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

BASE LOAD POWER HUB (BLPH)

NAVIGATION AIDS SYSTEM

GENERAL ARRANGEMENT AND DIMENSIONAL DRAWINGS

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB-2416/C	SICE DOC. No : DW-864-3			
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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT AND DIMENSIONAL DRAWINGS
FRONT PAGE

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

	DRAWING NO.	SHEET	REV.
A3	1724000775-EL-DG-00003	001	04

File Name : 1724000775-EL-DA-00003 REV.4.DWG

F.to UNI A3: 420mmx297mm

REV. No.	SHEET No.	DESCRIPTION	REF. CODE
04	001	FRONT PAGE	
04	002	SUMMARY AND GENERAL NOTES	
04	003	NCCP c/w BATTERY CHARGER/RECTIFIER (NC-200F2/BC-200F2A/B) - DIMENSIONAL DRAWING	
04	004	NCCP c/w BATTERY CHARGER/RECTIFIER (NC-200F2/BC-200F2A/B) - TOP SIDE VIEW	
04	005	NCCP c/w BATTERY CHARGER/RECTIFIER (NC-200F2/BC-200F2A/B) - BOTTOM SIDE VIEW	
04	006	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE A (NC-200F2A) - DIMENSIONAL DRAWING	
04	007	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE B (NC-200F2B)- DIMENSIONAL DRAWING	
04	008	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE C (NC-200F2C) - DIMENSIONAL DRAWING	
04	009	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE A (NC-200F2A) - A-A VIEW	
04	010	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE B (NC-200F2B) - A-A VIEW	
04	011	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE B (NC-200F2B)- B-B VIEW	
04	012	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE C (NC-200F2C) - A-A VIEW	
04	013	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE C (NC-200F2C) - B-B VIEW	
04	014	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE B (NC-200F2B)- HMI DETAIL	
04	015	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE A (NC-200F2A) - TERMINAL STRIP LAYOUT	
04	016	NAVAIDS CENTRAL CONTROL PANEL (NCCP) - ENCLOSURE A (NC-200F2A) - SUGGESTED CABLE ENTRY LAYOUT	
04	017	MAIN MARINE YALLOW LIGHT (EML-200-01/02) - DIMENSIONAL DRAWING	
04	018	MAIN MARINE YALLOW LIGHT (EML-200-01/02) - INTERNAL VIEW (TERMINAL STRIP LAYOUT)	
04	019	MAIN MARINE YALLOW LIGHT (EML-200-01/02) - SUGGESTED CABLE ENTRY LAYOUT	
04	020	BOAT LANDING STATUS LIGHT (ESL-200-01) c/w SUPPORT POLE - DIMENSIONAL DRAWING	
04	021	BOAT LANDING STATUS LIGHT (ESL-200-01) c/w SUPPORT POLE - A-A VIEW & B-B VIEW	
04	022	BOAT LANDING STATUS LIGHT (ESL-200-01) - DIMENSIONAL DRAWING	
04	023	BOAT LANDING STATUS LIGHT (ESL-200-01) - INTERNAL VIEW (TERMINAL STRIP LAYOUT)	
04	024	BOAT LANDING STATUS LIGHT (ESL-200-01) - SUGGESTED CABLE ENTRY LAYOUT	
04	025	MEDIUM INTENSITY AOL (EOL-200-03/04) c/w SUPPORT POLE - DIMENSIONAL DRAWING	
04	026	MEDIUM INTENSITY AOL (EOL-200-03/04) c/w SUPPORT POLE - A-A VIEW & B-B VIEW	
04	027	MEDIUM INTENSITY AOL (EOL-200-01/02/03/04) - DIMENSIONAL DRAWING	
04	028	MEDIUM INTENSITY AOL (EOL-200-01/02/03/04) - INTERNAL VIEW (TERMINAL STRIP LAYOUT)	
04	029	MEDIUM INTENSITY AOL (EOL-200-01/02/03/04) - SUGGESTED CABLE ENTRY LAYOUT	
04	030	VISIBILITY METER (EVM-200-01) c/w SUPPORT POLE - DIMENSIONAL DRAWING	
04	031	VISIBILITY METER (EVM-200-01) c/w SUPPORT POLE - A-A VIEW & B-B VIEW	
04	032	VISIBILITY METER (EVM-200-01) c/w SUPPORT POLE - INSTALLATION GUIDELINES	
04	033	VISIBILITY METER (EVM-200-01) - DIMENSIONAL DRAWING	
04	034	VISIBILITY METER (EVM-200-01) - SUGGESTED CABLE ENTRY LAYOUT	
04	035	PHOTOCELL SYSTEM (EPH-200-01) - DIMENSIONAL DRAWING	
04	036	PHOTOCELL SYSTEM (EPH-200-01) - A-A VIEW & B-B VIEW	
04	037	PHOTOCELL SYSTEM (EPH-200-01) - SUGGESTED CABLE ENTRY LAYOUT	
04	038	NAVAIDS BATTERY BREAKER (CB-200F2) - DIMENSIONAL DRAWING	
04	039	NAVAIDS BATTERY BREAKER (CB-200F2) - A-A VIEW	
04	040	NAVAIDS BATTERY BREAKER (CB-200F2) - SUGGESTED CABLE ENTRY LAYOUT	
04	041	BATTERY TEMPERATURE PROBE (ETM-200-01) - DIMENSIONAL DRAWING	
04	042	NAVAIDS BATTERY BANK (BA-200F2) - DIMENSIONAL DRAWING	
04	043	NAVAIDS BATTERY BANK (BA-200F2) - CELLS ARRANGEMENT & INTERCONNECTIONS	
04	044	NAVAIDS BATTERY BANK (BA-200F2) - BATTERY CELL - DIMENSIONAL DRAWING	

GENERAL NOTES

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-3

SICE ELETTRONICA 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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

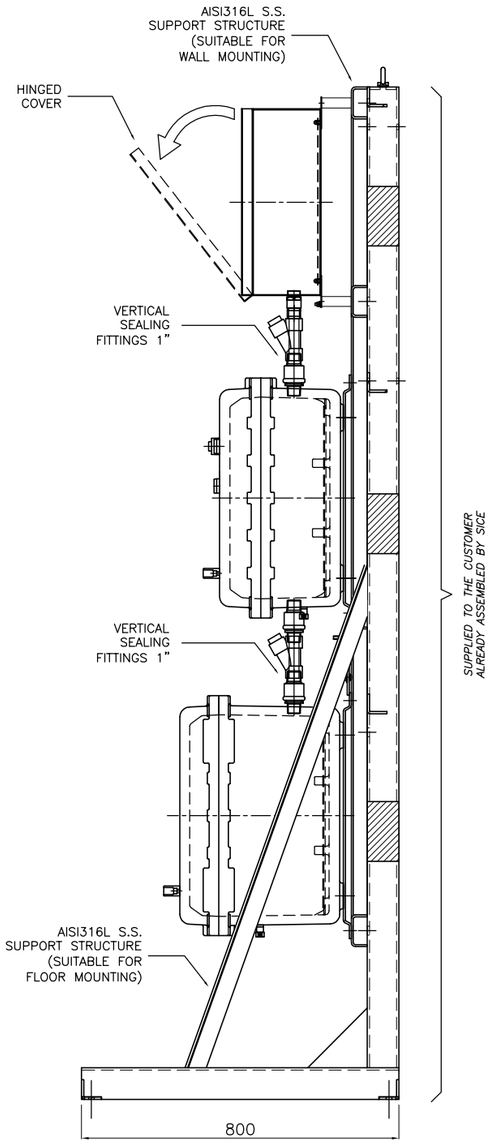
TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT AND DIMENSIONAL DRAWINGS
SUMMARY AND GENERAL NOTES

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

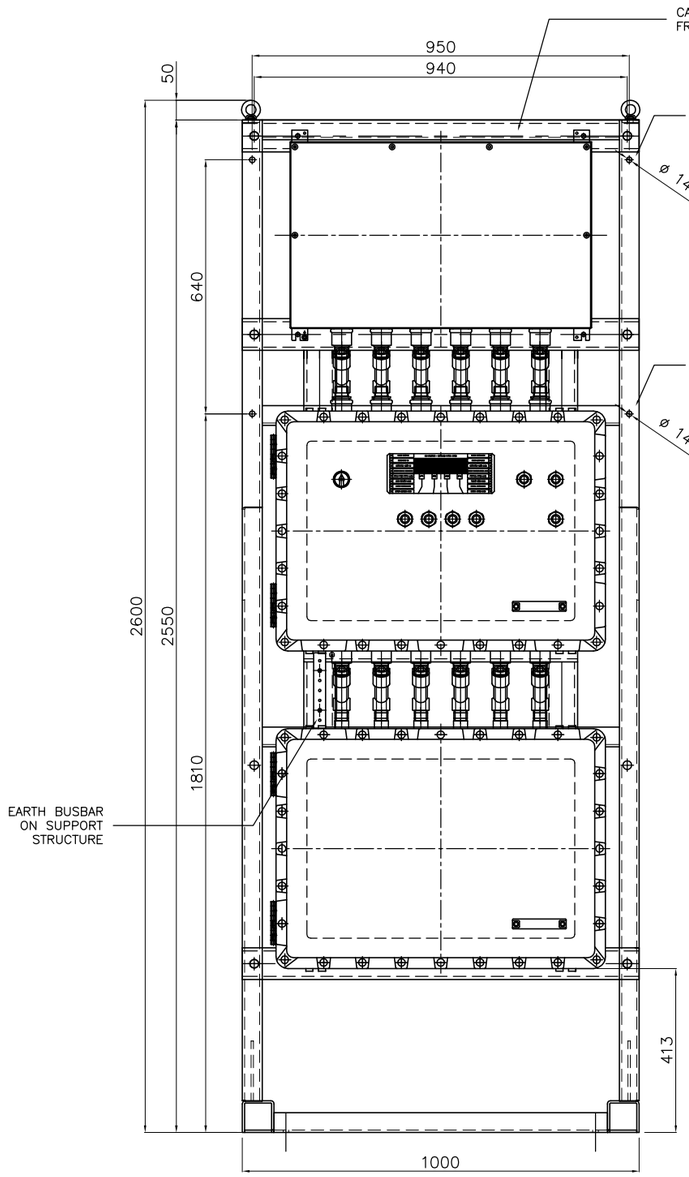
A3 | DRAWING NO. 1724000775-EL-DG-00003 | SHEET 002 | REV. 04

F.to UNI A3: 420mmx297mm

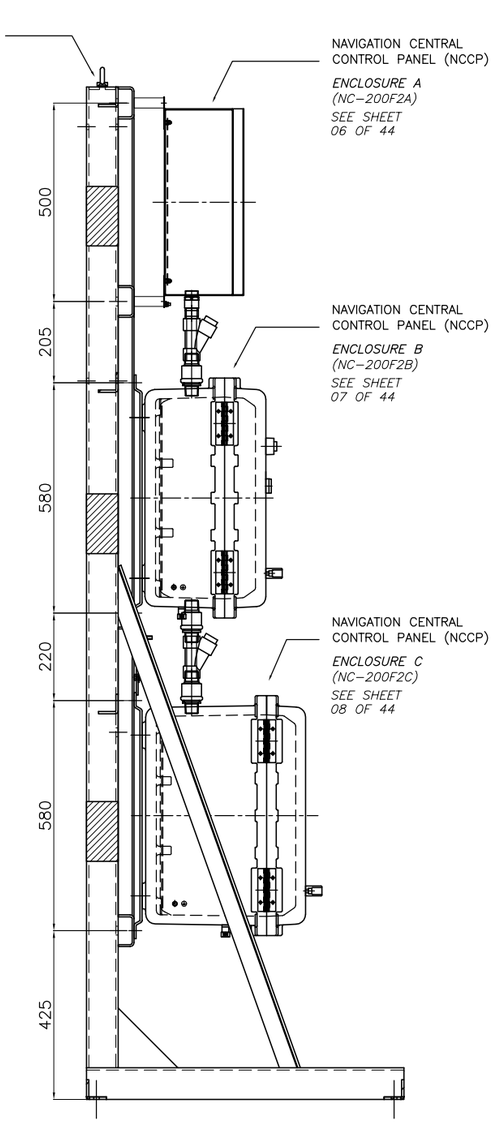
File Name : 1724000775-EL-DA-00003 REV.4.DWG



RIGHT SIDE VIEW



FRONT SIDE VIEW



LEFT SIDE VIEW

TECHNICAL DATA

CONTROL PANEL – *ENCLOSURE A*

– TYPE:	SB–477620
– MANUFACTURER:	TECHNOR
– MATERIAL:	AISI316L S.S.
– EXTERNAL PAINTING:	NOT PAINTED
– INTERNAL PAINTING:	NOT PAINTED
– EXECUTION:	Ex–eb IIC T6
– AMBIENT TEMPERATURE:	–20°C / +40°C
– PROTECTION DEGREE:	IP66
– UNTARY WEIGHT:	30kg

CONTROL PANEL – *ENCLOSURE B*

– TYPE:	EJB–13
– MANUFACTURER:	TECHNOR
– MATERIAL:	MARINE GRADE ALUMINIUM
– EXTERNAL PAINTING CYCLE:	SUITABLE FOR OFF–SHORE (COMPLIANT WITH ISO 12944, part 2, category C5)
– EXTERNAL PAINTING COLOUR:	RAL 7035
– INTERNAL PAINTING:	RAL 2004 (ANTICONDENSATION)
– FIXING BRACKET MATERIAL:	AISI316L S.S. (NOT PAINTED)
– HINGE MATERIAL:	AISI316L S.S. (NOT PAINTED)
– EXECUTION:	Ex–db IIB+H2 T6
– AMBIENT TEMPERATURE:	–20°C / +40°C
– PROTECTION DEGREE:	IP66
– UNTARY WEIGHT:	160kg

CONTROL PANEL – *ENCLOSURE C*

– TYPE:	EJB–13A
– MANUFACTURER:	TECHNOR
– MATERIAL:	MARINE GRADE ALUMINIUM
– EXTERNAL PAINTING CYCLE:	SUITABLE FOR OFF–SHORE (COMPLIANT WITH ISO 12944, part 2, category C5)
– EXTERNAL PAINTING COLOUR:	RAL 7035
– INTERNAL PAINTING:	RAL 2004 (ANTICONDENSATION)
– FIXING BRACKET MATERIAL:	AISI316L S.S. (NOT PAINTED)
– HINGE MATERIAL:	AISI316L S.S. (NOT PAINTED)
– EXECUTION:	Ex–db IIB+H2 T6
– AMBIENT TEMPERATURE:	–20°C / +40°C
– PROTECTION DEGREE:	IP66
– UNTARY WEIGHT:	185kg

SUPPORT STRUCTURE SUITABLE FOR WALL MOUNTING

– MANUFACTURER:	TECHNOR
– MATERIAL:	AISI316L S.S. (NOT PAINTED)
– UNITARY WEIGHT:	40kg

SUPPORT STRUCTURE SUITABLE FOR FLOOR MOUNTING

– MANUFACTURER:	BIAGIOTTI
– MATERIAL:	AISI316L S.S. (NOT PAINTED)
– UNITARY WEIGHT:	90kg

GENERAL DATA

– TYPE:	JB–2416/C NCCP
– TOTAL WEIGHT:	505kg
– QUANTITY:	1
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, DOC. No. 1724000775–EL–LIS–00009)

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	17/06/24	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–864–3

sice

CROSSWIND | ROSETTI MARINO

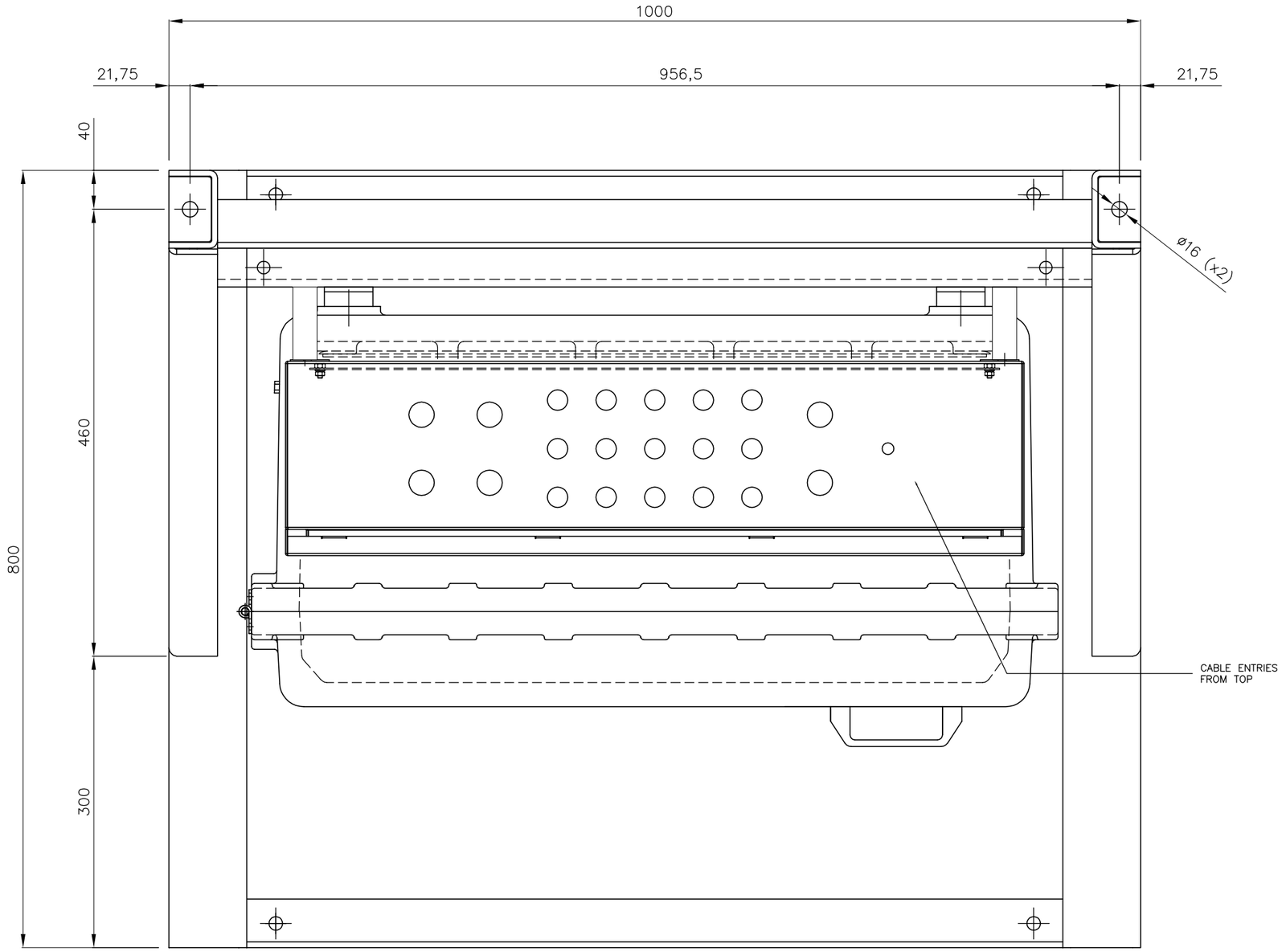
TITLE : BASE LOAD POWER HUB (BLPH)
NCCP c/w BATTERY CHARGER/RECTIFIER
(NC–200F2/BC–200F2A/B) – DIMENSIONAL DRAWING

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

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 003 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



TOP SIDE VIEW
(CABLE ENTRIES)

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)
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00	17/06/24	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-864-3

sice

CROSSWIND | ROSETTI MARINO

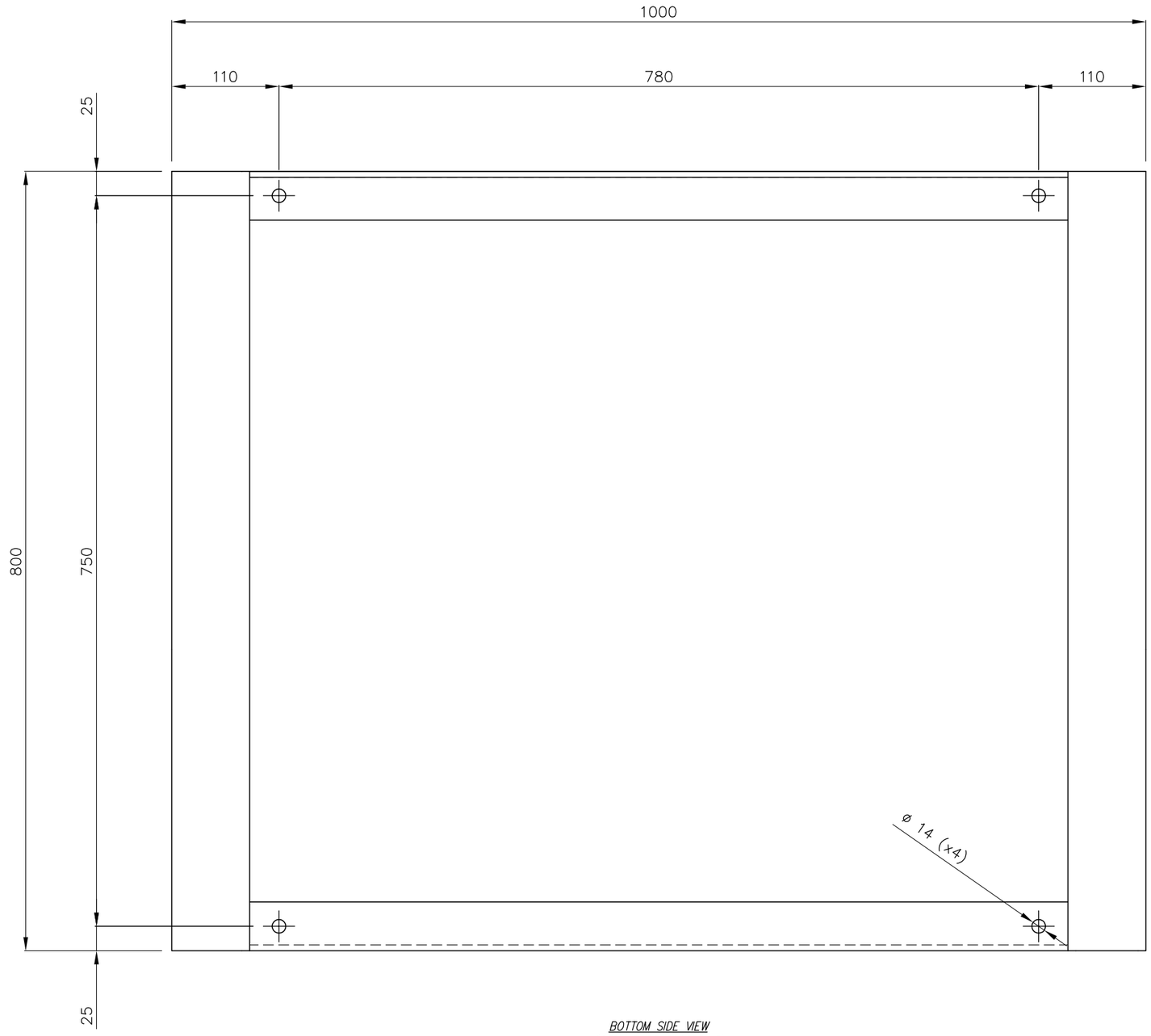
TITLE : BASE LOAD POWER HUB (BLPH)
NCCP c/w BATTERY CHARGER/RECTIFIER
(NC-200F2/BC-200F2A/B) - TOP SIDE VIEW

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

A3 | DRAWING NO. 1724000775-EL-DG-00003 | SHEET 004 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-DA-00003 REV.4.DWG



BOTTOM SIDE VIEW
(STRUCTURE FOOTPRINT)

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-3

sice

CROSSWIND | ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	28/10/24	A.B.	M.G.	R.M.	AS-BUILT (ASB)
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00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

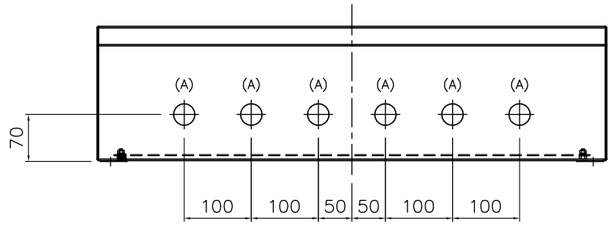
TITLE : BASE LOAD POWER HUB (BLPH)
NCCP c/w BATTERY CHARGER/RECTIFIER
(NC-200F2/BC-200F2A/B) - BOTTOM SIDE VIEW

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

A3 | DRAWING NO. 1724000775-EL-DG-00003 | SHEET 005 | REV. 04

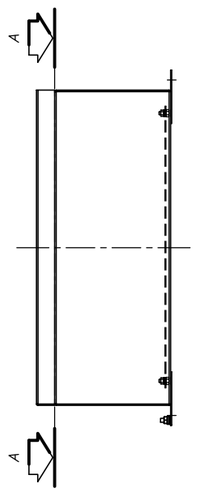
F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-DA-00003 REV.4.DWG

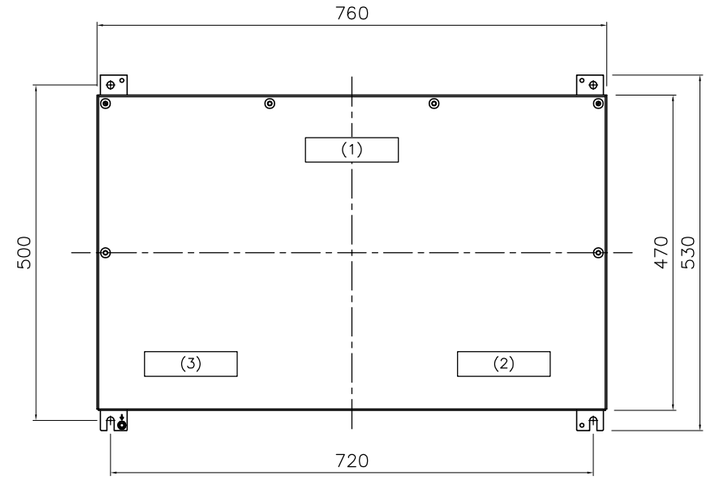


BOTTOM SIDE VIEW

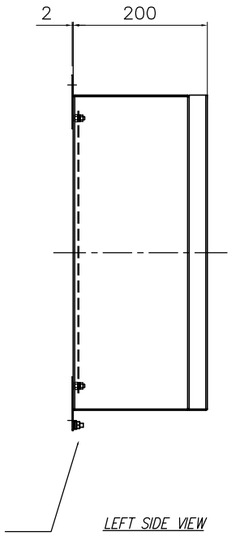
SEE SHEET 09 OF 44



RIGHT SIDE VIEW

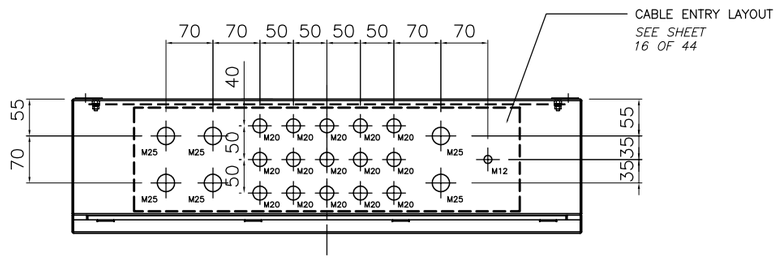


FRONT SIDE VIEW



EARTH BOLT (M6x15)
(ALREADY CONNECTED BY MANUFACTURER TO THE EARTH BUSBAR OF THE FLOOR MOUNTIG SUPPORT STRUCTURE)

LEFT SIDE VIEW



CABLE ENTRY LAYOUT
SEE SHEET 16 OF 44

TOP SIDE VIEW

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) =
NAVAIDS CENTRAL CONTROL PANEL
c/w BATTERY CHARGER/RECTIFIER
(NC–200F2/BC–200F2A/B)
ENCLOSURE A
(NC–200F2A)

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(2) =
DO NOT OPEN
WHEN ENERGIZED

NAMEPLATES MADE IN AISI316L S.S. WITHOUT BACKGROUND COLOUR AND WITH TEXT AND NUMBERING ENGRAVED

(3) =
sice S.R.L.
PESARO – ITALY

TYPE	NCCP	JB	2416/C
S/N	XXXXXXX	YEAR	2024
230/24VAC/DC Hz		300 W 55/10 A	
CONTRACTORS	ROSETTI MARINO		
ORDER n	1724000775 123A90A		
TAG n	XXXXXXX		
TOTAL kg.	535	IP	66

REMARKS

(A) 1" NPT HOLE USED BY MANUFACTURER TO INSTALL THE VERTICAL SEALING FITTINGS.

