BASE LOAD POWER HUB (BLPH)
NET. AND SERV. CABINET IN OER
GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	18.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	22.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)

COVER PAGE

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

SCALE : 1

A3

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SHEET 001

REV. 2

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
001	X	X	X							BASE LOAD POWER HUB (BLPH) COVER PAGE
002	X	X	X							BASE LOAD POWER HUB (BLPH) INDEX
003	X	X	X							BASE LOAD POWER HUB (BLPH) DATA SHEET
004	X	X								BASE LOAD POWER HUB (BLPH) INTERNAL WIRING INFORMATION
005	X	X								BASE LOAD POWER HUB (BLPH) TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS
006	X	X	X							BASE LOAD POWER HUB (BLPH) SERVER OER - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW
007	X	X	X							BASE LOAD POWER HUB (BLPH) SERVER OER - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW
008	X	X	X							BASE LOAD POWER HUB (BLPH) SERVER OER - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW WHITOUT PANEL
009	X	X	X							BASE LOAD POWER HUB (BLPH) SERVER OER - EXTERNAL REAR VIEW
010	X	X	X							BASE LOAD POWER HUB (BLPH) SERVER OER- BASEPLATE DETAILS
011	X	X	X							BASE LOAD POWER HUB (BLPH) SERVER OER - EXTERNAL & INTERNAL TOP VIEW
012	X	X	X							BASE LOAD POWER HUB (BLPH) SERVER OER - EXTERNAL TOP VIEW DOOR OPEN
013	X	X	X							BASE LOAD POWER HUB (BLPH) SERVER OER - LIFTING DETAILS
014	X		X							BASE LOAD POWER HUB (BLPH) SERVER OER - FRONT SIDE INTERNAL VIEWS
015	X		X							BASE LOAD POWER HUB (BLPH) SERVER OER- FRONT SIDE INTERNAL VIEWS
016	X									BASE LOAD POWER HUB (BLPH) SERVER OER - SPARE PAGE
017	X									BASE LOAD POWER HUB (BLPH) BH AND MANUFACTURER LABEL DETAILS
018	X		X							BASE LOAD POWER HUB (BLPH) SERVER AND NETWORK SECTION IDENTIFIER NAMEPLATE DETAILS
019	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
020	X		X							BASE LOAD POWER HUB (BLPH) CERTIFICATION LABEL

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
021	X		X							BASE LOAD POWER HUB (BLPH) SERVER OER MAIN COMPONENT LIST
022	X		X							BASE LOAD POWER HUB (BLPH) SERVER OER MAIN COMPONENT LIST
023	X		X							BASE LOAD POWER HUB (BLPH) SERVER OER MAIN COMPONENT LIST

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE

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GE Oil & Gas

TITLE: BASE LOAD POWER HUB (BLPH)
INDEX

DOCUMENT CODE: 1724000594-IN-DA-00012 2

REVISION: 2

REVISION DESCRIPTION
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LANGUAGE

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A - GENERAL DATA

A1	TYPE	☐ MANUFACTURER STANDARD	■ AUGER	
A2	REFERENCE CODE	■ IEC	☐ IEC NORTH AMERICA SUITABLE (THIRD PARTY CERTIFIED)	
A3	CONTRACTUAL LANGUAGE	■ ENGLISH	☐	
A4	INSTALLATION	SAFE AREA, AIR CONDITIONING CONTROL ROOM/CAB HEAVY INDUSTRY ENVIRONMENT		
A5	OPERATING TEMPERATURE	+5°C TO +45 °C		
A6	OPERATING HUMIDITY	10 TO 93 % RH NOT CONDENSING		
A7	MARSHALLING TERMINAL STRIP	■ WITH	☐ WITHOUT	
A8	TERMINAL STRIP	☐ MIRROR OF JUNCTION BOX	■ NOT MIRROR OF JUNCTION BOX	
A9	SPARE TERMINALS	☐ NO	■ YES, NOT WIRED	☐ YES, JUMPERED TO I.E. OR I.S. BAR
A10	CABLES & CABLE TRAYS	☐ PVC	■ HALOGEN FREE AND LOW SMOKE <1>	
A11	INTRINSICALLY SAFE BARRIERS/ISOLATORS	■ NO	☐ YES	
A12	SURGE ARRESTORS	■ NO	☐ YES, ONLY FOR POWER SUPPLY LINE IN	
A13	POLLUTION DEGREE	■ 2 AS PER IEC60664-1		
A14	STORAGE TEMPERATURE	-20°C TO 50°C UP TO 80% HUMIDITY		
A15	MATERIAL	■ CARBON STEEL	☐ STAINLESS STEEL AISI 304	☐ STAINLESS STEEL AISI 316

