BASE LOAD POWER HUB (BLPH)

"DP-200N1" LV SWBD 400/230V

FUNCTIONAL DIAGRAMS

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
Andrea Sgadoni	12/03/2025

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
=					
+					
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IMESA ELECTRICAL ENGINEERING

DWG n° : 231298/SD/33

Item n° : PF1002888/101

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Cover

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00033

SHEET 1

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

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005	Functional Drawing										
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020	Power Teminal Block										
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022	Auxiliary Terminal Blocks										
023	Material List										
024	Material List										
025	Material List										
026	Material List										

Sheet	Description	Revision 0	1	2	3	4	5	6	7	8	9

CROSSWIND

IMESA ELECTRICAL ENGINEERING

ROSETTI MARINO

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TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Index

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

SCALE : NTS

A3

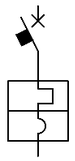
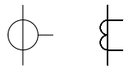
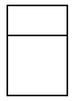
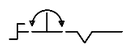
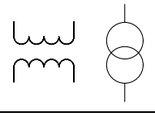
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SHEET 2

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

GRAPHICAL SYMBOLS	DESCRIPTION	GRAPHICAL SYMBOLS	DESCRIPTION	GRAPHICAL SYMBOLS	DESCRIPTION	GRAPHICAL SYMBOLS	DESCRIPTION
	**CIRCUIT BREAKER WITH AUTOMATIC RELEASE**		**CAPACITOR (GENERAL SYMBOL)**		**BISTABLE RELAY**		**CHANGE-OVER BREAK BEFORE MAKE CONTACT**
	**CIRCUIT BREAKER WITH AUTOMATIC RELEASE AND BUILT-IN THERMOMAGNETIC RELEASE**		**CAPACITIVE VOLTAGE DIVIDER**		**COIL OF A MECHANICALLY LATCHED RELAY**		**DELAYED ACTION (IN THE DIRECTION OF MOVEMENT FROM THE ARC TOWARDS ITS CENTRE)**
			**CURRENT TRANSFORMER**		**INDICATOR, ELECTROMECHANICAL ELEMENT**		POSITION SWITCH (LIMIT SWITCH), MAKE CONTACT
	**SWITCH DISCONNECTOR**		RING CURRENT TRANSFORMER		**LAMP (GENERAL SYMBOL)**		**POSITION SWITCH (LIMIT SWITCH), MAKE CONTACT**
	**CONTACTOR**		**INDICATING INSTRUMENT GENERAL SYMBOL**		**SEMICONDUCTOR DIODE**		POSITION SWITCH (LIMIT SWITCH), BREAK CONTACT
	LOCK WITH FREE KEY WHEN THE DEVICE IS IN OPEN POSITION		**INTEGRATING INSTRUMENT (GENERAL SYMBOL)**		**LED**		**OPERATED BY TURNING**
	LOCK WITH FREE KEY WHEN THE DEVICE IS IN CLOSE POSITION		**DISCONNECTING FUSE, NOT WITH LIVE CIRCUIT AND WITH MECHANICAL LINKAGE (STRIKER FUSE))**		**TRANSDUCER OF ALTERNATING CURRENT MEASURE INTO DIRECT CURRENT SIGNAL**		**THREE HELD POSITIONS TURNING SWITCH**
	PLUG AND SOCKET (MALE AND FEMALE)		**OPERATING DEVICE (GENERAL SYMBOL)**		**EARTH, GROUND (GENERAL SYMBOL)**		**THREE POSITIONS TURNING SWITCH, WITH SPRING THROWBACK TO THE CENTRAL POSITION**
	**VOLTAGE TRANSFORMER WITH TWO WINDINGS**		**COIL OF A TIME DELAYED OPERATING RELAY**		**MAKE CONTACT**		MECHANICAL INTERLOCK BETWEEN TWO DEVICES
	**VOLTAGE TRANSFORMER WITH THREE WINDINGS**		**COIL OF A TIME DELAYED RELEASING RELAY**		**BREAK CONTACT**		

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CROSSWIND

ROSETTI MARINO

IMESA ELECTRICAL ENGINEERING

DWG n° : 231298/SD/33

Item n° : PF1002888/101

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Graphical Symbols

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00033

SHEET 3

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

GRAPHICAL SYMBOLS	DESCRIPTION	GRAPHICAL SYMBOLS	DESCRIPTION	GRAPHICAL SYMBOLS	DESCRIPTION	GRAPHICAL SYMBOLS	DESCRIPTION
	RESISTOR (GENERAL SYMBOL)		AMPEROMETRIC TEST SOCKET				
	THERMISTOR (GENERAL SYMBOL)		3 PHASES LINE + N				
	HEATING ELEMENT		1 PHASES LINE + N				
	INTERCONNECTION TERMINAL						
	WITHDRAWABLE TERMINAL SHORT-CIRCUITABLE ON C.T. SECONDARY CIRCUITS						
	WITHDRAWABLE TERMINAL FOR V.T. SECONDARY CIRCUITS						
	SWITCHBOARD TERMINAL						
	ON - OFF SWITCH						
	SURGE ARRESTER						
	VOLTMETRIC TEST SOCKET						

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IMESA ELECTRICAL ENGINEERING

ROSETTI MARINO

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LV SWBD FUNCTIONAL DIAGRAMS
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SHEET 4

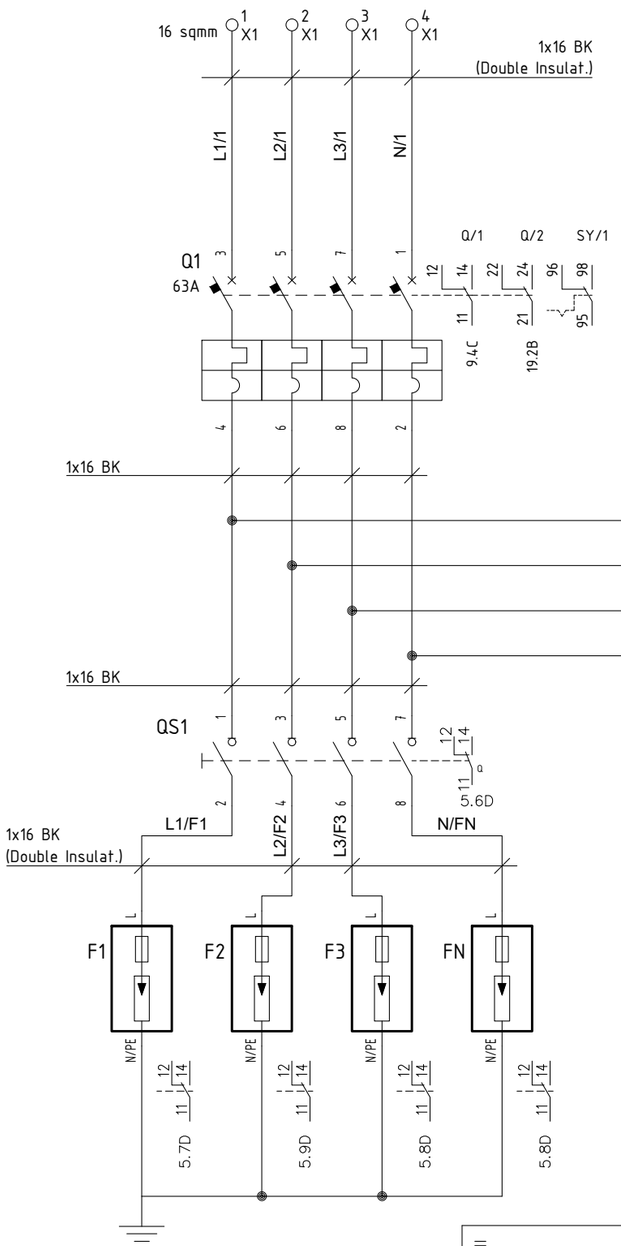
REV. 03

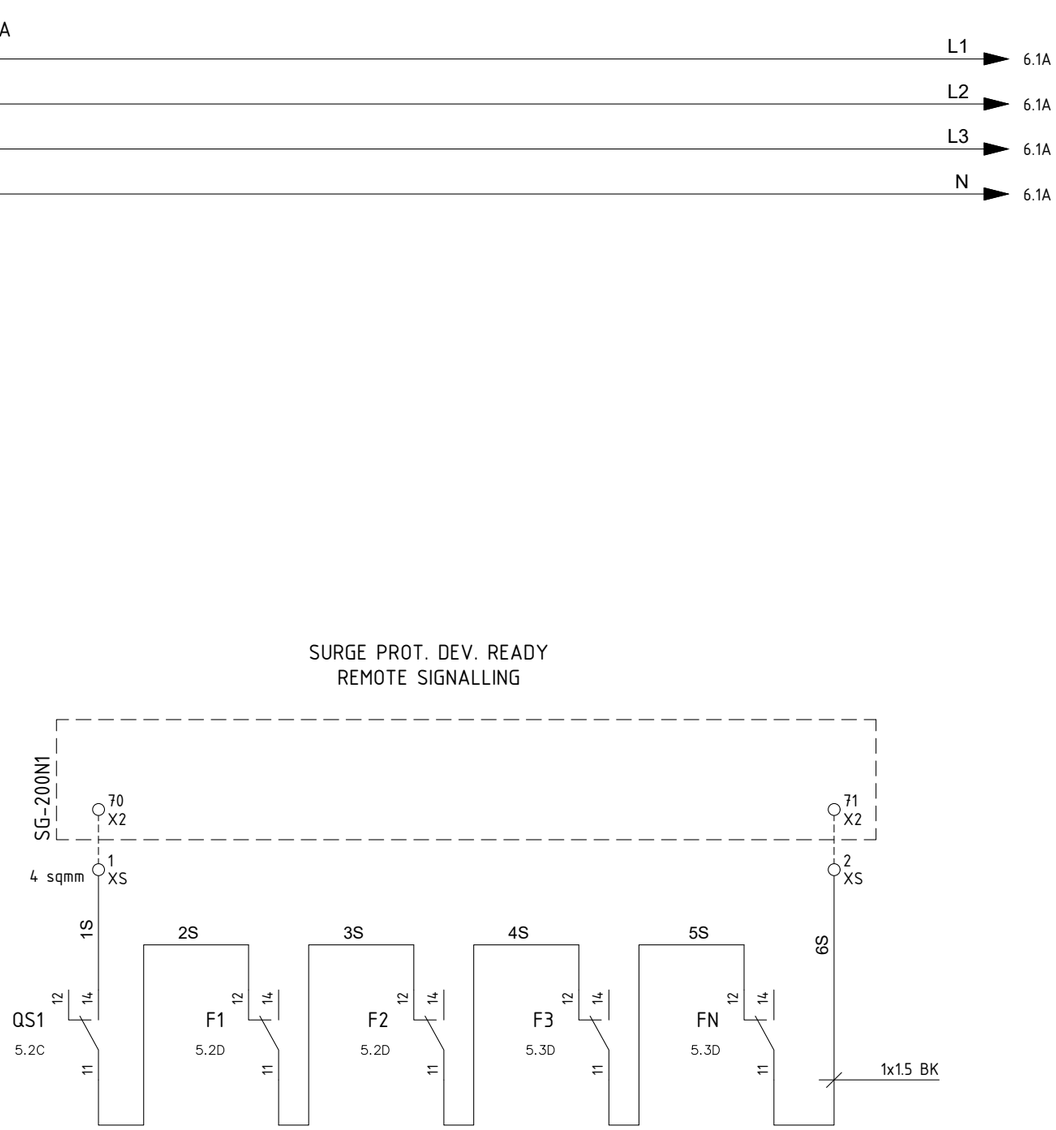
F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