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	28/10/24	A.B.	M.G.	R.M.	AS–BUILT (ASB)
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SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

sice

CROSSWIND | ROSETTI MARINO

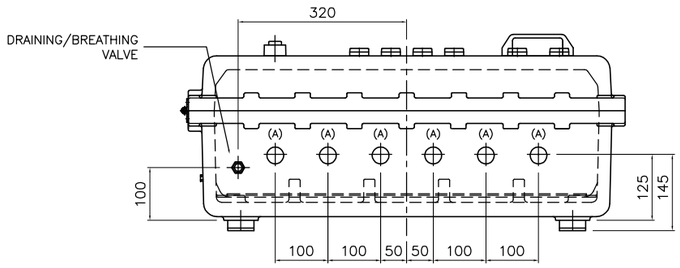
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE A (NC–200FA) – DIMENSIONAL DRAWING

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

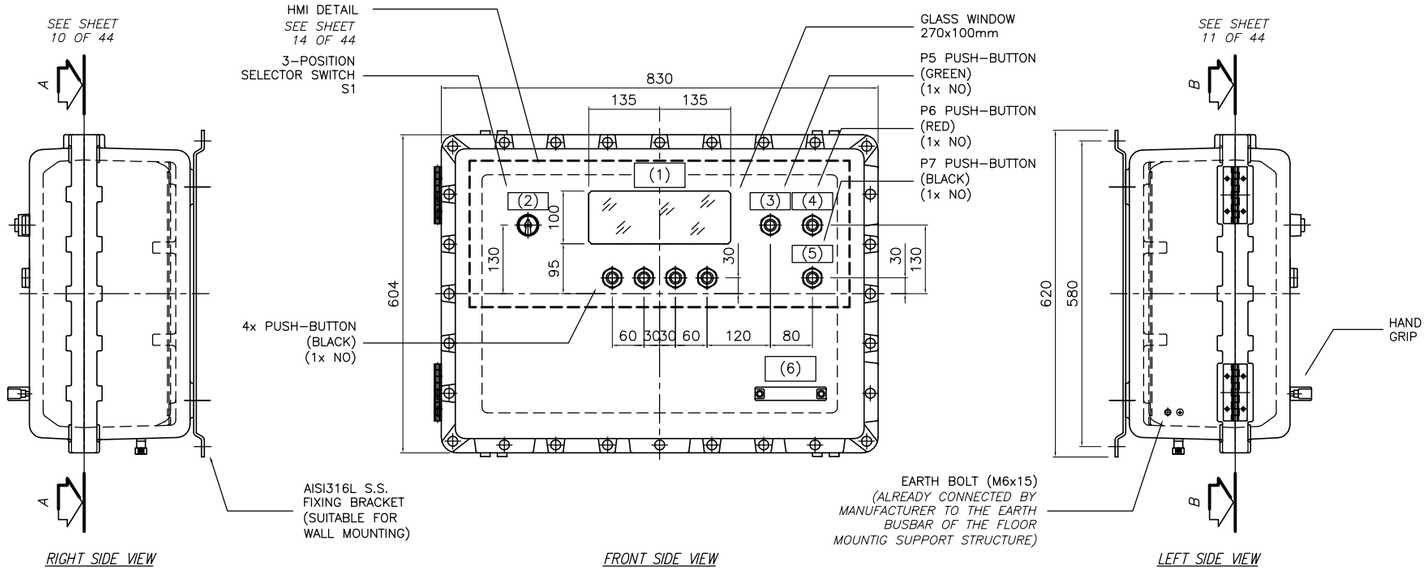
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 006 | REV. 04

F.to UNI A3: 420mmx297mm

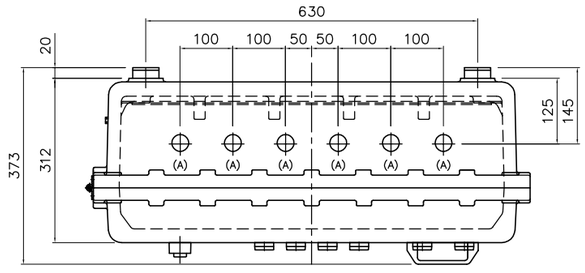
File Name : 1724000775–EL–DA–00003 REV.4.DWG



BOTTOM SIDE VIEW



RIGHT SIDE VIEW | FRONT SIDE VIEW | LEFT SIDE VIEW



TOP SIDE VIEW

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) = NAVAIDS CENTRAL CONTROL PANEL c/w BATTERY CHARGER/RECTIFIER *(NC-200F2/BC-200F2A/B)* *ENCLOSURE B (NC-200F2B)*

(2) = S1 — MAIN MARINE & OBSTRUCTION LIGHTS ON AUTO OFF

(3) = P5 — STATUS LIGHT ON MANUALLY

(4) = P6 — STATUS LIGHT OFF MANUALLY

(5) = P7 — RESET/RETURN TO AUTO

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(6) = DO NOT OPEN WHEN ENERGIZED

REMARKS

(A) 1" NPT HOLE USED BY MANUFACTURER TO INSTALL THE VERTICAL SEALING FITTINGS.

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	17/06/24	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-864-3

sice

CROSSWIND | ROSETTI MARINO

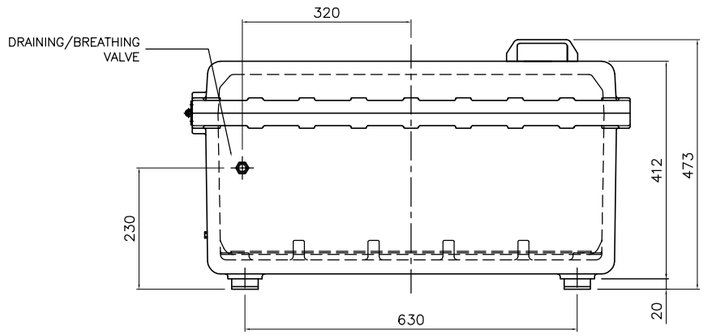
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE B (NC-200FB) – DIMENSIONAL DRAWING

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

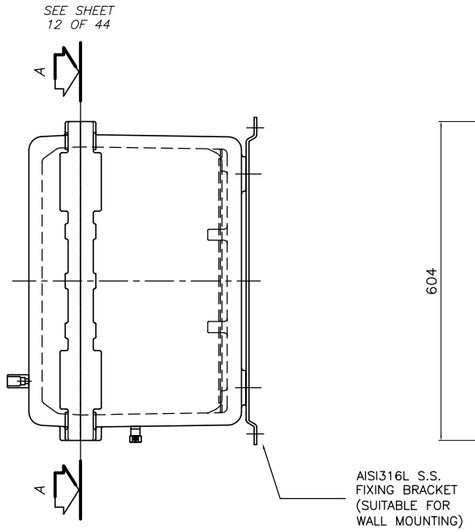
A3 | DRAWING NO. 1724000775-EL-DG-00003 | SHEET 007 | REV. 04

F.to UNI A3: 420mmx297mm

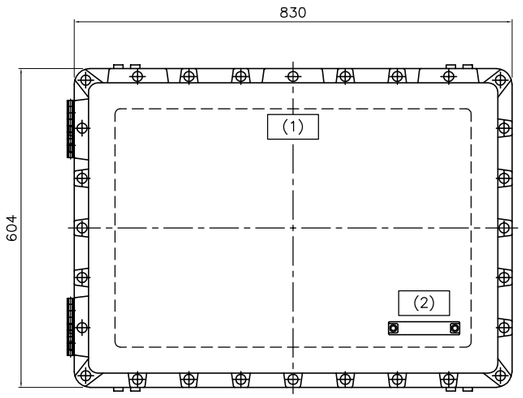
File Name : 1724000775-EL-DA-00003 REV.4.DWG



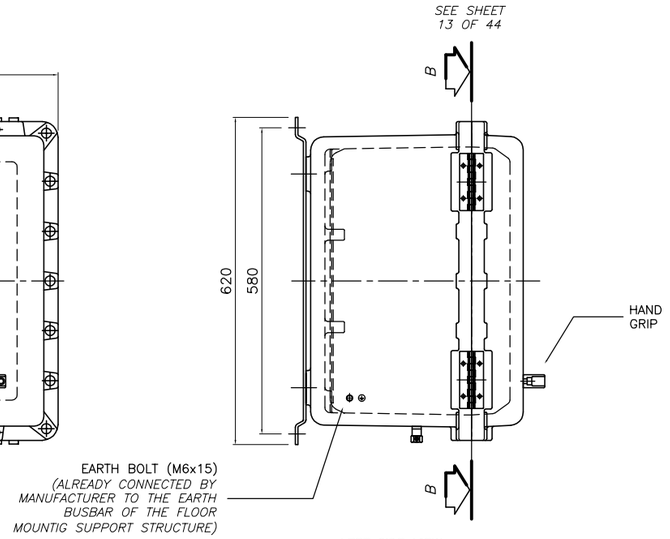
BOTTOM SIDE VIEW



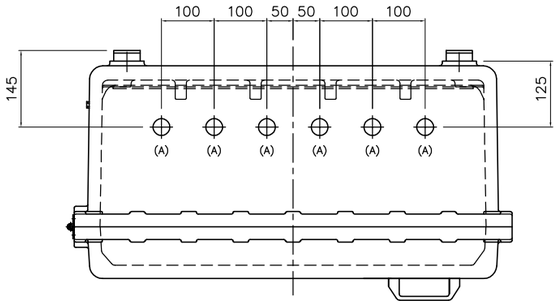
RIGHT SIDE VIEW



FRONT SIDE VIEW



LEFT SIDE VIEW



TOP SIDE VIEW

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) =
NAVAIDS CENTRAL CONTROL PANEL
c/w BATTERY CHARGER/RECTIFIER
(NC–200F2/BC–200F2A/B)
ENCLOSURE C
(NC–200F2C)

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(2) =
DO NOT OPEN
WHEN ENERGIZED

REMARKS

(A) 1" NPT HOLE USED BY MANUFACTURER TO INSTALL THE VERTICAL SEALING FITTINGS.

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE C (NC–200FC) – DIMENSIONAL DRAWING

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

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 008 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG

PE
PROTECTIVE EARTHING

IE
INSTRUMENT EARTHING

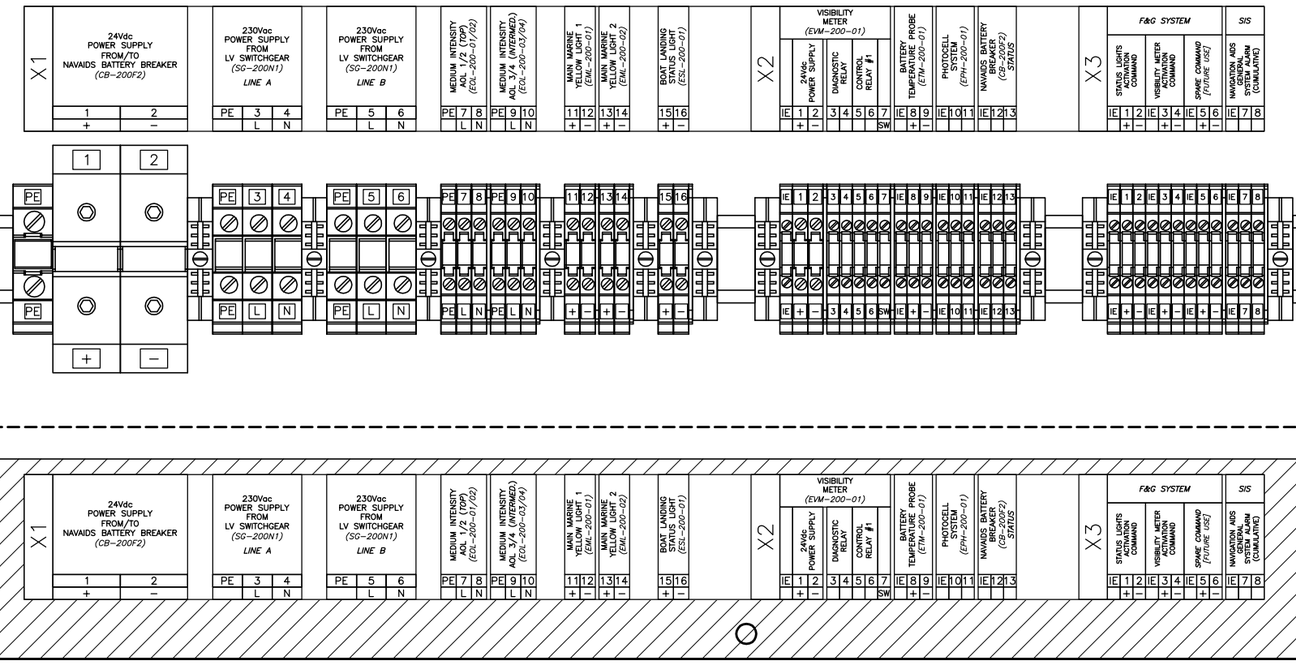
X1/X2/X3
TERMINAL STRIP

SEE SHEET
15 OF 44

PROTECTIVE EARTHING (PE)

INSTRUMENT EARTHING (IE)

RESPECT POLARITIES WHILE INTERCONNECTING WIRES



A–A VIEW
ENCLOSURE A
(NC–200F2A)

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB-2416/C	SICE DOC. No : DW-864-3			
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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE A (NC–200FA) – A–A VIEW

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

SCALE : NTS

A3

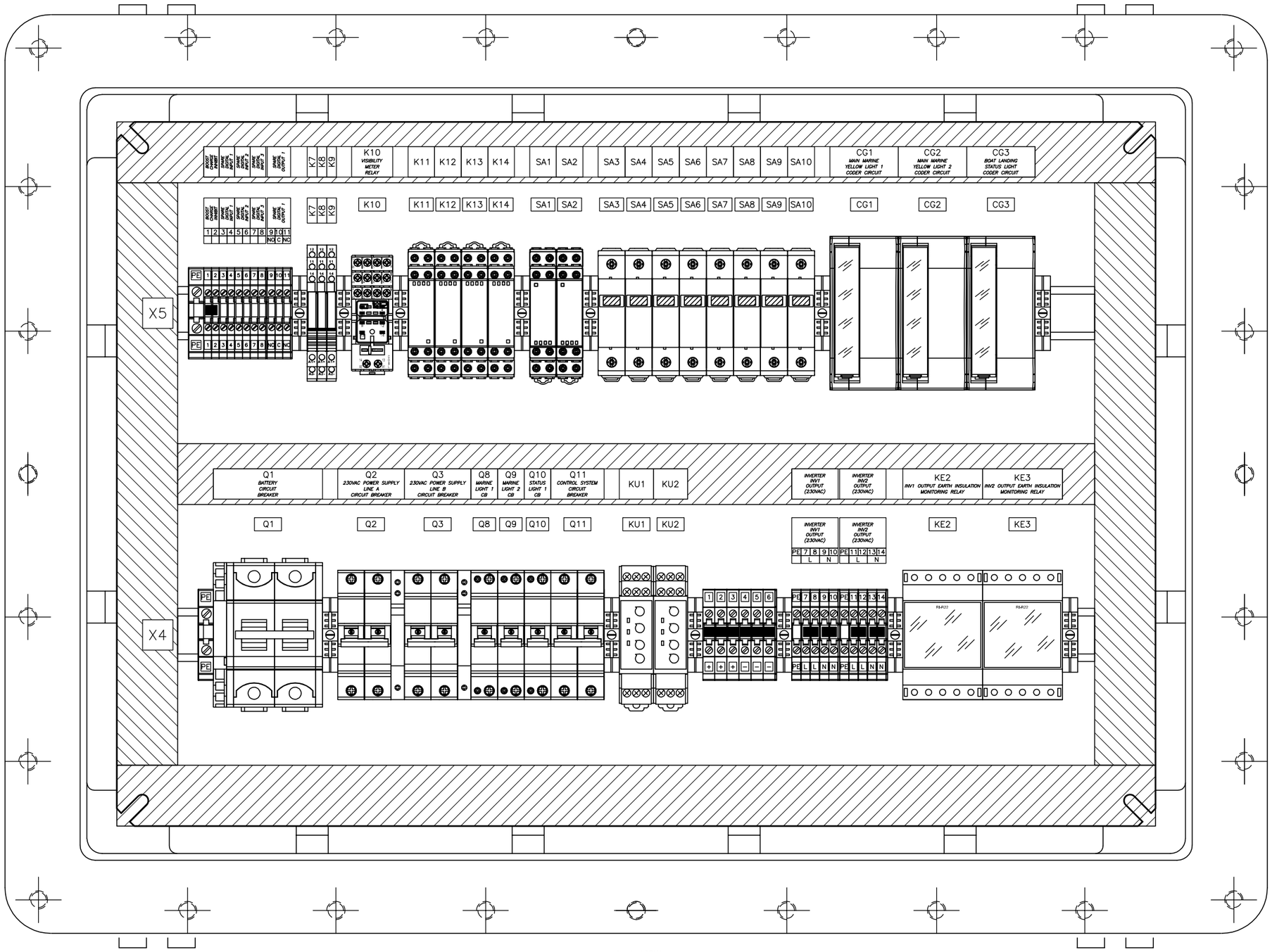
DRAWING NO. 1724000775–EL–DG–00003

SHEET 009

REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



A–A VIEW
ENCLOSURE B
(NC–200F2B)

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB-2416/C	SICE DOC. No : DW-864-3			
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)
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00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

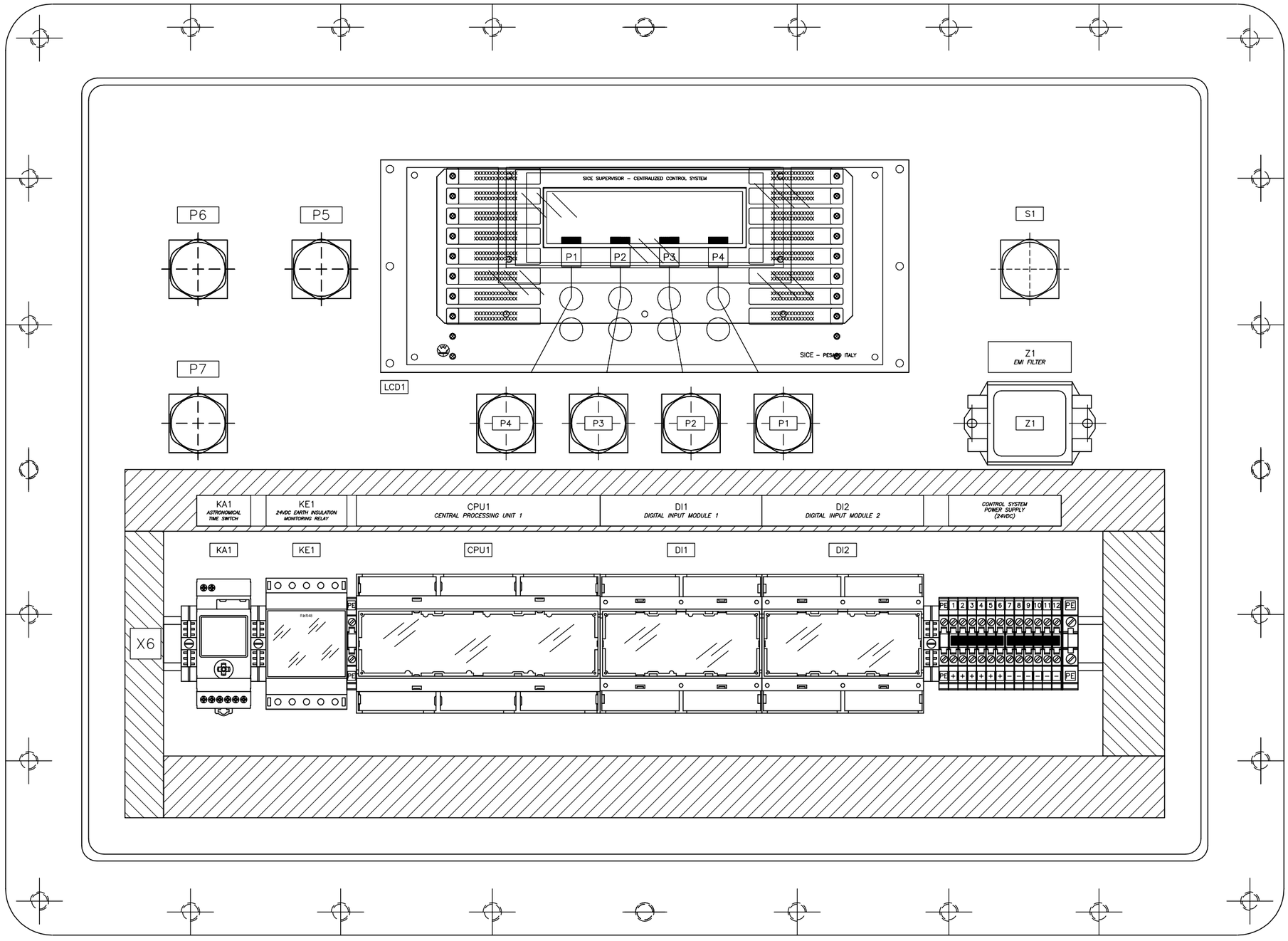
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE B (NC–200FB) – A–A VIEW

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

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 010 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



B–B VIEW
ENCLOSURE B
(NC–200F2B)

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB–2416/C	SICE DOC. No : DW–864–3			

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)
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00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

sice

CROSSWIND

ROSETTI MARINO

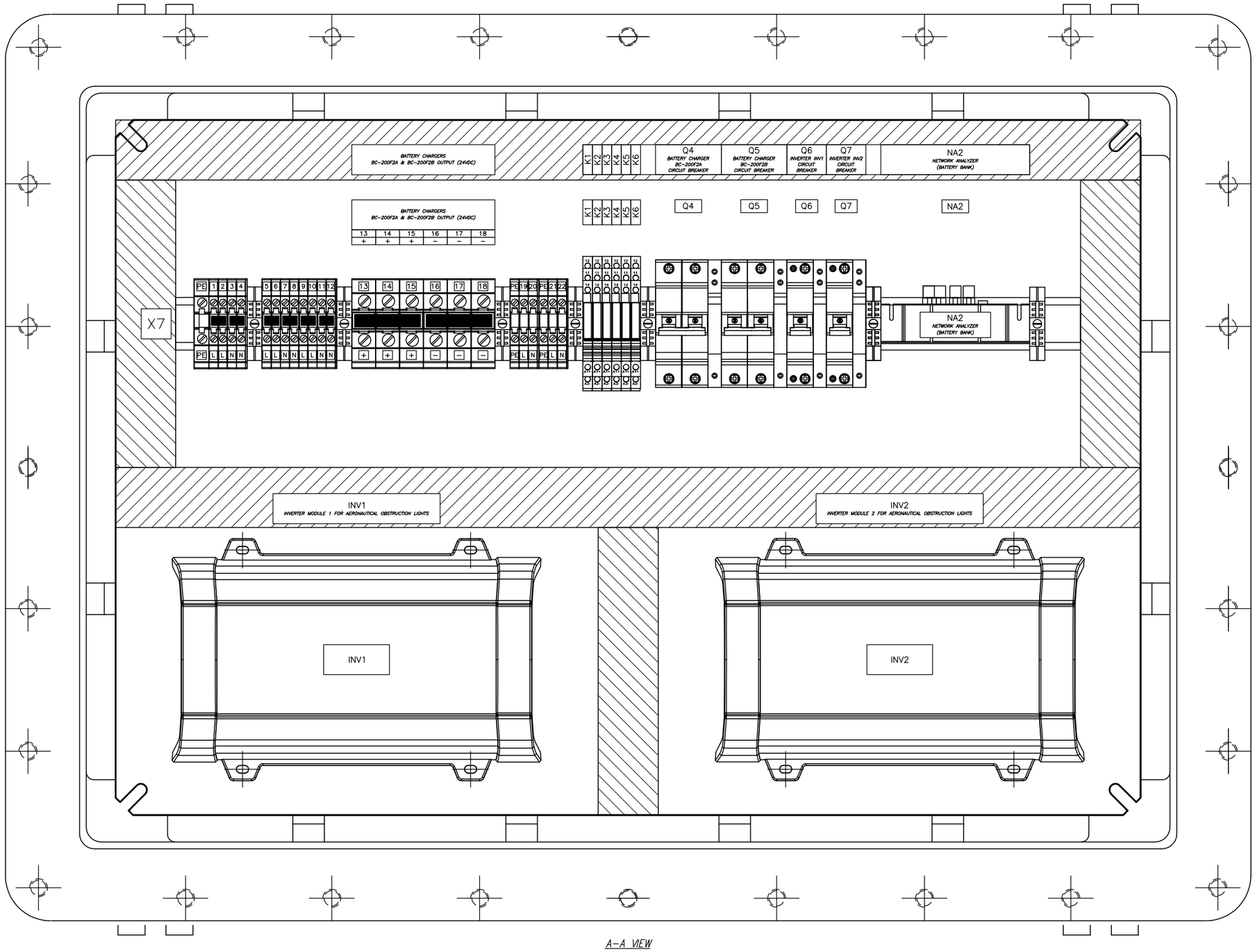
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE B (NC–200FB) – B–B VIEW

