTRICAL HEATER FAN START/STOP COMMAND		CONTAINER AIR FAN START/STOP COMMAND		SPARE		SPARE		SPARE	
Name: 160DO4	Sheet: 160.6	Name: 160DO4	Sheet: 160.6	Name: 160DO4	Sheet: 160.6	Name: 160DO4	Sheet: 160.6	Name: 160DO4	Sheet: 160.6	Name: 160DO4	Sheet: 160.6	Name: 160DO4	Sheet: 160.6	Name: 160DO4	Sheet: 160.6
CPU RACK 1 MOD. 12		CPU RACK 1 MOD. 12		CPU RACK 1 MOD. 12		CPU RACK 1 MOD. 12		CPU RACK 1 MOD. 12		CPU RACK 1 MOD. 12		CPU RACK 1 MOD. 12		CPU RACK 1 MOD. 12	
50-HS-HHS50003B1		50-HS-HHS50003B2		50-HS-HHS50003A3		50-HS-HHS50003B3		50-HS-HFA50001C		SPARE		SPARE		SPARE	
Q6.0		Q6.1		Q6.2		Q6.3		Q6.4		Q6.5		Q6.6		Q6.7	
1		2		3		4		5		6		7		8	



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL OUTPUT RACK 1 SLOT 12

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 222

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

SEAWATER DRAIN FROM H-50001 VALVE COMMAND	SEAWATER DRAIN FROM T-50006 VALVE COMMAND	FRESH WATER DRAIN FROM T-50008 VALVE COMMAND	FRESH WATER ANALYZER COMMAND	SPARE	SPARE	SPARE	SPARE	
Name: 160DO4 Sheet: 160.6	Name: 160DO4 Sheet: 160.6	Name: 160DO4 Sheet: 160.6	Name: 160DO4 Sheet: 160.6	Name: 160DO4 Sheet: 160.6	Name: 160DO4 Sheet: 160.6	Name: 160DO4 Sheet: 160.6	Name: 160DO4 Sheet: 160.6	Name: 160DO4 Sheet: 160.6
CPU RACK 1 MOD. 12	CPU RACK 1 MOD. 12	CPU RACK 1 MOD. 12	CPU RACK 1 MOD. 12	CPU RACK 1 MOD. 12	CPU RACK 1 MOD. 12	CPU RACK 1 MOD. 12	CPU RACK 1 MOD. 12	CPU RACK 1 MOD. 12
50-XY-033	50-XY-034	50-XY-035	50-HS-026	SPARE	SPARE	SPARE	SPARE	
Q7.0	Q7.1	Q7.2	Q7.3	Q7.4	Q7.5	Q7.6	Q7.7	
9	10	11	12	13	14	15	16	L+ M

DO NOT CONNECT

222.9 4013 ⎓ 24V 4013 /./

22401 22402 22403 22404 22405 22406 22407 22408

224KA1 A1 A2 314.0 11 12 14
224KA2 A1 A2 314.1 11 12 14
224KA3 A1 A2 314.3 11 12 14
224KA4 A1 A2 314.4 11 12 14
224KA5 A1 A2 314.5 11 12 14
224KA6 A1 A2 314.6 11 12 14
224KA7 A1 A2 314.7 11 12 14
224KA8 A1 A2 314.8 11 12 14

222.9 4014 ⎓ 0V 4014 /./

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING DIGITAL OUTPUT RACK 1 SLOT 12

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

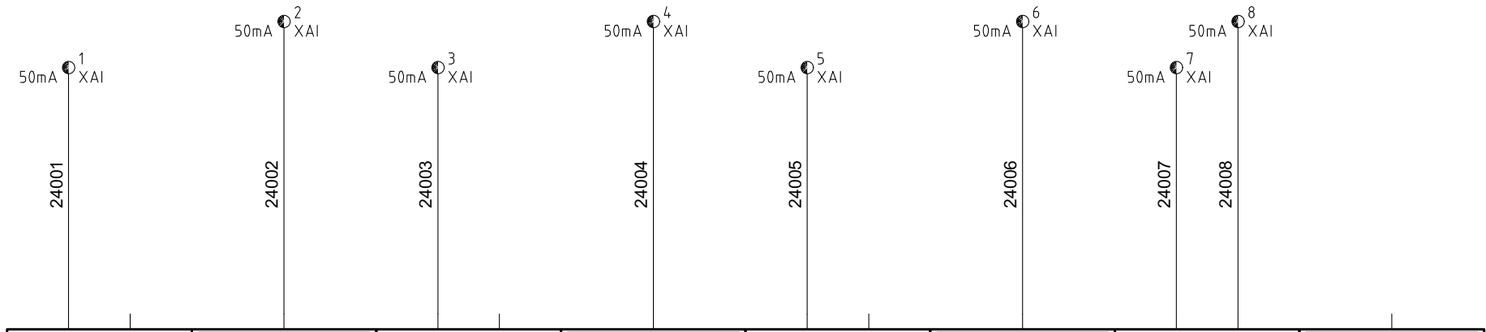
A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 224 | REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

40.1 4015 ⎓ 24V → 4015 242.0

40.2 4016 ⎓ 0V → 4016 242.0



1 9	1A	2 10	2A	3 11	3A	4 12	4A
IW64		IW66		IW68		IW70	
CPU RACK 1 MOD. 13 50-AT-023	CPU RACK 1 MOD. 13	CPU RACK 1 MOD. 13 50-AT-024	CPU RACK 1 MOD. 13	CPU RACK 1 MOD. 13 50-FT-020	CPU RACK 1 MOD. 13	CPU RACK 1 MOD. 13 50-PT-020	CPU RACK 1 MOD. 13
Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6
FILTERED SEAWATER CONDUCTIVITY TO P-50003A/B		FRESH WATER CONDUCIVITY FROM A-50007A		SEAWATER FLOW TO S-50001		SEAWATER INLET PRESSURE	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 13

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 240

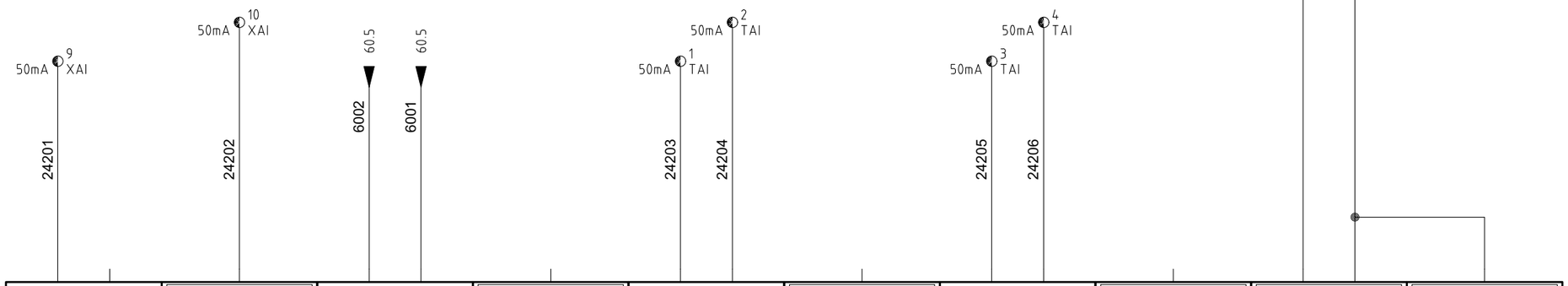
REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

240.9 4015 ⎓ 24V → 4015 244.0

240.9 4016 ⎓ 0V → 4016 244.0



5 13	5A	6 14	6A	7 15	7A	8 16	8A	L+ M	10A
IW72		IW74		IW76		IW78			
CPU RACK 1 MOD. 13 50-FT-026	CPU RACK 1 MOD. 13	CPU RACK 1 MOD. 13 50-SI-P50004A	CPU RACK 1 MOD. 13	CPU RACK 1 MOD. 13 SPARE	CPU RACK 1 MOD. 13	CPU RACK 1 MOD. 13 SPARE	CPU RACK 1 MOD. 13	CPU RACK 1 MOD. 13	CPU RACK 1 MOD. 13
Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6	Name: 160AI1 Sheet: 160.6
FRESH WATER OUTLET FLOW		HP PUMP SPEED FEEDBACK		SPARE		SPARE			

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 13

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 242

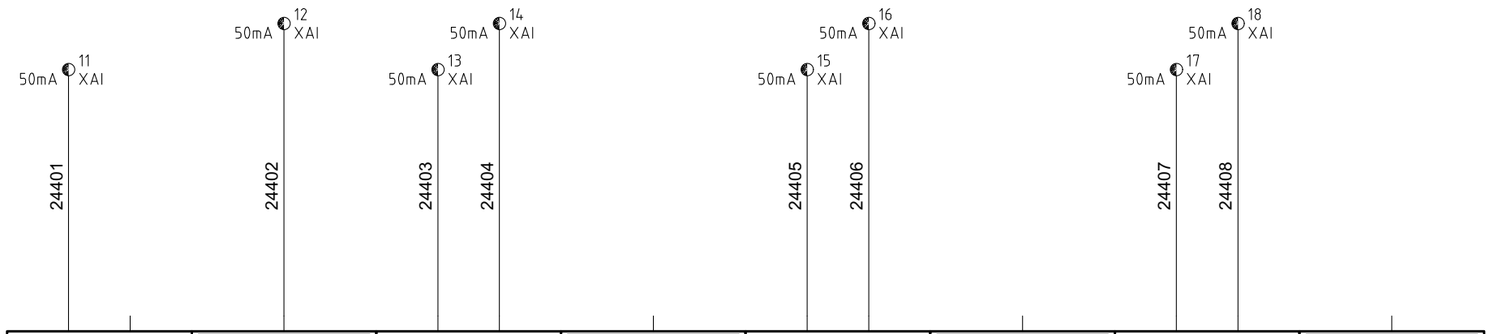
REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

242.9 4015 ⎓ 24V → 4015 246.0

242.9 4016 ⎓ 0V → 4016 246.0



1 9	1A	2 10	2A	3 11	3A	4 12	4A
IW80		IW82		IW84		IW86	
CPU RACK 1 MOD. 14 50-FT-022	CPU RACK 1 MOD. 14	CPU RACK 1 MOD. 14 50-PT-025	CPU RACK 1 MOD. 14	CPU RACK 1 MOD. 14 50-PT-026	CPU RACK 1 MOD. 14	CPU RACK 1 MOD. 14 50-PT-030	CPU RACK 1 MOD. 14
Name: 160AI2 Sheet: 160.6	Name: 160AI2 Sheet: 160.6	Name: 160AI2 Sheet: 160.6	Name: 160AI2 Sheet: 160.6	Name: 160AI2 Sheet: 160.6	Name: 160AI2 Sheet: 160.6	Name: 160AI2 Sheet: 160.6	Name: 160AI2 Sheet: 160.6
FILTERED SEAWATER FLOW FROM P-50003A		FILTERED SEAWATER PRESSURE FROM P-50003A		FILTERED SEAWATER PRESSURE TO P-50004A		FILTERED SEAWATER PRESSURE FROM P-50004A	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 14

