BASE LOAD POWER HUB (BLPH)

NAVIGATION AIDS SYSTEM

BLOCK DIAGRAM

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
	06/11/2024

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	28/10/24	A.B.	M.G.	R.M.	AS–BUILT (ASB)
03	26/09/24	A.B.	M.G.	R.M.	ACCEPTED FOR CONSTRUCTION (AFC)
02	19/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–1

sice

CROSSWIND | ROSETTI MARINO

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

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

A3 | DRAWING NO. 1724000775–EL–DG–00008 | SHEET 001 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DG–00008 REV.4.DWG

REV. No.	SHEET No.	DESCRIPTION	REF. CODE
04	001	FRONT PAGE	
04	002	SUMMARY AND GENERAL NOTES	
04	003	NAVIGATION AIDS SYSTEM – BLOCK DIAGRAM	

GENERAL NOTES

(1) = EQUIPMENT TO BE PROVIDED BY OTHERS (NOT INCLUDED IN SICE SCOPE OF SUPPLY).

(2) = INTERCONNECTING CABLE TO BE PROVIDED BY OTHERS (NOT INCLUDED IN SICE SCOPE OF SUPPLY).

(3) = CABLE GLAND TO BE PROVIDED BY OTHERS (NOT INCLUDED IN SICE SCOPE OF SUPPLY).

(4) = FOR A DETAILED LIST OF THE REMOTE SIGNALS, PLEASE REFER TO THE I/O LIST (DOC. No. 1724000775-EL-LIS-00011).

(5) = FEEDER TO BE CURVE D/K WITH RATED CURRENT 16A.

(6) = SUITABLE SUPPORT POLE INCLUDED IN SICE SCOPE OF SUPPLY.

(7) = CONTROL PANEL SUITABLE FOR FLOOR-MOUNTING INSTALLATION (SELF-STANDING).

(8) = CABLE ENTRIES FROM THE TOP OF THE EQUIPMENT.

(9) = TEMPERATURE PROBE TO BE INSTALLED BY CUSTOMER IN THE BATTERY BOX.

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-1

sice

CROSSWIND | ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	28/10/24	A.B.	M.G.	R.M.	AS-BUILT (ASB)
03	26/09/24	A.B.	M.G.	R.M.	ACCEPTED FOR CONSTRUCTION (AFC)
02	19/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
BLOCK DIAGRAM
SUMMARY AND GENERAL NOTES

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

A3 | DRAWING NO. 1724000775-EL-DG-00008 | SHEET 002 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-DG-00008 REV.4.DWG

NAVAIDS BATTERY BANK (BA-200F2)

BATTERY TEMPERATURE PROBE (ETM-200-01)

M25 (3)

M25 (3)

M20 (3)

(9)

24Vdc 1680Ah (C10)

EQUIPMENT INSTALLED INDOOR (LOWER DECK)

24Vdc 50A

1x70 mm² (2) 72215-CEL-P

1x70 mm² (2) 72215-CEL-N

2x2.5 mm² (2) 72209-CEC

M20 (3)

LV SWITCHGEAR (SG-200N1)

(5) NORMAL POWER SUPPLY (LINE A) 230Vac±10% 50Hz±10% 1Ph+N 1.7kVA

(5) ESSENTIAL POWER SUPPLY (LINE B) 230Vac±10% 50Hz±10% 1Ph+N 1.7kVA

(1)

230Vac 7A (PEAK)

3G16 mm² (2) 83036-CEL

M25 (3)

230Vac 7A (PEAK)

3G16 mm² (2) 83037-CEL

M25 (3)

SIS (B400-SIS-001)

HARD-WIRED REMOTE CONTROLS (4)

NAVIGATION AIDS GENERAL SYSTEM ALARM (CUMULATIVE) (CLOSED=OK/OPEN=ALARM) [72-XA-001]

(1)

1x2x0.75 mm² (2) C-NC-200F2/B400-SIS-001

M20 (3)

F&G SYSTEM (B400-FGS-002)

HARD-WIRED REMOTE COMMANDS (4)