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

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 011 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



A–A VIEW
ENCLOSURE C
(NC–200F2C)

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB-2416/C	SICE DOC. No : DW-864-3			

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)
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01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

sice

CROSSWIND

ROSETTI MARINO

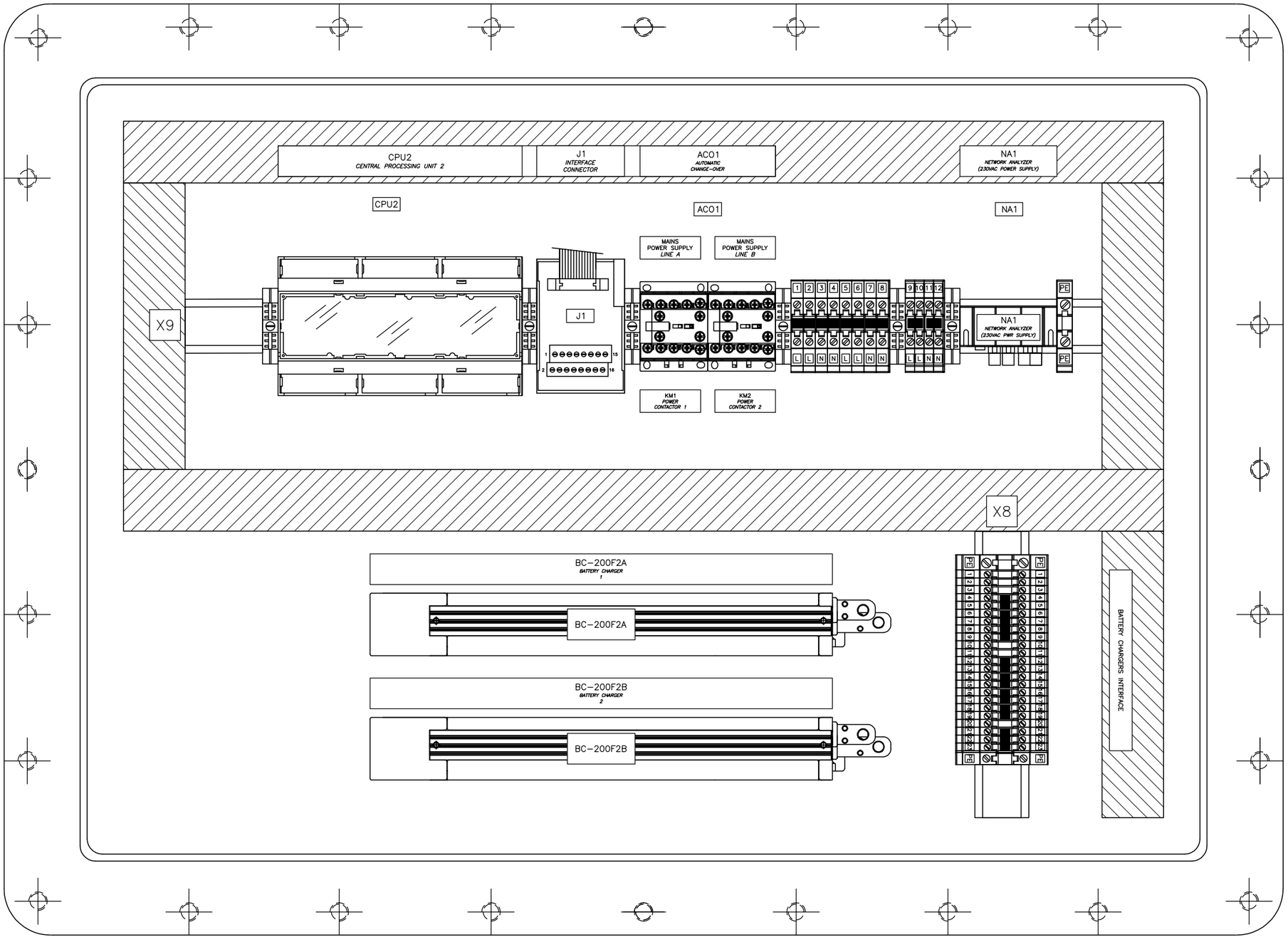
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE C (NC–200FC) – A–A VIEW

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

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 012 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



B-B VIEW
ENCLOSURE C
(NC-200F2C)

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB-2416/C	SICE DOC. No : DW-864-3			

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

sice

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE C (NC-200FC) - B-B VIEW

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

SCALE : NTS

A3

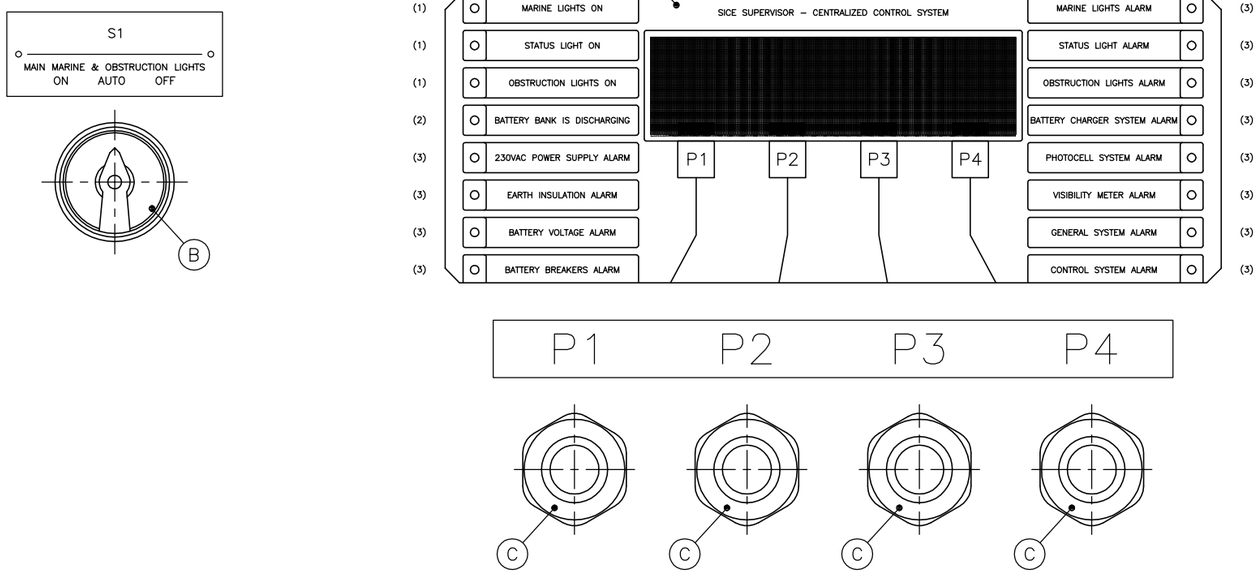
DRAWING NO. 1724000775-EL-DG-00003

SHEET 013

REV. 04

F.to UNI A3: 420mmx297mm

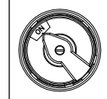
File Name : 1724000775-EL-DA-00003 REV.4.DWG



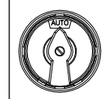
HUMAN–MACHINE INTERFACE ON ENCLOSURE B COVER

SELECTOR SWITCH POSITIONS

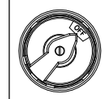
SIGNAL LIGHTS SELECTOR SWITCH (S1) 3 POSITIONS: ON/AUTO/OFF:

(P1) 

ON: if this position is selected by the user, the marine signal lights and the aeronautical obstruction lights are always activated regardless of the readings of the photocell, the visibility sensor and the astronomical time switch.

(P2) 

AUTO: if this position is selected by the user, the marine signal lights are switched–on/off on the basis of the readings of the photocell (photocell=NIGHT –> lights switched–on; photocell=DAY –> lights switched–off), the visibility sensor (visibility sensor=FOG –> lights switched–on; visibility sensor=NO FOG –> lights switched–off), the astronomical time switch (15 minutes before sunset –> lights switched–on; sunrise –> lights switched–off). The aeronautical obstruction lights are always activated regardless of the above.

(P3) 

OFF: if this position is selected by the user, the marine signal lights and the aeronautical obstruction lights are always switched–off regardless of the readings of the photocell, the visibility sensor and the astronomical time switch.

LEDS COLOUR ON DISPLAY PANEL

(1) = GREEN LED
(2) = ORANGE LED
(3) = RED LED

LEGEND

(A) = SICE DISPLAY PANEL (*)
(B) = SELECTOR SWITCH (3–POSITION)
(C) = PUSH BUTTON (BLACK)
(D) = PUSH BUTTON (GREEN)
(E) = PUSH BUTTON (RED)

(*) The local interface panel is composed of an alphanumeric display, that allows the user to monitor all the configured status, alarms, analogue measures. It also features four (4) push–buttons, that are used to interact with the control system, moving through the several pages, cyclically, acquiring informations regarding the working condition of the equipments that are part of the whole system, modifying some set–up parameters. The user can also find an "alarm summary page" which contains a list complete with all the pages where at least an alarm condition may be raised: this page is automatically displayed every time that a new alarm condition is detected by the supervisor system.

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

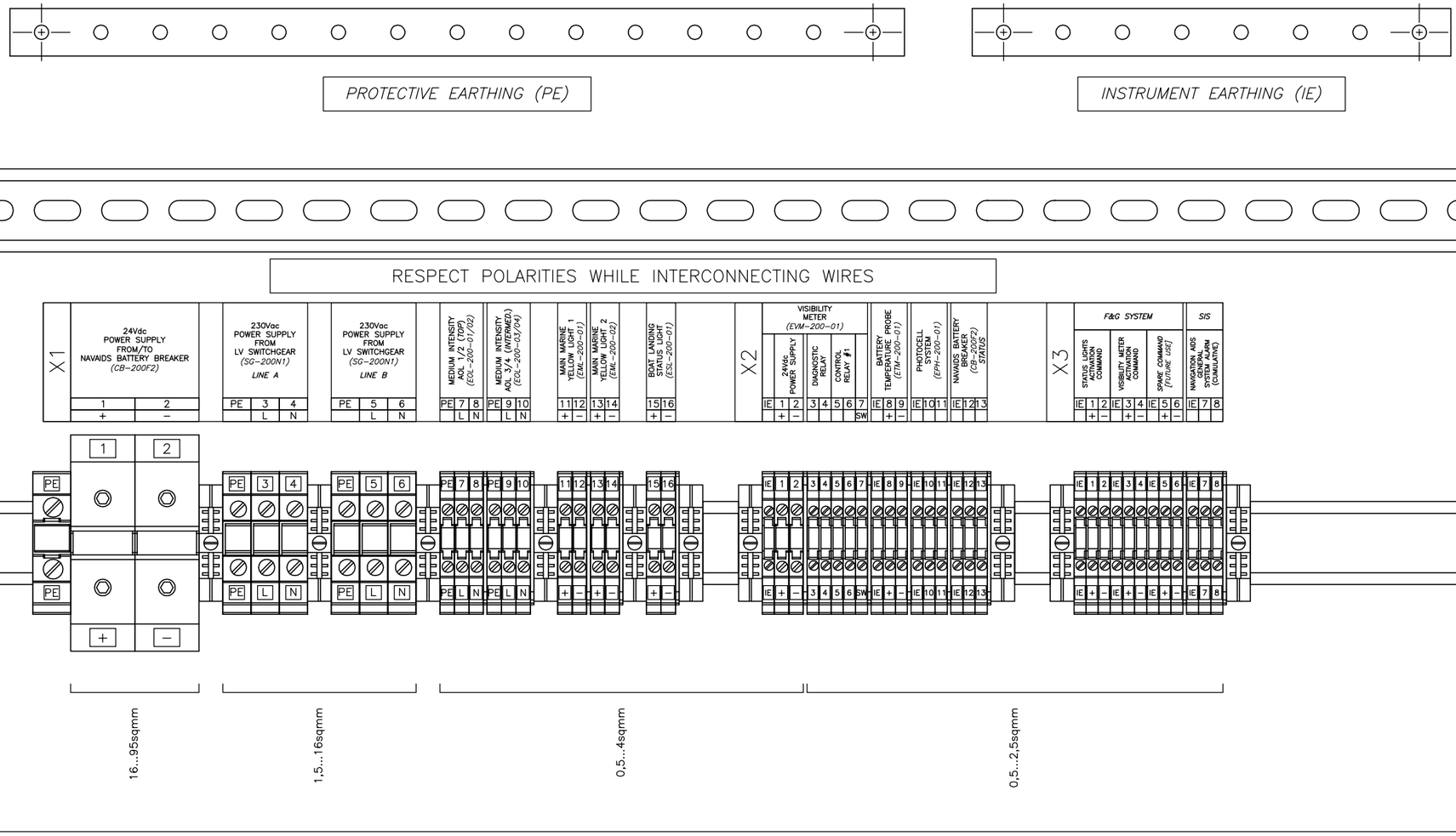
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE B (NC–200FB) – HMI DETAIL

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

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 014 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



NAVAIDS CENTRAL CONTROL PANEL (NCCP) c/w BATTERY CHARGER/RECTIFIER (NC-200F2/BC-200F2A/B) – ENCLOSURE A – TERMINAL STRIP (X1/X2/X3)

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	17/06/24	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-864-3

sice

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE A (NC-200FA) – TERMINAL STRIP LAYOUT

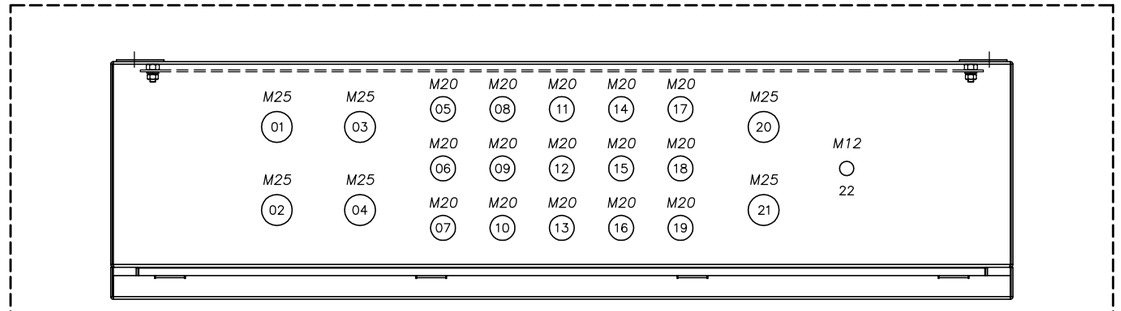
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775-EL-DG-00003 | SHEET 015 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-DA-00003 REV.4.DWG

NAVAIDS CENTRAL CONTROL PANEL (NCCP) c/w BATTERY CHARGER/RECTIFIER (NC-200F2/BC-200F2A/B)					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72214-CEL-P*	NAVAIDS BATTERY BREAKER (CB-200F2)	POWER SUPPLY FROM/TO NAVAIDS BATTERY BREAKER (+)	1x70 mm² (1)	M25 (2)
2	*83036-CEL*	*LV SWITCHGEAR (SG-200N1) - LINE A*	POWER SUPPLY FOR BATTERY CHARGERS	3G16 mm² (1)	M25 (2)
3	*72214-CEL-N*	NAVAIDS BATTERY BREAKER (CB-200F2)	POWER SUPPLY FROM/TO NAVAIDS BATTERY BREAKER (-)	1x70 mm² (1)	M25 (2)
4	*83037-CEL*	*LV SWITCHGEAR (SG-200N1) - LINE B*	POWER SUPPLY FOR BATTERY CHARGERS	3G16 mm² (1)	M25 (2)
5	*72203-CEL*	*MEDIUM INTENSITY AOL 1/2 JUNCTION BOX (EJB-200F2-01)*	POWER SUPPLY FOR MIOL (TOP)	3G2.5 mm² (1)	M20 (2)
6	*72211-CEL*	*MEDIUM INTENSITY AOL 3/4 JUNCTION BOX (EJB-200F2-02)*	POWER SUPPLY FOR MIOL (INTERMEDIATE)	3G2.5 mm² (1)	M20 (2)
7	*72201-CEL*	MAIN MARINE YELLOW LIGHT 1 (EML-200-01)	POWER SUPPLY FOR MARINE SIGNAL LIGHT	2x2.5 mm² (1)	M20 (2)
8	*72202-CEL*	MAIN MARINE YELLOW LIGHT 2 (EML-200-02)	POWER SUPPLY FOR MARINE SIGNAL LIGHT	2x2.5 mm² (1)	M20 (2)
9	*72210-CEL*	BOAT LANDING STATUS LIGHT (ESL-200-01)	POWER SUPPLY FOR STATUS LIGHT	2x2.5 mm² (1)	M20 (2)
10	*72209-CEC*	BATTERY TEMPERATURE PROBE *(ETM-200-01)*	INTERCONNECTION TO BATTERY TEMPERATURE PROBE	2x2.5 mm² (1)	M20 (2)
11	*72207-CEC*	PHOTOCELL SYSTEM (EPH-200-01)	INTERCONNECTION TO PHOTOCELL SENSOR	2x2.5 mm² (1)	M20 (2)
12	*72208-CEC*	NAVAIDS BATTERY BREAKER (CB-200F2)	INTERCONNECTION TO NAVAIDS BATTERY BREAKER *(STATUS)*	2x2.5 mm² (1)	M20 (2)
13	-	*SPARE ENTRY*	*SPARE ENTRY*	-	M20 (3)
14	*C-NC-200F2/B400-SIS-001*	*SIS (B400-SIS-001)*	NAVIGATION AIDS GENERAL SYSTEM ALARM *[REMOTE CONTROL]*	1x2x0.75 mm² (1)	M20 (2)
15	*C-NC-200F2/B400-FGS-002.01*	*F&G SYSTEM (B400-FGS-002)*	BOAT LANDING STATUS LIGHT ON/OFF COMMAND *[REMOTE COMMAND]*	2x2.5 mm² (1)	M20 (2)
16	-	*SPARE ENTRY*	*SPARE ENTRY*	-	M20 (3)
17	*C-NC-200F2/B400-FGS-002.02*	*F&G SYSTEM (B400-FGS-002)*	VISIBILITY METER ON/OFF COMMAND *[REMOTE COMMAND]*	2x2.5 mm² (1)	M20 (2)
18	-	*SPARE ENTRY*	*SPARE ENTRY*	-	M20 (3)
19	-	*SPARE ENTRY*	*SPARE ENTRY*	-	M20 (3)
20	*72217-CEC*	VISIBILITY METER (EVM-200-01)	INTERCONNECTION TO VISIBILITY METER	7x1.5 mm² (1)	M25 (2)
21	-	*SPARE ENTRY*	*SPARE ENTRY*	-	M25 (3)
22	*ENTRY RESERVED FOR INSTRUMENT EARTH CONNECTION (BY CUSTOMER)*			-	M12 (3)



CABLE ENTRY LAYOUT ON THE TOP SIDE (ENCLOSURE A)

NOTES

(1) INTERCONNECTING CABLE PROVIDED, INSTALLED AND WIRED BY OTHER (NOT BY SICE)

(2) CABLE GLAND SUPPLIED AND INSTALLED BY OTHER (NOT BY SICE) (SUITABLE FOR Ex ENCLOSURE)

(3) BLIND PLUG SUPPLIED AND INSTALLED BY SICE (SUITABLE FOR Ex ENCLOSURE)

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

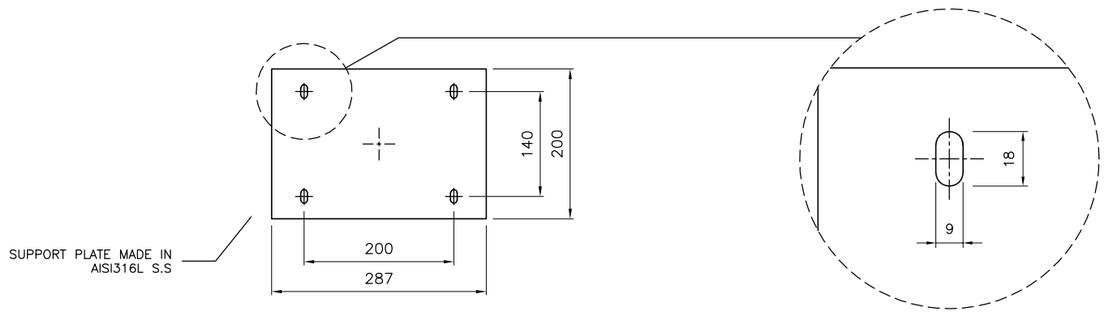
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS CENTRAL CONTROL PANEL (NCCP)
ENCLOSURE A (NC-200FA) - CABLE ENTRY LAYOUT

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

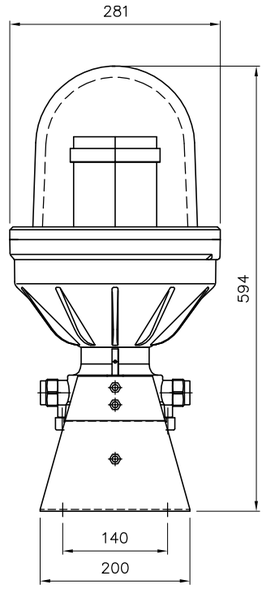
A3 | DRAWING NO. 1724000775-EL-DG-00003 | SHEET 016 | REV. 04

F.to UNI A3: 420mmx297mm

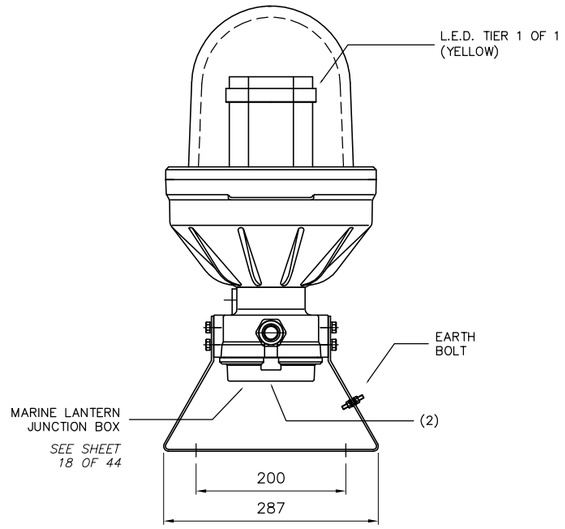
File Name : 1724000775-EL-DA-00003 REV.4.DWG



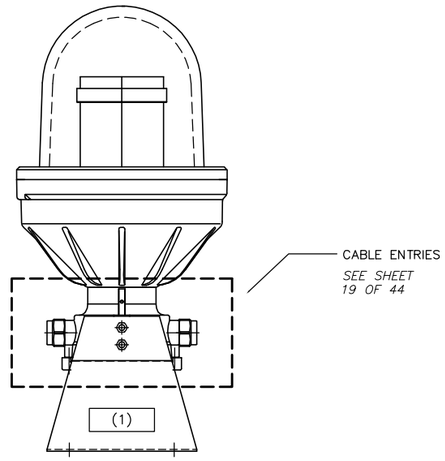
BOTTOM SIDE VIEW



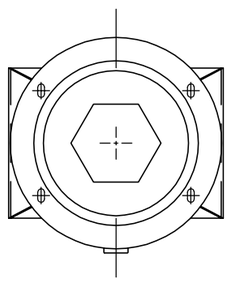
RIGHT SIDE VIEW



FRONT SIDE VIEW



LEFT SIDE VIEW



TOP SIDE VIEW

TECHNICAL DATA

MARINE LANTERN

– TYPE:	SICE–LXS–YEL–05–1
– MANUFACTURER:	LUXSOLAR
– BODY MATERIAL:	MARINE GRADE ALUMINIUM
– EXTERNAL PAINTING CYCLE:	SUITABLE FOR OFF–SHORE (COMPLIANT WITH ISO 12944, part 2, category C5)
– BODY PAINTING:	RAL 7035
– PEDESTAL MATERIAL:	AISI316L S.S. (not painted)
– DOME MATERIAL:	BOROSILICATE FUSED TEMPERED GLASS
– DOME COLOUR:	CLEAR
– LIGHT SOURCE:	L.E.D.
– LIGHT COLOUR:	YELLOW (FLASHING)
– EMISSION TYPE:	360° (RADIAL)
– LIGHT OUTPUT INTENSITY:	> 150cd (EFFECTIVE)
– LIGHT RANGE:	5 NAUTICAL MILES
– RATED VOLTAGE:	110Vdc
– POWER CONSUMPTION:	15W peak. (TOTAL)
– EXECUTION:	Ex de IIC T4 Gb
– AMBIENT TEMPERATURE:	–52°C / +60°C
– PROTECTION DEGREE (IP):	IP66
– UNITARY WEIGHT:	15kg
– QUANTITY:	2
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, Doc. No. 1724000775–EL–LIS–00009)

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) =
MAIN MARINE
YELLOW LIGHT 1
(EML–200–01)

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

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(2) =
DO NOT OPEN
WHEN ENERGIZED

FLASH CHARACTERISTIC

MORSE SIGNAL "U"

LIGHT	0,4	SECONDS (DOT)
DARK	0,5	SECONDS
LIGHT	0,4	SECONDS (DOT)
DARK	0,5	SECONDS
LIGHT	1,2	SECONDS (DASH)
DARK	12,0	SECONDS
PERIOD	15	SECONDS

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
MAIN MARINE YALLOW LIGHT (EML–200–01/02)
DIMENSIONAL DRAWING

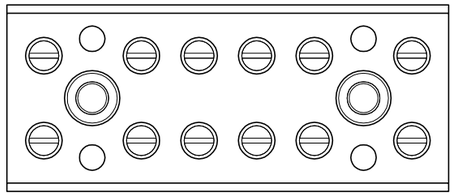
CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 017 | REV. 04

F.to UNI A3: 420mmx297mm

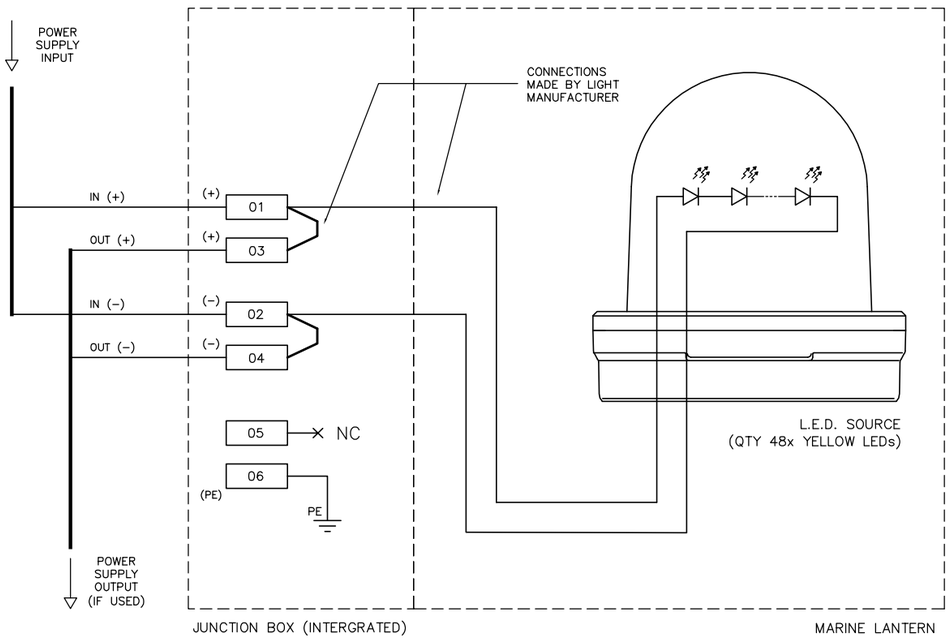
File Name : 1724000775–EL–DA–00003 REV.4.DWG