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 244

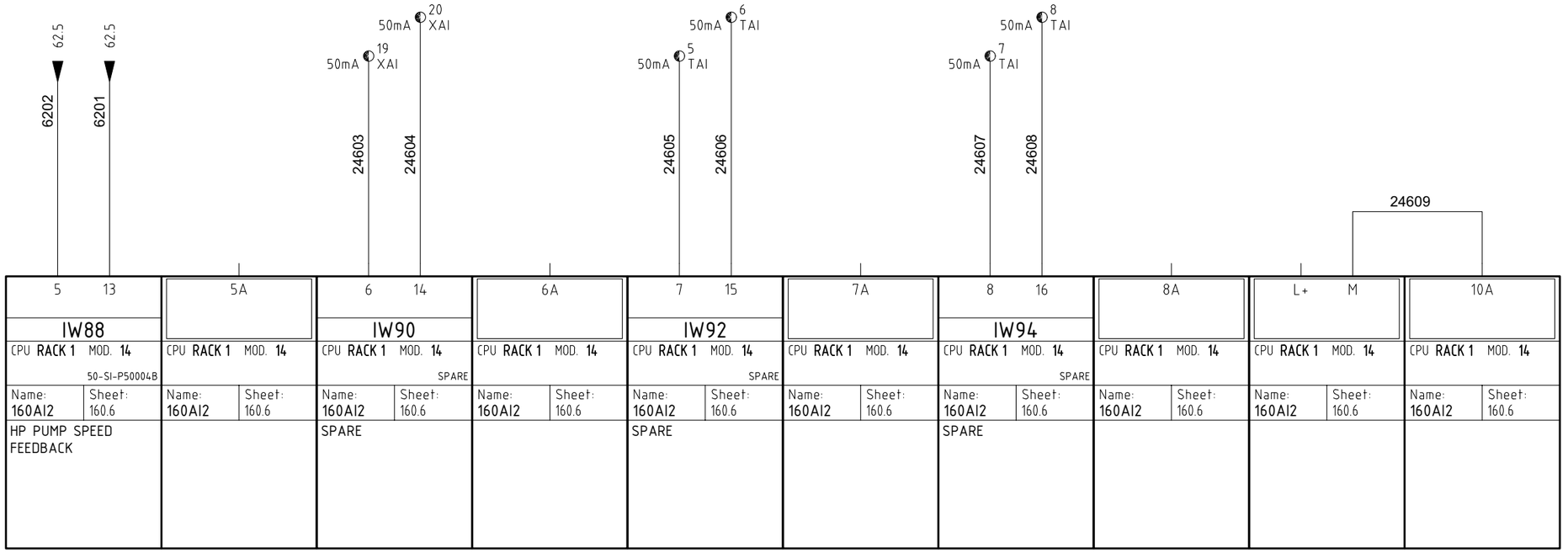
REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

244.9 4015 ⎓ 24V → 4015 248.0

244.9 4016 ⎓ 0V → 4016 248.0



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 14

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 246

REV. 03

DOC. REF: PK2885-A-002

CROSSWIND

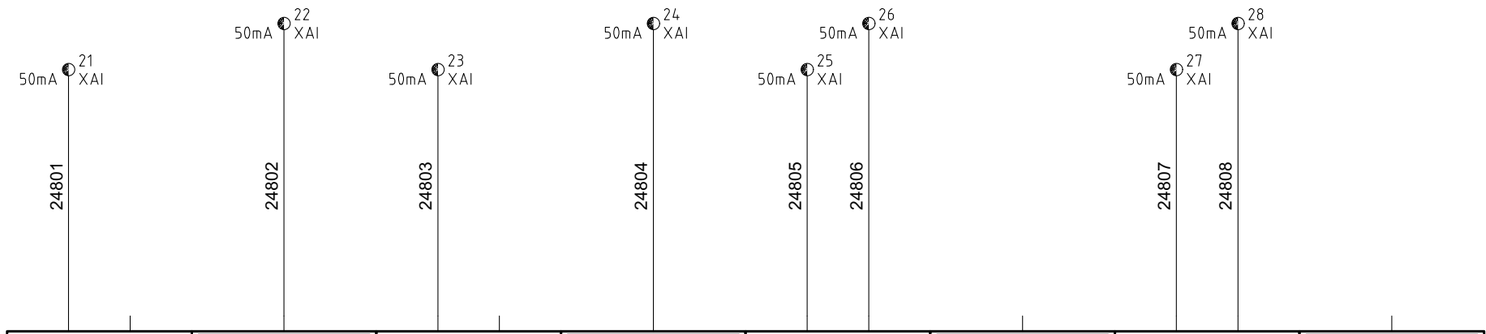
ROSETTI MARINO

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

246.9 4015 ⎓ 24V → 4015 250.0

246.9 4016 ⎓ 0V → 4016 250.0



1 9	1A	2 10	2A	3 11	3A	4 12	4A
IW96		IW98		IW100		IW102	
CPU RACK 1 MOD. 15 50-FT-023	CPU RACK 1 MOD. 15	CPU RACK 1 MOD. 15 50-FT-024	CPU RACK 1 MOD. 15	CPU RACK 1 MOD. 15 50-PT-027	CPU RACK 1 MOD. 15	CPU RACK 1 MOD. 15 50-PT-028	CPU RACK 1 MOD. 15
Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6
FILTERED SEAWATER FLOW FROM P-50003B		FRESH WATER FLOW FROM A-50007A/B		FILTERED SEAWATER PRESSURE FROM P-50003B		FILTERED SEAWATER PRESSURE TO P-50004B	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 15

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

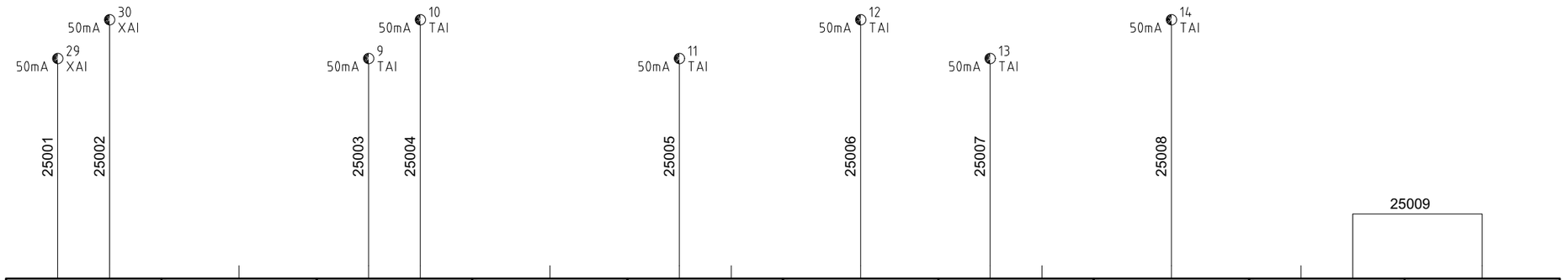
A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 248 | REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

248.9 4015 ⎓ 24V → 4015 252.0

248.9 4016 ⎓ 0V → 4016 252.0



5 13	5A	6 14	6A	7 15	7A	8 16	8A	L+ M	10A
IW104		IW106		IW108		IW110			
CPU RACK 1 MOD. 15 50-PT-032	CPU RACK 1 MOD. 15	CPU RACK 1 MOD. 15 SPARE	CPU RACK 1 MOD. 15	CPU RACK 1 MOD. 15 SPARE	CPU RACK 1 MOD. 15	CPU RACK 1 MOD. 15 SPARE	CPU RACK 1 MOD. 15	CPU RACK 1 MOD. 15	CPU RACK 1 MOD. 15
Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6	Name: 160AI3 Sheet: 160.6
FILTERED SEAWATER PRESSURE FROM P-50004B		SPARE		SPARE		SPARE			

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 15

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 250

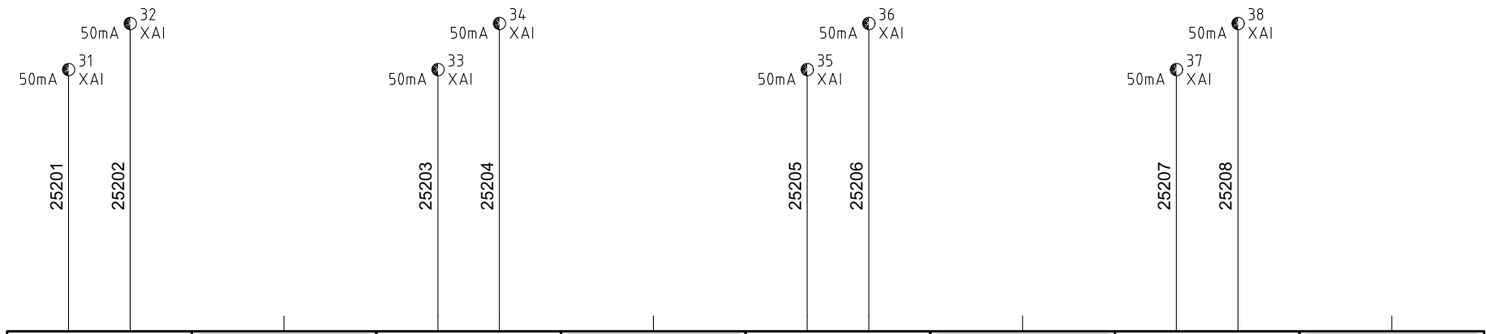
REV. 03

F.to UNI A3: 420mmx297mm

File Name : PK2885_4

250.9 4015 ⎓ 24V → 4015 254.0

250.9 4016 ⎓ 0V → 4016 254.0



1 9	1A	2 10	2A	3 11	3A	4 12	4A
IW112		IW114		IW116		IW118	
CPU RACK 1 MOD. 16 50-TT-021	CPU RACK 1 MOD. 16	CPU RACK 1 MOD. 16 50-LT-020	CPU RACK 1 MOD. 16	CPU RACK 1 MOD. 16 50-LT-021	CPU RACK 1 MOD. 16	CPU RACK 1 MOD. 16 50-LT-022	CPU RACK 1 MOD. 16
Name: 160AI4 Sheet: 160.7	Name: 160AI4 Sheet: 160.7	Name: 160AI4 Sheet: 160.7	Name: 160AI4 Sheet: 160.7	Name: 160AI4 Sheet: 160.7	Name: 160AI4 Sheet: 160.7	Name: 160AI4 Sheet: 160.7	Name: 160AI4 Sheet: 160.7
SEAWATER TEMPERATURE FROM H-50001		T-50006 LEVEL		T-50008 LEVEL		T-50002 LEVEL	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 16

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 252

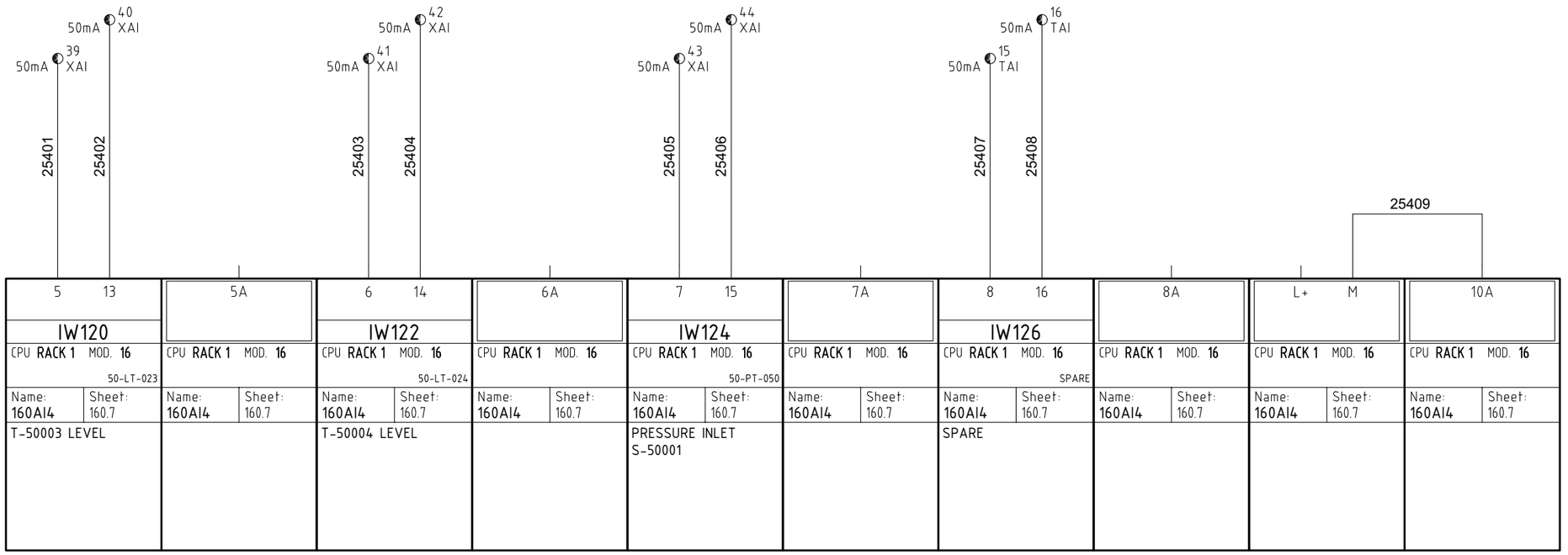
REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