INCOMINIG FROM
SG-200N1 LV SWBD
(5G16 sqmm)

~ 230/400V-50Hz-25kA-63A





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IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Functional Drawing

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00033

SHEET 5

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

NORMAL AND EMERGENCY LIGHTING FUNCTIONAL DIAGRAM

~ 230/400V-50Hz-25kA-63A

5.10A L1 — L1 7.1A
5.10A L2 — L2 7.1A
5.10A L3 — L3 7.1A
5.10A N — N 7.1A

1L1/T1 1N/T1
QT1 1A
6.7C
1x1.5 BK
FT
1x1.5 BK
NT

TWLIGHT SWITCH
AUTOM. OPERATION (UNMANNED)
MANUAL OPERATION (MANNED)
AUTOM. OPER. SIGNAL. (UNMANNED)
LIGHTING POWER ON COMMAND

SA1 UNMANNED MANNED
SA1 SELECTOR DRAWED IN POSIT. 1
SA1
KT1 6.4D
KT1 6.4D
1T 2T 3T 4T 5T 6T
4 sqmm
TW1 (1-100 LUX) POWER SUPPLY
EXTERNAL SENSOR (IP66); MAX. TOTAL LENGHT OF THE CONNECTION: 50m
SG-200N1
KT1
KL2 KL3 KL4 KL44 KL8 KL9 KL10 KL45
7T

LIGHTINGS ON REMOTE SIGNALLING
74 X2 — 5 XT — 15T — KL2 (6.6D) — 16T — KL3 (6.6D) — 17T — KL4 (6.7D) — 18T — KL44 (6.7D) — 1x1.5 BK
19T
KL8 (6.8D) — 20T — KL9 (6.8D) — 21T — KL10 (6.9D) — 22T — KL45 (6.9D) — 23T — 6 XT — 75 X2
4 sqmm

LIGHTINGS UTILITIES PROT. BREAKERS CLOSED REMOTE SIGNALLING
SG-200N1
76 X2 — 7 XT — 30T — QT1 (6.2A) — 31T — Q2 (7.2B) — 32T — Q3 (7.3B) — 33T — Q4 (7.5B) — 34T
Q10 (8.3B) — 37T — Q9 (8.2B) — 36T — Q8 (7.8B) — 35T — Q44 (7.6B) — 38T
1x1.5 BK
Q45 (8.5B) — 39T — 8 XT — 77 X2 — SG-200N1
4 sqmm

6.6B 2-1 / 4-3
7.2C 7.3C 7.5C 7.6C 7.8C 8.2C 8.3C 8.5C 2-1 / 4-3
6.7B 6.8B 6.8B 6.9B 6.7B 6.8B 6.8B 6.9B 34-33 / 22-21

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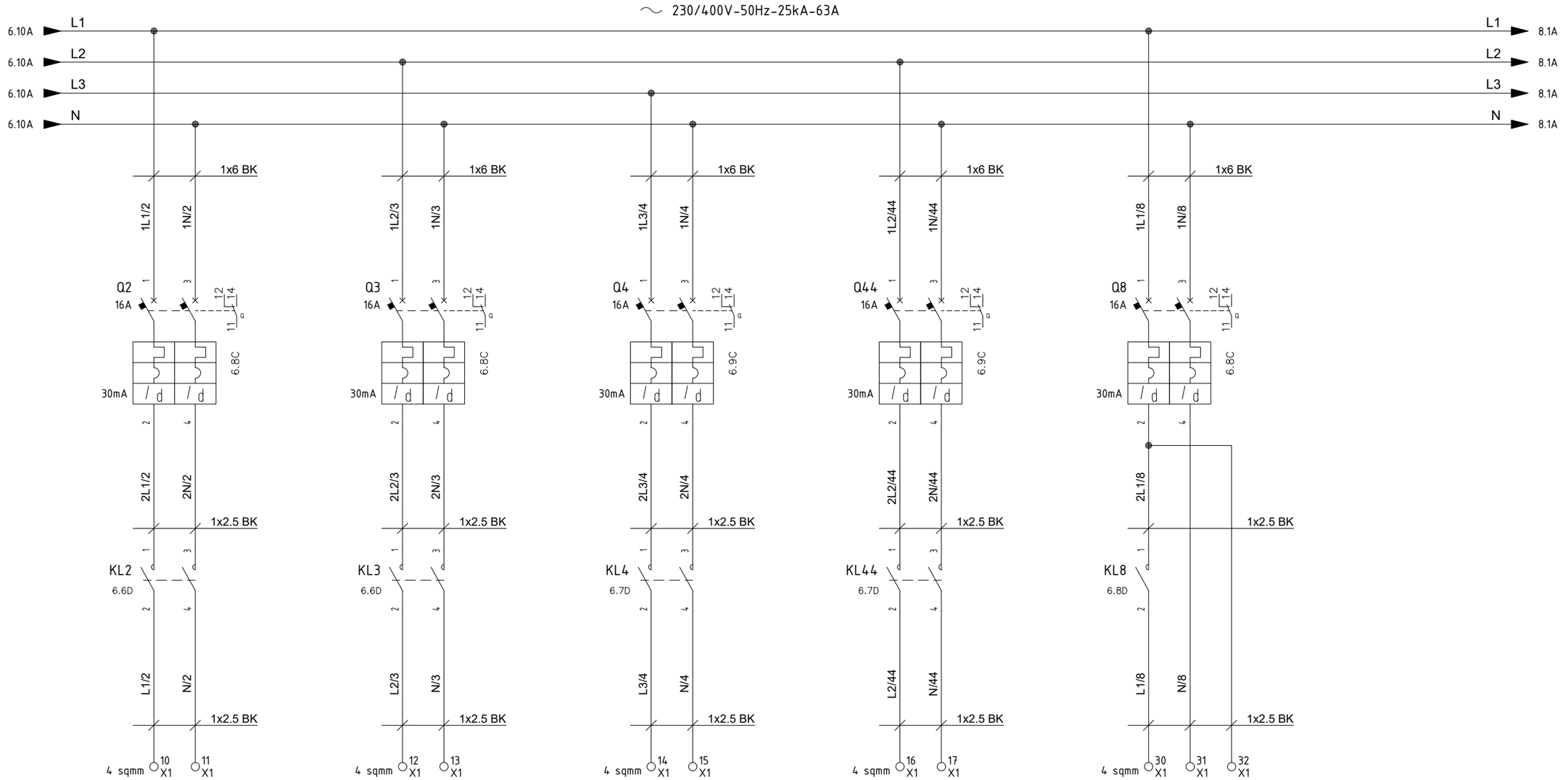
CROSSWIND
IMESA ELECTRICAL ENGINEERING
ROSETTI MARINO

DWG n° : 231298/SD/33
Item n° : PF1002888/101

TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Functional Drawing
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK
SCALE : NTS
A3
DRAWING NO. 1723002197-EL-DG-00033
SHEET 6
REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



EJB-200N1-02-L1-01
Normal Lighting Upper Deck - Circuit No. 1
(3G4 sqmm)

EJB-200N1-03-L2-01
Normal Lighting Lower Deck - Circuit No. 1
(3G4 sqmm)

EJB-200N1-04-L3-01
Normal Lighting stairs
(3G4 sqmm)

Spare
Normal Lighting - Spare

EJB-200N1-08-L1-01
Emergency Lighting Upper Deck - Circuit No. 1
(4G4 sqmm _E)

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TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Functional Drawing