BOAT LANDING STATUS LIGHT ACTIVATION COMMAND (24VDC=OFF/0VDC=ON) [72-XS-001]

VISIBILITY METER ACTIVATION COMMAND (24VDC=ON/0VDC=OFF) [72-XS-002]

(1)

2x2.5 mm² (2) C-NC-200F2/B400-FGS-002.01

M20 (3)

2x2.5 mm² (2) C-NC-200F2/B400-FGS-002.02

M20 (3)

(8)

M20 (3) M25 (3) M25 (3)

1x70 mm² (2) 72214-CEL-P

1x70 mm² (2) 72214-CEL-N

2x2.5 mm² (2) 72208-CEC

24Vdc 50A

M25 (3) M25 (3) M20 (3) M25 (3) M25 (3)

(8)

NAVAIDS BATTERY BREAKER (CB-200F2)

EQUIPMENT INSTALLED INDOOR (LOWER DECK)

ENCLOSURE A (NC-200F2A)

ENCLOSURE B (NC-200F2B)

ENCLOSURE C (NC-200F2C)

(7)

NAVAIDS CENTRAL CONTROL PANEL (NCCP) c/w BATTERY CHARGER/RECTIFIER (NC-200F2/BC-200F2A/B)

EQUIPMENT INSTALLED INDOOR (LOWER DECK)

2x2.5 mm² (2) 72201-CEL

M20 (3)

100Vdc 0.10A

MAIN MARINE YELLOW LIGHT 1 (EML-200-01)

2x2.5 mm² (2) 72202-CEL

M20 (3)

100Vdc 0.10A

MAIN MARINE YELLOW LIGHT 2 (EML-200-02)

"U" MORSE SIGNAL LIGHTS INSTALLED OUTDOOR (UPPER DECK)

2x2.5 mm² (2) 72210-CEL

M20 (3)

100Vdc 0.25A

M20 (3)

(6)

BOAT LANDING STATUS LIGHT (ESL-200-01)

FLASHING LIGHT INSTALLED OUTDOOR (BOAT LANDING AREA)

3G2.5 mm² (2) 72203-CEL

M20 (3)

230Vac 0.47A

(1)

MEDIUM INTENSITY AOL 1/2 JUNCTION BOX (EJB-200F2-01)

3G2.5 mm² (2) 72204-CEL

M20 (3)

MEDIUM INTENSITY AOL 1 (TOP) (EOL-200-01)

3G2.5 mm² (2) 72205-CEL

M20 (3)

MEDIUM INTENSITY AOL 2 (TOP) (EOL-200-02)

3G2.5 mm² (2) 72211-CEL

M20 (3)

230Vac 0.47A

(1)

MEDIUM INTENSITY AOL 3/4 JUNCTION BOX (EJB-200F2-02)

3G2.5 mm² (2) 72212-CEL

M20 (3)

M20 (3)

(6)

MEDIUM INTENSITY AOL 3 (INTERM.) (EOL-200-03)

3G2.5 mm² (2) 72213-CEL

M20 (3)

M20 (3)

(6)

MEDIUM INTENSITY AOL 4 (INTERM.) (EOL-200-04)

RED STEADY LIGHTS INSTALLED OUTDOOR

2x2.5 mm² (2) 72207-CEC

M20 (3)

7x1.5 mm² (2) 72217-CEC

M25 (3)

M25 (3)

(6)

M20 (3)

PHOTOCELL SYSTEM (EPH-200-01)

VISIBILITY METER (EVM-200-01)

AUTOMATIC ON SYSTEM FOR MARINE LIGHTS INSTALLED OUTDOOR (UPPER DECK – NORTH)

04	28/10/24	A.B.	M.G.	R.M.	AS-BUILT (ASB)
03	26/09/24	A.B.	M.G.	R.M.	ACCEPTED FOR CONSTRUCTION (AFC)
02	19/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
00	31/05/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-1

sice

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) NAVIGATION AIDS SYSTEM BLOCK DIAGRAM

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

SCALE : NTS

A3

DRAWING NO. 1724000775-EL-DG-00008

SHEET 003

REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-DG-00008 REV.4.DWG