252.9 4015 ⎓ 24V → 4015 256.0

252.9 4016 ⎓ 0V → 4016 256.0



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 16

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 254

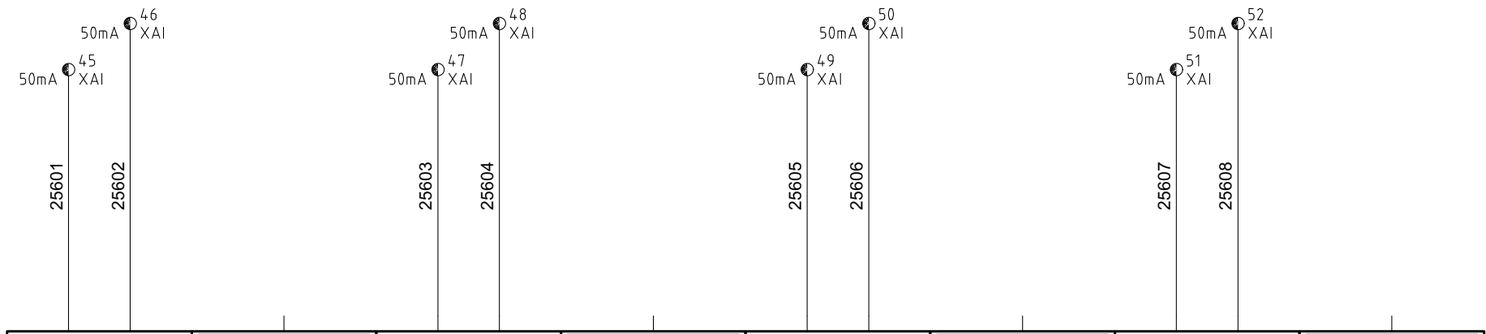
REV. 03

F.to UNI A3: 420mmx297mm

File Name : PK2885_4

254.9 4015 ⎓ 24V → 4015 258.0

254.9 4016 ⎓ 0V → 4016 258.0



1	9	1A	2	10	2A	3	11	3A	4	12	4A
IW128			IW130			IW132			IW134		
CPU RACK 1 MOD. 17 50-TT-022		CPU RACK 1 MOD. 17	CPU RACK 1 MOD. 17 50-PT-041		CPU RACK 1 MOD. 17	CPU RACK 1 MOD. 17 50-TT-024		CPU RACK 1 MOD. 17	CPU RACK 1 MOD. 17 50-AT-026		CPU RACK 1 MOD. 17
Name: 160AI5	Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5	Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5	Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5	Sheet: 160.7	Name: 160AI5 Sheet: 160.7
SEAWATER TEMPERATURE FROM H-50001			FRESH WATER OUTLET PRESSURE			FRESH WATER OUTLET TEMPERATURE			FRESH WATER OUTLET TOTAL HARDNESS		

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 17

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 256

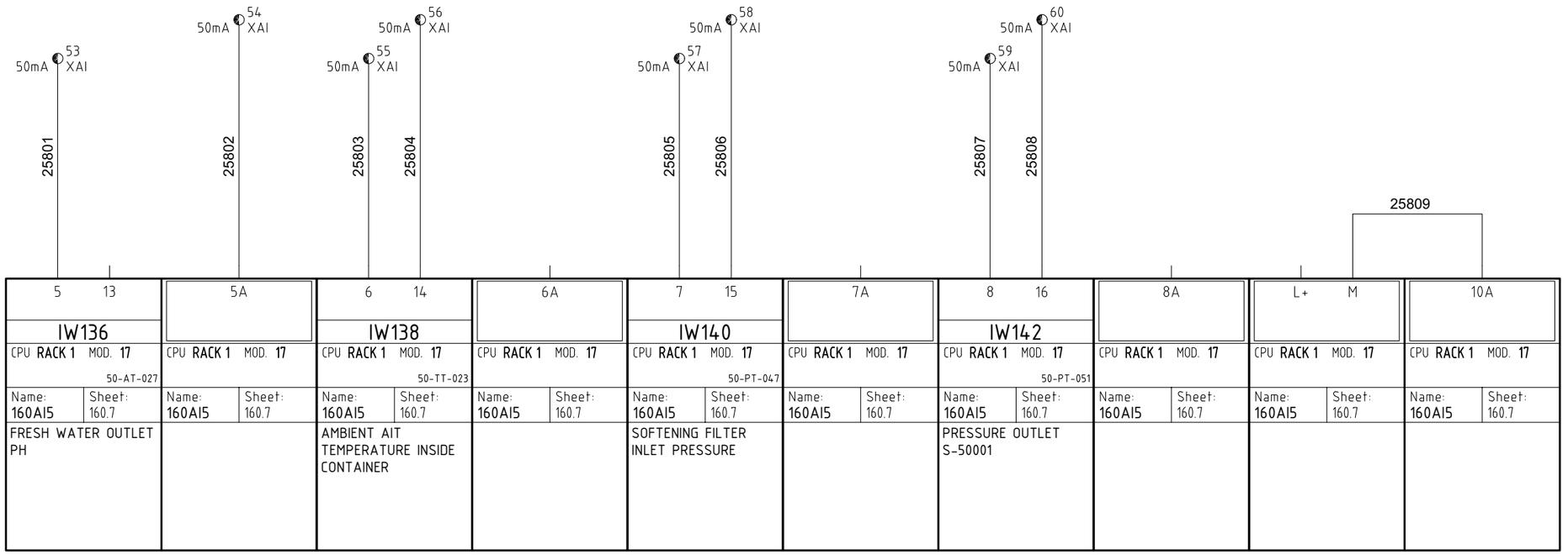
REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

256.9 4015 ⎓ 24V → 4015 /./

256.9 4016 ⎓ 0V → 4016 /./



5 13	5A	6 14	6A	7 15	7A	8 16	8A	L+ M	10A
IW136		IW138		IW140		IW142			
CPU RACK 1 MOD. 17 50-AT-027	CPU RACK 1 MOD. 17	CPU RACK 1 MOD. 17 50-TT-023	CPU RACK 1 MOD. 17	CPU RACK 1 MOD. 17 50-PT-047	CPU RACK 1 MOD. 17	CPU RACK 1 MOD. 17 50-PT-051	CPU RACK 1 MOD. 17	CPU RACK 1 MOD. 17	CPU RACK 1 MOD. 17
Name: 160AI5 Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5 Sheet: 160.7	Name: 160AI5 Sheet: 160.7
FRESH WATER OUTLET PH		AMBIENT AIT TEMPERATURE INSIDE CONTAINER		SOFTENING FILTER INLET PRESSURE		PRESSURE OUTLET S-50001			

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG INPUT RACK 1 SLOT 17

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 258

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

HP PUMP SPEED CONTROL	CAUSTIC SODA DOSING PUMP CONTROL	SEAWATER TEMPERATURE FROM H-50001	SPARE	
Name: 160AO1 / Sheet: 160.7	Name: 160AO1 / Sheet: 160.7	Name: 160AO1 / Sheet: 160.7	Name: 160AO1 / Sheet: 160.7	Name: 160AO1 / Sheet: 160.7
CPU **RACK 1** MOD. **18**	CPU **RACK 1** MOD. **18**	CPU **RACK 1** MOD. **18**	CPU **RACK 1** MOD. **18**	CPU **RACK 1** MOD. **18**
50-SY-P50004A	50-ZY-P50005A	50-TZ-021	SPARE	
QW64	QW66	QW68	QW70	
9 1 5 13	10 2 6 14	11 3 7 15	12 4 8 16	L+ M

28001 → 60.6
28002 → 60.6
28003 → 50mA 1 XAO
28004 → 50mA 2 XAO → 66.3
28005 → 66.3
28006 → 66.3
28007 → 50mA 1 TAO
28008 → 50mA 2 TAO

40.2 **4017** ⎓ 24V → **4017** 282.0

40.3 **4018** ⎓ 0V → **4018** 282.0

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG OUTPUT RACK 1 SLOT 18

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

SCALE : --

A3

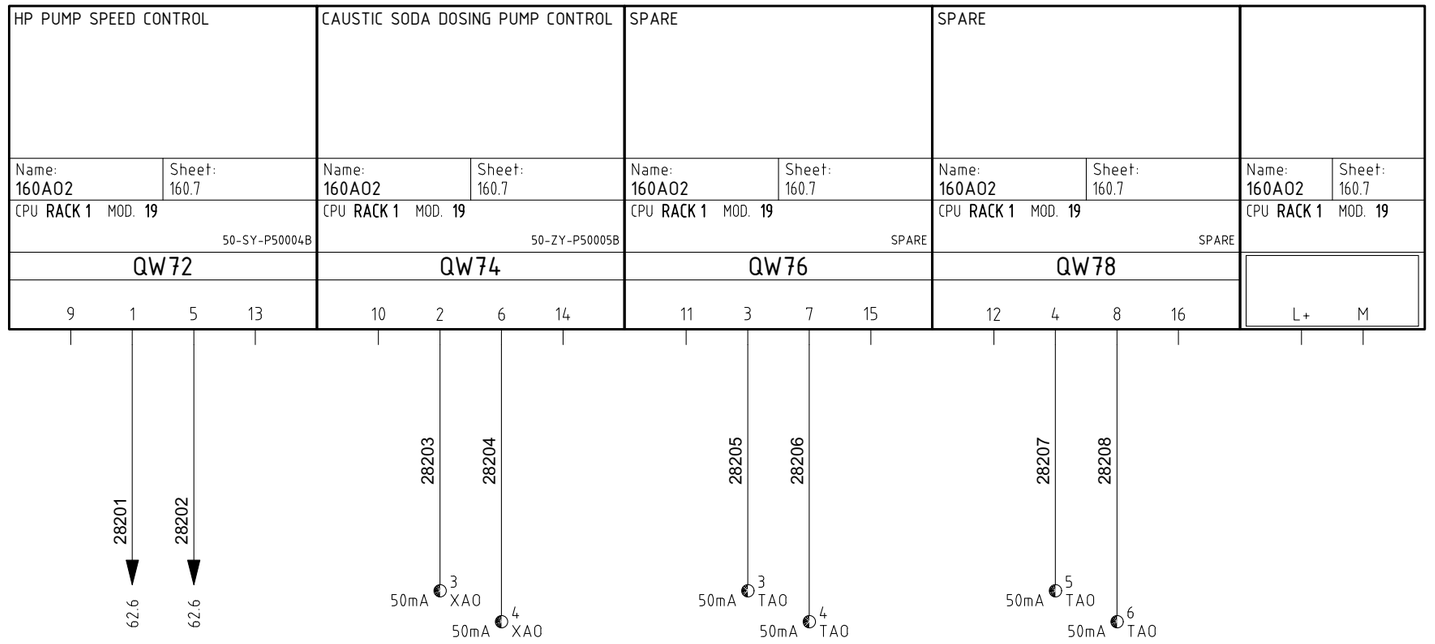
DRAWING NO. 1724000448-IN-DG-00014

SHEET 280

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



280.9 4017 ⎓ 24V 4017 /.

280.9 4018 ⎓ 0V 4018 /.