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SCALE : NTS

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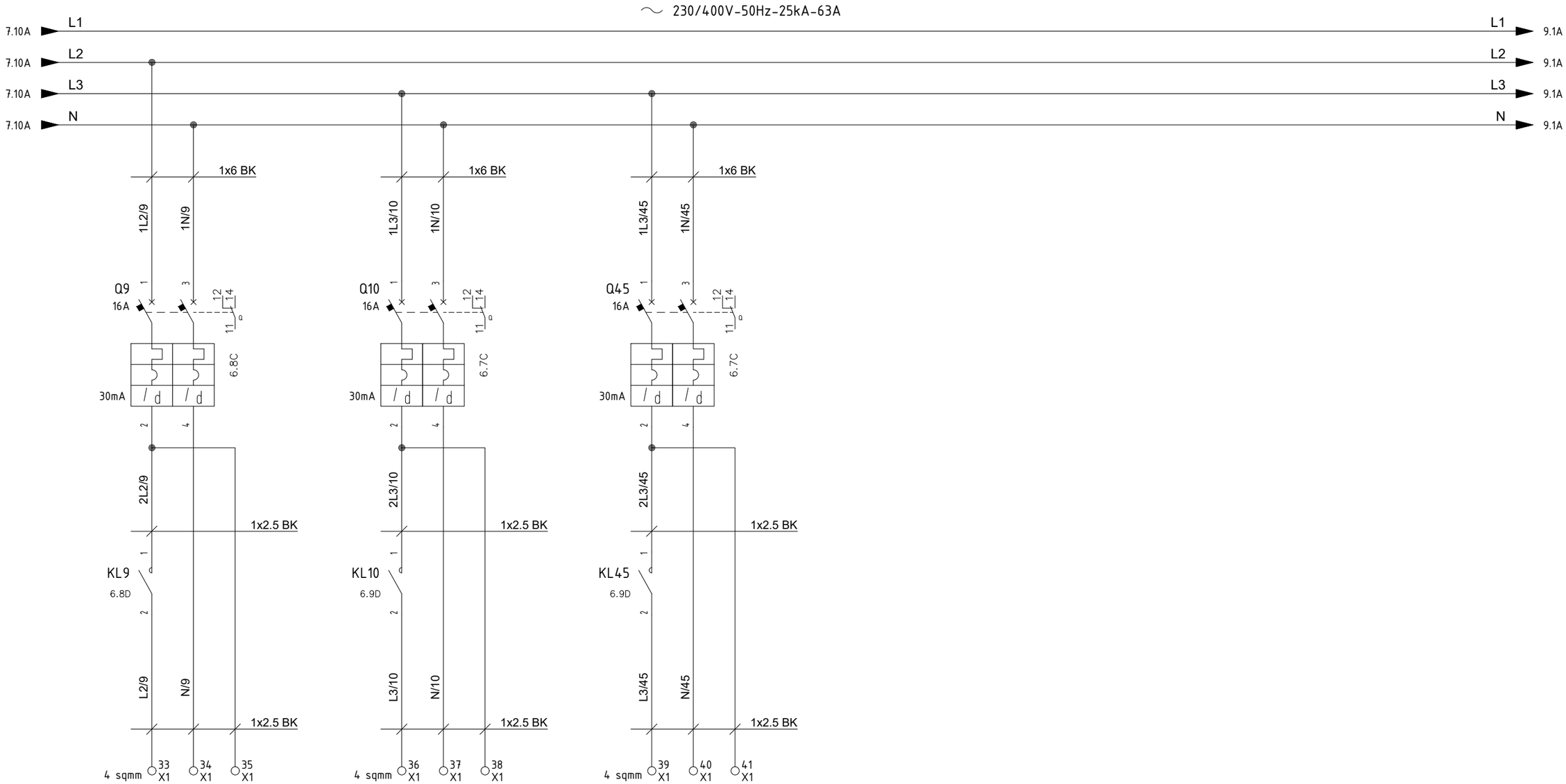
DRAWING NO. 1723002197-EL-DG-00033

SHEET 7

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



EJB-200N1-09-L2-01
Emergency Lighting Lower Deck - Circuit No. 1
(4G4 sqmm _E)

EJB-200N1-10-L3-01
Emergency Lighting stairs
(4G4 sqmm _E)

Spare
Emergency Lighting - SPARE

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IMESA ELECTRICAL ENGINEERING

CROSSWIND

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LV SWBD FUNCTIONAL DIAGRAMS
Functional Drawing

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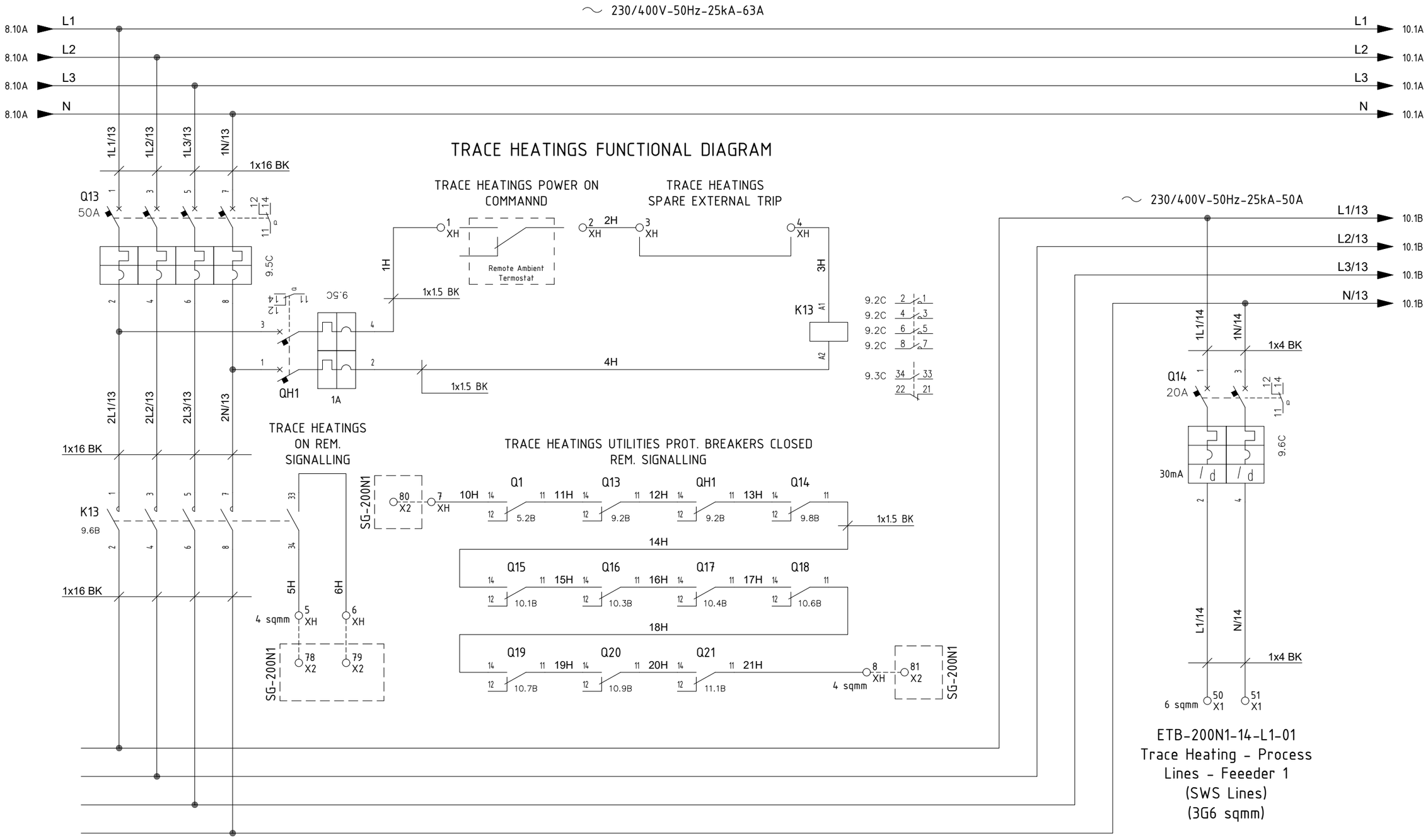
SHEET 8

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

TRACE HEATINGS FUNCTIONAL DIAGRAM



ETB-200N1-14-L1-01
Trace Heating - Process Lines - Feeeder 1
(SWS Lines)
(3G6 sqmm)

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LV SWBD FUNCTIONAL DIAGRAMS
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SCALE : NTS

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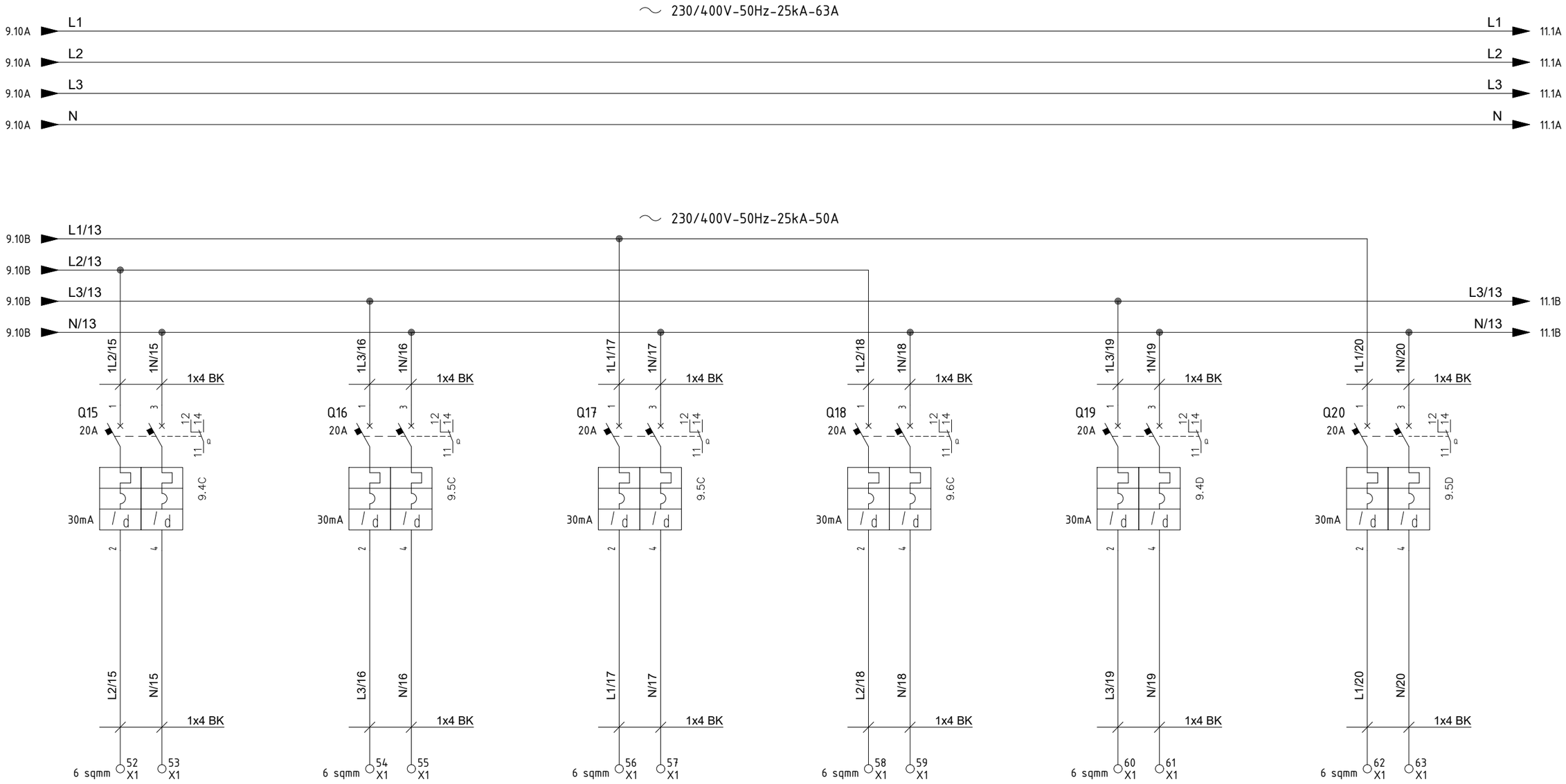
DRAWING NO. 1723002197-EL-DG-00033