B-MECHANICAL DATA

B1	OVERALL DIMENSION	800 mm x 1200mm x 2100mm (L x D x H) 800 mm x 1200mm x 2100mm (L x D x H) (NOTE B1)		
B2	PROTECTION DEGREE	■ IP 20	☐ IP 55	
B3	STEEL THICKNESS	■ STRUCTURE: 1.5 mm	■ DOORS: 2 mm	
B4	CABLE ENTRY	☐ TOP	■ BOTTOM	
B5	CABLE ENTRY FIXING	■ REMOVABLE PLATES	☐ CLAMPS	☐ CABLE GLAND
B6	ACCESSIBILITY	☐ FRONT ONLY	■ FRONT / REAR	
B7	LIFTING SYSTEM	■ EYE BOLTS	☐ LIFTING BAR "L" TYPE	
B8	BASE PLINTH	■ SEPARATE PIECES		
B9	DOOR LOCKS	■ KEY LOCKED WITH UNIQUE KEY PER UCP		
B10	APPROXIMATIVE WEIGHT	400 Kg for each panel		

NOTE B1 : ALLOWED TOLERANCE FOR PANEL HEIGHT/DEPTH: +/-5mm;
ALLOWED TOLERANCE FOR PANEL STRUCTURES AND SUPPORTS: +/-2mm;
ALLOWED TOLERANCE FOR TOTAL PANEL LENGTH : +/-2% OF TOTAL PANEL LENGTH;
(IN ANY CASE, MAXIMUM LENGTH TOLERANCE ALLOWED FOR PANEL WITH 2 OR MORE COLUMNS IS +/-50mm)

<1> REMOVABLE BOTTOM PLATES SHALL BE PROVIDED

C - PAINTING

C1	REFERENCE SPECIFICATIONS		■ AUGER STANDARD	☐ JOB SPECIFIC	☐ MFR STANDARD
C2	EXTERIOR	TYPE	☐ SMOOTH	■ PEEL TYPE	
		COLOUR	■ RAL 7035	☐ RAL 7032	☐ RAL 7030
C3	BASE PLINTH		■ AS EXTERIOR		
C4	INTERIOR		■ GALVANISED (ALUZINC)		
C5	INTERNAL MOUNTING PLATES		■ GALVANISED (ALUZINC)		

D - ELECTRICAL DATA

.	SUPPLY LINE	UPS LINE 1	UPS LINE 2	NON-UPS LINE 3
D1	SUPPLY VOLTAGE	230Vac	230Vac	230Vac
D2	FREQUENCY	50Hz	50Hz	50Hz
D3	LOAD	1kW <2>	1kW <2>	0,6kW <2>
D4	INTERNAL LIGHTING WITH DOOR LIMIT SWITCH OPERATION	■ FLUORESCENT (230Vac - 50Hz)		
D5	ANTI CONDENSING HEATER WITH TEMPERATURE THERMOSTAT	■ YES		
D6	VENTILATION FAN WITH FLOW SWITCH AND TEMPERATURE THERMOSTAT	■ YES		
D7	SERVICE SOCKET	■ YES		

E - NAMEPLATES

.	.	EXTERNAL PANEL	INTERNAL PANEL
E1	MATERIAL	■ TRAFFOLYTE	■ TAPE
E2	BACKGROUND COLOUR	■ WHITE	■ WHITE
E3	TEXT COLOUR	■ BLACK	■ BLACK
E4	FIXING	■ WITH SCREWS	■ SELF-ADHESIVE
E5	WARNING LABELS	■ SELF-ADHESIVE	■ SELF-ADHESIVE
E6	LANGUAGE	■ ENGLISH	■ ENGLISH

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) & WIRING DIAGRAM DATA SHEET

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

SHEET 003

REV. 2

A - PANEL CONTROL CABLES

CABLE FUNCTION	CONDUCTOR SIZE	CONDUCTOR COLORS	OUTER SHEATH COLOR NON Intrinsically Safe Circuit	OUTER SHEATH COLOR Intrinsically Safe Circuit
BIPOLAR ANALOG SIGNALS (NOTE A1)	(2x0.5) + Shield	BLACK (BK) - WHITE (WH)	GREY (GR)	BLUE (BL)
TRIPOLAR ANALOG SIGNALS (NOTE A1)	(3x0.5) + Shield	BLACK (BK) - WHITE (WH) RED (RD)	GREY (GR)	BLUE (BL)

NOTE A1 : FOR THE ABOVE MENTIONED ANALOG SIGNALS, PAIRS OR TRIADS SHIELDED SPIRAL CABLES SHALL BE USED, WITH THE EXCEPTION OF THOSE "SINK" INPUTS OR OUTPUTS OF THE CONTROLLER WHERE AN EXTERNAL FEED IS NEEDED. ONLY FOR THIS SPECIFIC CASE, SINGLE WIRE CABLE SHALL BE USED.