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
WIRING ANALOG OUTPUT RACK 1 SLOT 19

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

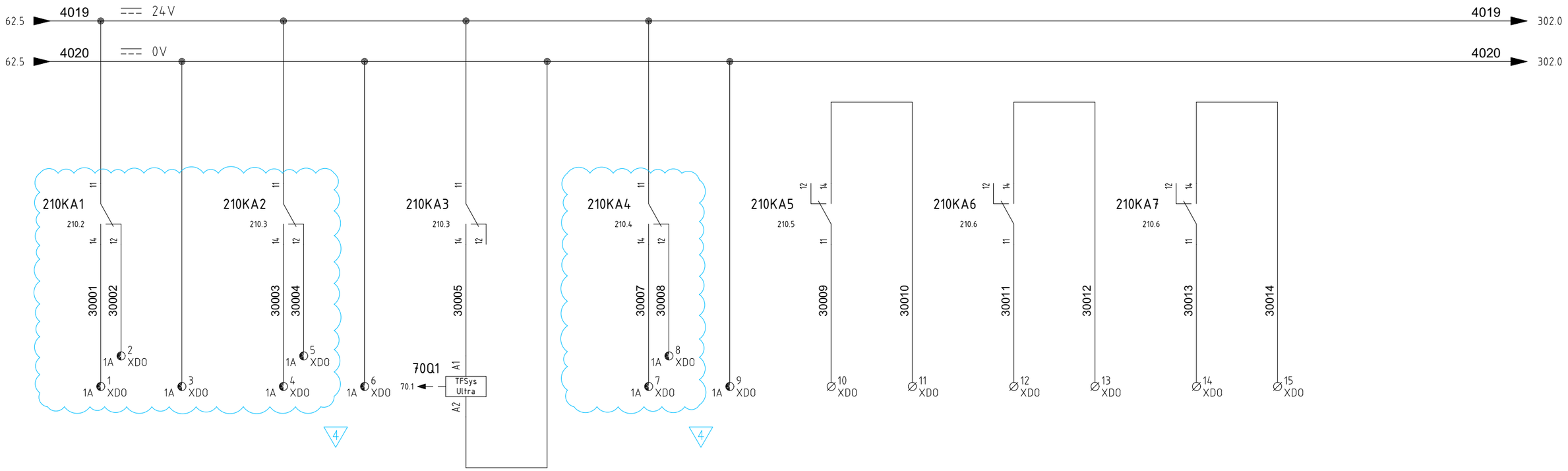
SHEET 282

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

50-XY-021	50-XY-023	50-HS-P50003A	50-XY-020	50-HS-A50003	SPARE	50-HS-S50004
P-50003A SUCTION VALVE COMMAND	*P-50003A FLUSHING VALVE COMMAND*	*SW BOOSTER PUMP START/STOP COMMAND*	*SEAWATER INLET VALVE COMMAND*	*SEAWATER COARSE FILTER REGENERATION COMMAND*	*SPARE*	*SOFTENING FILTER REGENERATION COMMAND*



DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
AUXILIARY CONTACT

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

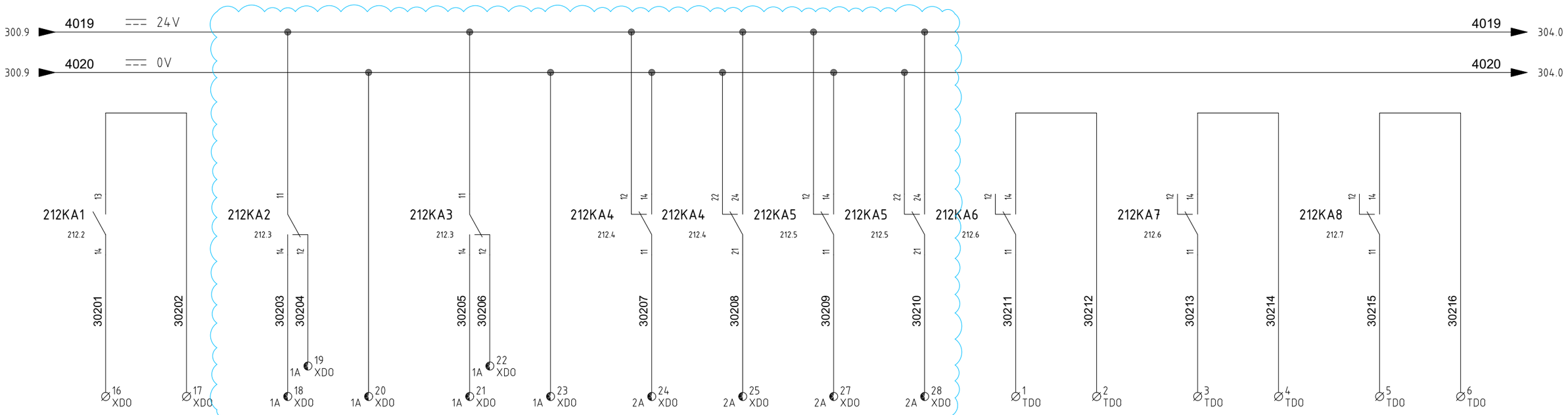
SHEET 300

REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

50-XA-003	50-XY-025	50-XY-026	50-XY-027	50-XY-031	SPARE	SPARE	SPARE
FAULT	*FRESH WATER FROM A-50007A VALVE COMMAND*	*FRESH WATER DRAIN FROM A-50007A VALVE COMMAND*	*BRINE FROM A-50007A VALVE COMMAND*	*FRESH WATER OUTLET VALVE COMMAND*	SPARE	SPARE	SPARE



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
AUXILIARY CONTACT

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

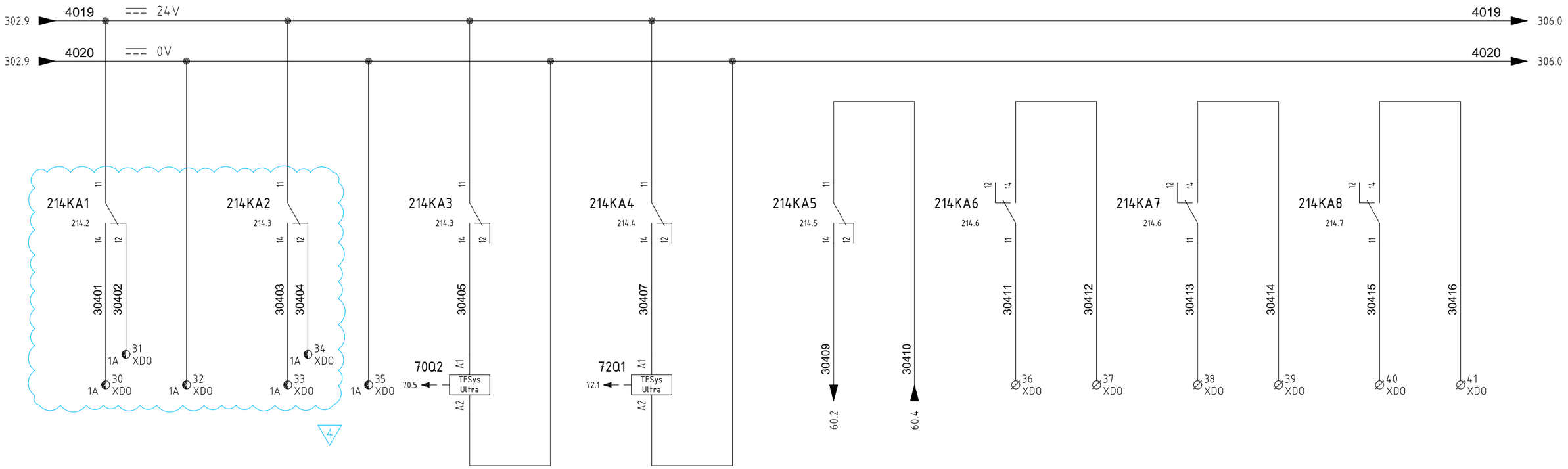
SHEET 302

REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

50-XY-024	50-XY-022	50-HS-P50003B	50-HS-P50002A	50-HS-P50004A	50-HS-P50005A	50-HS-P50006A	50-HS-P50007A
P-50003B FLUSHING VALVE COMMAND	*P-50003B SUCTION VALVE COMMAND*	*SW BOOSTER PUMP START/STOP COMMAND*	*BACKWASH PUMP START/STOP COMMAND*	*HP PUMP START/STOP COMMAND*	*CAUSTIC SODA DOSING PUMP START/STOP COMMAND*	*ANTISCALANT DOSING PUMP START/STOP COMMAND*	*NON-OXIDANT BIOCIDE DOSING PUMP - CONTAINER INLET START/STOP CMD*



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
AUXILIARY CONTACT

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

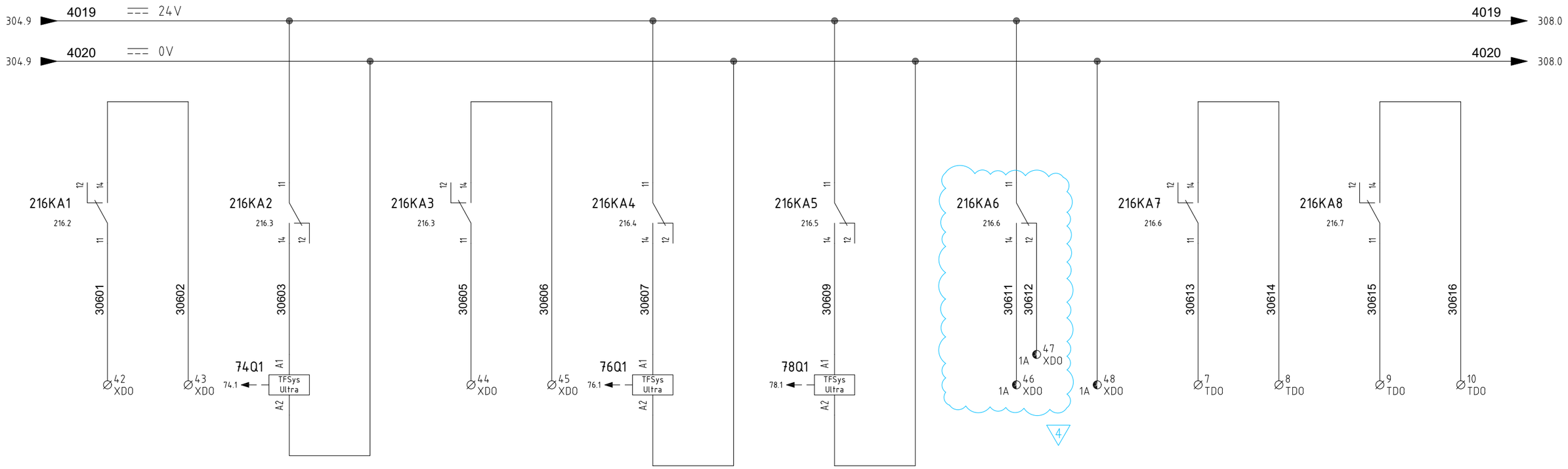
SHEET 304

REV. 03

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

50-HS-P50008A	50-HS-P50009A	50-HS-P50010A	50-HS-HHS50003A	50-HS-HFA50001A	50-XY-032	SPARE	SPARE
NON-OXIDANT BIOCIDE DOSING PUMP - SEA W. INTAKE START/STOP CMD	*FRESH WATER PUMP START/STOP COMMAND*	*NON-OXIDANT BIOCIDE DOSING PUMP - WASTE W. TANK START/STOP CMD*	*CONTAINER ELECTRICAL HEATER START/STOP COMMAND*	*CONTAINER AIR FAN START/STOP COMMAND*	*FRESH WATER OFF-SPEC VALVE COMMAND*	SPARE	SPARE



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
AUXILIARY CONTACT

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

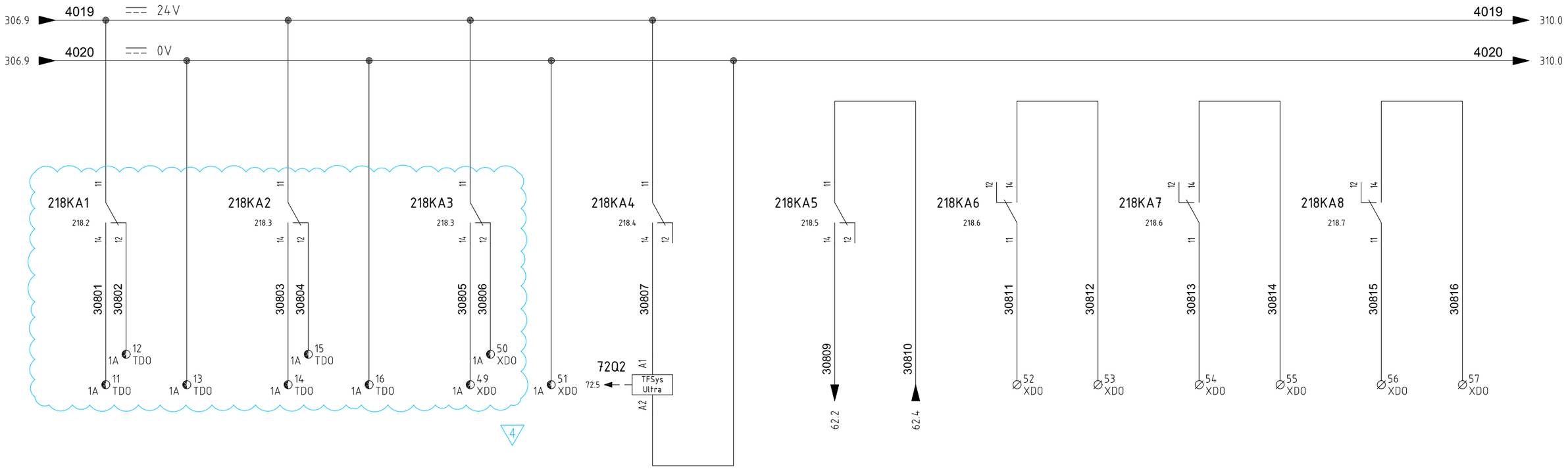
SHEET 306

REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

SPARE	SPARE	50-XY-030	50-HS-P50002B	50-HS-P50004B	50-HS-P50005B	50-HS-P50006B	50-HS-P50007B
		BRINE FROM A-50007B VALVE COMMAND	*BACKWASH PUMP START/STOP COMMAND*	*HP PUMP START/STOP COMMAND*	*CAUSTIC SODA DOSING PUMP START/STOP COMMAND*	*ANTISCALANT DOSING PUMP START/STOP COMMAND*	*NON-OXIDANT BIOCIDE DOSING PUMP - CONTAINER INLET START/STOP CMD*