0,5...4sqmm

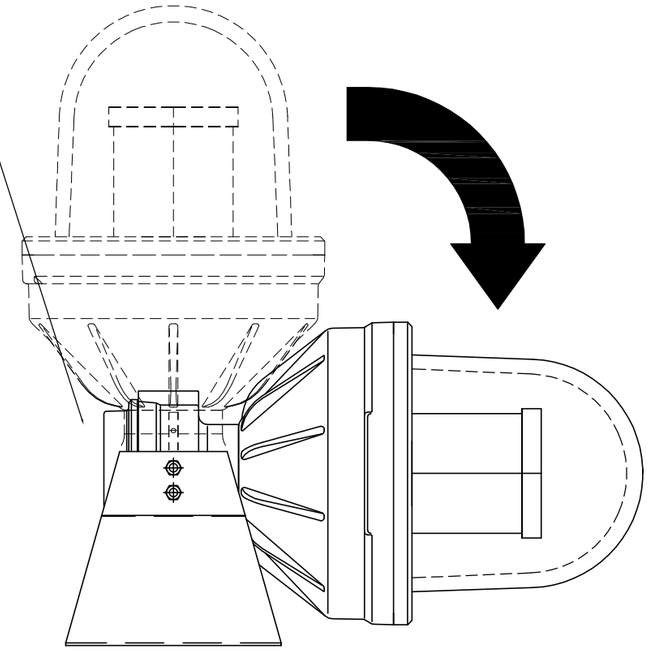


01	02	03	04	05	06
IN (+)	IN (–)	OUT (+)	OUT (–)	NC	PE
LIGHT POWER SUPPLY INPUT		LIGHT POWER SUPPLY OUTPUT		*SPARE*	
RESPECT POLARITIES WHILE CONNECTING WIRES					

MAIN MARINE YELLOW LIGHT 1/2 *(EML–200–01/02)* – TERMINAL STRIP



MARINE LANTERN JUNCTION BOX – INTERNAL WIRING (BY LIGHT MANUFACTURER)



LEFT SIDE VIEW
ACCESS TO TERMINAL STRIP FROM BOTTOM

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	17/06/24	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–864–3

SICE ELETTRONICA sice

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
MAIN MARINE YALLOW LIGHT (EML–200–01/02)
INTERNAL VIEW (TERMINAL STRIP LAYOUT)

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

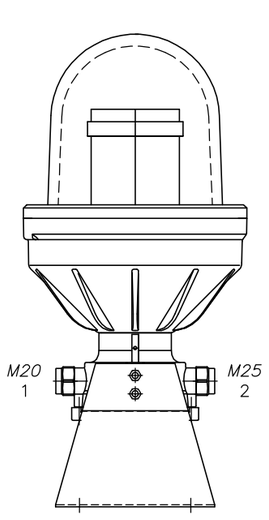
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 018 | REV. 04

File Name : 1724000775–EL–DA–00003 REV.4.DWG

F.to UNI A3: 420mmx297mm

MAIN MARINE YELLOW LIGHT 1 *(EML–200–01)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72201–CEL*	NAVAIDS CENTRAL CONTROL PANEL (NCCP) (NC–200F2/BC–200F2A/B)	POWER SUPPLY FOR MARINE SIGNAL LIGHT	2x2.5 mm² (1)	M20 (2)(4)
2	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M25 (3)

MAIN MARINE YELLOW LIGHT 2 *(EML–200–02)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72202–CEL*	NAVAIDS CENTRAL CONTROL PANEL (NCCP) (NC–200F2/BC–200F2A/B)	POWER SUPPLY FOR MARINE SIGNAL LIGHT	2x2.5 mm² (1)	M20 (2)(4)
2	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M25 (3)



CABLE ENTRY ON RIGHT AND LEFT SIDE

NOTES

(1) INTERCONNECTING CABLE PROVIDED, INSTALLED AND WIRED BY OTHER (NOT BY SICE)

(2) CABLE GLAND SUPPLIED AND INSTALLED BY OTHER (NOT BY SICE) (SUITABLE FOR Ex ENCLOSURE)

(3) BLIND PLUG SUPPLIED AND INSTALLED BY SICE (SUITABLE FOR Ex ENCLOSURE)

(4) ADAPTER (M25 MALE TO M20 FEMALE) INSTALLED BY SICE

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

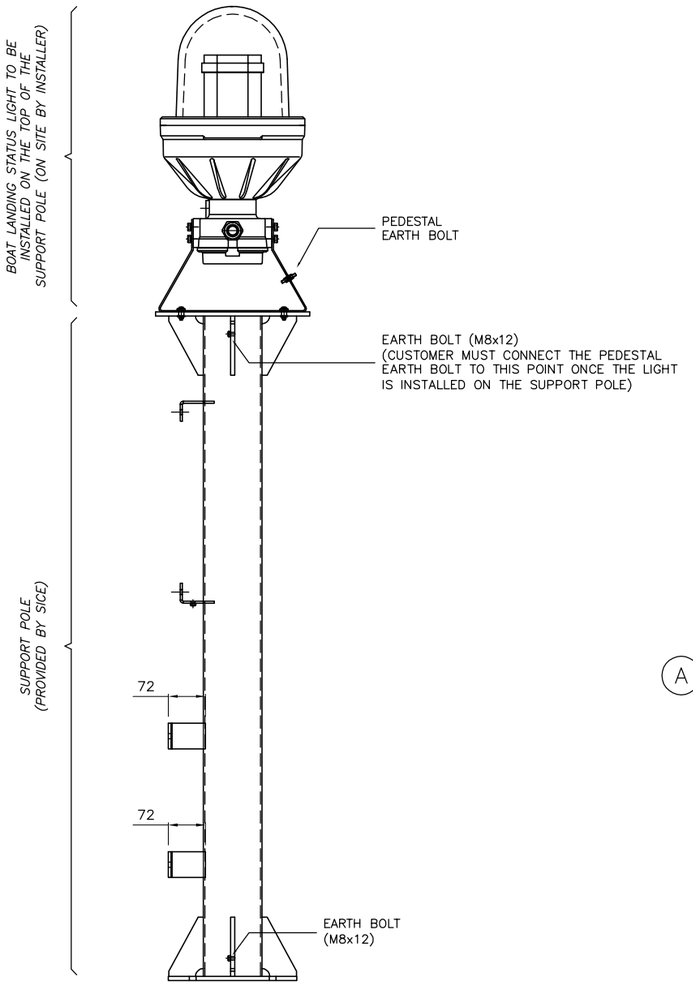
TITLE : BASE LOAD POWER HUB (BLPH)
MAIN MARINE YALLOW LIGHT (EML–200–01/02)
SUGGESTED CABLE ENTRY LAYOUT

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

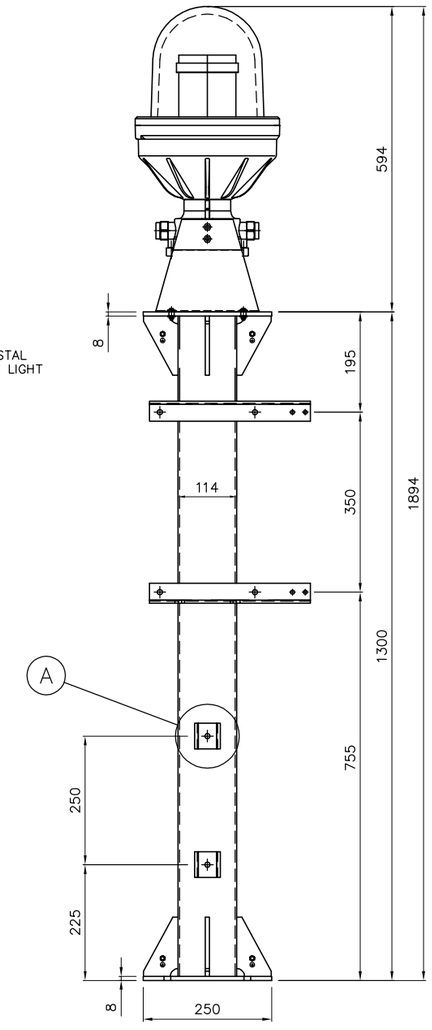
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 019 | REV. 04

F.to UNI A3: 420mmx297mm

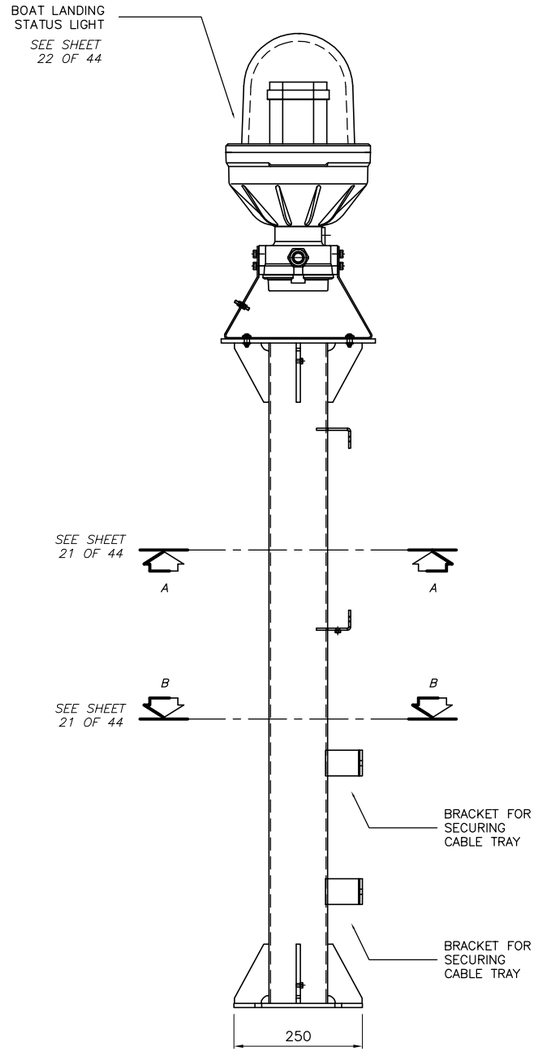
File Name : 1724000775–EL–DA–00003 REV.4.DWG



RIGHT SIDE VIEW



FRONT SIDE VIEW

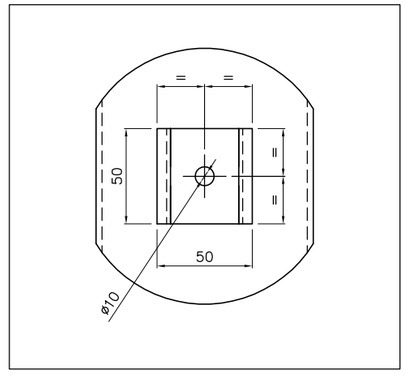


LEFT SIDE VIEW

TECHNICAL DATA

SUPPORT POLE

– TYPE:	CRP 1510
– MANUFACTURER:	BIAGIOTTI
– MATERIAL:	AISI316L S.S.
– UNITARY WEIGHT:	25kg
– QUANTITY:	1
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, Doc. No. 1724000775-EL-LIS-00009)



DETAIL A – CABLE TRAY BRACKET

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB-2416/C	SICE DOC. No : DW-864-3			

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

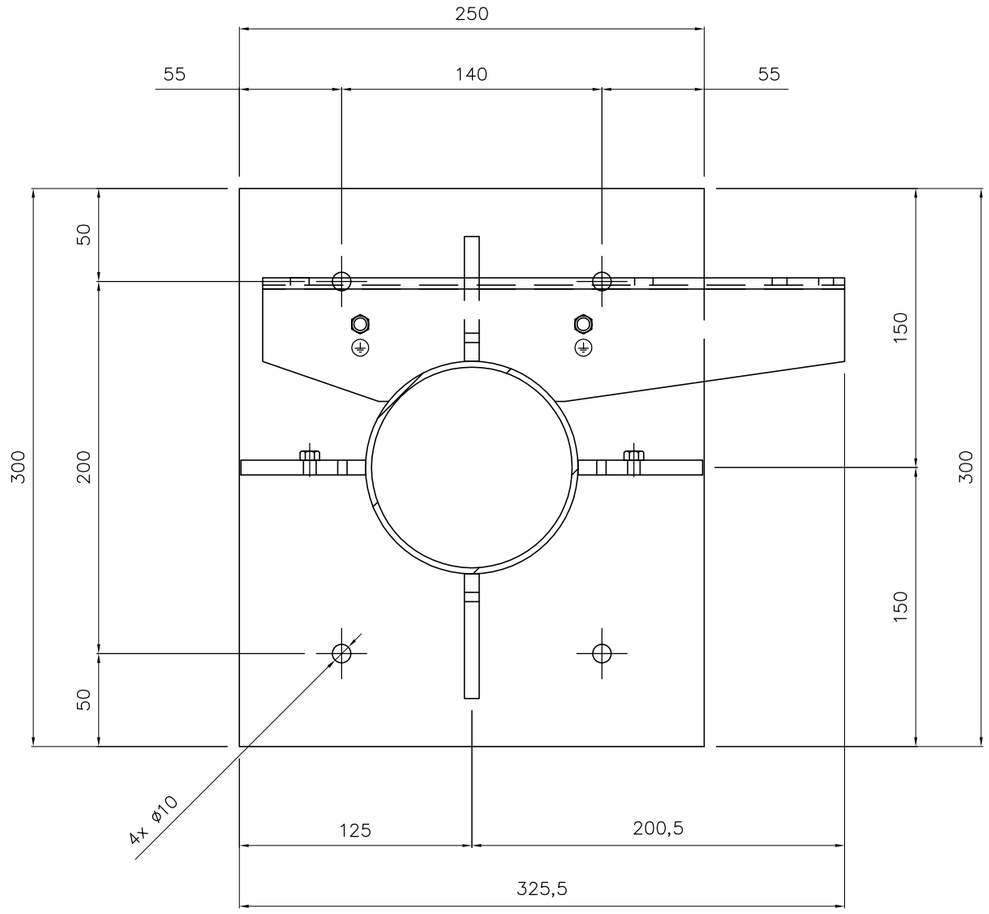
TITLE : BASE LOAD POWER HUB (BLPH)
BOAT LANDING STATUS LIGHT c/w SUPPORT POLE (ESL-200-01) – DIMENSIONAL DRAWING

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

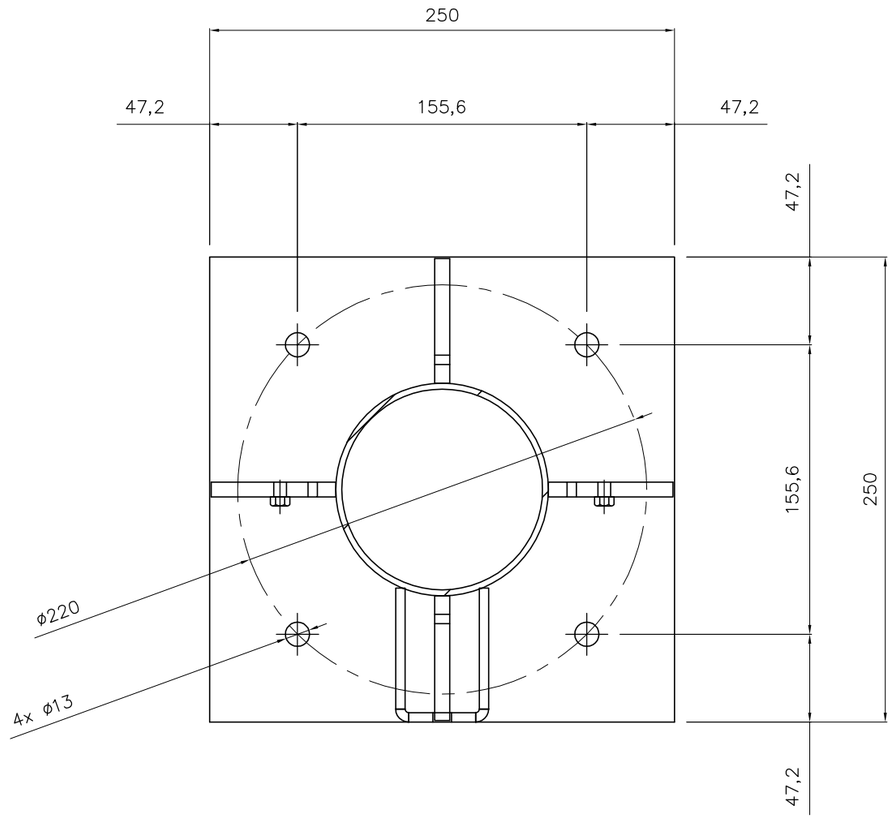
A3	DRAWING NO.	SHEET	REV.
	1724000775-EL-DG-00003	020	04

F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-DA-00003 REV.4.DWG



A–A VIEW



B–B VIEW

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB–2416/C	SICE DOC. No : DW–864–3			
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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

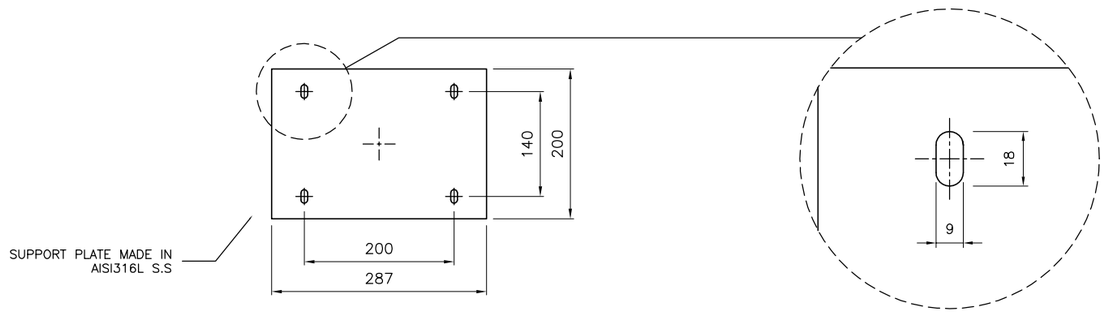
TITLE : BASE LOAD POWER HUB (BLPH)
BOAT LANDING STATUS LIGHT c/w SUPPORT POLE
(ESL–200–01) – A–A VIEW & B–B VIEW

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

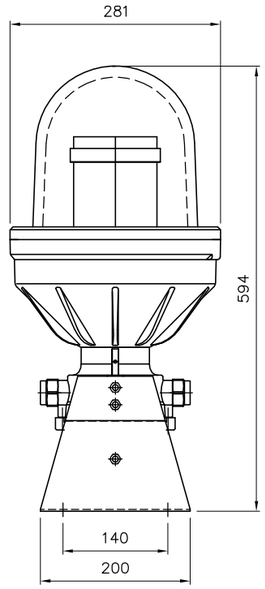
A3	DRAWING NO.	SHEET	REV.
	1724000775–EL–DG–00003	021	04

F.to UNI A3: 420mmx297mm

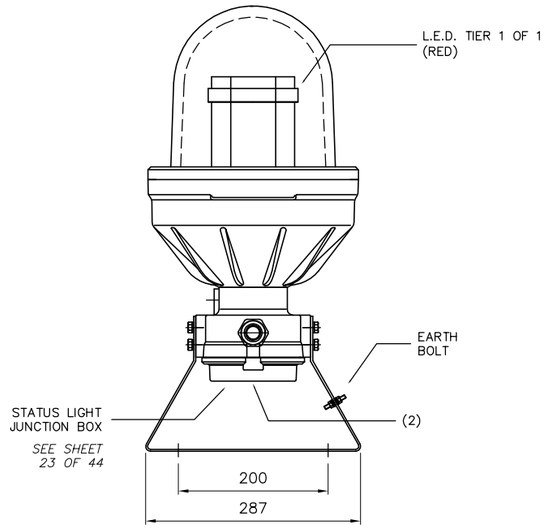
File Name : 1724000775–EL–DA–00003 REV.4.DWG



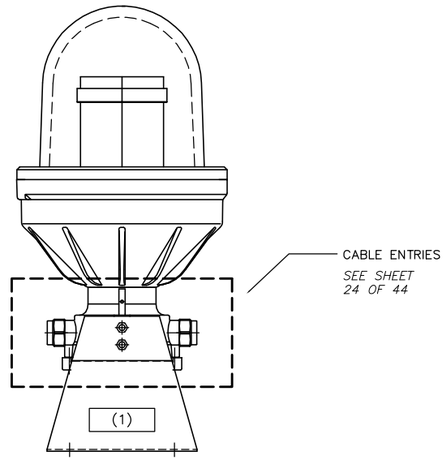
BOTTOM SIDE VIEW



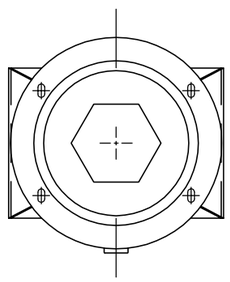
RIGHT SIDE VIEW



FRONT SIDE VIEW



LEFT SIDE VIEW



TOP SIDE VIEW

TECHNICAL DATA

STATUS LIGHT

– TYPE:	SICE–LXS–RED–03–1
– MANUFACTURER:	LUXSOLAR
– BODY MATERIAL:	MARINE GRADE ALUMINIUM
– EXTERNAL PAINTING CYCLE:	SUITABLE FOR OFF–SHORE (COMPLIANT WITH ISO 12944, part 2, category C5)
– BODY PAINTING:	RAL 7035
– PEDESTAL MATERIAL:	AISI316L S.S. (not painted)
– DOME MATERIAL:	BOROSILICATE FUSED TEMPERED GLASS
– DOME COLOUR:	CLEAR
– LIGHT SOURCE:	L.E.D.
– LIGHT COLOUR:	RED (FLASHING)
– EMISSION TYPE:	360° (RADIAL)
– LIGHT OUTPUT INTENSITY:	> 700cd (EFFECTIVE)
– RATED VOLTAGE:	110Vdc
– POWER CONSUMPTION:	32W peak. (TOTAL)
– EXECUTION:	Ex de IIC T4 Gb
– AMBIENT TEMPERATURE:	–52°C / +60°C
– PROTECTION DEGREE (IP):	IP66
– UNITARY WEIGHT:	15kg
– QUANTITY:	1
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, Doc. No. 1724000775–EL–LIS–00009)

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) = BOAT LANDING STATUS LIGHT (ESL–200–01)

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(2) = DO NOT OPEN WHEN ENERGIZED

FLASH CHARACTERISTIC

LIGHT	0,25	SECONDS (DOT)
DARK	0,25	SECONDS
PERIOD	0,5	SECONDS

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	17/06/24	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–864–3

SICE ELETTRONICA sice

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
BOAT LANDING STATUS LIGHT (ESL–200–01)
DIMENSIONAL DRAWING

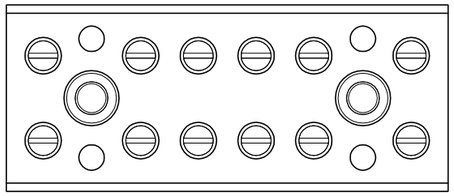
CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 022 | REV. 04

F.to UNI A3: 420mmx297mm

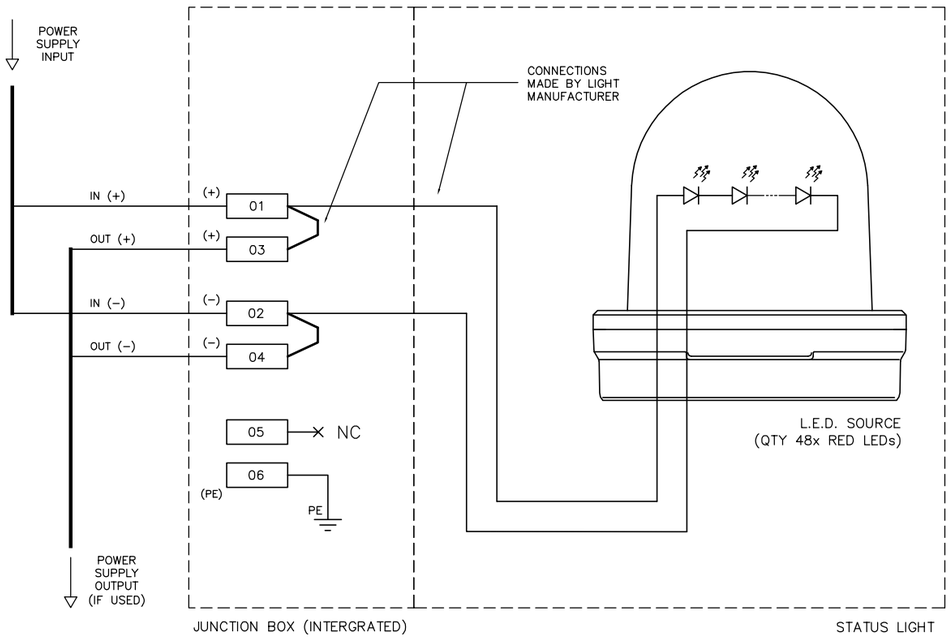
File Name : 1724000775–EL–DA–00003 REV.4.DWG

0,5...4sqmm

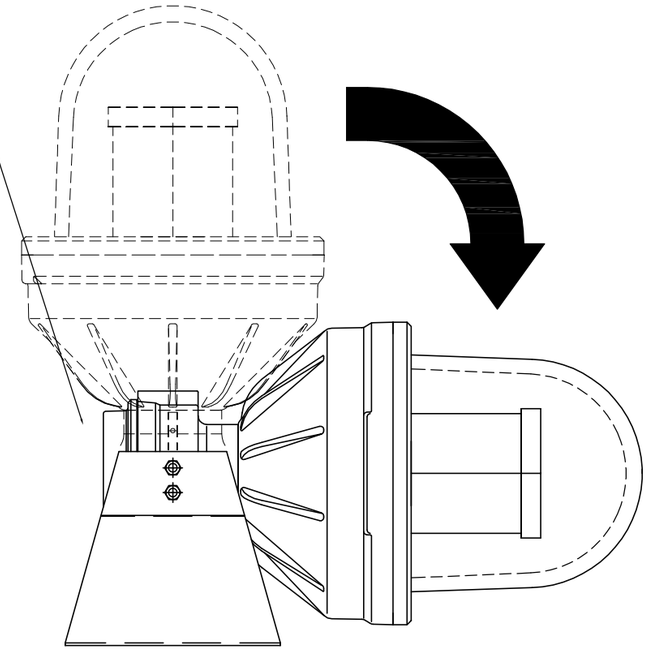


01	02	03	04	05	06
IN (+)	IN (–)	OUT (+)	OUT (–)	NC	PE
LIGHT POWER SUPPLY INPUT		LIGHT POWER SUPPLY OUTPUT		*SPARE*	
RESPECT POLARITIES WHILE CONNECTING WIRES					