SHEET 9

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



ETB-200N1-15-L2-01
Trace Heating - Process
Lines - Feeeder 2
(CI Lines)
(3G6 sqmm)

ETB-200N1-16-L3-01
Trace Heating - Process
Lines - Feeeder 3
(DM Line)
(3G6 sqmm)

ETB-200N1-17-L1-01
Trace Heating - Process
Lines - Feeeder 4
(WW Lines)
(3G6 sqmm)

ETB-200N1-18-L2-01
Trace Heating - Process
Lines - Feeeder 5
(Vassel Ko Drum)
(3G6 sqmm)

ETB-200N1-19-L3-01
Trace Heating - Process
Lines - Feeeder 6
(H2 Vent)
(3G6 sqmm)

ETB-200N1-20-L1-01
Trace Heating - Process -
Lines - Feeeder 7
(Sea Water Pumps)
(3G6 sqmm)

CROSSWIND

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TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Functional Drawing

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

A3 | DRAWING NO. 1723002197-EL-DG-00033 | SHEET 1.0 | REV. 03

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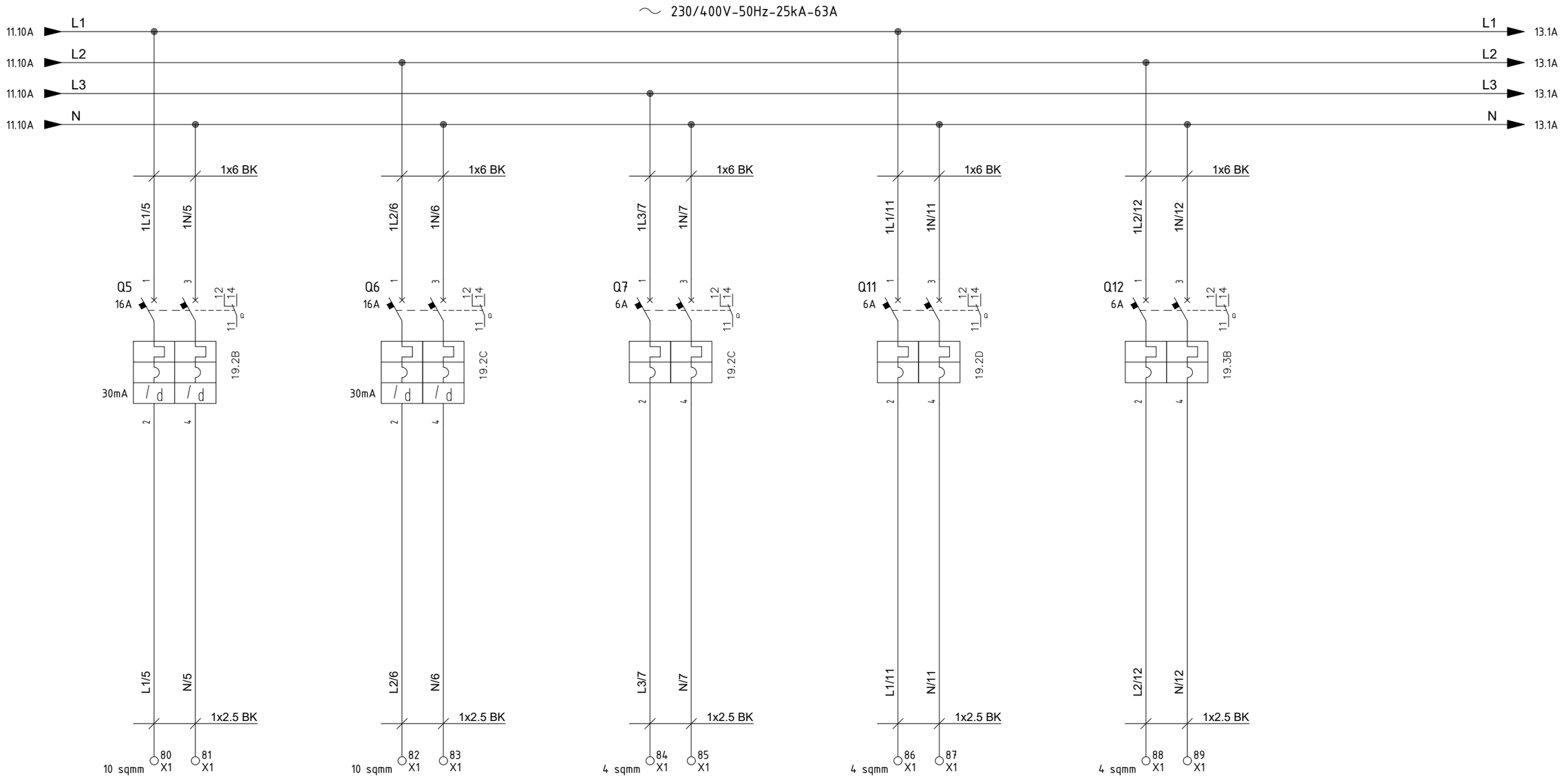
DRAWING NO. 1723002197-EL-DG-00033

SHEET 1.1

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



ESO-200N1-05-L1-01
Small Power Socket
(Upper Deck)
3G10 sqmm

ESO-200N1-06-L2-01
Small Power Socket
(Lower Deck)
3G10 sqmm

Spare

ESH-200N1-11-L1-01
Space heater JB - Wind
farm subsea cable
(3G2.5 sqmm)

ESH-200N1-12-L2-01
Space heater JB - Solar
subsea cable
(3G2.5 sqmm)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

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DWG n° : 231298/SD/33
Item n° : PF1002888/101

IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Functional Drawing

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

SCALE : NTS

A3

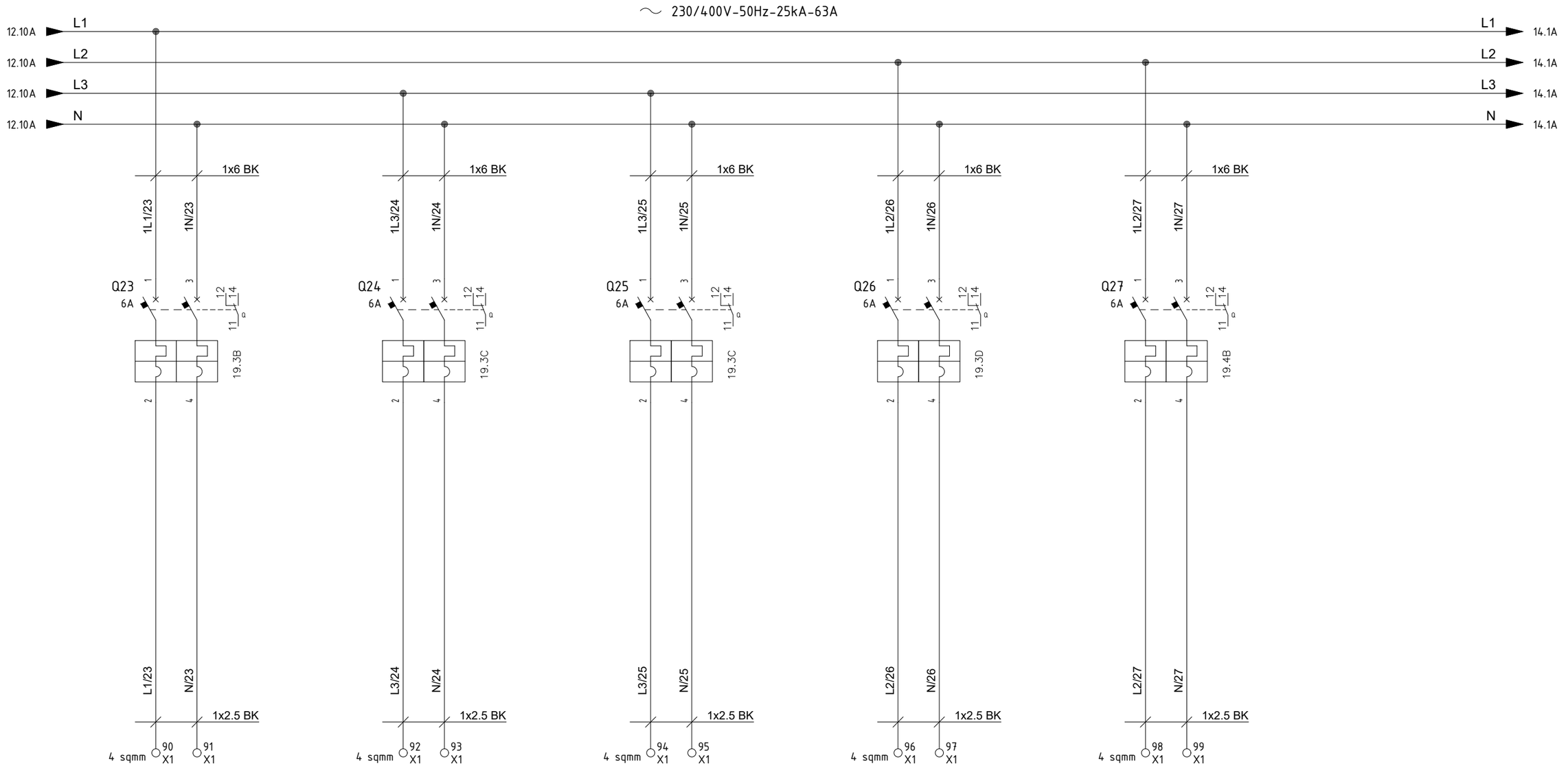
DRAWING NO. 1723002197-EL-DG-00033

SHEET 12

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



B400-SIS-001
SIS - Controller and I/O Cabinet - Auxiliary
(3G2.5 sqmm)