04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
AUXILIARY CONTACT

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

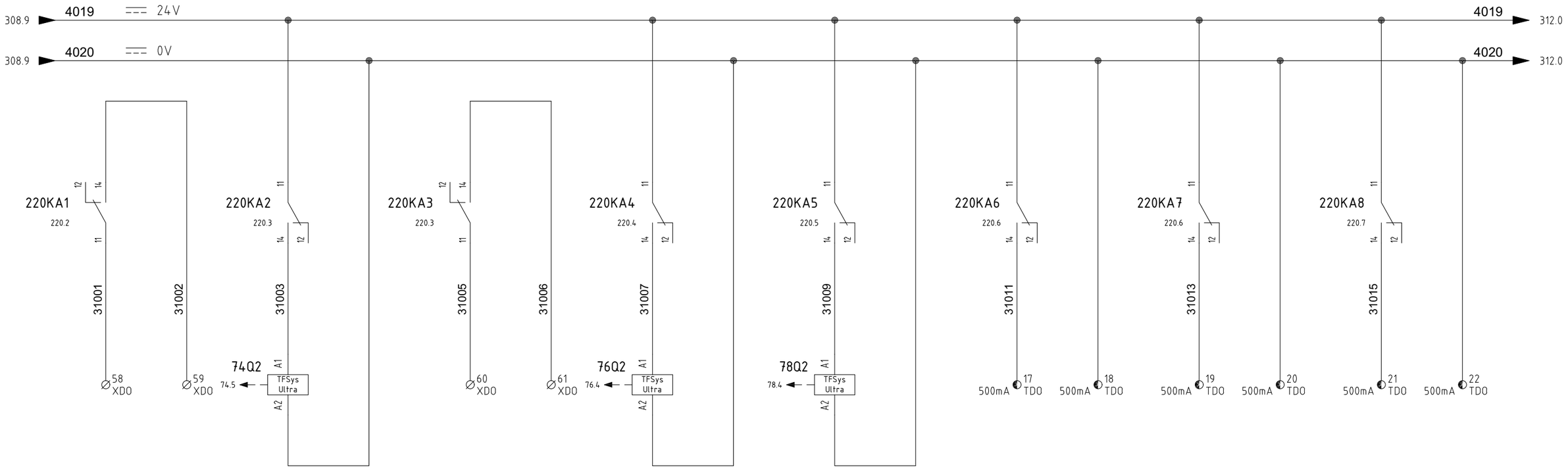
SHEET 308

REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

50-HS-P50008B	50-HS-P50009B	50-HS-P50010B	50-HS-HHS50003B	50-HS-HFA50001B	SPARE	SPARE	SPARE
NON-OXIDANT BIOCIDE DOSING PUMP - SEA W. INTAKE START/STOP CMD	*FRESH WATER PUMP START/STOP COMMAND*	*NON-OXIDANT BIOCIDE DOSING PUMP - SEA W. INTAKE START/STOP CMD*	*CONTAINER ELECTRICAL HEATER START/STOP COMMAND*	*CONTAINER AIR FAN START/STOP COMMAND*	SPARE	SPARE	SPARE



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
AUXILIARY CONTACT

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

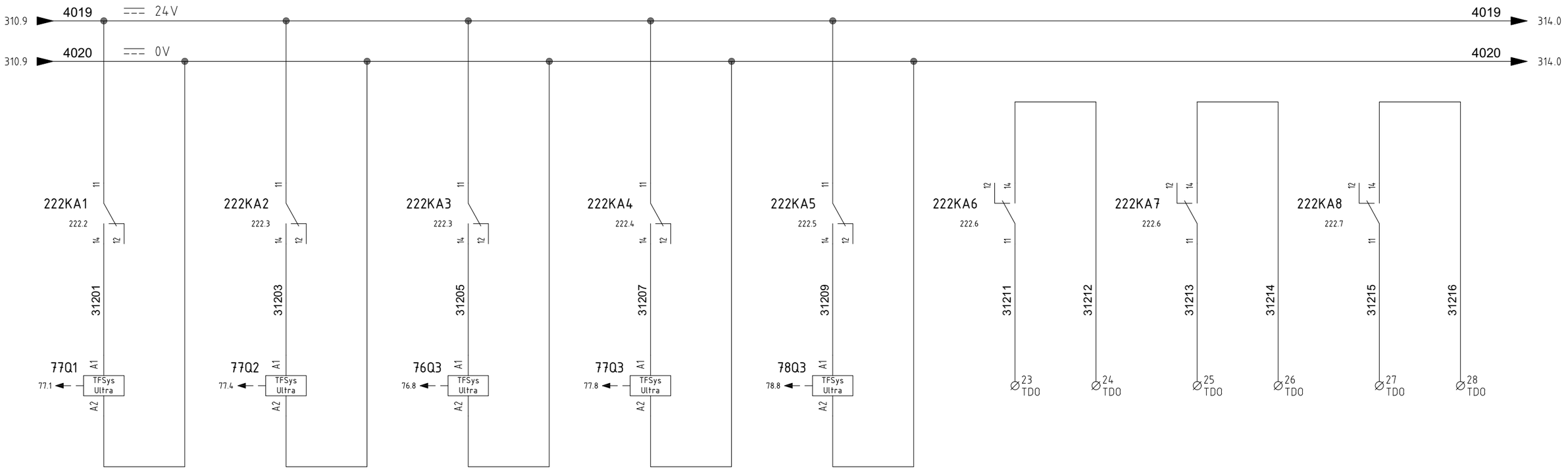
SCALE : --

A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 310 | REV. 02

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

50-HS-HHS50003B1	50-HS-HHS50003B2	50-HS-HHS50003A3	50-HS-HHS50003B3	50-HS-HFA50001C	SPARE	SPARE	SPARE
CONTAINER ELECTRICAL HEATER START/STOP COMMAND	*CONTAINER ELECTRICAL HEATER START/STOP COMMAND*	*CONTAINER ELECTRICAL HEATER FAN START/STOP COMMAND*	*CONTAINER ELECTRICAL HEATER FAN START/STOP COMMAND*	*CONTAINER AIR FAN START/STOP COMMAND*	SPARE	SPARE	SPARE



DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
AUXILIARY CONTACT

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

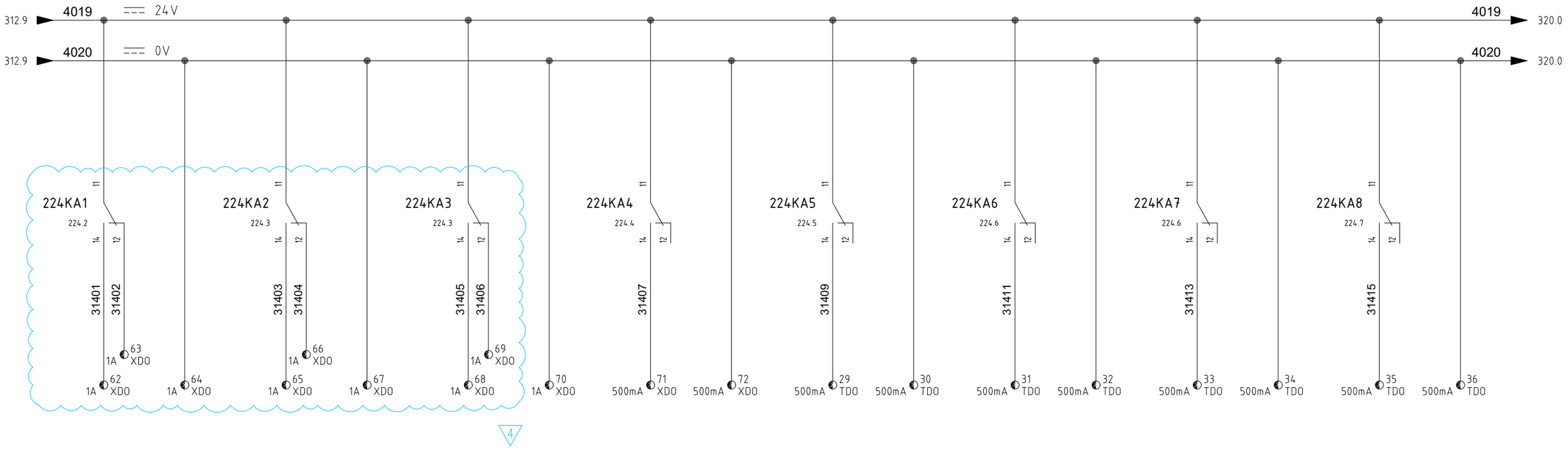
SHEET 312

REV. 02

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

50-XY-033	50-XY-034	50-XY-035	50-HS-026	SPARE	SPARE	SPARE	SPARE
SEAWATER DRAIN FROM H-50001 VALVE COMMAND	*SEAWATER DRAIN FROM T-50006 VALVE COMMAND*	*FRESH WATER DRAIN FROM T-50008 VALVE COMMAND*	*FRESH WATER ANALYZER COMMAND*	SPARE	SPARE	SPARE	SPARE



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
AUXILIARY CONTACT

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 314

REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm

50-XS-001
SHUTDOWN

50-HS-020
EMERGENCY STOP PUSHBUTTON

4

314.9 4019 ⎓ 24V → 4019 /./

314.9 4020 ⎓ 0V → 4020 /./

1 XEXT

2 XEXT

21 XDI

22 XDI

32001

32002

32003

320KA1 A1 Y1 Y2 A2

320KA2 A1 Y1 Y2 A2

174.7 14 13 / 34 33 / 22 21

174.6 14 13 / 30.2 24 23 / 32 31

DOC. REF: PK2885-A-002

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
EXTERNAL COMMAND

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

SCALE : --

A3

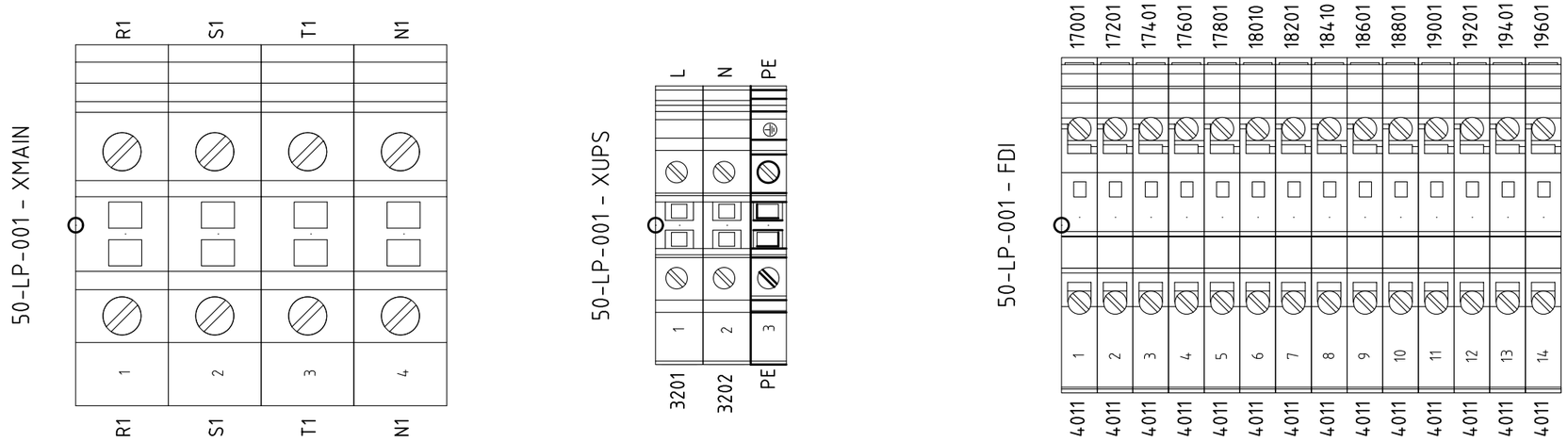
DRAWING NO. 1724000448-IN-DG-00014

SHEET 320

REV. 04

File Name : PK2885_4

F.to UNI A3: 420mmx297mm



Instrument Earth (30x5)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP XMAIN - XUPS - FDI