BOAT LANDING STATUS LIGHT *(ESL–200–01)* – TERMINAL STRIP



STATUS LIGHT JUNCTION BOX – INTERNAL WIRING (BY LIGHT MANUFACTURER)



LEFT SIDE VIEW
ACCESS TO TERMINAL STRIP FROM BOTTOM

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	17/06/24	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–864–3

sice

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
BOAT LANDING STATUS LIGHT (ESL–200–01)
INTERNAL VIEW (TERMINAL STRIP LAYOUT)

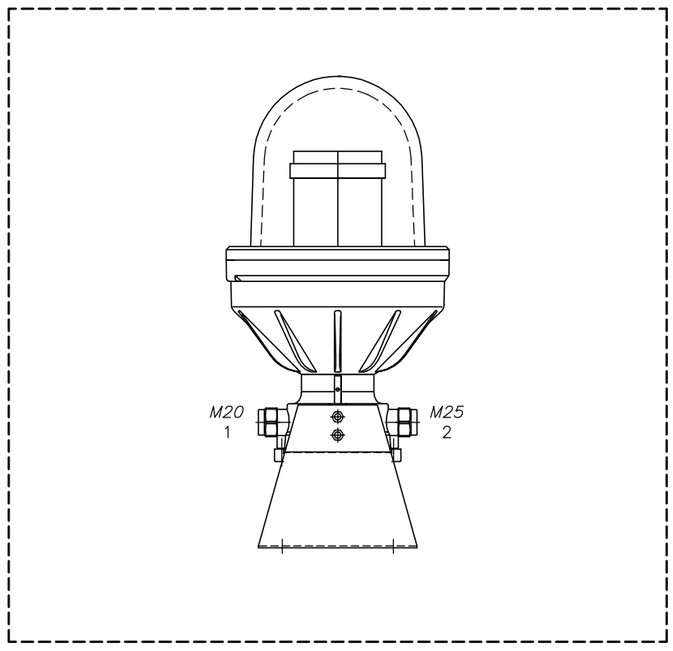
CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 023 | REV. 04

File Name : 1724000775–EL–DA–00003 REV.4.DWG

F.to UNI A3: 420mmx297mm

BOAT LANDING STATUS LIGHT *(ESL–200–01)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72210–CEL*	NAVAIDS CENTRAL CONTROL PANEL (NCCP) (NC–200F2/BC–200F2A/B)	POWER SUPPLY FOR STATUS LIGHT	2x2.5 mm² (1)	M20 (2)(4)
2	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M25 (3)



CABLE ENTRY ON RIGHT AND LEFT SIDE

NOTES

(1) INTERCONNECTING CABLE PROVIDED, INSTALLED AND WIRED BY OTHER (NOT BY SICE)

(2) CABLE GLAND SUPPLIED AND INSTALLED BY OTHER (NOT BY SICE) (SUITABLE FOR Ex ENCLOSURE)

(3) BLIND PLUG SUPPLIED AND INSTALLED BY SICE (SUITABLE FOR Ex ENCLOSURE)

(4) ADAPTER (M25 MALE TO M20 FEMALE) INSTALLED BY SICE

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

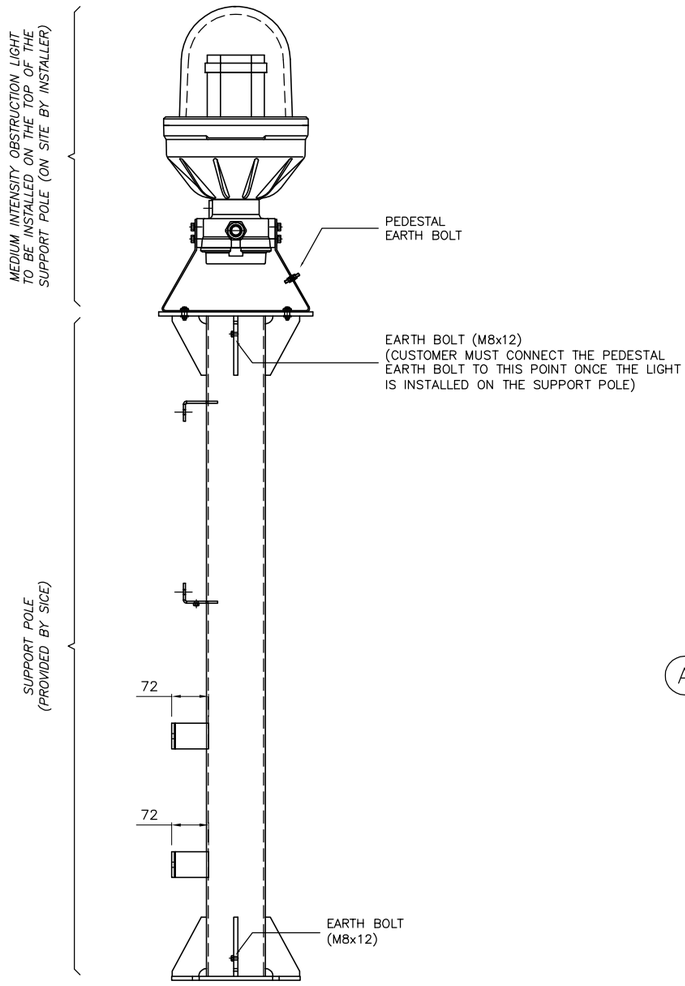
TITLE : BASE LOAD POWER HUB (BLPH)
BOAT LANDING STATUS LIGHT (ESL–200–01)
SUGGESTED CABLE ENTRY LAYOUT

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

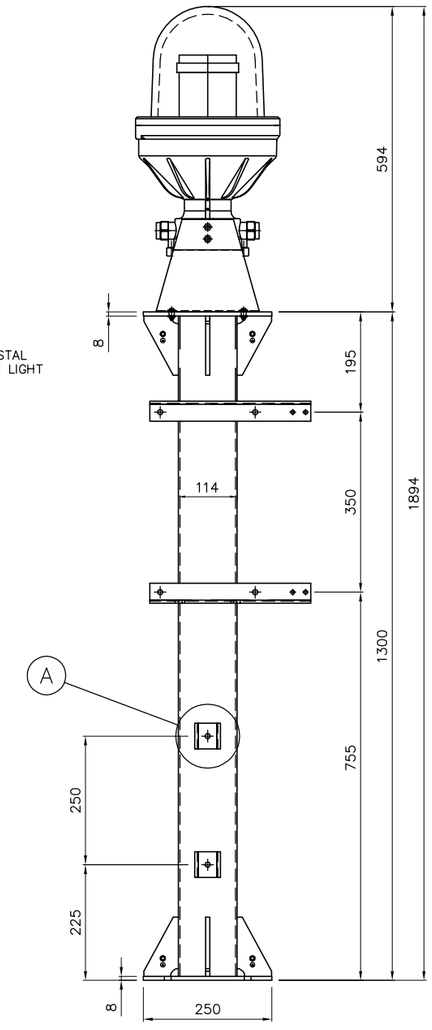
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 024 | REV. 04

F.to UNI A3: 420mmx297mm

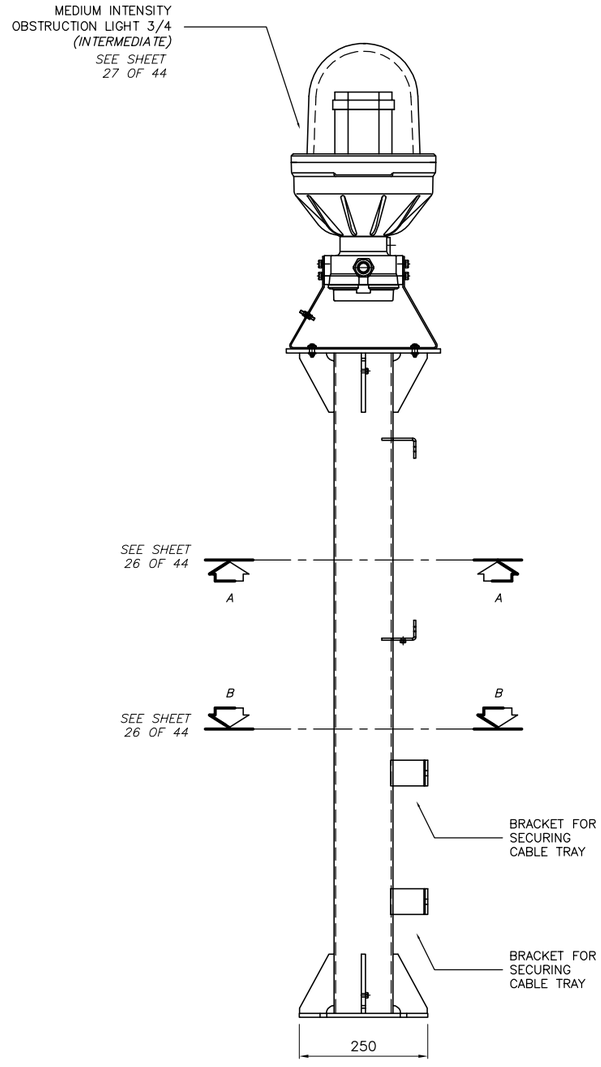
File Name : 1724000775–EL–DA–00003 REV.4.DWG



RIGHT SIDE VIEW



FRONT SIDE VIEW

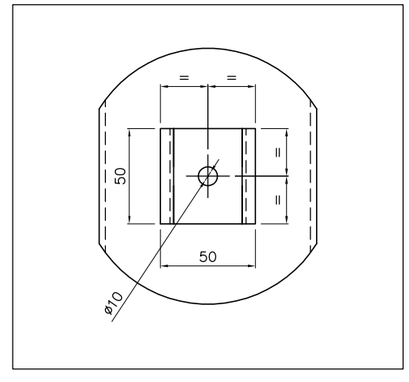


LEFT SIDE VIEW

TECHNICAL DATA

SUPPORT POLE

– TYPE:	CRP 1510
– MANUFACTURER:	BIAGIOTTI
– MATERIAL:	AISI316L S.S.
– UNITARY WEIGHT:	25kg
– QUANTITY:	2
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, Doc. No. 1724000775-EL-LIS-00009)



DETAIL A – CABLE TRAY BRACKET

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB-2416/C | SICE DOC. No : DW-864-3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

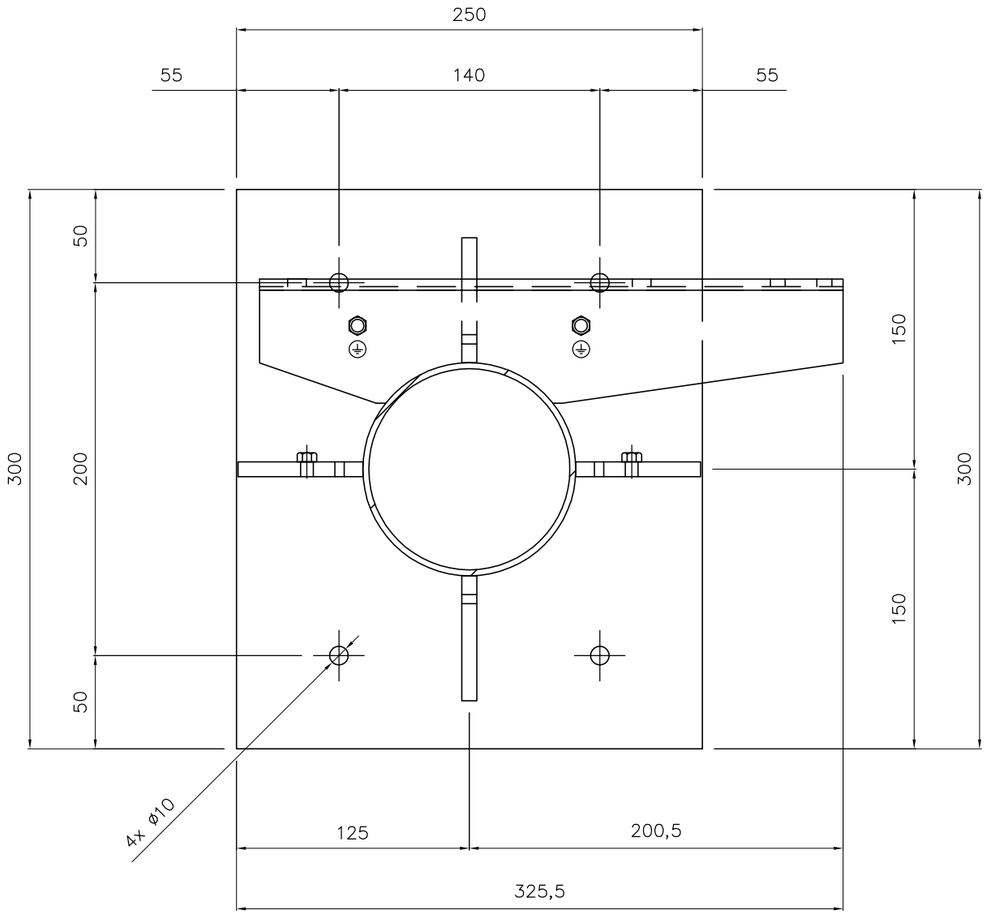
TITLE : BASE LOAD POWER HUB (BLPH)
MEDIUM INTENSITY AOL (EOL-200-03/04)
c/w SUPPORT POLE – DIMENSIONAL DRAWING

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

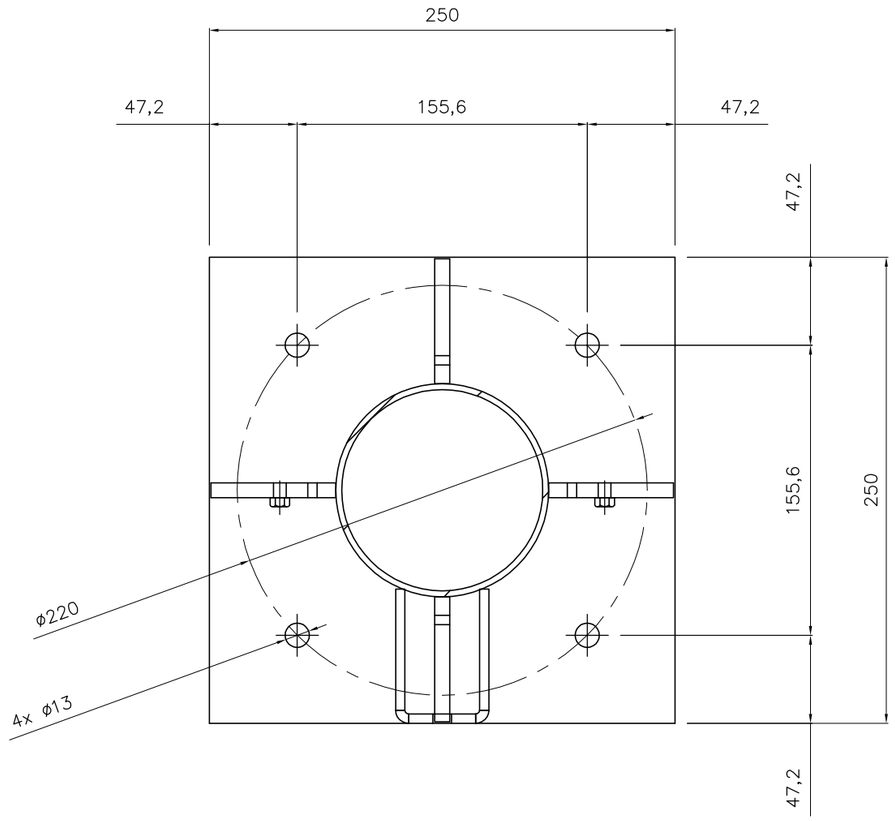
A3 | DRAWING NO. 1724000775-EL-DG-00003 | SHEET 025 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775-EL-DA-00003 REV.4.DWG



A–A VIEW



B–B VIEW

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB–2416/C	SICE DOC. No : DW–864–3			
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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

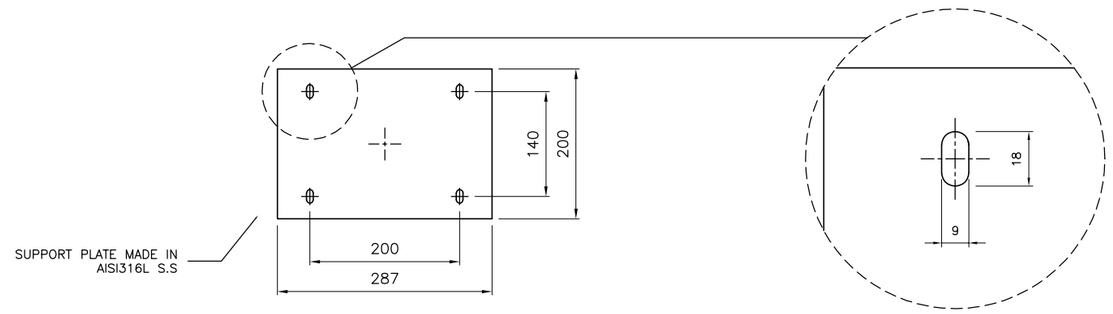
TITLE : BASE LOAD POWER HUB (BLPH)
MEDIUM INTENSITY AOL (EOL–200–03/04)
c/w SUPPORT POLE – A–A VIEW & B–B VIEW

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

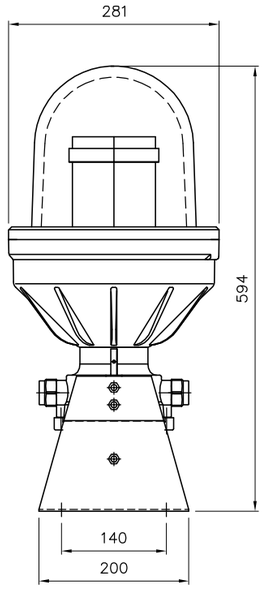
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 026 | REV. 04

F.to UNI A3: 420mmx297mm

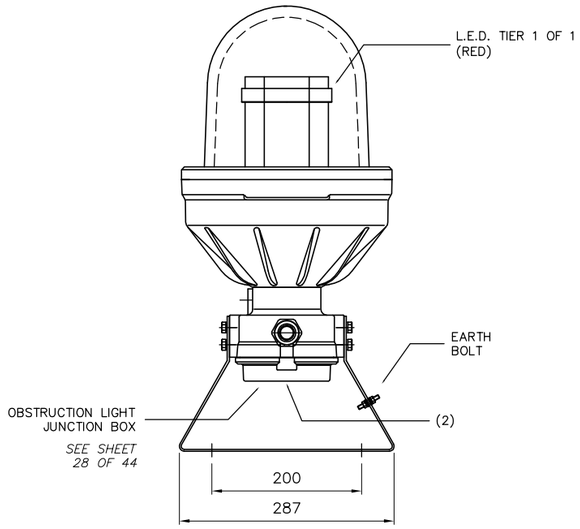
File Name : 1724000775–EL–DA–00003 REV.4.DWG



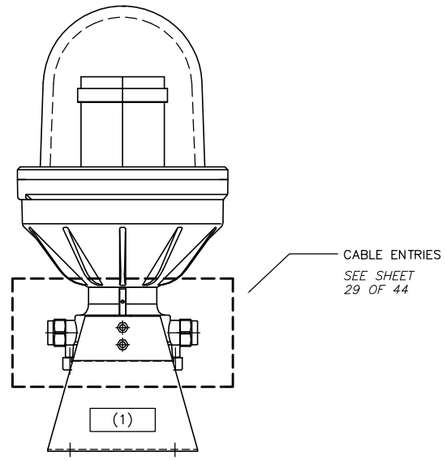
BOTTOM SIDE VIEW



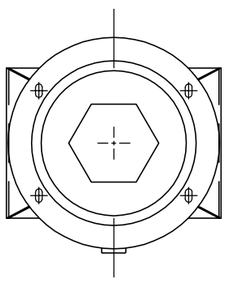
RIGHT SIDE VIEW



FRONT SIDE VIEW



LEFT SIDE VIEW



TOP SIDE VIEW

TECHNICAL DATA

MEDIUM INTENSITY OBSTRUCTION LIGHT (MIOL CAP168 – GROUP C)

– TYPE:	L864–LXS–EX–CAP168–CS2LJS
– MANUFACTURER:	LUXSOLAR
– BODY MATERIAL:	MARINE GRADE ALUMINIUM
– EXTERNAL PAINTING CYCLE:	SUITABLE FOR OFF–SHORE (COMPLIANT WITH ISO 12944, part 2, category C5)
– BODY PAINTING:	RAL 7035
– PEDESTAL MATERIAL:	AISI316L S.S. (not painted)
– DOME MATERIAL:	BOROSILICATE FUSED TEMPERED GLASS
– DOME COLOUR:	CLEAR
– LIGHT SOURCE:	L.E.D.
– LIGHT COLOUR:	RED (STEADY BURNING)
– EMISSION TYPE:	360° (RADIAL)
– LIGHT OUTPUT INTENSITY:	2000cd (EFFECTIVE)
– RATED VOLTAGE:	230Vac
– POWER CONSUMPTION:	54W
– EXECUTION:	Ex de IIC T4 Gb
– AMBIENT TEMPERATURE:	–52°C / +60°C
– PROTECTION DEGREE (IP):	IP66
– UNITARY WEIGHT:	15kg
– QUANTITY:	4
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, Doc. No. 1724000775–EL–LIS–00009)

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) =
MEDIUM INTENSITY AERONAUTICAL OBSTRUCTION LIGHT 1
(TOP LIGHT)
(EOL–200–01)

MEDIUM INTENSITY AERONAUTICAL OBSTRUCTION LIGHT 2
(TOP LIGHT)
(EOL–200–02)

MEDIUM INTENSITY AERONAUTICAL OBSTRUCTION LIGHT 3
(INTERMEDIATE LIGHT)
(EOL–200–03)

MEDIUM INTENSITY AERONAUTICAL OBSTRUCTION LIGHT 4
(INTERMEDIATE LIGHT)
(EOL–200–04)

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(2) =
DO NOT OPEN
WHEN ENERGIZED

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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)
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00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

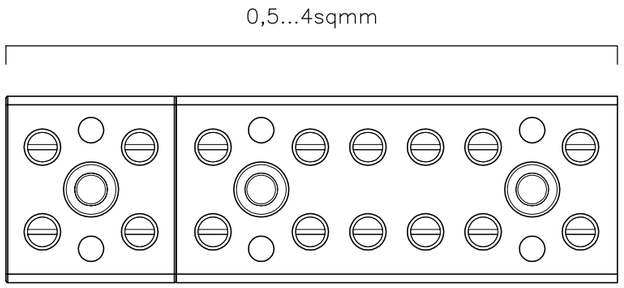
TITLE : BASE LOAD POWER HUB (BLPH)
MEDIUM INTENSITY AOL (EOL–200–01/02/03/04)
DIMENSIONAL DRAWING

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

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 027 | REV. 04

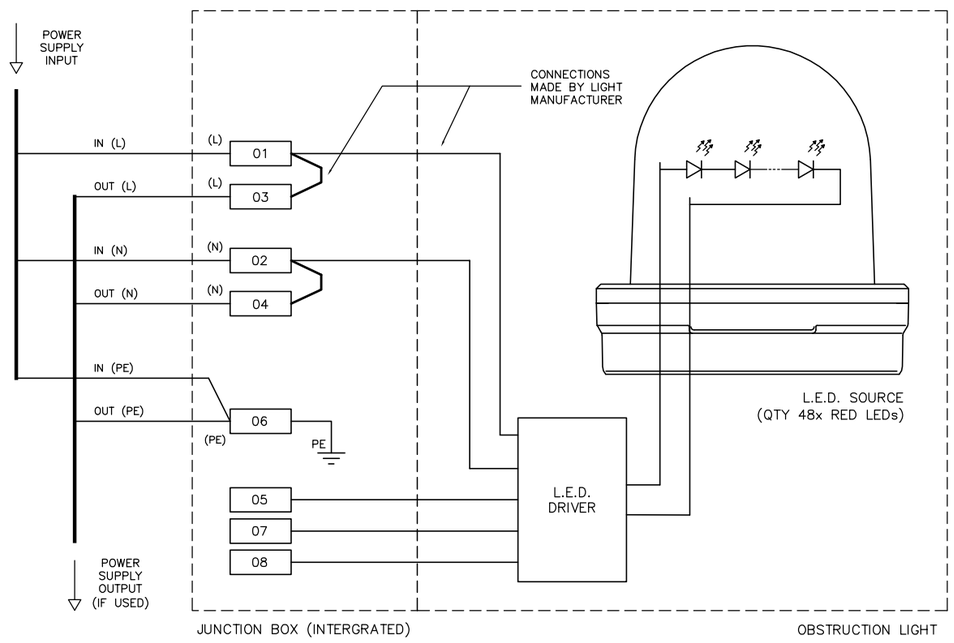
F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG

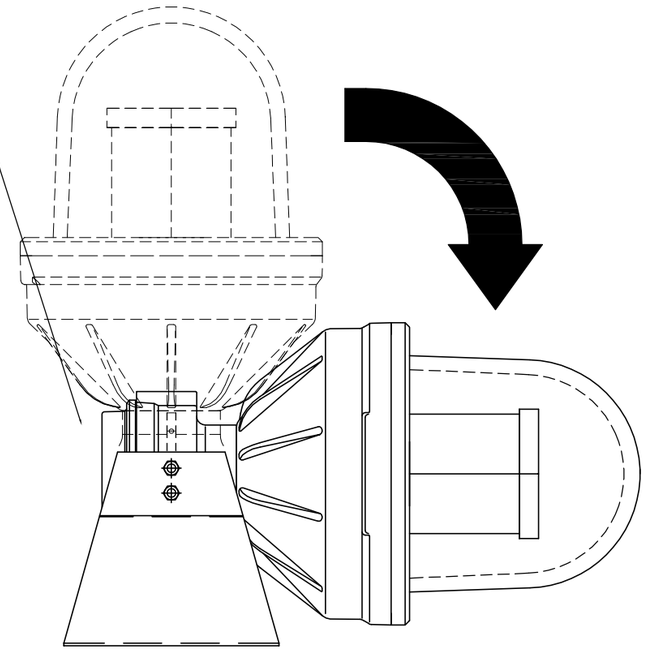


01	02	03	04	05	06	07	08
IN (L)	IN (N)	OUT (L)	OUT (N)	NC	PE	NC	NC
MIOL POWER SUPPLY INPUT		MIOL POWER SUPPLY OUTPUT					
RESPECT POLARITIES WHILE CONNECTING WIRES							