B400-PCS-001
PCS - Controller and I/O Cabinet - Auxiliary
(3G2.5 sqmm)

B400-EMCS-001
EMCS - Controller and I/O Cabinet - Auxiliary
(3G2.5 sqmm)

B400-FGS-001
FGS Fire & Gas Panel - Auxiliary
(3G2.5 sqmm)

B400-NET-001
System Server / Network Cabinet - Auxiliary
(3G2.5 sqmm)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
=					
+					
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

CROSSWIND

IMESA ELECTRICAL ENGINEERING

ROSETTI MARINO

DWG n° : 231298/SD/33
Item n° : PF1002888/101

TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Functional Drawing

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

SCALE : NTS

A3

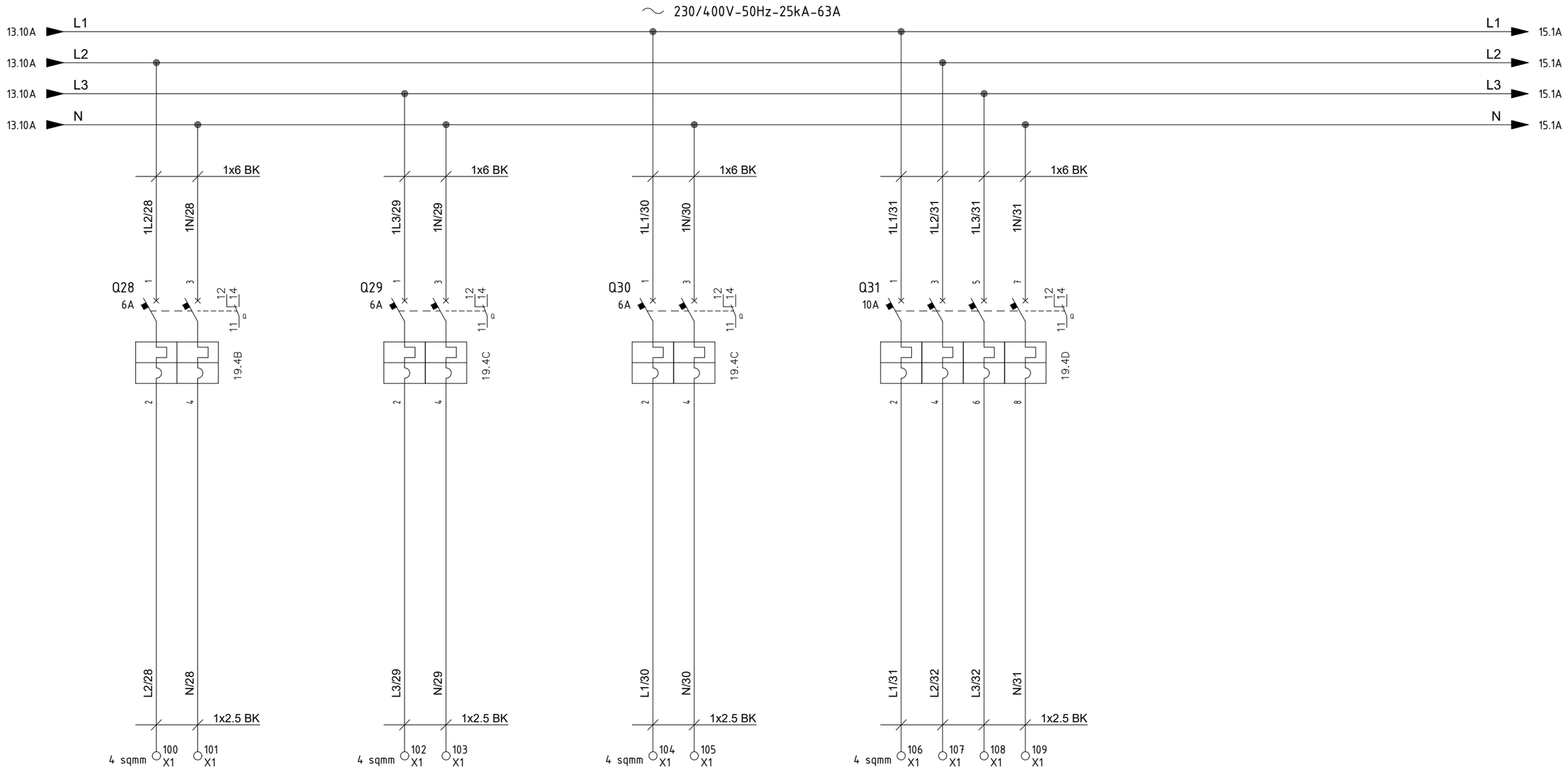
DRAWING NO. 1723002197-EL-DG-00033

SHEET 1.3

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



B400-SRV-001
Server cabinet ITER - Auxiliary
(3G2.5 sqmm)

CP-630E1
UPC - Instrument Air Package -A-63000 - Auxiliary
(3G2.5 sqmm)

CP-640F1
UPC - N2 Package - Auxiliary
(3G2.5 sqmm)

CP-100E2
Auxiliary Trafo OLTC
(5G4 sqmm)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
=					
+					
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

IMESA ELECTRICAL ENGINEERING
DWG n° : 231298/SD/33
Item n° : PF1002888/101

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Functional Drawing

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

SCALE : NTS

A3

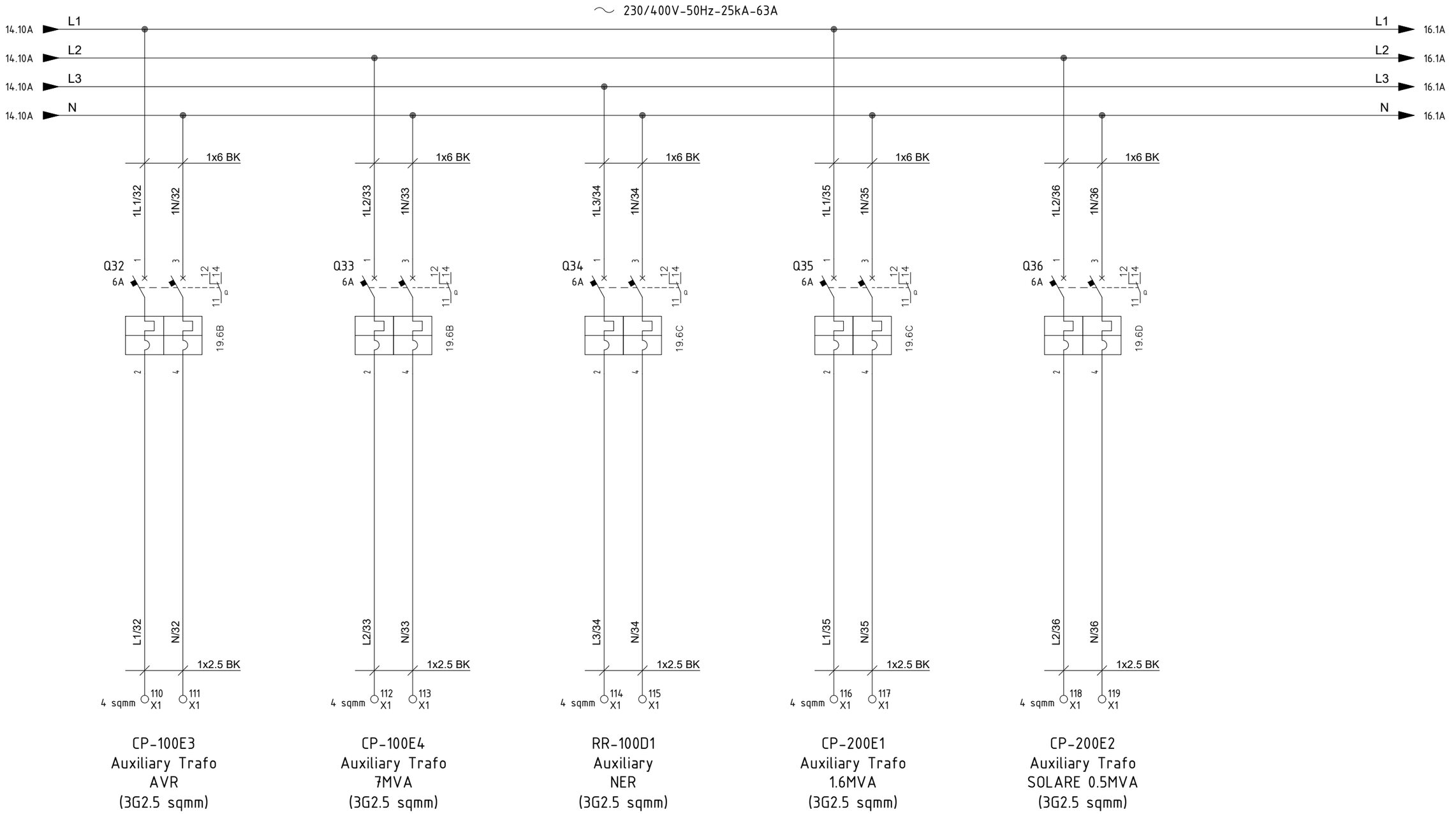
DRAWING NO. 1723002197-EL-DG-00033

SHEET 1.4

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



CP-100E3
Auxiliary Trafo
AVR
(3G2.5 sqmm)

CP-100E4
Auxiliary Trafo
7MVA
(3G2.5 sqmm)

RR-100D1
Auxiliary
NER
(3G2.5 sqmm)