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

SCALE : --

A3

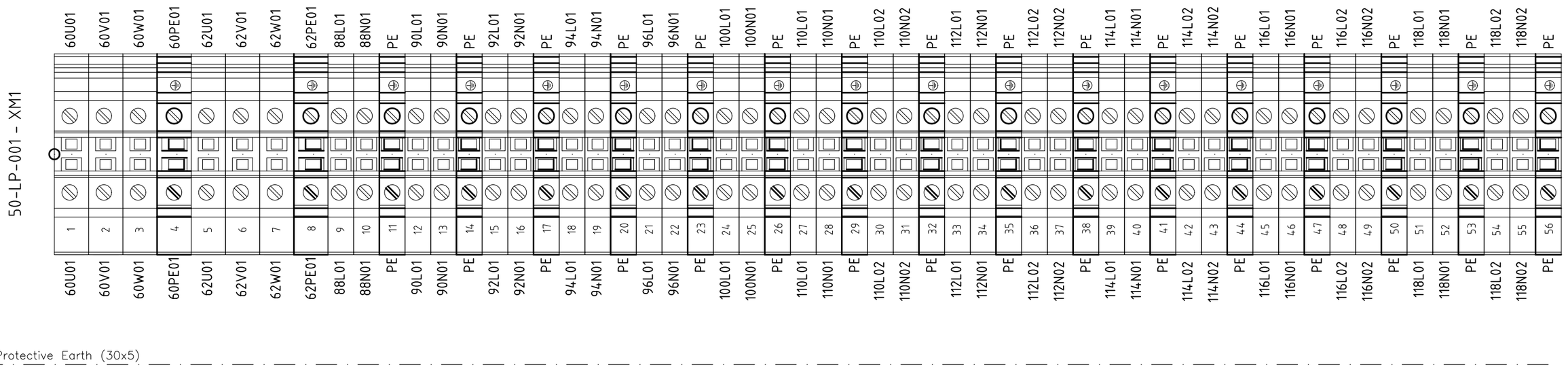
DRAWING NO. 1724000448-IN-DG-00014

SHEET 400

REV. 03

File Name : PK2885_5

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP XM1

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

SCALE : --

A3

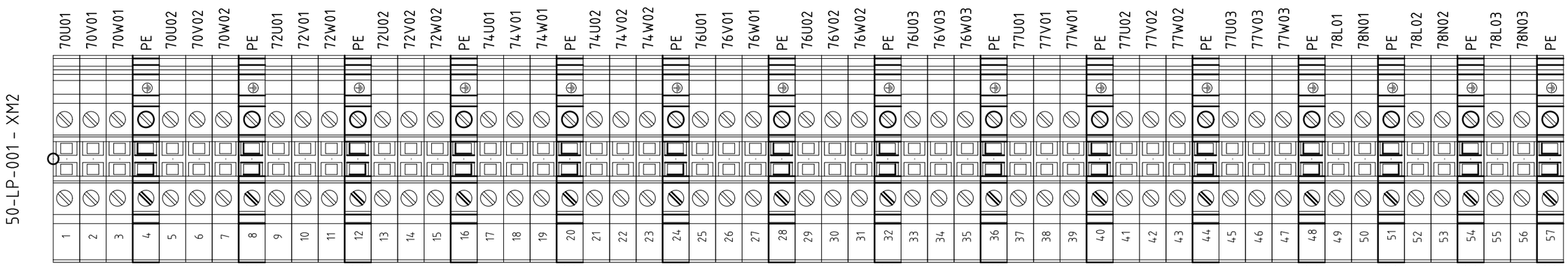
DRAWING NO. 1724000448-IN-DG-00014

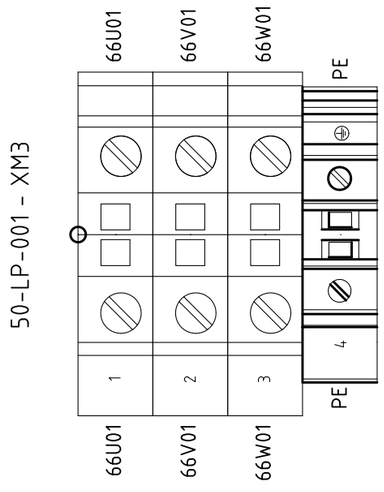
SHEET 402

REV. 03

File Name : PK2885_5

F.to UNI A3: 420mmx297mm





REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP XM2 - XM3

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

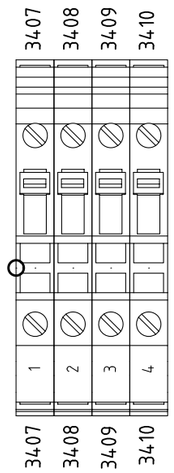
SHEET 403

REV. 03

File Name : PK2885_5

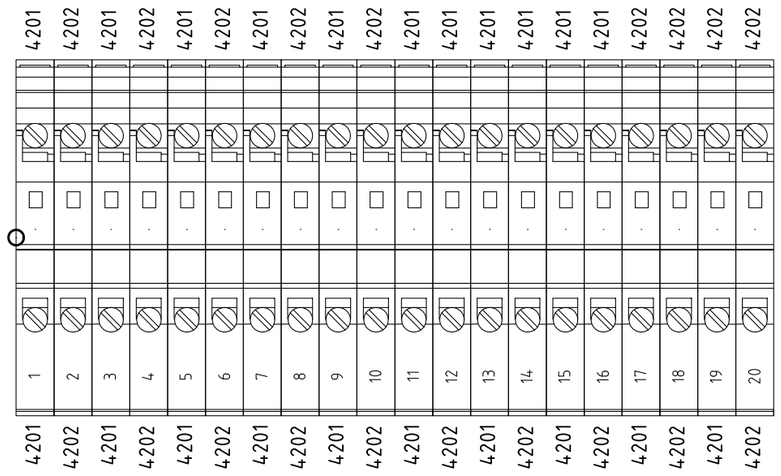
F.to UNI A3: 420mmx297mm

50-LP-001 - XINS1



Instrument Earth (30x5)

50-LP-001 - XINS2



Instrument Earth (30x5)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP XINS1 - XINS2

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

SHEET 404

REV. 03

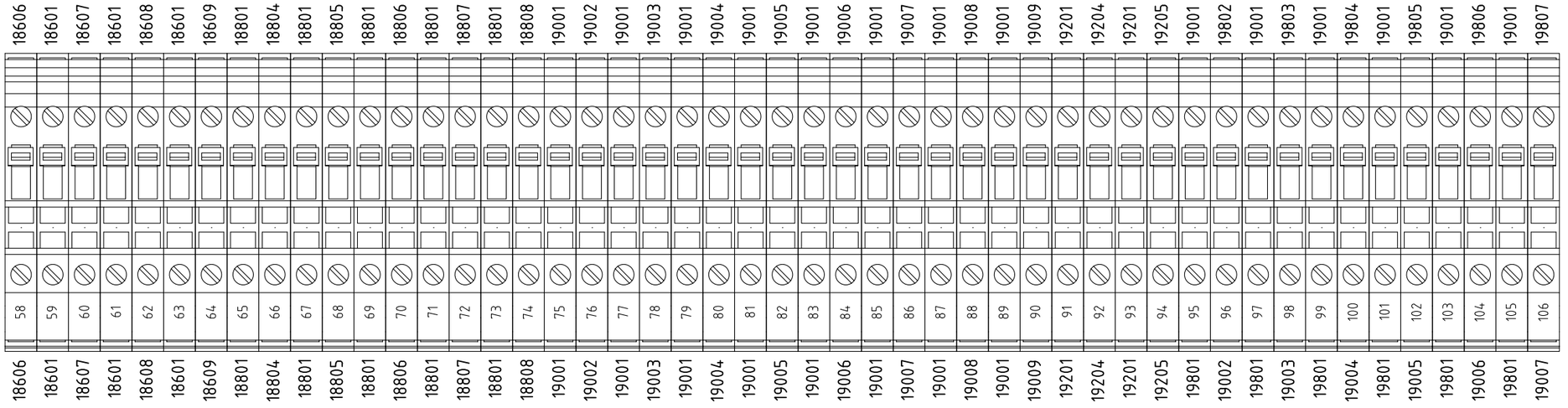
File Name : PK2885_5

F.to UNI A3: 420mmx297mm

50-LP-001 - XDI



Instrument Earth (30x5)



Instrument Earth (30x5)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP XDI

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

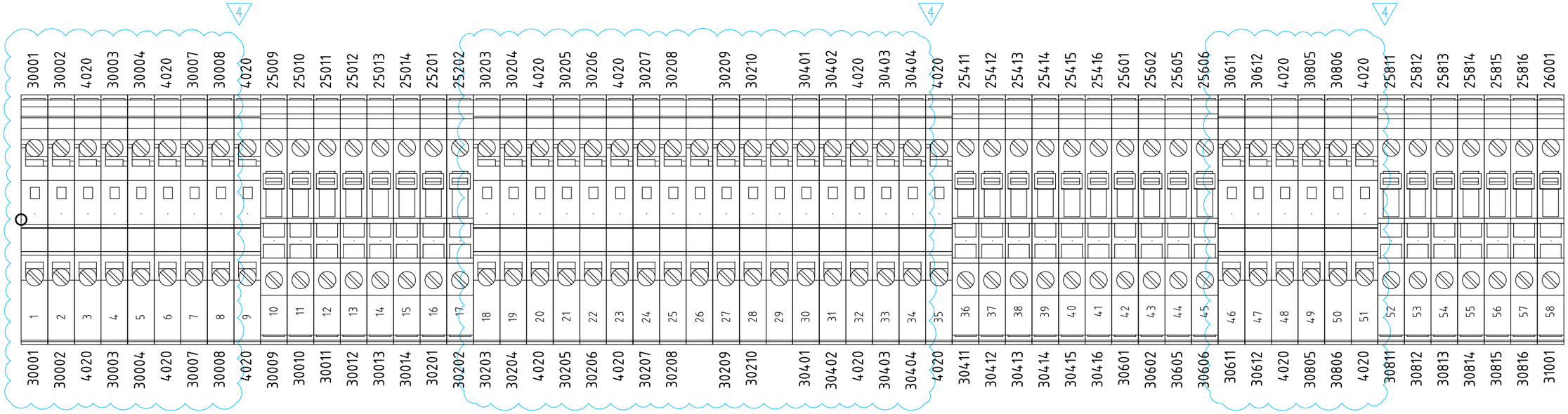
SHEET 406

REV. 04

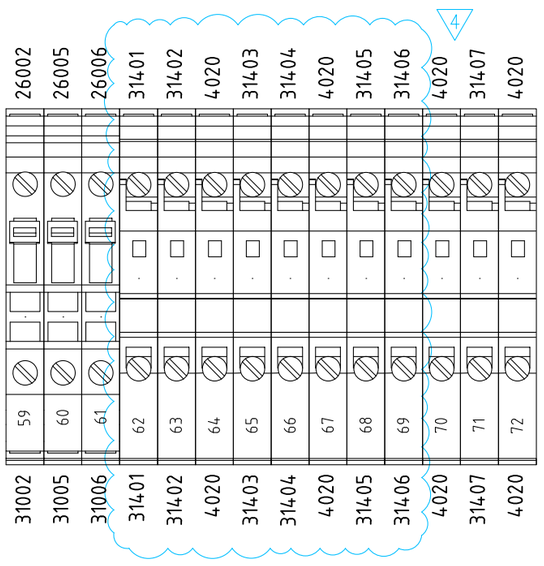
File Name : PK2885_5

F.to UNI A3: 420mmx297mm

50-LP-001 - XDO



Instrument Earth (30x5)