MEDIUM INTENSITY OBSTRUCTION LIGHT *(EOL-200-01/02/03/04)* – TERMINAL STRIP



OBSTRUCTION LIGHT JUNCTION BOX – INTERNAL WIRING (BY LIGHT MANUFACTURER)



LEFT SIDE VIEW
ACCESS TO TERMINAL STRIP FROM BOTTOM

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB-2416/C	SICE DOC. No : DW-864-3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
MEDIUM INTENSITY AOL (EOL-200-01/02/03/04)
INTERNAL VIEW (TERMINAL STRIP LAYOUT)

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

A3 | DRAWING NO. 1724000775-EL-DG-00003 | SHEET 028 | REV. 04

F.to UNI A3: 420mmx297mm

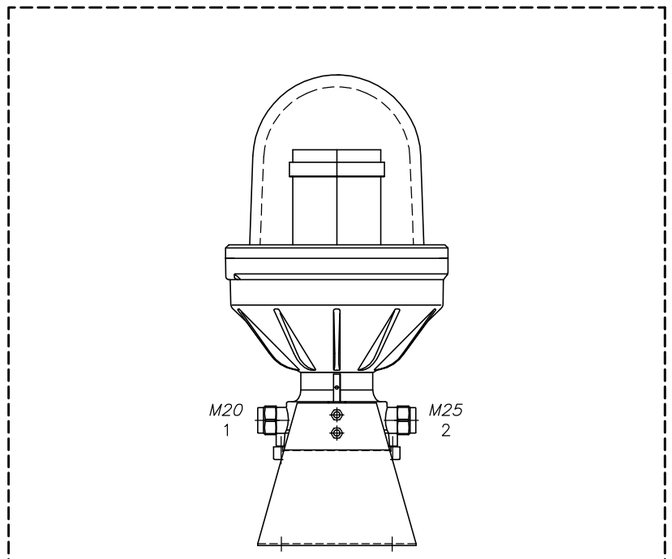
File Name : 1724000775-EL-DA-00003 REV.4.DWG

MEDIUM INTENSITY AERONAUTICAL OBSTRUCTION LIGHT 1 *(EOL–200–01)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72204–CEL*	*MEDIUM INTENSITY AOL 1/2 JUNCTION BOX (EJB–200F2–01)*	POWER SUPPLY FOR OBSTRUCTION LIGHT	3G2.5 mm² (1)	M20 (2)(4)
2	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M25 (3)

MEDIUM INTENSITY AERONAUTICAL OBSTRUCTION LIGHT 2 *(EOL–200–02)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72205–CEL*	*MEDIUM INTENSITY AOL 1/2 JUNCTION BOX (EJB–200F2–01)*	POWER SUPPLY FOR OBSTRUCTION LIGHT	3G2.5 mm² (1)	M20 (2)(4)
2	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M25 (3)

MEDIUM INTENSITY AERONAUTICAL OBSTRUCTION LIGHT 3 *(EOL–200–03)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72212–CEL*	*MEDIUM INTENSITY AOL 3/4 JUNCTION BOX (EJB–200F2–02)*	POWER SUPPLY FOR OBSTRUCTION LIGHT	3G2.5 mm² (1)	M20 (2)(4)
2	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M25 (3)

MEDIUM INTENSITY AERONAUTICAL OBSTRUCTION LIGHT 4 *(EOL–200–04)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72213–CEL*	*MEDIUM INTENSITY AOL 3/4 JUNCTION BOX (EJB–200F2–02)*	POWER SUPPLY FOR OBSTRUCTION LIGHT	3G2.5 mm² (1)	M20 (2)(4)
2	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M25 (3)



CABLE ENTRY ON RIGHT AND LEFT SIDE

NOTES

(1) INTERCONNECTING CABLE PROVIDED, INSTALLED AND WIRED BY OTHER (NOT BY SICE)

(2) CABLE GLAND SUPPLIED AND INSTALLED BY OTHER (NOT BY SICE) (SUITABLE FOR Ex ENCLOSURE)

(3) BLIND PLUG SUPPLIED AND INSTALLED BY SICE (SUITABLE FOR Ex ENCLOSURE)

(4) ADAPTER (M25 MALE TO M20 FEMALE) INSTALLED BY SICE

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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)
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01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

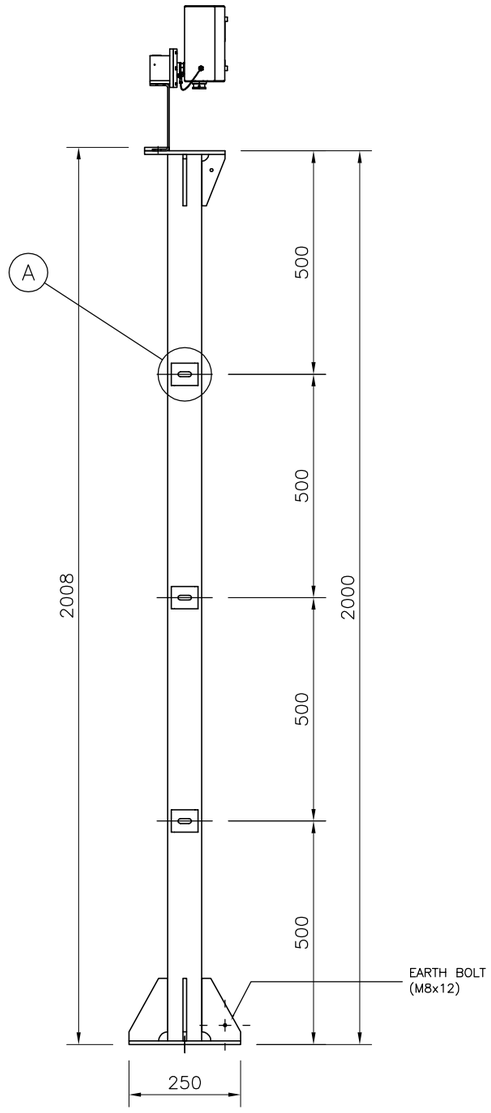
TITLE : BASE LOAD POWER HUB (BLPH)
MEDIUM INTENSITY AOL (EOL–200–01/02/03/04)
SUGGESTED CABLE ENTRY LAYOUT

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

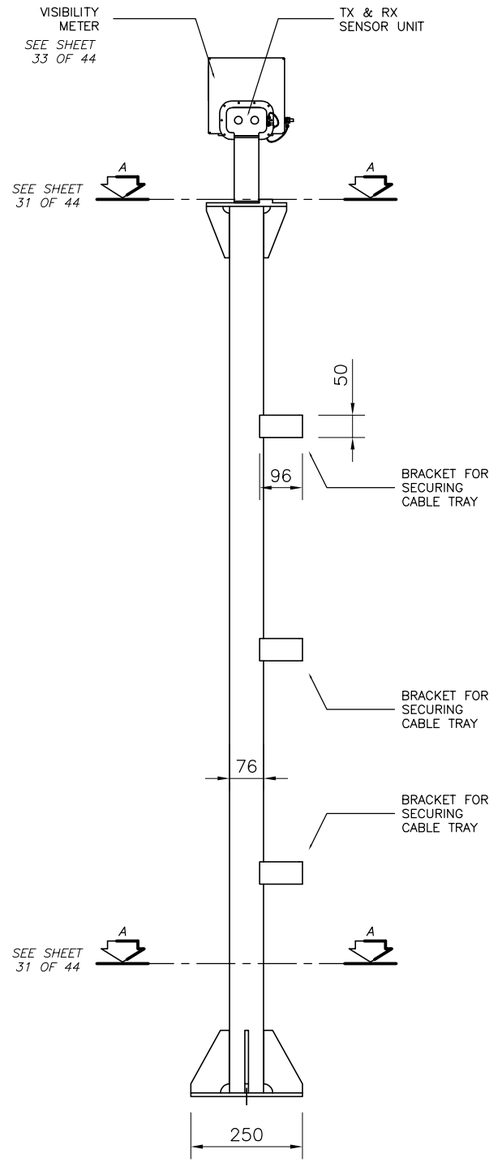
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 029 | REV. 04

F.to UNI A3: 420mmx297mm

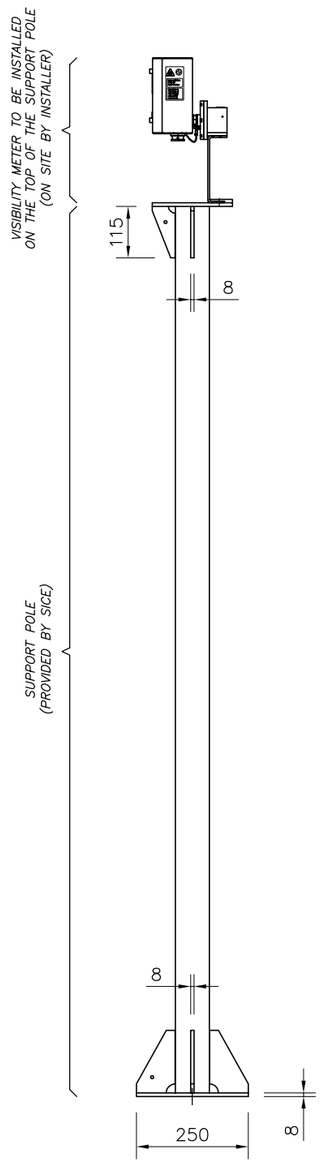
File Name : 1724000775–EL–DA–00003 REV.4.DWG



RIGHT SIDE VIEW

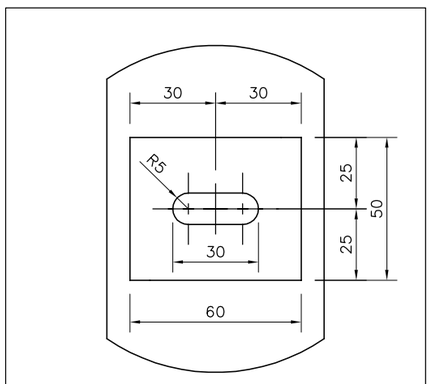


FRONT SIDE VIEW



LEFT SIDE VIEW

TECHNICAL DATA	
VISIBILITY METER	
– TYPE:	FD–410EX–MINI–OC–M
– MANUFACTURER:	PHAROS MARINE
– BODY MATERIAL:	AISI316L S.S.
– MOUNTING BRACKET MATERIAL:	AISI316L S.S.
– MEASUREMENT RANGE:	20m–4000m
– WAVELENGHT:	850nm
– RATED VOLTAGE:	10–30VDC
– POWER CONSUMPTION:	2.2W (AVERAGE)
– EXECUTION:	Ex II 2 G Ex d IIB T6 Gb
– OPERATING TEMPERATURE:	–40°C / +55°C
– PROTECTION DEGREE:	IP66
– UNITARY WEIGHT:	6kg
SUPPORT POLE	
– TYPE:	CRP 1425
– MATERIAL:	AISI316L S.S.
– UNITARY WEIGHT:	20kg
GENERAL DATA	
– TOTAL WEIGHT:	26kg
– QUANTITY:	1
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, Doc. No. 1724000775–EL–LIS–00009)



DETAIL A – CABLE TRAY BRACKET

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

sice

CROSSWIND | ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

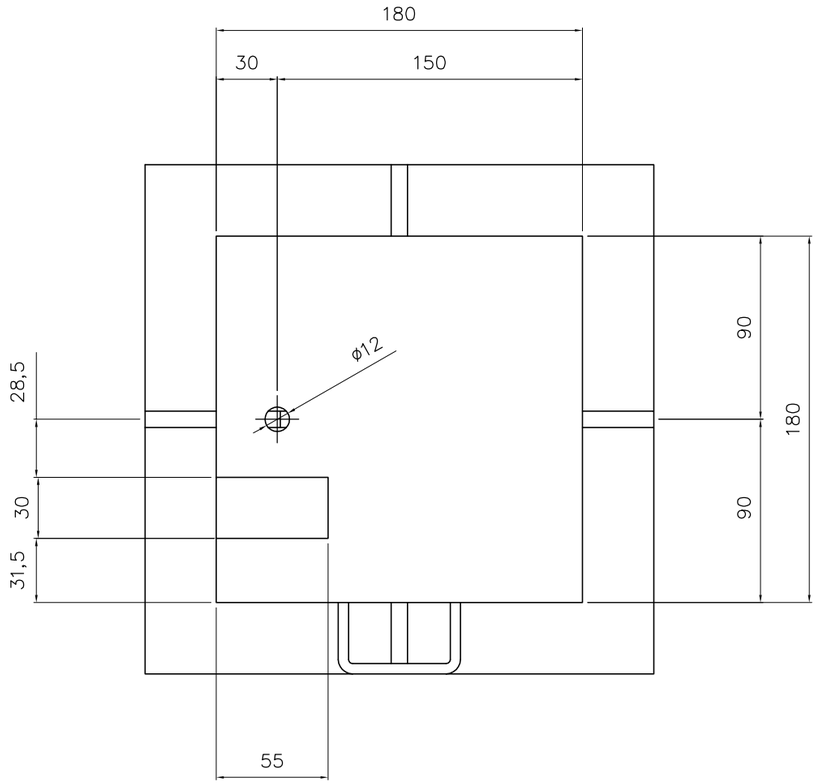
TITLE : BASE LOAD POWER HUB (BLPH)
VISIBILITY METER (EVM–200–01) c/w SUPPORT POLE
DIMENSIONAL DRAWING

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

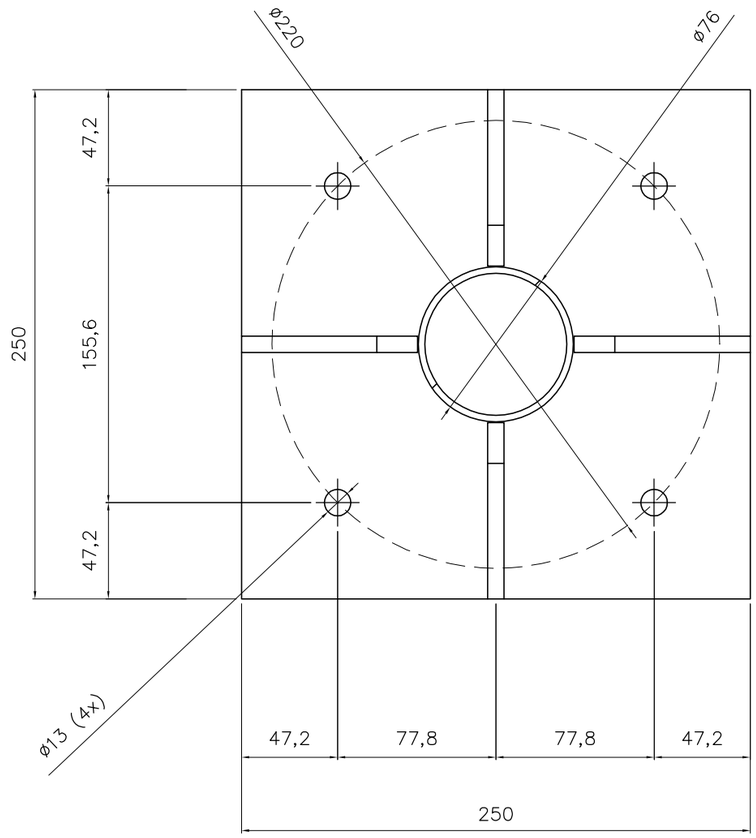
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 030 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



A–A VIEW



B–B VIEW

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	17/06/24	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–864–3

SICE ELETTRONICA sice

CROSSWIND

ROSETTI MARINO

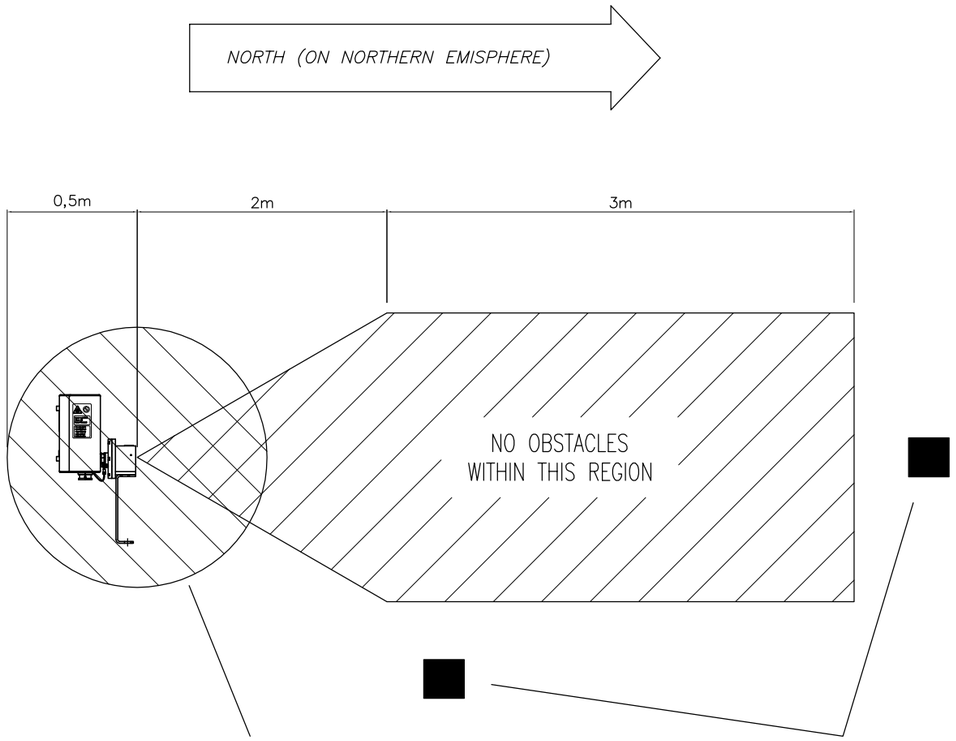
TITLE : BASE LOAD POWER HUB (BLPH)
VISIBILITY METER (EVM–200–01) c/w SUPPORT POLE
A–A VIEW & B–B VIEW

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

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 031 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



NOTES ON MECHANICAL INSTALLATION

1 – SITE SELECTION AND PREPARATION ARE CRITICAL FOR THE SUCCESSFUL PERFORMANCE OF THE VISIBILITY SENSOR: IT MUST MEASURE DATA THAT IS REPRESENTATIVE OF THE VISIBILITY IN THE AREA.

2 – THE FOG DETECTOR IS DESIGNED FOR NORMAL BASE MOUNTING IN A VERTICAL POSITION ON A SUITABLY RIGID, FLAT, HORIZONTAL SURFACE. USE A STURDY POLE OR PEDESTAL TO REDUCE VIBRATION *(SUITABLE SUPPORT POLE ALREADY PROVIDED BY SICE).*

3 – THE BEST LOCATION TO SITE THE SENSOR IS AT THE EDGE OF THE PLATFORM DECK WITH THE OPTICS LOOKING OVER THE HANDRAIL. THE CABLE GLAND ENTRY POSITIONS SHOULD FACE INBOARD. LIGHTS INSTALLED ON THE INSIDE OF THE RAIL TO ILLUMINATE THE WALKWAY FOR SAFETY REASON ARE ACCEPTABLE.

4 – THE FOG DETECTOR REQUIRES A CLEAR FIELD OF VIEW OVER THE INTENDED OPERATIONAL AREA: ANY OBSTRUCTION WILL SEVERELY RESTRICT OPERATING RANGE.

5 – DO NOT LOCATE THE SENSOR NEAR ARTIFICIAL SOURCES OF PARTICULATES OR CONDENSATION THAT MAY REDUCE THE VISIBILITY SUCH AS: EXHAUST VENTS, WATER COOLING TOWERS AND EVAPORATORS, SMOKE STACKS, ETC. AVOID ANY AREA SUBJECT TO DRIPPING WATER FROM DECK SCUPPERS OR WASH HOSES FROM ABOVE.

6 – TO PREVENT THE FOG DETECTOR FROM BEING BLINDED BY THE SUN AT MORNINGS AND EVENINGS, IT IS RECOMMENDED THAT THE FOG DETECTOR DOES NOT POINT THE EAST OR WEST.

7 – THE FOG DETECTOR SHOULD BE POINTED AWAYS FROM LIGHTS, BUILDINGS AND ANY REFLECTIVE STRUCTURES.

8 – THE SENSOR SHOULD BE MOUNTED SO THAT IT LOOKS HORIZONTAL AND ROUGHLY NORTH IN THE NORTHERN HEMISPHERE (OR SOUTH IN THE SOUTHERN HEMISPHERE) ELIMINATING DIRECT SUNLIGHT INTO RECEIVER. THERE MUST NOT BE ANYTHING IN THE SIGHTLINE CLOSER THAN 5 METERS. OUTSIDE A CONE OF ABOUT 30 DEGREES ANGLE OBJECTS CAN BE TOLERATED AT DOWN TO ABOUT 2 METERS. SEE FIGURE ON THE LEFT.

(FOR FURTHER INFORMATION/RECOMMENDATIONS REGARDING THE INSTALLATION OF THE EQUIPMENT PLEASE REFER TO THE RELEVANT OPERATIVE MANUAL)

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB-2416/C	SICE DOC. No : DW-864-3

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)
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00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
VISIBILITY METER (EVM-200-01) c/w SUPPORT POLE
INSTALLATION GUIDELINES

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

SCALE : NTS

A3

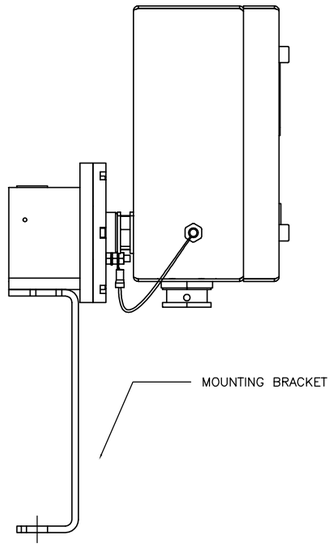
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SHEET 032

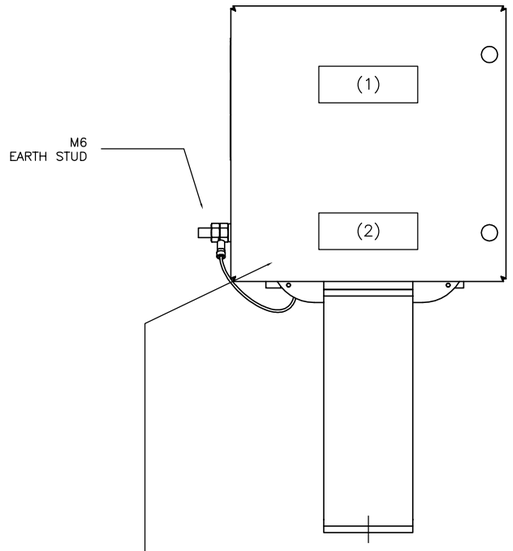
REV. 04

F.to UNI A3: 420mmx297mm

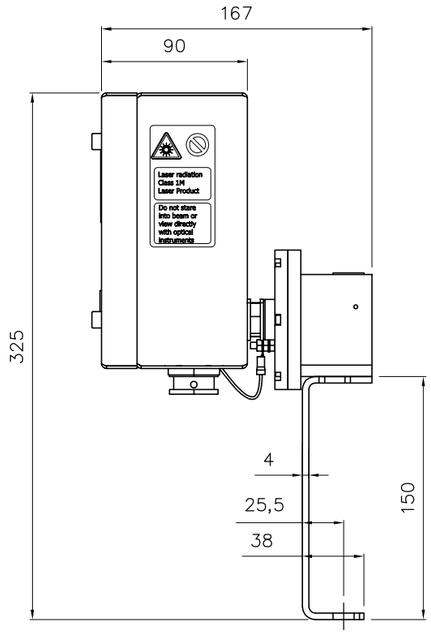
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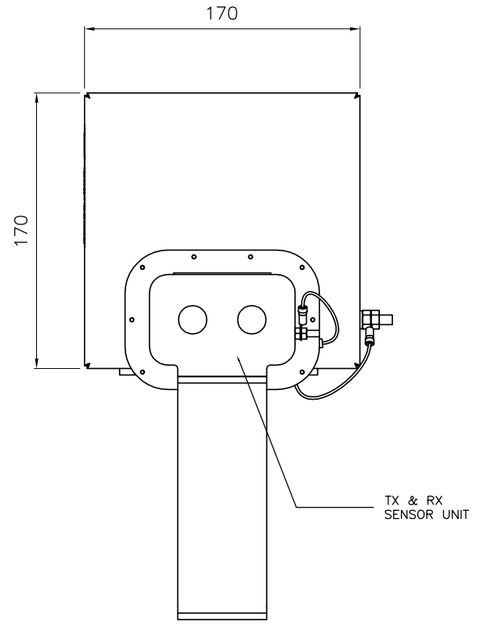
RIGHT SIDE VIEW



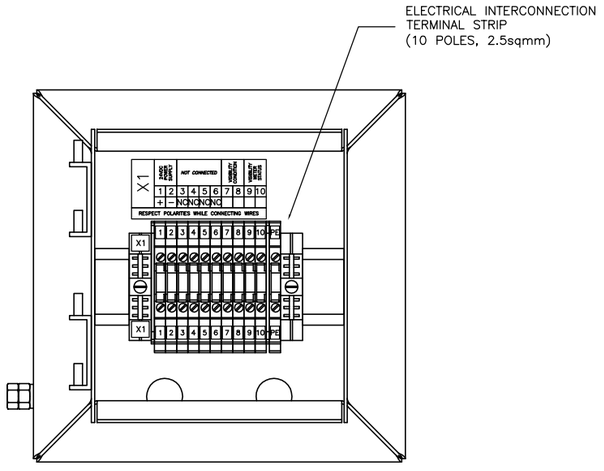
FRONT SIDE VIEW



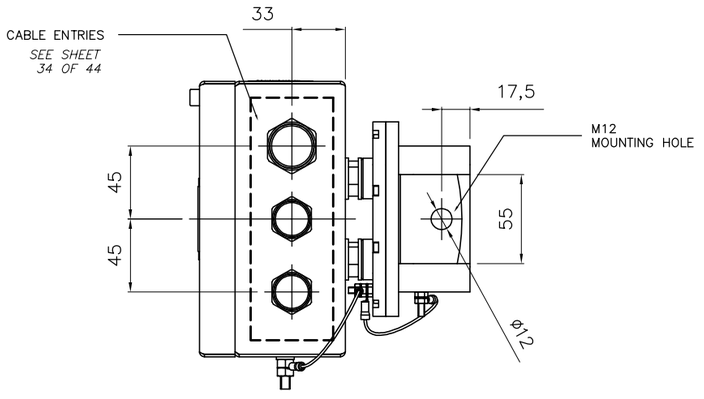
LEFT SIDE VIEW



REAR SIDE VIEW



VISIBILITY METER – TERMINAL STRIP DETAIL



BOTTOM SIDE VIEW

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) = VISIBILITY METER *(EVM–200–01)*