CP-200E1
Auxiliary Trafo
1.6MVA
(3G2.5 sqmm)

CP-200E2
Auxiliary Trafo
SOLARE 0.5MVA
(3G2.5 sqmm)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
=					
+					
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

IMESA ELECTRICAL ENGINEERING

DWG n° : 231298/SD/33

Item n° : PF1002888/101

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Functional Drawing

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

SCALE : NTS

A3

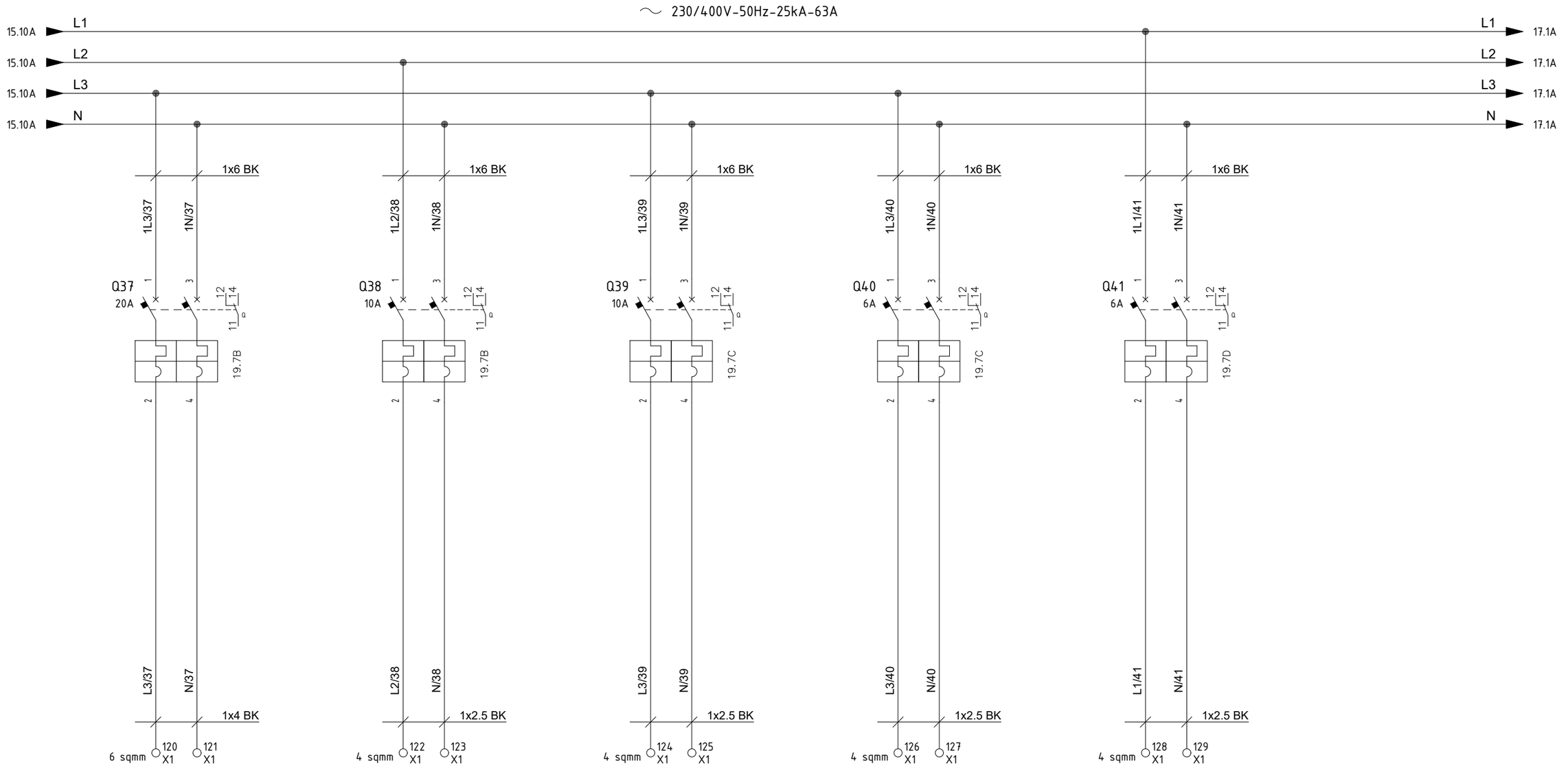
DRAWING NO. 1723002197-EL-DG-00033

SHEET 15

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



CP-100E1
Auxiliary
GIS
(3G6 sqmm)

SG-100D1
Auxiliary 6.6kV
Switchboard
(3G2.5 sqmm)

SG-200N1
Auxiliary
LV Switchboard
(3G2.5 sqmm)

SG-200D2
Auxiliary
SOLAR SWGR
(3G2.5 sqmm)

UP-200F3
AC UPS PAS - 30 min -
UP-200F3 - Auxiliary
(3G2.5 sqmm)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
=					
+					
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

DWG n° : 231298/SD/33
Item n° : PF1002888/101

IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Functional Drawing

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

SCALE : NTS

A3

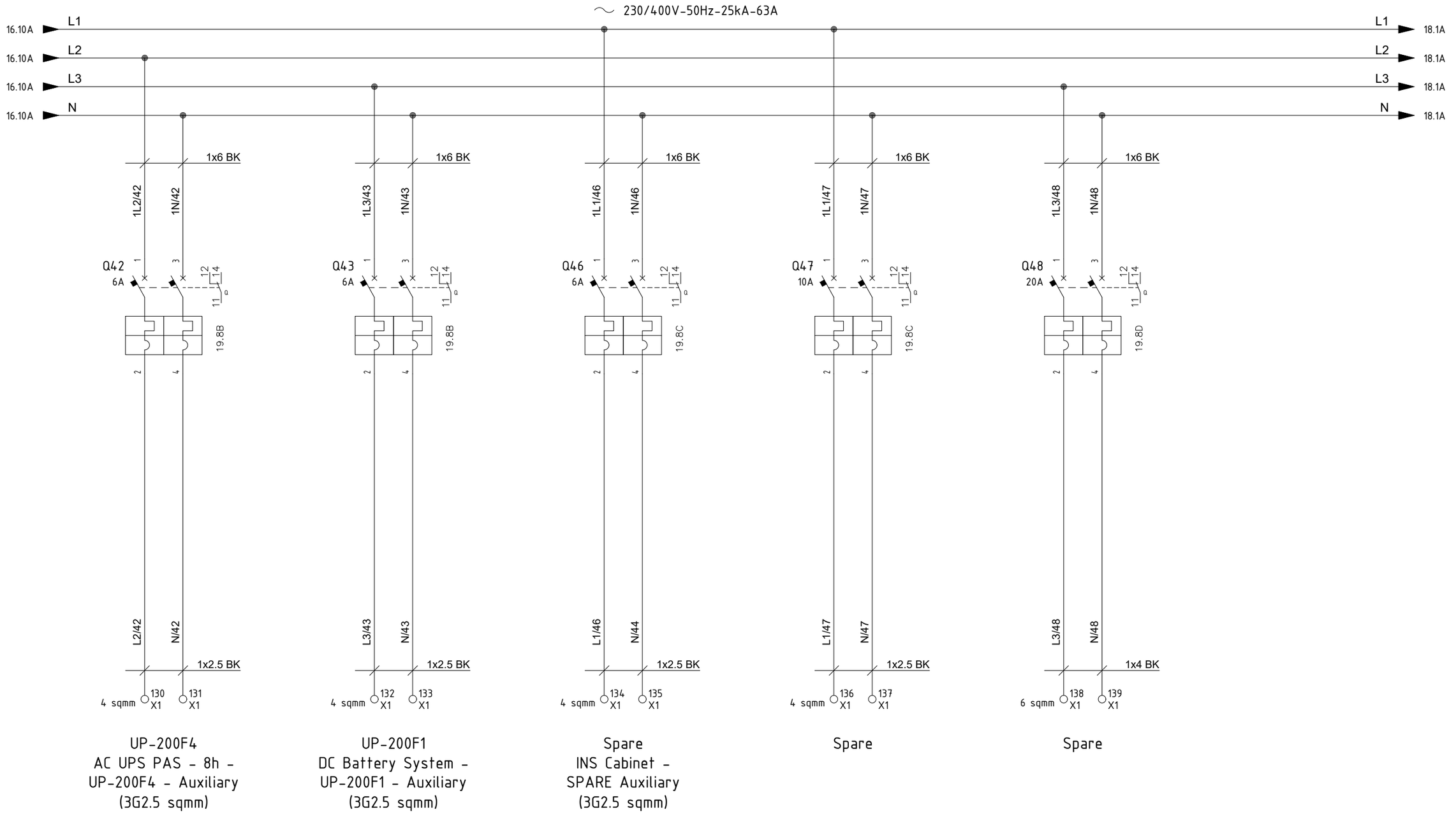
DRAWING NO. 1723002197-EL-DG-00033

SHEET 1.6

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



UP-200F4
AC UPS PAS - 8h -
UP-200F4 - Auxiliary
(3G2.5 sqmm)

UP-200F1
DC Battery System -
UP-200F1 - Auxiliary
(3G2.5 sqmm)

Spare
INS Cabinet -
SPARE Auxiliary
(3G2.5 sqmm)

Spare

Spare

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
=					
+					
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