Instrument Earth (30x5)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP XDO

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

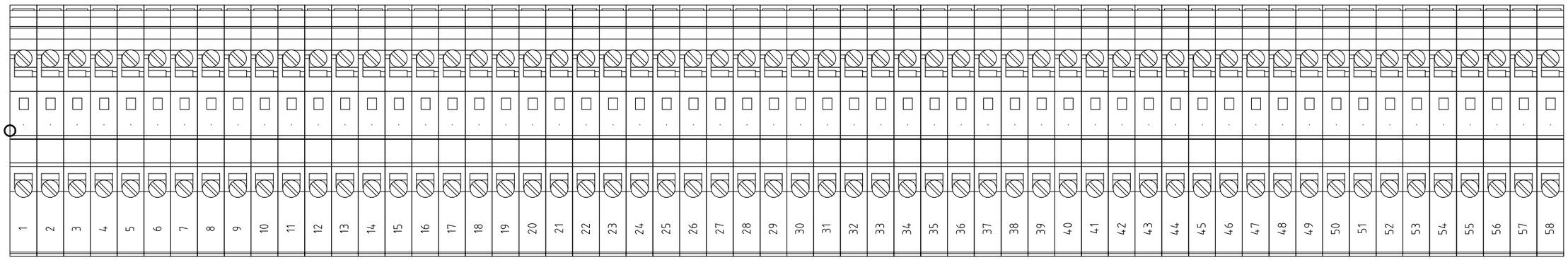
SHEET 408

REV. 04

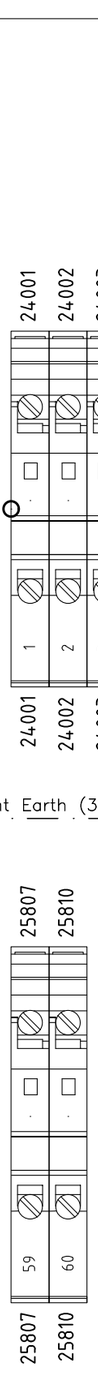
File Name : PK2885_5

F.to UNI A3: 420mmx297mm

50-LP-001 - XAI



Instrument Earth (30x5)



Instrument Earth (30x5)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP XAI

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

SCALE : --

A3

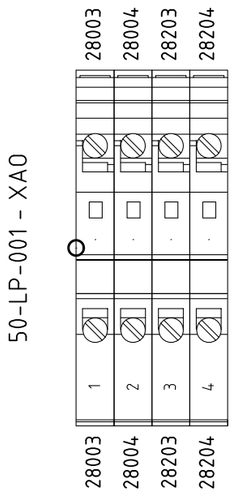
DRAWING NO. 1724000448-IN-DG-00014

SHEET 410

REV. 03

File Name : PK2885_5

F.to UNI A3: 420mmx297mm



Instrument Earth (30x5)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
00	21/06/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP XA0

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

SCALE : --

A3

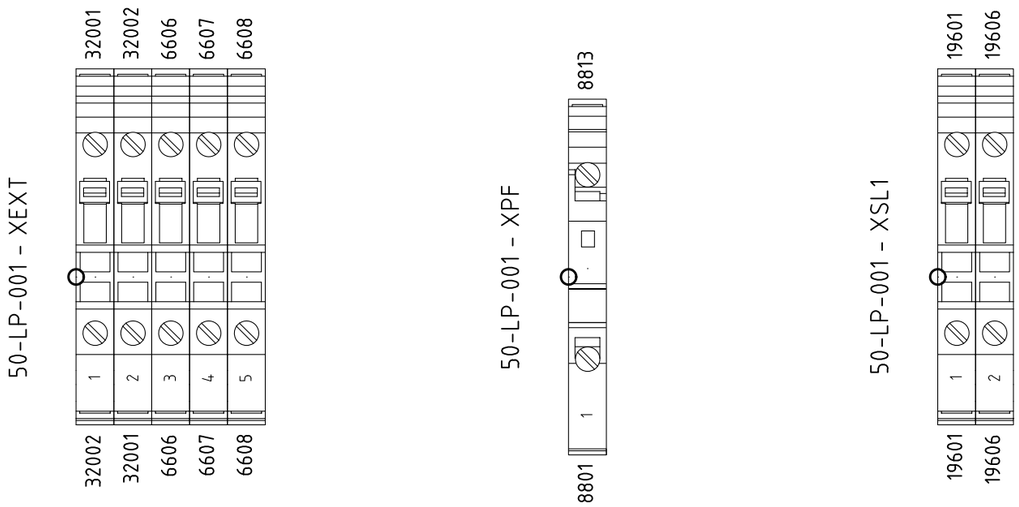
DRAWING NO. 1724000448-IN-DG-00014

SHEET 412

REV. 02

File Name : PK2885_5

F.to UNI A3: 420mmx297mm



Instrument Earth (30x5)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
01	26/07/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP XEXT - XPF - XSL1

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

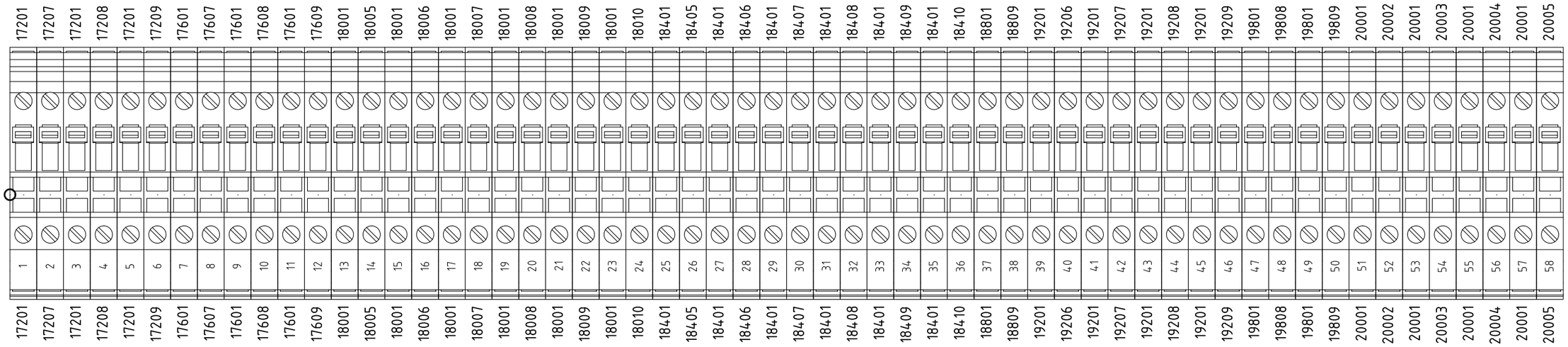
SHEET 414

REV. 03

File Name : PK2885_5

F.to UNI A3: 420mmx297mm

50-LP-001 - TDI



Instrument Earth (30x5)

Instrument Earth (30x5)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP TDI

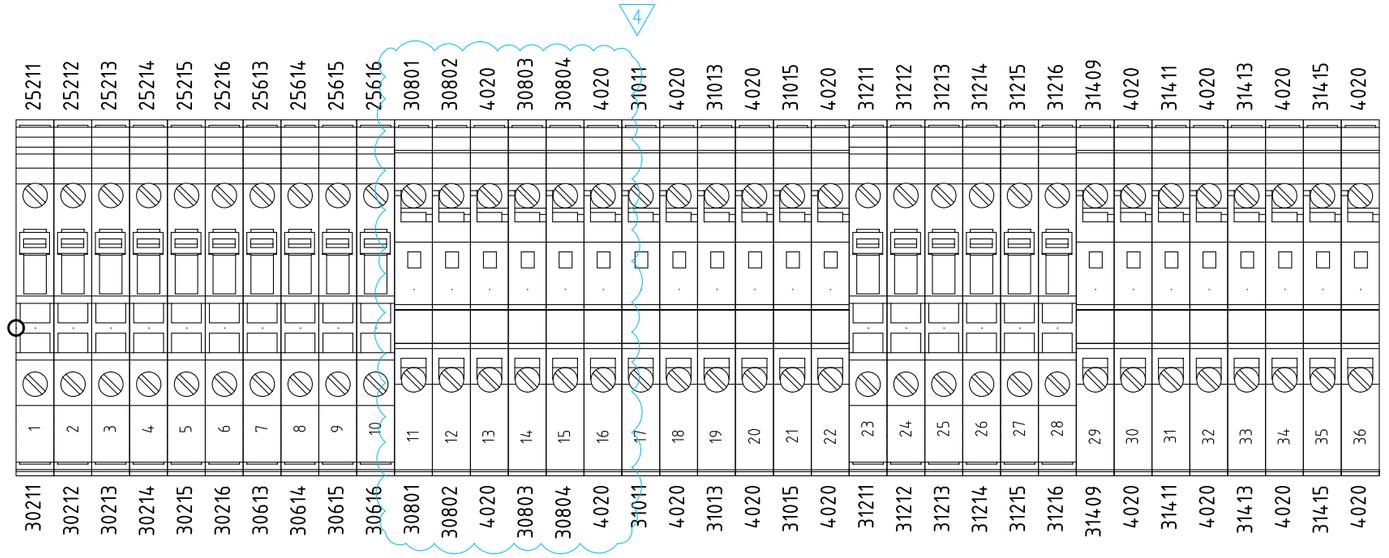
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : --

A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 420 | REV. 03

File Name : PK2885_5

F.to UNI A3: 420mmx297mm

50-LP-001 - TDO



Instrument Earth (30x5)

Instrument Earth (30x5)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	10/01/25	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP TDO

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

SCALE : --

A3

DRAWING NO. 1724000448-IN-DG-00014

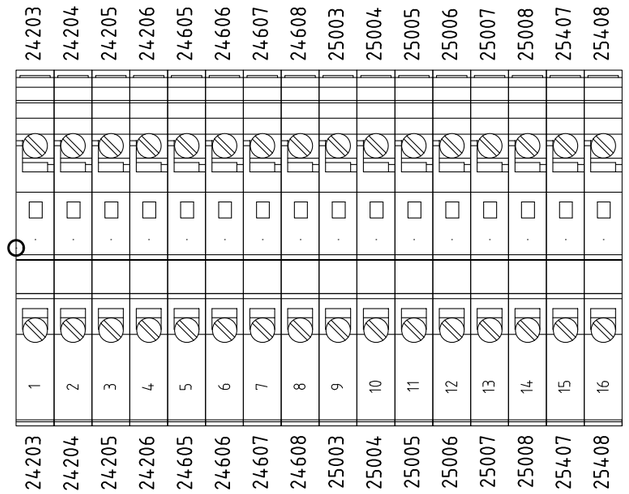
SHEET 422

REV. 04

File Name : PK2885_5

F.to UNI A3: 420mmx297mm

50-LP-001 - TAI



Instrument Earth (30x5)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP TAI

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

SCALE : --

A3

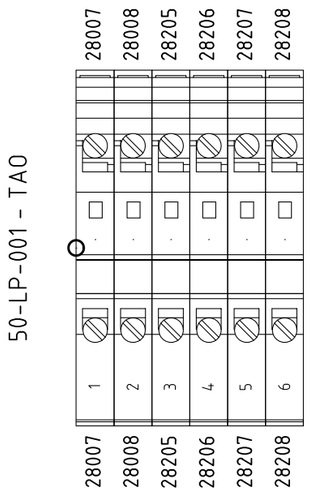
DRAWING NO. 1724000448-IN-DG-00014

SHEET 424

REV. 03

File Name : PK2885_5

F.to UNI A3: 420mmx297mm



Instrument Earth (30x5)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	13/09/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
TERMINAL STRIP TA0