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(2) = DO NOT OPEN WHEN ENERGIZED

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	17/06/24	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–864–3

sice

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
VISIBILITY METER (EVM–200–01)
DIMENSIONAL DRAWING

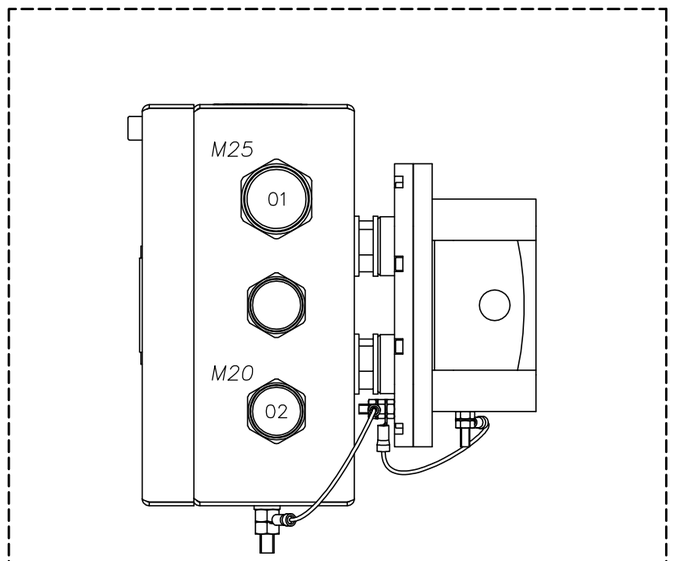
CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 033 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG

VISIBILITY METER *(EVM–200–01)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72217–CEC*	NAVAIDS CENTRAL CONTROL PANEL (NCCP) (NC–200F2/BC–200F2A/B)	INTERCONNECTION TO VISIBILITY METER	7x1.5 mm² (1)	M25 (2)
2	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M20 (3)



CABLE ENTRY ON BOTTOM SIDE

NOTES

(1) INTERCONNECTING CABLE PROVIDED, INSTALLED AND WIRED BY OTHER (NOT BY SICE)

(2) CABLE GLAND SUPPLIED AND INSTALLED BY OTHER (NOT BY SICE) (SUITABLE FOR Ex ENCLOSURE)

(3) BLIND PLUG SUPPLIED AND INSTALLED BY SICE (SUITABLE FOR Ex ENCLOSURE)

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

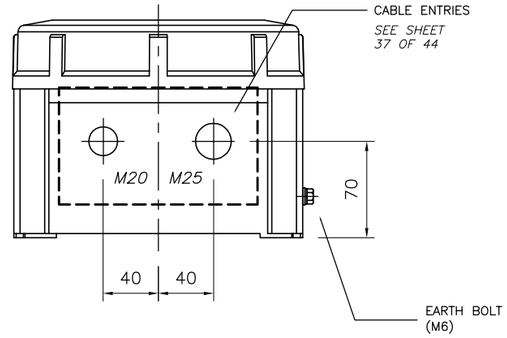
TITLE : BASE LOAD POWER HUB (BLPH)
VISIBILITY METER (EVM–200–01)
SUGGESTED CABLE ENTRY LAYOUT

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

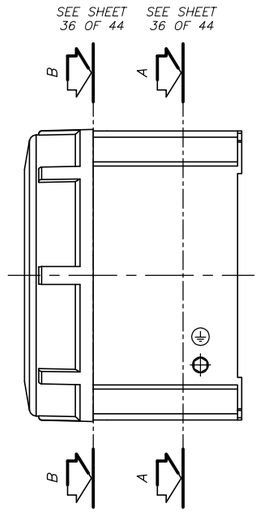
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 034 | REV. 04

F.to UNI A3: 420mmx297mm

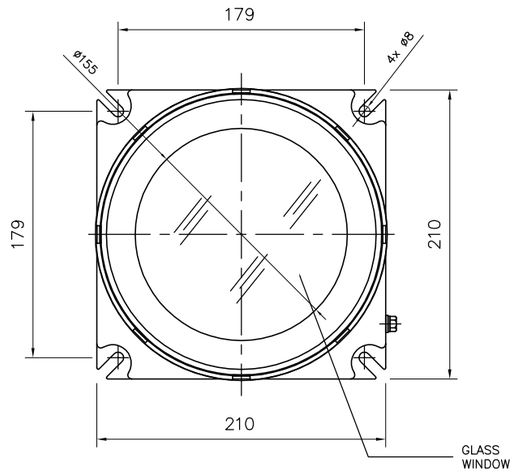
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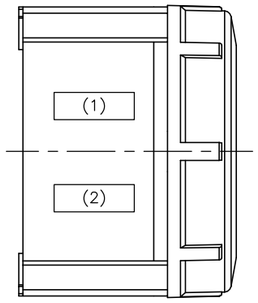
BOTTOM SIDE VIEW



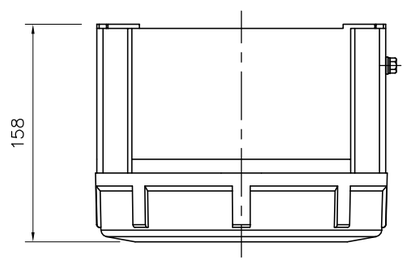
RIGHT SIDE VIEW



FRONT SIDE VIEW



LEFT SIDE VIEW



TOP SIDE VIEW

TECHNICAL DATA

PHOTOCELL ENCLOSURE	
– TYPE:	GUB–03/EMH–160
– MANUFACTURER:	TECHNOR
– ENCLOSURE MATERIAL:	MARINE GRADE ALUMINIUM
– EXTERNAL PAINTING CYCLE:	SUITABLE FOR OFF–SHORE (COMPLIANT WITH ISO 12944, part 2, category C5)
– EXTERNAL PAINTING COLOUR:	RAL 7035
– INTERNAL PAINTING:	RAL 2004 (ANTICONDENSATION)
– WINDOW MATERIAL:	TEMPERED GLASS
– EXECUTION:	Ex db IIC T6 Gb
– AMBIENT TEMPERATURE:	–50°C / +55°C
– PROTECTION DEGREE:	IP66
– UNITARY WEIGHT:	7kg
– QUANTITY:	1
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, Doc. No. 1724000775–EL–LIS–00009)

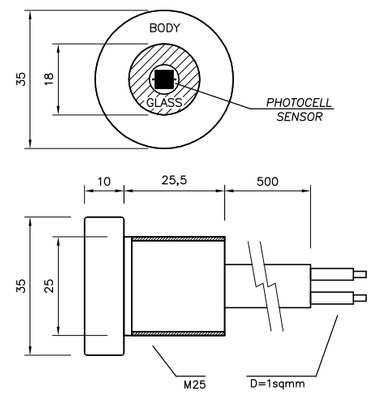
NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) = PHOTOCELL SYSTEM *(EPH–200–01)*

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(2) = DO NOT OPEN WHEN ENERGIZED

M25 PHOTOCELL – DIMENSIONAL DRAWING



SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

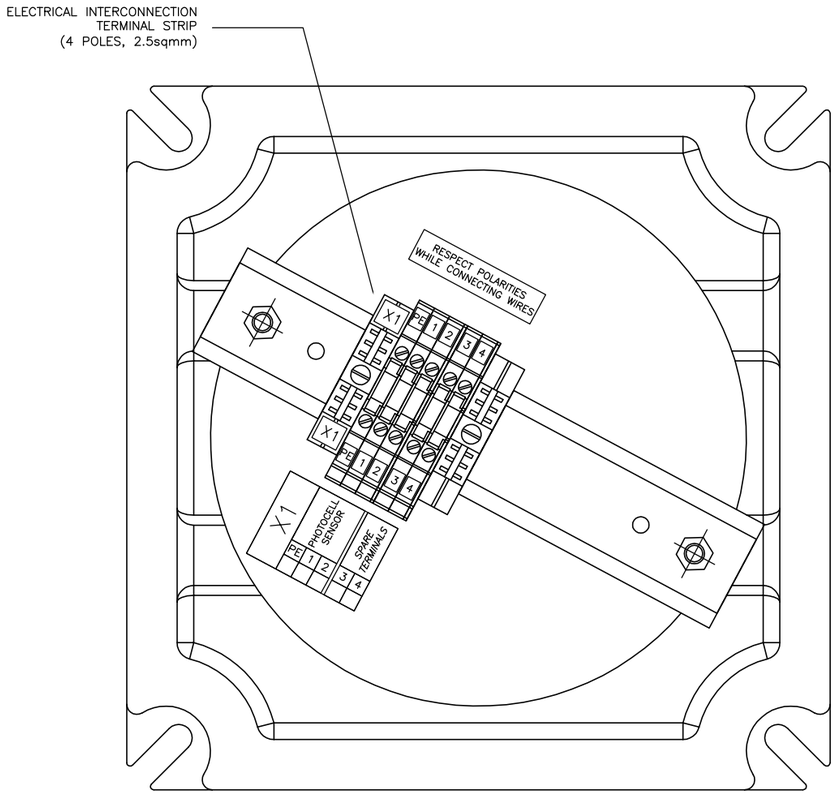
TITLE : BASE LOAD POWER HUB (BLPH)
PHOTOCELL SYSTEM (EPH–200–01)
DIMENSIONAL DRAWING

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

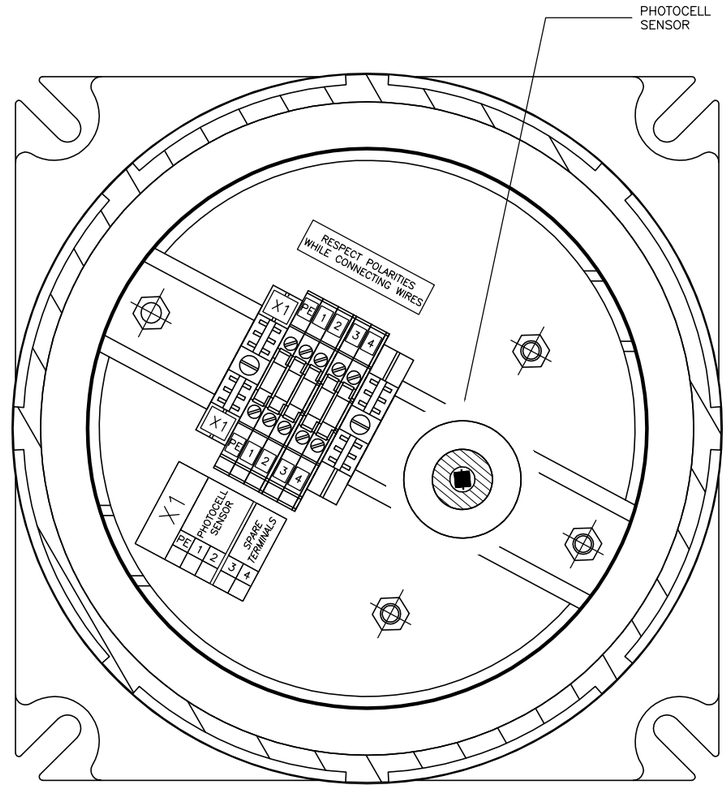
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 035 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



A–A VIEW



B–B VIEW

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB-2416/C	SICE DOC. No : DW-864-3			
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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PHOTOCELL SYSTEM (EPH–200–01)
A–A VIEW & B–B VIEW

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

SCALE : NTS

A3

DRAWING NO. 1724000775–EL–DG–00003

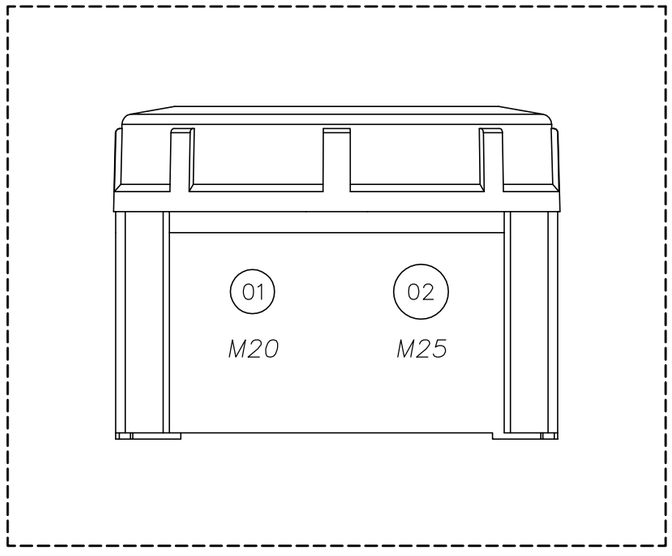
SHEET 036

REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG

PHOTOCELL SYSTEM *(EPH–200–01)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72207–CEC*	NAVAIDS CENTRAL CONTROL PANEL (NCCP) (NC–200F2/BC–200F2A/B)	INTERCONNECTION TO PHOTOCELL SENSOR	2x2.5 mm² (1)	M20 (2)
2	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M25 (3)



CABLE ENTRY ON BOTTOM SIDE

NOTES

(1) INTERCONNECTING CABLE PROVIDED, INSTALLED AND WIRED BY OTHER (NOT BY SICE)

(2) CABLE GLAND SUPPLIED AND INSTALLED BY OTHER (NOT BY SICE) (SUITABLE FOR Ex ENCLOSURE)

(3) BLIND PLUG SUPPLIED AND INSTALLED BY SICE (SUITABLE FOR Ex ENCLOSURE)

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

sice ELETTRONICA

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	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

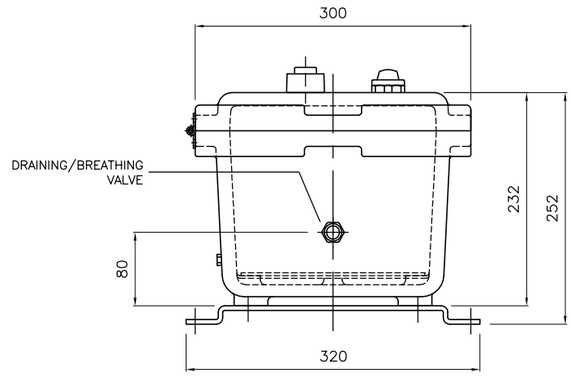
TITLE : BASE LOAD POWER HUB (BLPH)
PHOTOCELL SYSTEM (EPH–200–01)
SUGGESTED CABLE ENTRY LAYOUT

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

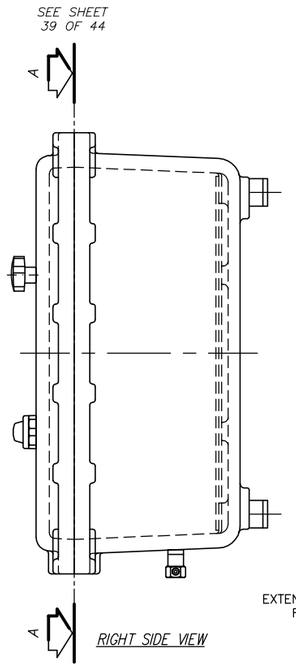
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 037 | REV. 04

F.to UNI A3: 420mmx297mm

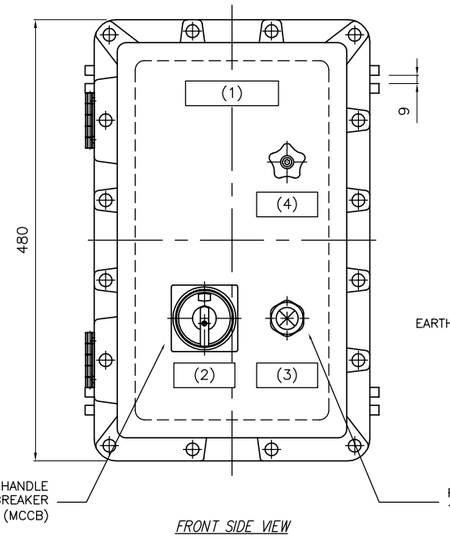
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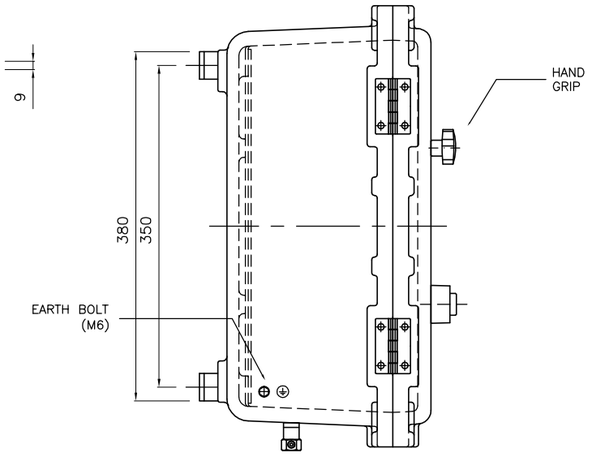
BOTTOM SIDE VIEW



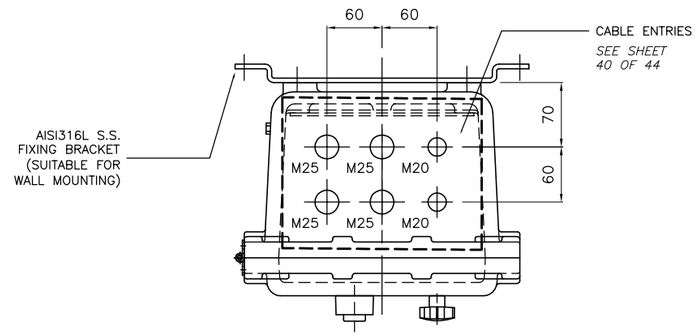
RIGHT SIDE VIEW



FRONT SIDE VIEW



LEFT SIDE VIEW



TOP SIDE VIEW

TECHNICAL DATA

NAVAIDS BATTERY BREAKER

– TYPE:	EJB–5
– MANUFACTURER:	TECHNOR
– MATERIAL:	MARINE GRADE ALUMINIUM
– EXTERNAL PAINTING CYCLE:	SUITABLE FOR OFF–SHORE (COMPLIANT WITH ISO 12944, part 2, category C5)
– EXTERNAL PAINTING COLOUR:	RAL 7035
– INTERNAL PAINTING:	RAL 2004 (ANTICONDENSATION)
– FIXING BRACKET MATERIAL:	AISI316L S.S. (NOT PAINTED)
– HINGE MATERIAL:	AISI316L S.S. (NOT PAINTED)
– EXECUTION:	Ex–db IIB+H2 T6
– AMBIENT TEMPERATURE:	–20°C / +50°C
– PROTECTION DEGREE:	IP66
– UNITARY WEIGHT:	25kg
– QUANTITY:	1
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, Doc. No. 1724000775–EL–LIS–00009)

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) = NAVAIDS BATTERY BREAKER (CB–200F2)

(2) = Q1 / NAVAIDS BATTERY CIRCUIT BREAKER

(3) = H1 / NAVAIDS BATTERY BREAKER ALARM

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(4) = DO NOT OPEN WHEN ENERGIZED

EXTENDED ROTARY HANDLE POSITIONS

BATTERY CIRCUIT BREAKER (Q1) 2 POSITIONS: ON/OFF:

(P1) ON: if this position is selected by the user, the Navaids Central Control Panel (NCCP) is connected to the Navaids Battery Bank (circuit breaker closed).

(P2) OFF: if this position is selected by the user, the Navaids Central Control Panel (NCCP) is disconnected from the Navaids Battery Bank (circuit breaker open).

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	17/06/24	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–864–3

SICE ELETTRONICA sice

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS BATTERY BREAKER (CB–200F2)
DIMENSIONAL DRAWING

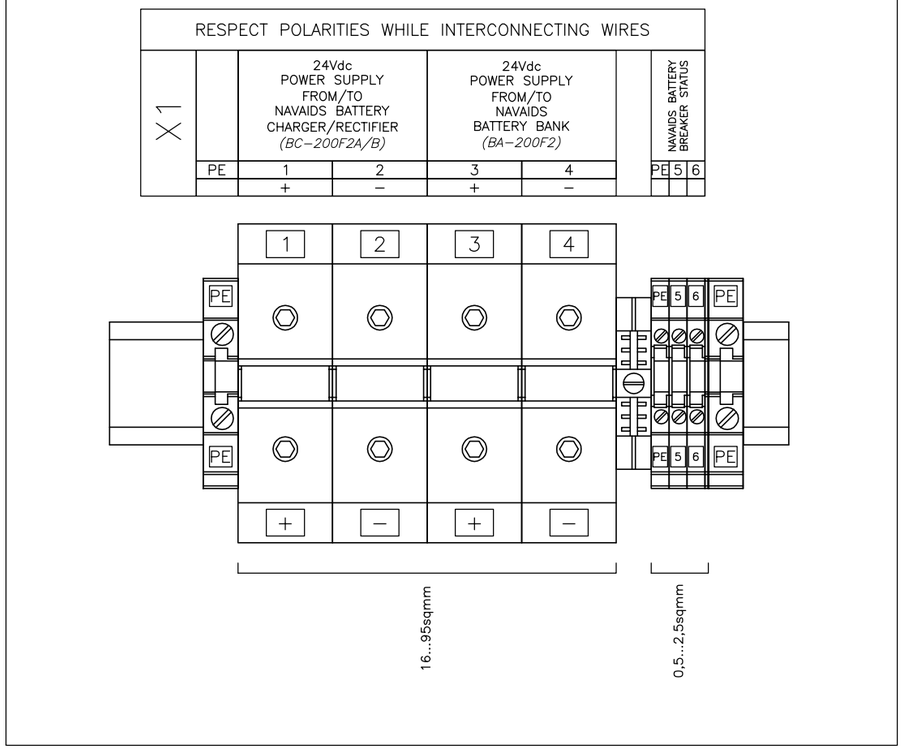
CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 038 | REV. 04

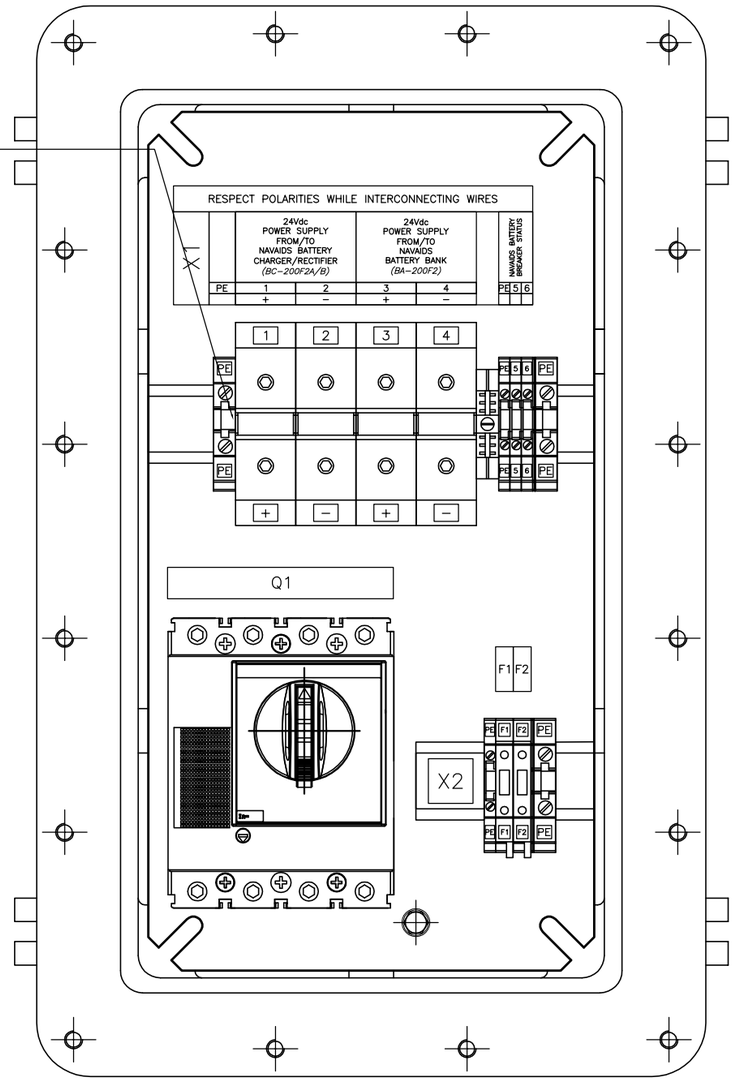
F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG

TERMINAL STRIP
TO BE USED BY CUSTOMER



NAVAIDS BATTERY BREAKER – TERMINAL STRIP DETAIL



A–A VIEW

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB–2416/C	SICE DOC. No : DW–864–3			
sice					
CROSSWIND	ROSETTI MARINO				

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	28/10/24	A.B.	M.G.	R.M.	AS–BUILT (ASB)
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00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS BATTERY BREAKER (CB–200F2)
A–A VIEW

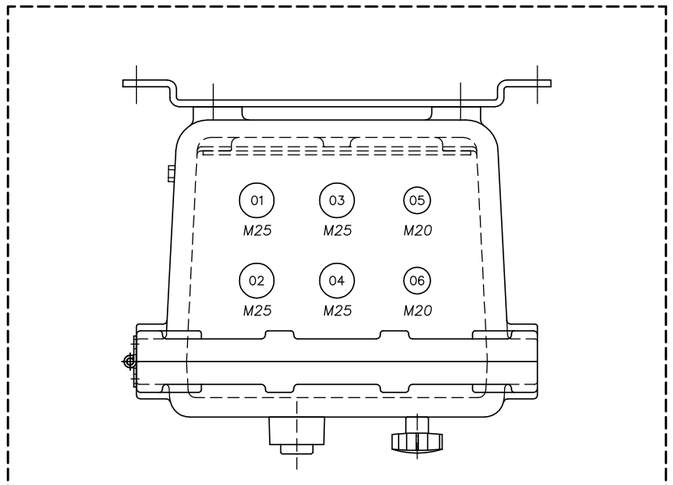
CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3	DRAWING NO.	SHEET	REV.
	1724000775–EL–DG–00003	039	04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG

NAVAIDS BATTERY BREAKER *(CB–200F2)*					
ID.	CABLE TAG	CABLE INCOMING FROM	CABLE FUNCTION	CABLE SIZE	CABLE GLAND SIZE
1	*72214–CEL–P*	NAVAIDS CENTRAL CONTROL PANEL (NCCP) (NC–200F2/BC–200F2A/B)	POWER SUPPLY FROM/TO BATTERY CHARGER/RECTIFIER (+)	1x70 mm² (1)	M25 (2)
2	*72214–CEL–N*	NAVAIDS CENTRAL CONTROL PANEL (NCCP) (NC–200F2/BC–200F2A/B)	POWER SUPPLY FROM/TO BATTERY CHARGER/RECTIFIER (–)	1x70 mm² (1)	M25 (2)
3	*72215–CEL–P*	NAVAIDS BATTERY BANK (BA–200F2)	POWER SUPPLY FROM/TO NAVAIDS BATTERY BANK (+)	1x70 mm² (1)	M25 (2)
4	*72215–CEL–N*	NAVAIDS BATTERY BANK (BA–200F2)	POWER SUPPLY FROM/TO NAVAIDS BATTERY BANK (–)	1x70 mm² (1)	M25 (2)
5	*72208–CEC*	NAVAIDS CENTRAL CONTROL PANEL (NCCP) (NC–200F2/BC–200F2A/B)	INTERCONNECTION TO NAVAIDS BATTERY BREAKER *(STATUS)*	2x2.5 mm² (1)	M20 (2)
6	–	*SPARE ENTRY*	*SPARE ENTRY*	–	M20 (3)