CROSSWIND

ROSETTI MARINO

IMESA ELECTRICAL ENGINEERING

DWG n° : 231298/SD/33

Item n° : PF1002888/101

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Functional Drawing

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

SCALE : NTS

A3

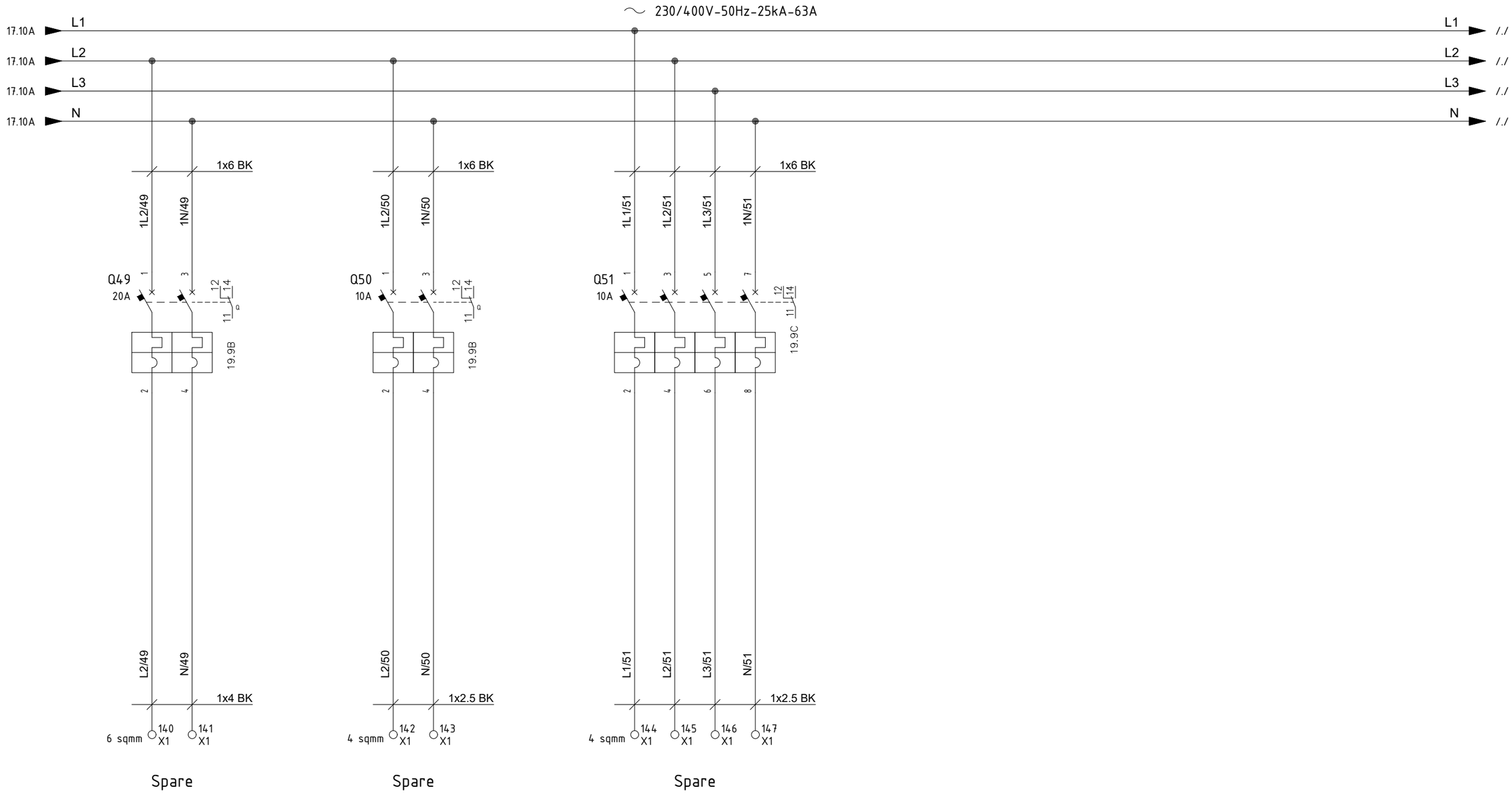
DRAWING NO. 1723002197-EL-DG-00033

SHEET 17

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
=					
+					
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

DWG n° : 231298/SD/33
Item n° : PF1002888/101

IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Functional Drawing

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00033

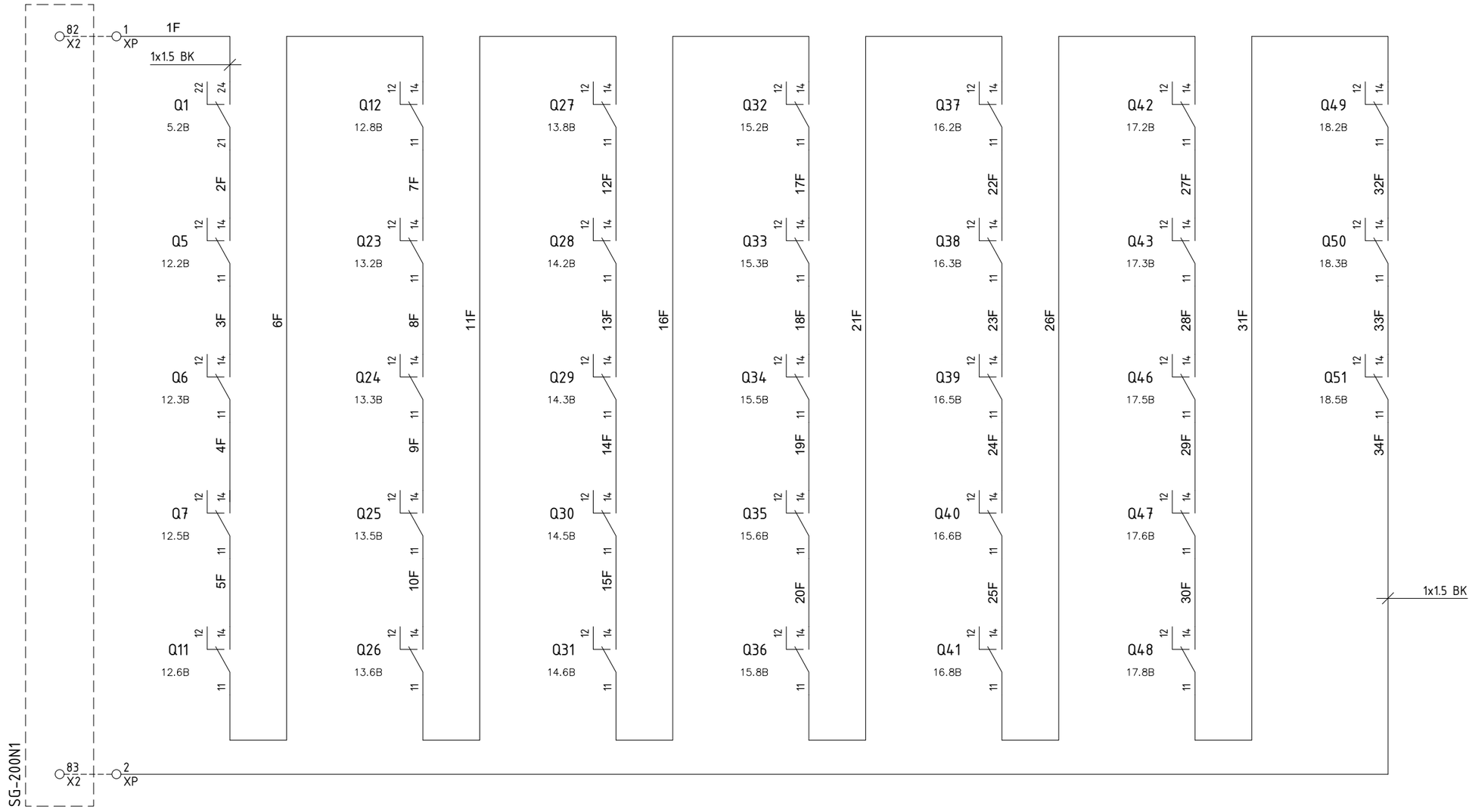
SHEET 18

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

MAIN AND UTILITIES PROTECTION BREAKERS CLOSED REMOTE SIGNALLING
(EXCLUDING: SURGE ARRESTERS SWITCH, LIGHTING UTILITIES PROT. BREAKERS, TRACE HEATING MAIN PROT. BREAKER AND RELATIVE SINGLE UTILITIES PROT. BREAKERS)



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
=					
+					
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

IMESA ELECTRICAL ENGINEERING

DWG n° : 231298/SD/33

Item n° : PF1002888/101

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Functional Drawing

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00033

SHEET 19

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

DP-200N1 - DP-200N1
X1
POWER UTILITY BLOCK

NumM	Fg.	Sez.	Tipo	Descrizione	Costruttore
1	005.2A	16	CB510	CBD.16 Feed-through terminal ATEX CQ403	Cabur
2	005.2A	16	CB510	CBD.16 Feed-through terminal ATEX CQ403	Cabur
3	005.2A	16	CB510	CBD.16 Feed-through terminal ATEX CQ403	Cabur
4	005.3A	16	CB510	CBD.16 Feed-through terminal ATEX CQ403	Cabur
10	007.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
11	007.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
12	007.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
13	007.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
14	007.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
15	007.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
16	007.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
17	007.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
30	007.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
31	007.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
32	007.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
33	008.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
34	008.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
35	008.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
36	008.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
37	008.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
38	008.4D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
39	008.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
40	008.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
41	008.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
50	009.8D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
51	009.9D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
52	010.1D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
53	010.2D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
54	010.3D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
55	010.3D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
56	010.4D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
57	010.5D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
58	010.6D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
59	010.6D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
60	010.7D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
61	010.8D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur

DP-200N1 - DP-200N1
X1
POWER UTILITY BLOCK

NumM	Fg.	Sez.	Tipo	Descrizione	Costruttore
62	010.9D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
63	010.9D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
64	011.1D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
65	011.2D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
80	012.2D	10	CB440	CBD.10 Feed-through terminal ATEX CQ403	Cabur
81	012.2D	10	CB440	CBD.10 Feed-through terminal ATEX CQ403	Cabur
82	012.3D	10	CB440	CBD.10 Feed-through terminal ATEX CQ403	Cabur
83	012.3D	10	CB440	CBD.10 Feed-through terminal ATEX CQ403	Cabur
84	012.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
85	012.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
86	012.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
87	012.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
88	012.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
89	012.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
90	013.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
91	013.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
92	013.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
93	013.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
94	013.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
95	013.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
96	013.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
97	013.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
98	013.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
99	013.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
100	014.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
101	014.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
102	014.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
103	014.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
104	014.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
105	014.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
106	014.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
107	014.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
108	014.7D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
109	014.7D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
110	015.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
111	015.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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+					
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

DWG n° : 231298/SD/33
Item n° : PF1002888/101

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Power Teminal Block

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

A3 | DRAWING NO. 1723002197-EL-DG-00033 | SHEET 20 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

