BASE LOAD POWER HUB (BLPH)

EARTHING & LIGHTNING LAYOUT

UPSs & BATTERIES SWITCHROOM

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	SPS	FMA/AMA	CGI	AS-BUILT (ASB)
01	25/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/05/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
EARTHING & LIGHTNING LAYOUT – UPSs & BATTERIES SWITCHROOM
FRONT PAGE

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

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DL-20138

SHEET 001

REV. 02

File Name : 123A90-DDL-EL-DL-20138 Rev. 02

F.to UNI A3: 420mmx297mm

REV.	SHEET NUMBER	DESCRIPTION	REF. CODE
01	001	FRONT PAGE	
01	002	SUMMARY	
01	003	"B-300" UPSs & BATTERIES SWITCHROOM	

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	SPS	FMA/AMA	CGI	AS-BUILT (ASB)
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CROSSWIND

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TITLE : BASE LOAD POWER HUB (BLPH)
EARTHING & LIGHTNING LAYOUT – UPSs & BATTERIES SWITCHROOM
SUMMARY

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

SCALE : NTS

A3

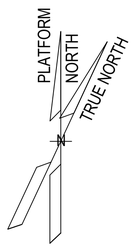
DRAWING NO. 123A90-DDL-EL-DL-20138

SHEET 002

REV. 02

F.to UNI A3: 420mmx297mm

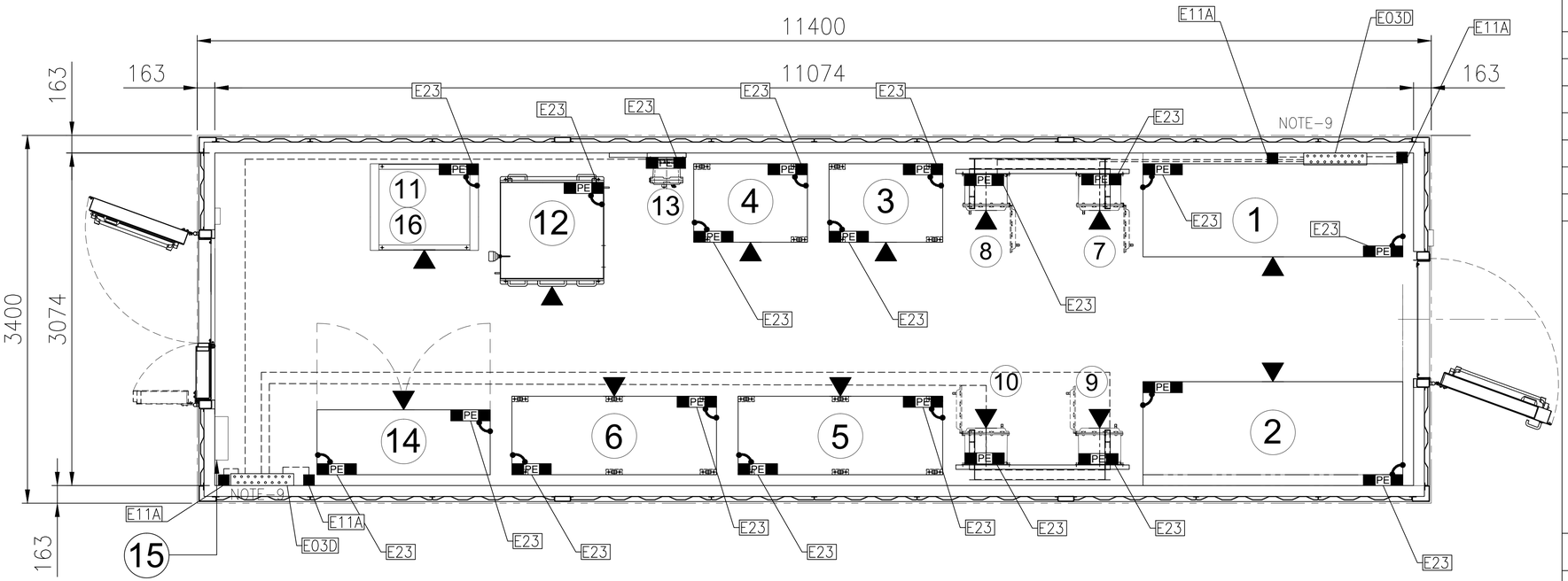
File Name : 123A90-DDL-EL-DL-20138 Rev. 02