CABLE ENTRY ON TOP SIDE

NOTES

(1) INTERCONNECTING CABLE PROVIDED, INSTALLED AND WIRED BY OTHER (NOT BY SICE)

(2) CABLE GLAND SUPPLIED AND INSTALLED BY OTHER (NOT BY SICE) (SUITABLE FOR Ex ENCLOSURE)

(3) BLIND PLUG SUPPLIED AND INSTALLED BY SICE (SUITABLE FOR Ex ENCLOSURE)

SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB–2416/C	SICE DOC. No : DW–864–3

sice ELETTRONICA

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	28/10/24	A.B.	M.G.	R.M.	AS–BUILT (ASB)
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00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

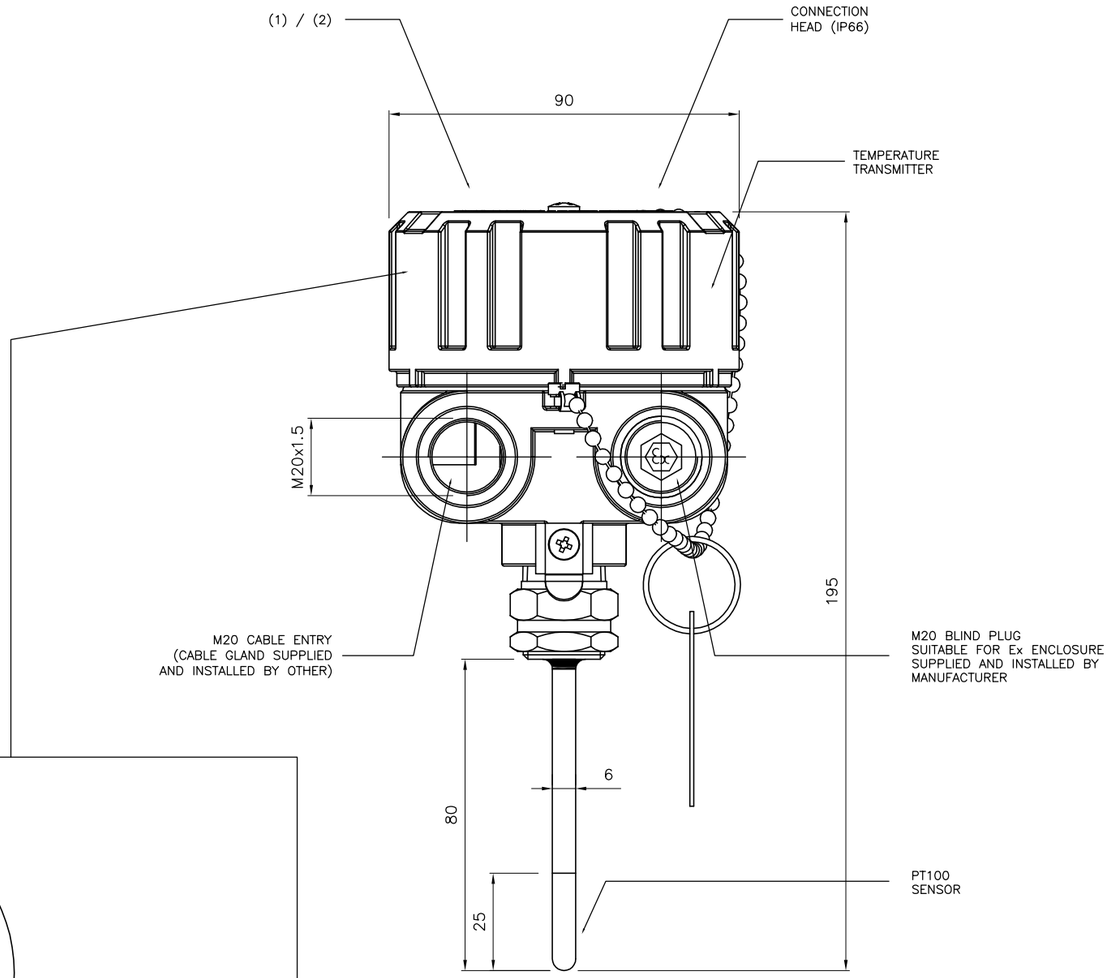
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS BATTERY BREAKER (CB–200F2)
SUGGESTED CABLE ENTRY LAYOUT

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

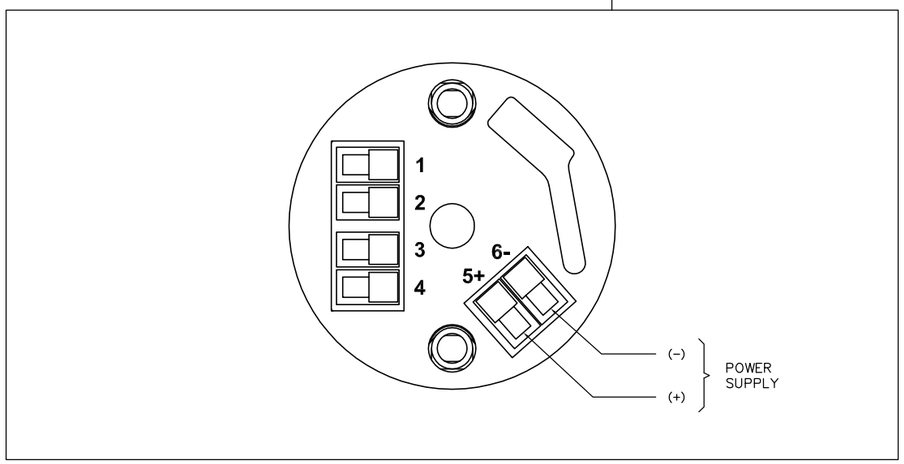
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 040 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



FRONT SIDE VIEW



TECHNICAL DATA

TEMPERATURE PROBE

– TYPE:	TS–CTL
– MANUFACTURER:	TERMICS
– HOUSING MATERIAL:	MARINE GRADE ALUMINIUM
– HOUSING PAINTING:	RAL 7035 (STD)
– EXECUTION:	Ex–db IIC T6
– TEMPERATURE PROBE TYPE:	PT100
– NOMINAL SENSOR RESISTANCE:	100Ω @0°C
– WIRING CONFIGURATION:	2 WIRES
– OPERATING TEMPERATURE:	–50°C / +70°C
– 4/20mA SIGNAL TYPE:	LOOP POWERED 4mA = –20°C 20mA = +50°C
– PROTECTION DEGREE:	IP66
– UNITARY WEIGHT:	1.5kg
– QUANTITY:	1

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) = BATTERY TEMPERATURE PROBE *(ETM–200–01)*

NAMEPLATES MADE IN TRAFFOLYTE WITH WHITE LETTERING ON A RED BACKGROUND

(2) = DO NOT OPEN WHEN ENERGIZED

SICE P.O. No : 1724000775 123A90A | SICE JOB No : JB–2416/C | SICE DOC. No : DW–864–3

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)
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01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

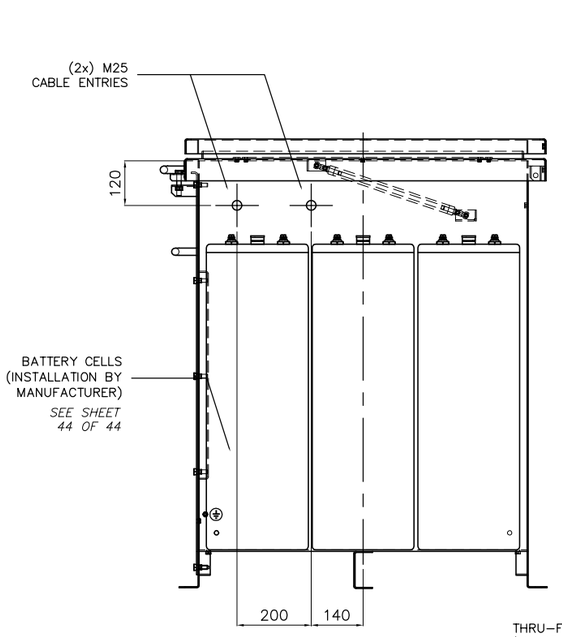
TITLE : BASE LOAD POWER HUB (BLPH)
BATTERY TEMPERATURE PROBE (ETM–200–01)
DIMENSIONAL DRAWING

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

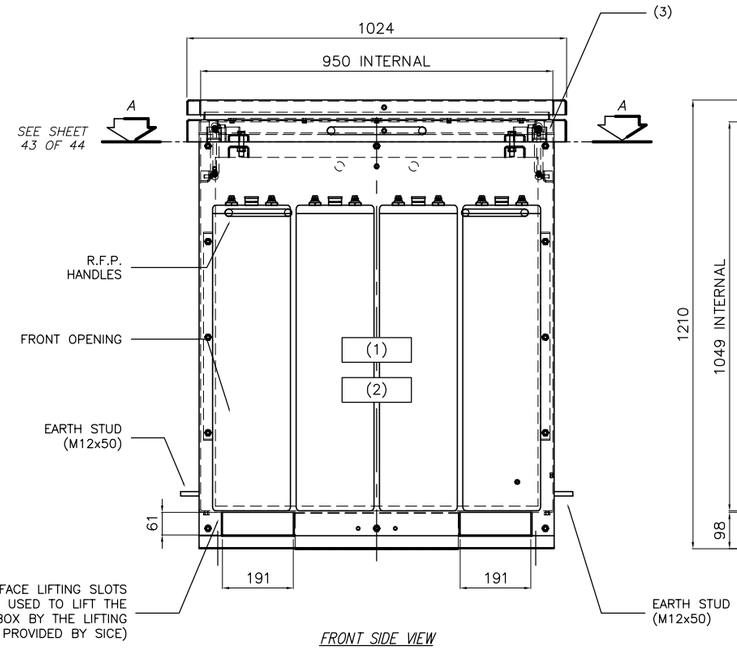
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 041 | REV. 04

F.to UNI A3: 420mmx297mm

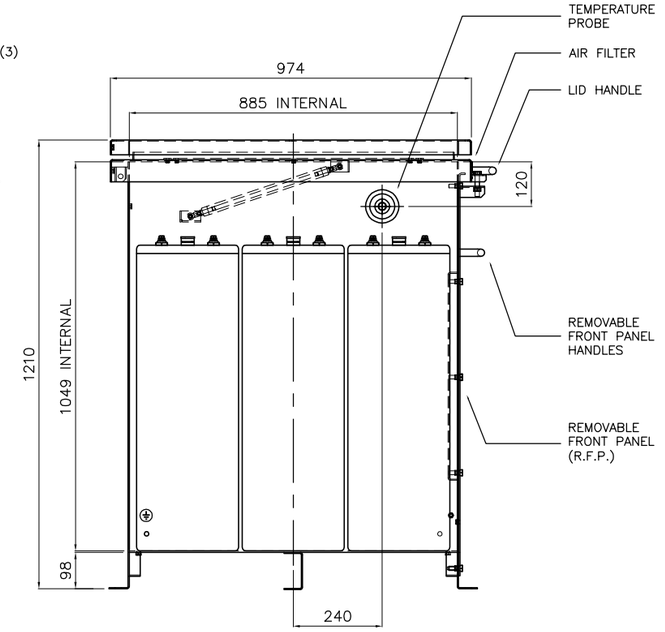
File Name : 1724000775–EL–DA–00003 REV.4.DWG



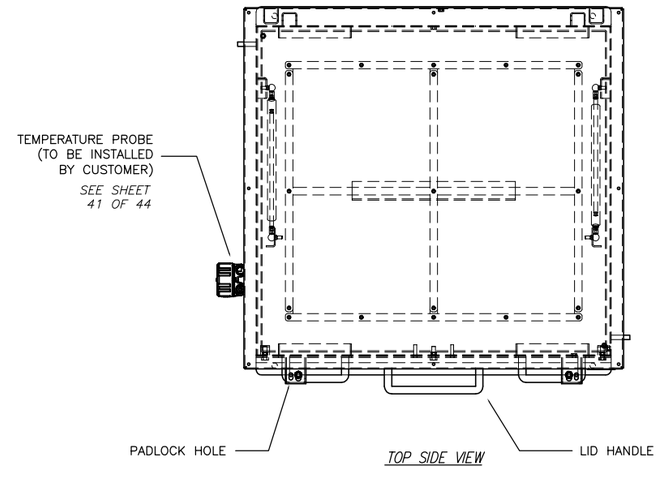
RIGHT SIDE VIEW



FRONT SIDE VIEW



LEFT SIDE VIEW



TOP SIDE VIEW

TECHNICAL DATA

BATTERY BOX

– TYPE:	BTBX–EXCM GS Ex
– MANUFACTURER:	PHAROS
– MATERIAL:	AISI316L STAINLESS STEEL
– EXTERNAL PAINTING:	NONE (STD METAL POLISH)
– INTERNAL PAINTING:	PLASTI DIP SYNTHETIC RUBBER PROTECTIVE COATING
– LID TYPE:	HINGED
– BATTERY LOADING:	REMOVABLE FRONT PANEL
– EXECUTION:	Ex–eb IIC T6 Gb
– AMBIENT TEMPERATURE:	–40°C / +55°C
– PROTECTION DEGREE:	IP56
– UNITARY WEIGHT:	225kg (WITHOUT BATTERIES)

BATTERY CELL

– TYPE:	SMG 1680
– MANUFACTURER:	FIAMM
– CAPACITY (10h @1.80V/CELL):	1680Ah
– SHORT CIRCUIT CURRENT:	11730A (FULLY CHARGED)
– NOMINAL CELL VOLTAGE:	2.00V/CELL
– QUANTITY OF CELLS:	12
– UNITARY CELL WIDTH:	275mm
– UNITARY CELL HEIGHT:	849mm (INCLUDE TOP SCREWS)
– UNITARY BLOCK LENGTH:	210mm
– UNITARY CELL WEIGHT:	112kg

GENERAL DATA

– NOMINAL BATT. BANK VOLTAGE:	24VDC
– BATTERY BANK CAPACITY:	1680Ah (10h @1.80V/CELL 20°C)
– TOTAL WEIGHT:	1570kg
– FIXATION ACCESSORIES:	INCLUDED (SEE MATERIAL LIST, Doc. No. 1724000775–EL–LIS–00009)

NAMEPLATES MADE IN TRAFFOLYTE WITH BLACK LETTERING ON A WHITE BACKGROUND

(1) =

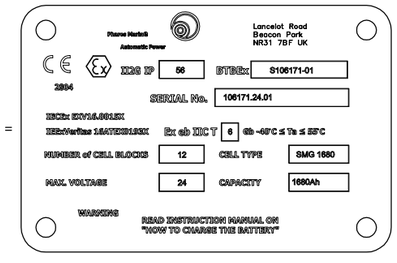
NAVAIDS
BATTERY BANK
(BA–200F2)

(2) =

CELL TYPE :	SMG 1680
CELL CAPACITY (C10):	1680Ah
CELL MANUFACTURER:	FIAMM
Q.TY OF CELLS:	12 (VRLA)
NOMINAL BANK VOLTAGE:	24VDC
TOTAL BANK CAPACITY (C10):	1680Ah

NAMEPLATES MADE IN AISI316L S.S. WITHOUT BACKGROUND COLOUR AND WITH TEXT AND NUMBERING ENGRAVED

(3) =



SICE P.O. No : 1724000775 123A90A	SICE JOB No : JB–2416/C	SICE DOC. No : DW–864–3			

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)
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00	17/06/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)

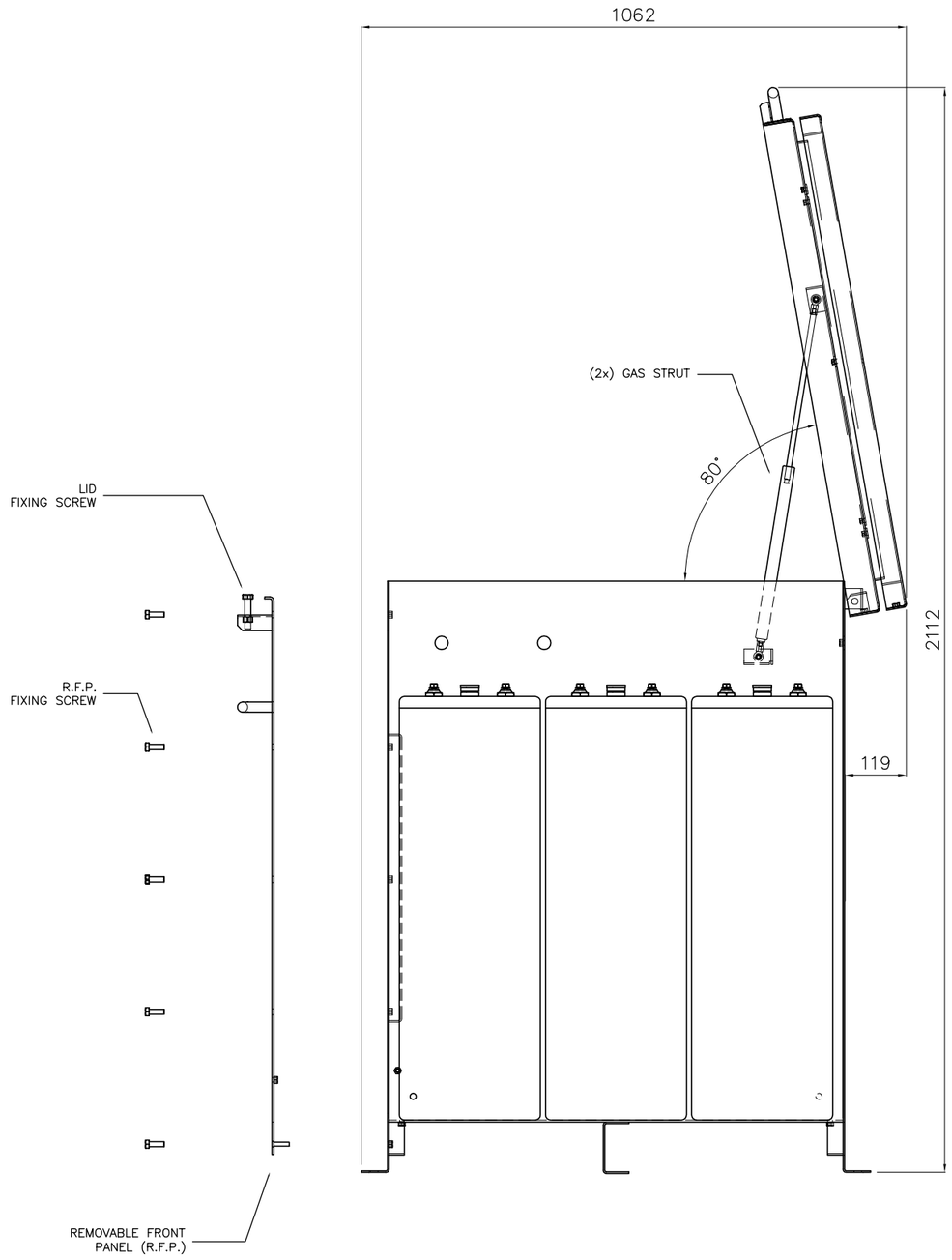
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS BATTERY BANK (BA–200F2)
DIMENSIONAL DRAWING

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

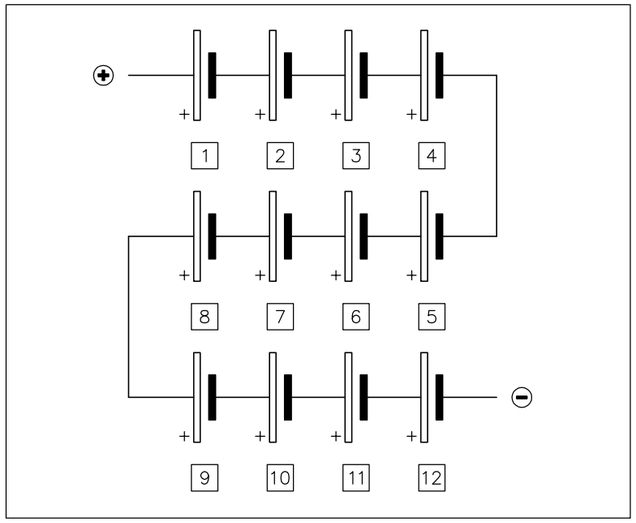
A3	DRAWING NO.	SHEET	REV.
	1724000775–EL–DG–00003	042	04

F.to UNI A3: 420mmx297mm

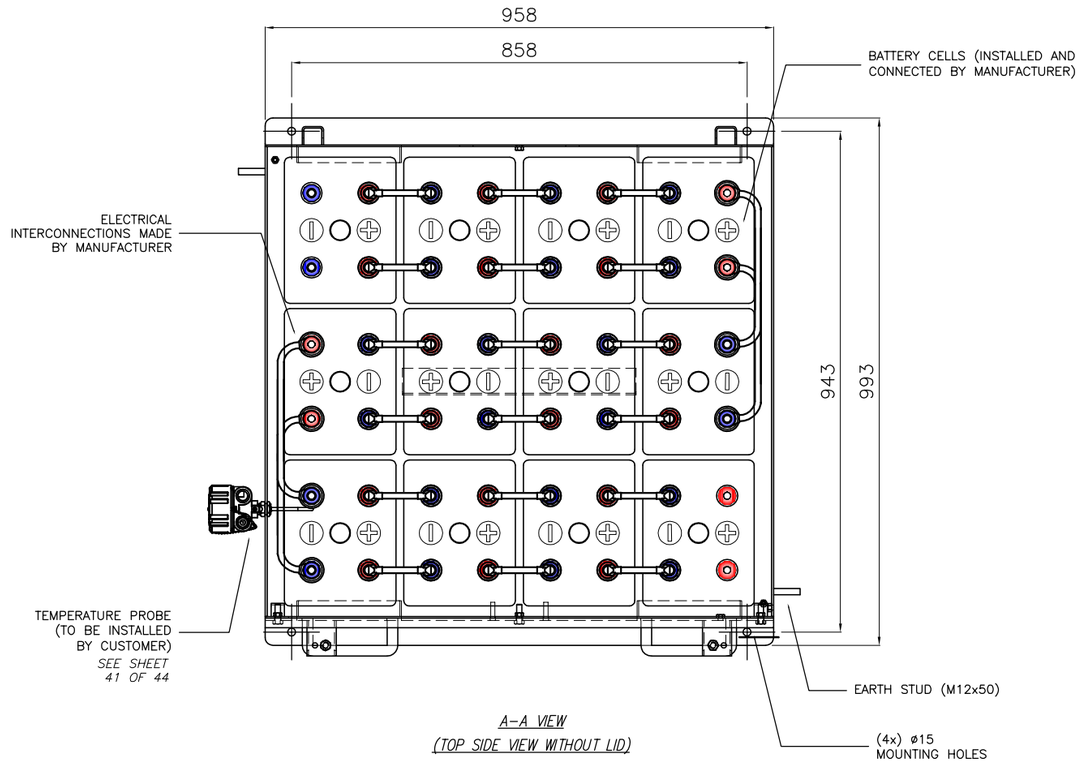
File Name : 1724000775–EL–DA–00003 REV.4.DWG



RIGHT SIDE VIEW WITH LID OPEN



BATTERY CELLS INTERCONNECTION DIAGRAM



A–A VIEW
(TOP SIDE VIEW WITHOUT LID)

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)
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00	17/06/24	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–864–3

sice

CROSSWIND | ROSETTI MARINO

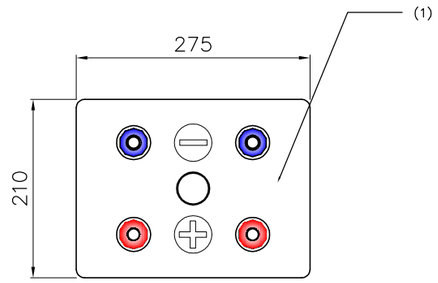
TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS BATTERY BANK (BA–200F2)
CELLS ARRANGEMENT & INTERCONNECTIONS

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

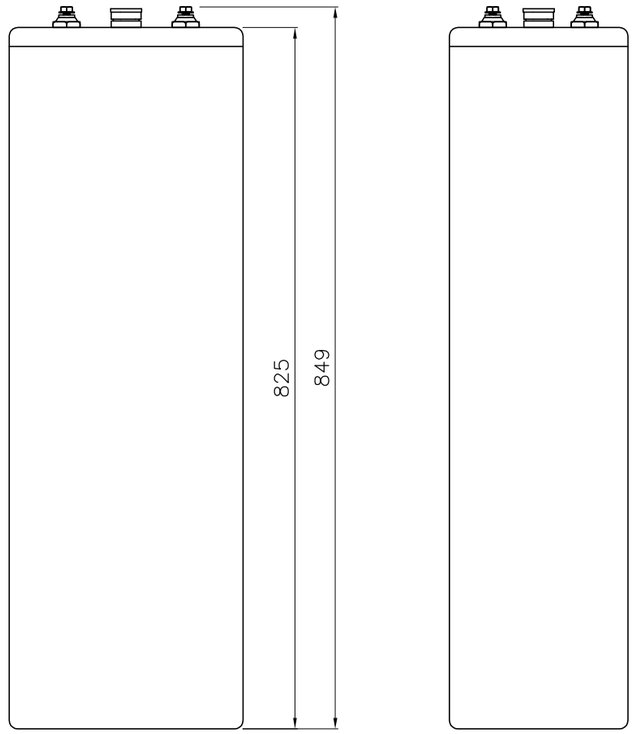
A3 | DRAWING NO. 1724000775–EL–DG–00003 | SHEET 043 | REV. 04

F.to UNI A3: 420mmx297mm

File Name : 1724000775–EL–DA–00003 REV.4.DWG



TOP SIDE VIEW



FRONT SIDE VIEW

LEFT SIDE VIEW

ADHESIVE NAMEPLATES
WITH BLACK LATTERING ON A WHITE BACKGROUND

(1) = 1 ... 12

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)
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01	03/07/24	A.B.	M.G.	R.M.	ISSUE FOR REVIEW (IFR)
00	17/06/24	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-864-3

sice

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
NAVAIDS BATTERY BANK (BA-200F2)
BATTERY CELL - DIMENSIONAL DRAWING

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

A3 | DRAWING NO. 1724000775-EL-DG-00003 | SHEET 044 | REV. 04

File Name : 1724000775-EL-DA-00003 REV.4.DWG

F.to UNI A3: 420mmx297mm