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

SCALE : --

A3

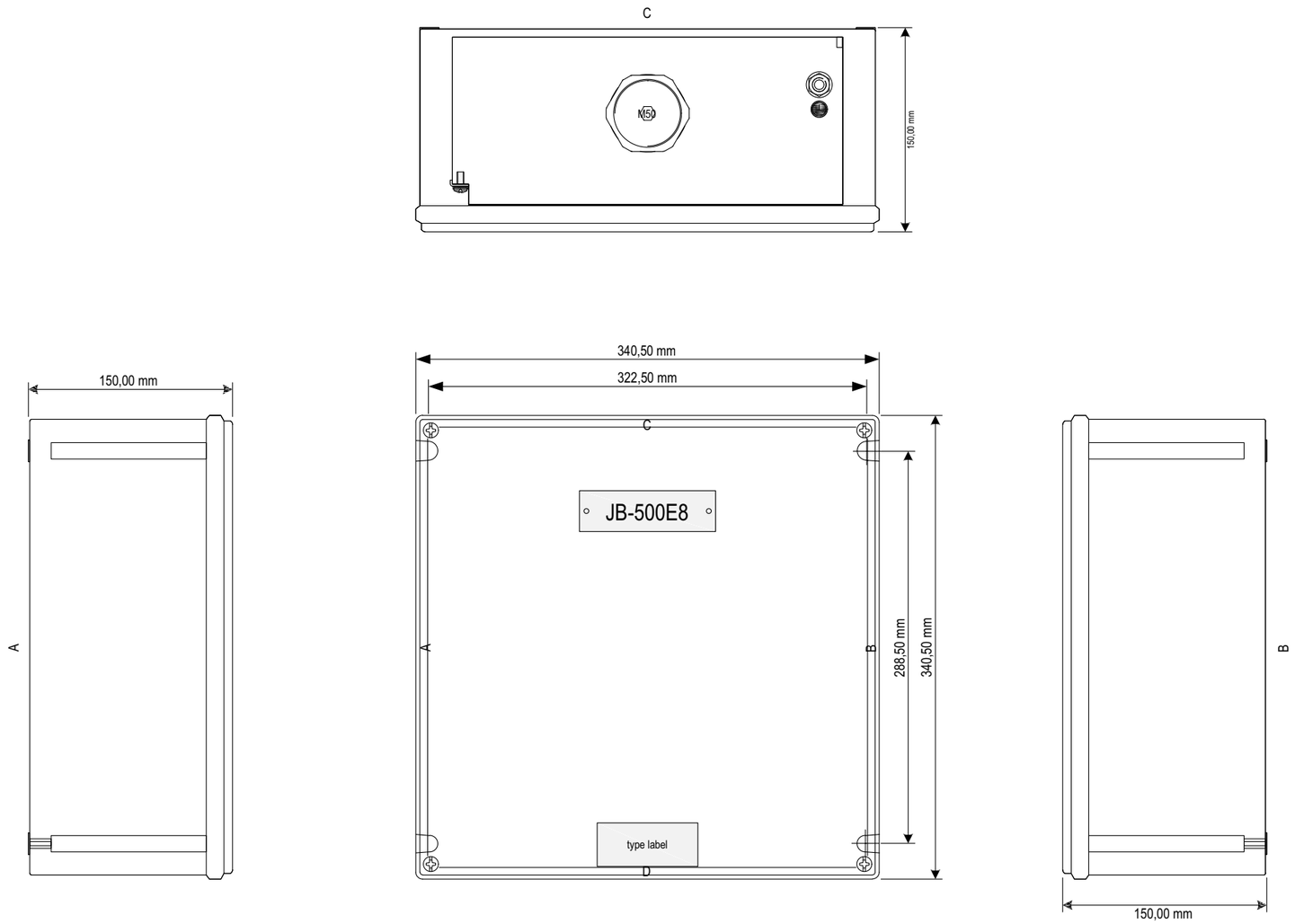
DRAWING NO. 1724000448-IN-DG-00014

SHEET 426

REV. 02

File Name : PK2885_5

F.to UNI A3: 420mmx297mm



03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
GA JB-500E8

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

SCALE : --

A3

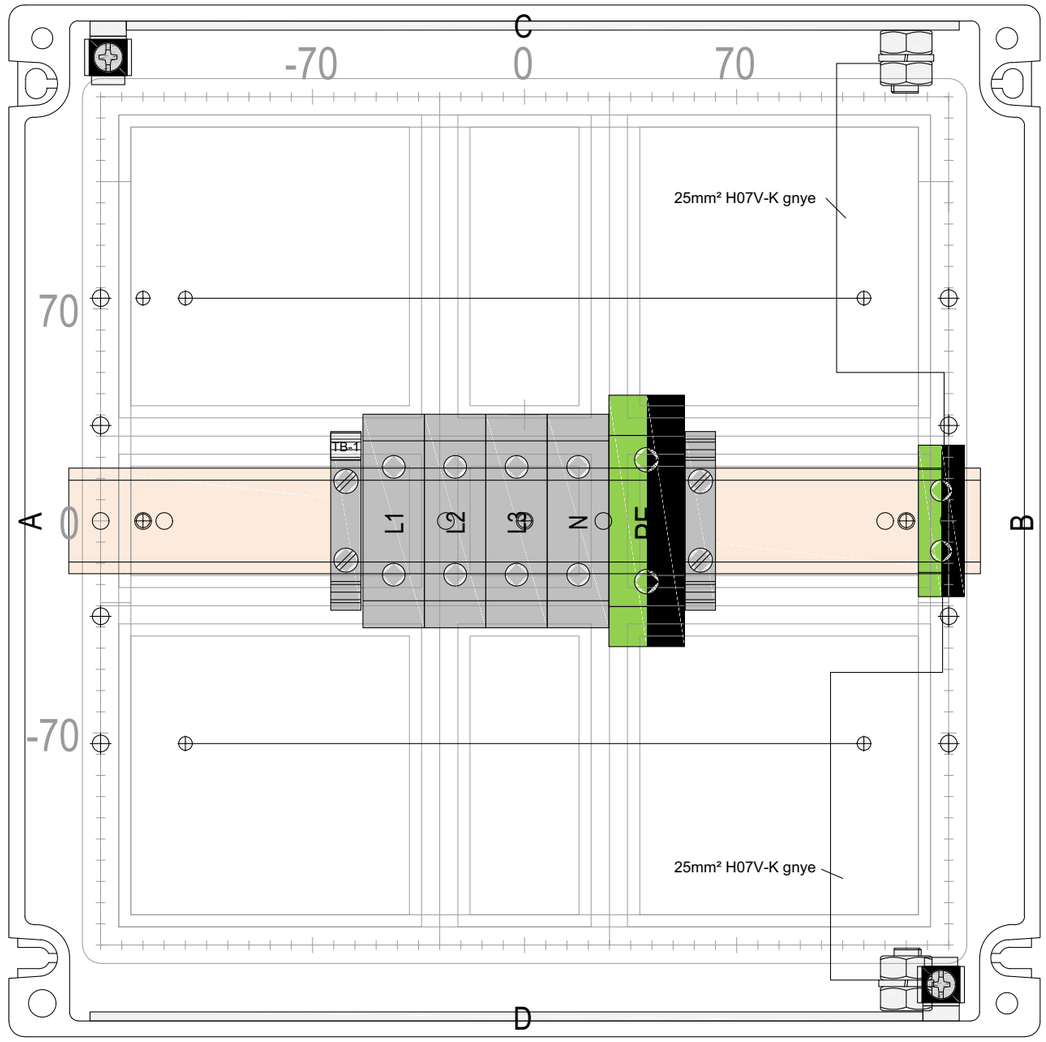
DRAWING NO. 1724000448-IN-DG-00014

SHEET 430

REV. 03

File Name : PK2885_5

F.to UNI A3: 420mmx297mm



Terminal marking on both sides
Klemmenbeschriftung beidseitig

03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

PSC

DOC. REF: PK2885-A-002

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
GA JB-500E8

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

SCALE : --

A3

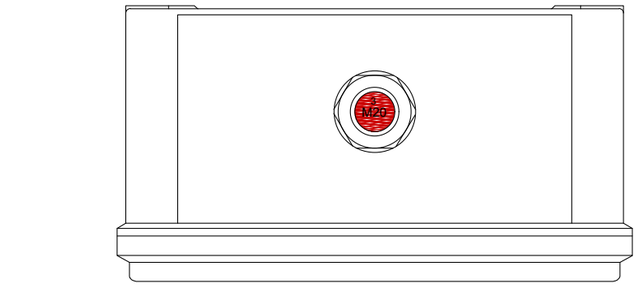
DRAWING NO. 1724000448-IN-DG-00014

SHEET 431

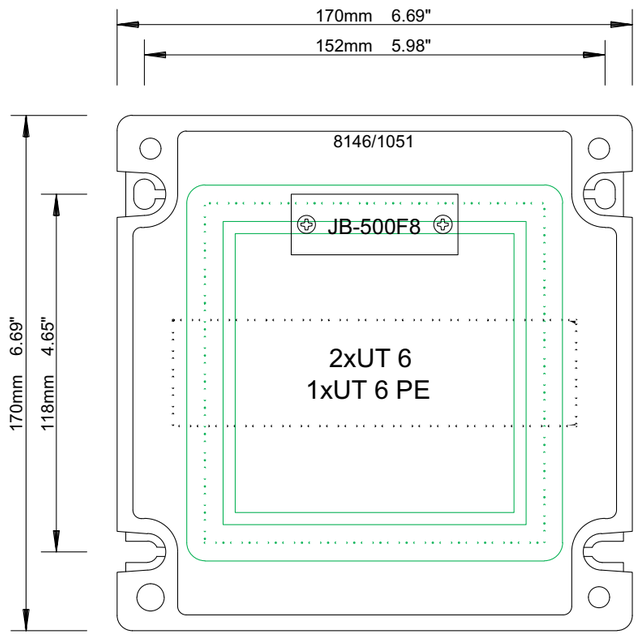
REV. 03

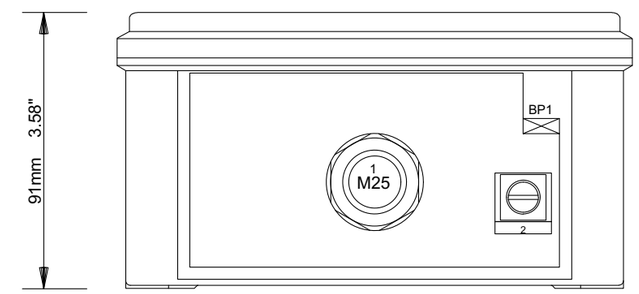
File Name : PK2885_5

F.to UNI A3: 420mmx297mm



8146/1051-C





8146/1051-D
mit Messingplatte/with brass plate

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	29/10/24	MS	FC	RM	ISSUE FOR INFORMATION (IFI)

PSC DOC. REF: PK2885-A-002

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PACKAGE WIRING DIAGRAM LCP
GA JB-500F8

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

SCALE : --

A3 | DRAWING NO. 1724000448-IN-DG-00014 | SHEET 432 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : PK2885_5

Arc-Flash

Job	PK2885
Description	SWRO Container
Customer	Rosetti Marino
Site	Base Load Power Hub (BLPH)
Date	09/01/2025
Power Supply	400-230V
Switchboard Type	PLC-MCC
Degree protection	IP54 (Internal IP20)
Materials used	Schneider Electric - Siemens
References	PK2885-A-002
Operator	Emanuele Catalano

Arc-Flash

Panel desc. [Ut.rif. Arc-Flash]	Voltage Voc [V]	Current Ibf [kA]	Current Iarc [kA]	Arc Time T [ms]	Working distance [mm]	Incident energy [cal/cm²]	PPE level	AFB Limit [mm]
SWRO Container LCP 50-LP-001								
[Inc. LCP 50-LP-001]	400	25	16,7	60,7	304,8	3,78	1	625,2

Arc-Flash Hazard Warning

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Description	SWRO Container
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Degree protection	IP54 (Internal IP20)
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References	PK2885-A-002
Operator	Emanuele Catalano



WARNING

Arc Flash and Shock Hazard

Appropriate PPE Required	Level 1

625,2 mm	Arc Flash Boundary
304,8 mm	Working Distance
15,827 [J/cm²]	Incident Energy
400 V	Shock Hazard when cover is removed
1066,8 mm	Limited Approach
304,8 mm	Restricted Approach
Location: LCP 50-LP-001	**Date: January 2025**