EQUIPMENT LIST		
REF.	TAG No.	DESCRIPTION
1	UP-200F3	AC UPS 35kVA
2	UP-200F4	AC UPS 15kVA
3	BA-200F3A	BATTERY RACK GEL VRLA 7y AC UPS 35kVA
4	BA-200F3B	BATTERY RACK GEL VRLA 7y AC UPS 35kVA
5	BA-200F4A	BATTERY RACK GEL VRLA 7y AC UPS 15kVA
6	BA-200F4B	BATTERY RACK GEL VRLA 7y AC UPS 15kVA
7	CB-200F3A	ISOLATOR BOX AC UPS 35kVA
8	CB-200F3B	ISOLATOR BOX AC UPS 35kVA
9	CB-200F4A	ISOLATOR BOX AC UPS 15kVA
10	CB-200F4B	ISOLATOR BOX AC UPS 15kVA
11	NC-200F2_BC-200F2A/B	NAVAID PANEL
12	BA-200F2	BATTERY BOX NAVAID
13	CB-200F2	ISOLATOR BOX NAVAID
14	B300-HSB-001	DISTRIBUTION & HVAC PANEL – AC/UPS ROOM
15	–	EYE WASH STATION
16	BC-200F2	BATTERY CHARGER NAVAID

NOTES

1. THIS DOUCMENT IS VALID ONLY FOR EARTHING LAYOUT.
2. THE CABLE SIZE SHALL BE CONFIRMED.
3. THE EXACT POSITION OF EARTHING/MARSHALLING BUS BAR SHALL BE DEFINED BY VENDOR.
4. THE EARTHING BUS BAR INSTALLATION SHALL BE PREFERABLY IN VERTICAL MODE.
5. FOR TYPICAL DETAILS PLEASE REFER DOCUMENT "123A90-DDL-EL-DD-20090-ELECTRICAL TYPICAL INSTALLATION DETAILS-EARTHING SYSTEM".
6. DUE TO THE TOP CABLE ENTRIES THE EARTHING BUS BAR INSIDE THE CABINETS SHALL BE INSTALLED AT THE TOP OF THE CABINETS THEMSELVES.
7. FOR LIGHTNING PROTECTION SYSTEM SURGE PROTECTIVE DEVICES (SPD), REFER DOCUMENT 123A90-DDL-EL-RE-20154.
8. ALL THE NON WELDED OBJECTS SHALL BE EARTHED.
9. CONTAINER WILL HAVE A BTH (EARTHING BAR TINNED COPPER) WITH 2 EARTHING BOSS, INSTALLED IN THE SOUTH-WEST CORNER AT AN ELEVATION OF 2.5M FROM THE CONTAINER FLOOR. EARTHING BOSS SHALL BE INSTALLED AT SAME ELEVATION 2.5M.



EARTHING LAYOUT

"B-300" UPSs & BATTERIES SWITCHROOM

PLAN

EL.+ 23.310 T.O.S.

SYMBOL	DESCRIPTION
PE	EARTHING BUS
	EARTHING BAR TINNED COPPER WITH no.18 HOLES
	35sq.mm Y/G INSULATED COPPER CONDUCTOR FOR PE
PE	PROTECTIVE EARTH
	EARTHING BOSS AISI316L
	JUMPER CONNECTION
	FRONT OF EQUIPMENT

REFERENCE	
DOCUMENT NUMBER	DOCUMENT TITLE
123A90-DDL-EL-DD-20090	ELECTRICAL TYPICAL INSTALLATION DETAILS -EARTHING SYSTEM
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT-UPSs & BATTERIES SWITCHROOM
1724000049-AR-DD-00020	B-300 DETAILED DRAWINGS – E&I SHELTERS

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CROSSWIND

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TITLE : BASE LOAD POWER HUB (BLPH)

EARTHING & LIGHTNING LAYOUT – UPSs & BATTERIES SWITCHROOM "B-300" UPSs & BATTERIES SWITCHROOM

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

SCALE : 1:50

A3

DRAWING NO. 123A90-DDL-EL-DL-20138

SHEET 003

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DL-20138 Rev. 02