DP-200N1 - DP-200N1

X1

POWER UTILITY BLOCK

NumM	Fg.	Sez.	Tipo	Descrizione	Costruttore
112	015.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
113	015.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
114	015.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
115	015.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
116	015.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
117	015.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
118	015.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
119	015.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
120	016.2D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
121	016.2D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
122	016.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
123	016.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
124	016.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
125	016.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
126	016.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
127	016.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
128	016.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
129	016.8D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
130	017.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
131	017.2D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
132	017.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
133	017.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
134	017.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
135	017.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
136	017.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
137	017.6D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
138	017.8D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
139	017.8D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
140	018.2D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
141	018.2D	6	CB340	CBD.6 Feed-through terminal ATEX CQ403	Cabur
142	018.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
143	018.3D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
144	018.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
145	018.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
146	018.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur
147	018.5D	4	CB240	CBD.4 Feed-through terminal ATEX CQ403	Cabur

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

DWG n° : 231298/SD/33

Item n° : PF1002888/101

IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Power Teminal Block

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00033

SHEET 21

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

DP-200N1 - DP-200N1
XS
SURGE ARRESTER AUX. BLOCK

NumM	Fg.	Sez.	Tipo	Descrizione	Costruttore
1	5.6C	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
2	5.9D	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur

DP-200N1 - DP-200N1
XP
POWER UTILITY READY BLOCK

NumM	Fg.	Sez.	Tipo	Descrizione	Costruttore
1	19.2A	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
2	19.9D	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur

DP-200N1 - DP-200N1
XT
NORM. & EMERG. LIGHTING AUX. BLOCK

NumM	Fg.	Sez.	Tipo	Descrizione	Costruttore
1	6.3D	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
2	6.3D	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
3	6.4C	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
4	6.5C	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
5	6.7B	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
6	6.10B	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
7	6.7C	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
8	6.10C	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur

DP-200N1 - DP-200N1
XH
TRACE HEATING AUX. BLOCK

NumM	Fg.	Sez.	Tipo	Descrizione	Costruttore
1	9.4B	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
2	9.5B	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
3	9.5B	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
4	9.6B	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
5	9.3D	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
6	9.3D	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
7	9.4C	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur
8	9.6D	4	HM250GR	HMM.4/GR Feed-through Terminal Block - Grey (4 mmq) - spring type	Cabur

CROSSWIND

IMESA ELECTRICAL ENGINEERING

ROSETTI MARINO

DWG n° : 231298/SD/33
Item n° : PF1002888/101

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Auxiliary Terminal Blocks

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00033

SHEET 22

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Fg/Sh	Q.ta/Q.ty
F1	961205	LV SURGE ARRESTER DVCI 1 255 FM Uc=255V Tipo 1+Tipo 2 / Classe I + Classe II	DEHN	5	1
F2	961205	LV SURGE ARRESTER DVCI 1 255 FM Uc=255V Tipo 1+Tipo 2 / Classe I + Classe II	DEHN	5	1
F3	961205	LV SURGE ARRESTER DVCI 1 255 FM Uc=255V Tipo 1+Tipo 2 / Classe I + Classe II	DEHN	5	1
FN	961205	LV SURGE ARRESTER DVCI 1 255 FM Uc=255V Tipo 1+Tipo 2 / Classe I + Classe II	DEHN	5	1
K13	ESB6340N06	ESB 63-40N-06 230V AC/DC MODULAR CONTACTOR	ABB	9	1
	EH0411N	EH04-11N AUXILIARY CONTACTS 1NO+1NC	ABB		1
KL2	ESB4020N06	ESB40-20-N06 230V AC/DC MODULAR CONTACTOR	ABB	6	1
	EH0411N	EH04-11N CONTATTI AUSILIARI 1NA+1NC	ABB		1
KL3	ESB4020N06	ESB40-20-N06 230V AC/DC MODULAR CONTACTOR	ABB	6	1
	EH0411N	EH04-11N CONTATTI AUSILIARI 1NA+1NC	ABB		1
KL4	ESB4020N06	ESB40-20-N06 230V AC/DC MODULAR CONTACTOR	ABB	6	1
	EH0411N	EH04-11N CONTATTI AUSILIARI 1NA+1NC	ABB		1
KL8	ESB4020N06	ESB40-20-N06 230V AC/DC MODULAR CONTACTOR	ABB	6	1
	EH0411N	EH04-11N CONTATTI AUSILIARI 1NA+1NC	ABB		1
KL9	ESB4020N06	ESB40-20-N06 230V AC/DC MODULAR CONTACTOR	ABB	6	1
	EH0411N	EH04-11N CONTATTI AUSILIARI 1NA+1NC	ABB		1
KL10	ESB4020N06	ESB40-20-N06 230V AC/DC MODULAR CONTACTOR	ABB	6	1
	EH0411N	EH04-11N CONTATTI AUSILIARI 1NA+1NC	ABB		1
KL44	ESB4020N06	ESB40-20-N06 230V AC/DC MODULAR CONTACTOR	ABB	6	1
	EH0411N	EH04-11N CONTATTI AUSILIARI 1NA+1NC	ABB		1
KL45	ESB4020N06	ESB40-20-N06 230V AC/DC MODULAR CONTACTOR	ABB	6	1
	EH0411N	EH04-11N CONTATTI AUSILIARI 1NA+1NC	ABB		1
KT1	ESB1620N06	ESB16-20-N06 230VAC/DC MODULAR CONTACTOR	ABB	6	1
Q1	XT2N63LSI4	XT2N 160 Ekip LSI In=63A 4p F F	ABB	5	1
	1SDA066433R1	AUX-C 2Q+1SY 250Vac/dc XT1..XT4 F/P	ABB		1
Q2	S302PC16	S302P C16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	7	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q3	S302PC16	S302P C16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	7	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q4	S302PC16	S302P C16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	7	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q5	S302PC16	S302P C16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	12	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q6	S302PC16	S302P C16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	12	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q7	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	12	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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DWG n° : 231298/SD/33
Item n° : PF1002888/101

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Material List

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

A3 | DRAWING NO. 1723002197-EL-DG-00033 | SHEET 23 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Fg/Sh	Q.ta/Q.ty
Q8	S302PD16	S302P D16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	7	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q9	S302PD16	S302P D16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	8	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q10	S302PD16	S302P D16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	8	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q11	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	12	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q12	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	12	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q13	S120471	S804N-C50 AUTOMATIC CIRCUIT-BREAKER 36KA 4P	ABB	9	1
	A120680	S800-AUX AUSILIARY CONTACT	ABB		1
Q14	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	9	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q15	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	10	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q16	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	10	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q17	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	10	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q18	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	10	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q19	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	10	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q20	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	10	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q21	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	11	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q23	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	13	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q24	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	13	1

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

IMESA ELECTRICAL ENGINEERING

DWG n° : 231298/SD/33

Item n° : PF1002888/101

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Material List

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00033

SHEET 24

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Fg/Sh	Q.ta/Q.ty
Q24	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB	13	1
Q25	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	13	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q26	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	13	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q27	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	13	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q28	S302PC6	S302P C 6 INTERRUTTORE AUTOMATICO 25KA 2P	ABB	14	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q29	S302PC6	S302P C 6 INTERRUTTORE AUTOMATICO 25KA 2P	ABB	14	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q30	S302PC6	S302P C 6 INTERRUTTORE AUTOMATICO 25KA 2P	ABB	14	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q31	S304PC10	S304P C10 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	14	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q32	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	15	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q33	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	15	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q34	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	15	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q35	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	15	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q36	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	15	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q37	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	16	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q38	S302PC10	S302P C10 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	16	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q39	S302PC10	S302P C10 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	16	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q40	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	16	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q41	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	16	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q42	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	17	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q43	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	17	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q44	S302PC16	S302P C16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	7	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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DWG n° : 231298/SD/33
Item n° : PF1002888/101

CROSSWIND

IMESA ELECTRICAL ENGINEERING

ROSETTI MARINO

TITLE : "DP-200N1"
LV SWBD FUNCTIONAL DIAGRAMS
Material List

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

A3 | DRAWING NO. 1723002197-EL-DG-00033 | SHEET 25 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03

Nome/Item	Tipo/Type	Descrizione/Description	Costruttore/Manufacturer	Fg/Sh	Q.ta/Q.ty
Q45	S302PD16	S302P D16 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	8	1
	B427911	DDA202 AC 25A 30MA RCD BLOCK 2P	ABB		1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q46	S302PC6	S302P C 6 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	17	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q47	S302PC10	S302P C10 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	17	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q48	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	17	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q49	S302PC20	S302P C20 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	18	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q50	S302PC10	S302P C10 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	18	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
Q51	S304PC10	S304P C10 AUTOMATIC CIRCUIT-BRAKER 25KA 2P	ABB	18	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
QH1	S302PC1	S302P C 1 AUTOMATIC CIRCUIT-BREAKER 25KA 2P	ABB	9	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
QS1	M646307	E204/100R INTERRUTTORE-SEZIONATORE 4P 100A	ABB	5	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
QT1	S302PC1	S302P C 1 INTERRUTTORE AUTOMATICO 25KA 2P	ABB	6	1
	A563826	S2-CH6R AUXILIARY CONTACT 1CO	ABB		1
SA1	M093878	E218-16-22 SWITCH 2NO+2NC 16A	ABB	6	1
TW1	11.31.0.230.0000	TWILIGHT SWITCH (1-100 LUX) 110-230VAC/DC + EXTERNAL SENSOR (IP66) 011.03	Finder	6	1

CROSSWIND

IMESA ELECTRICAL ENGINEERING

ROSETTI MARINO

DWG n° : 231298/SD/33

Item n° : PF1002888/101

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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+					
3	12/03/2025	Santinelli	Flamminio	Sigismondi	Replaced Twiligh Switch TW1
2	19/08/2024	Santinelli	Flamminio	Sigismondi	As Built (ASB)
1	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
0	29/05/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

TITLE : "DP-200N1"

LV SWBD FUNCTIONAL DIAGRAMS

Material List

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00033

SHEET 26

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00033 Rev. 03