C-GROUNDING CONNECTIONS

EARTH TYPE	CONDUCTOR SIZE Cable size shall not exceed max allowable section as per device's manufacturer recommendation	WIRE COLOR	ID RING COLOR
P.E. (PROTECTIVE EARTH)	(1x2.5) - (1x6) - (1x16) - (1x25)	YELLOW/GREEN (YG)	-
I.E. (INSTRUMENT EARTH)	(1x2.5) - (1x6) - (1x16) - (1x25)	GREEN (GN)	-
I.S.E. (INTRINSICALLY SAFE EARTH)	(1x2.5) - (1x6) - (1x16) - (1x25)	WHITE (WH)	-

B -PANEL SINGLE-CORE CABLES

SINGLE-CORE CABLE FUNCTION	CONDUCTOR SIZE Cable size shall not exceed max allowable section as per device's manufacturer recommendation	WIRE COLOR NON Intrinsically Safe Circuit	WIRE COLOR Intrinsically Safe Circuit
AC LINE	(1x2.5) - (1x4) - (1x6)	BROWN (BR)	N/A
AC NEUTRAL	(1x2.5) - (1x4) - (1x6)	LIGHT BLUE (LB)	N/A
DC 24Vdc (POSITIVE)	(1x2.5) - (1x4) - (1x6)	RED (RD)	N/A
DC 24Vdc (NEGATIVE)	(1x2.5) - (1x4) - (1x6)	BLUE (BU)	N/A
DIGITAL SIGNALS (POSITIVE)	(1x0.5)	BLACK (BK)	N/A
DIGITAL SIGNALS (NEGATIVE)	(1x0.5)	WHITE (WH)	N/A
ANALOG SIGNALS (2 WIRE POSITIVE)	(1x0.5)	BLACK (BK)	N/A
ANALOG SIGNALS (2 WIRE NEGATIVE)	(1x0.5)	WHITE (WH)	N/A
ANALOG SIGNALS (3 WIRE POSITIVE)	(1x0.5)	BLACK (BK)	N/A
ANALOG SIGNALS (3 WIRE NEGATIVE)	(1x0.5)	RED (RD)	N/A
ANALOG SIGNALS (3 WIRE SIGNAL)	(1x0.5)	WHITE (WH)	N/A

GENERAL NOTE : MINIMUM SECTION 1.5 mm² FOR CPU PANEL INTERNAL LAMPS, LIMIT SWITCHES, FANS, THERMOSTATS, ISOLATORS POWER SUPPLY

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DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) & WIRING DIAGRAM
INTERNAL WIRING INFORMATION

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

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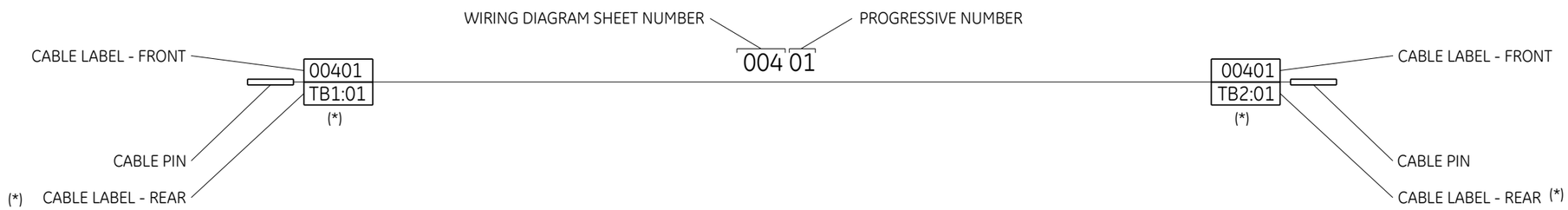
SHEET 004

REV. 2

COLOR ACRONYMS LIST :

RD - RED
BK - BLACK
BL - BLUE
LB - LIGHT BLUE
GR - GREY
GN - GREEN
YE - YELLOW
Y/G - YELLOW/GREEN
BR - BROWN
WH - WHITE

TYPICAL WIRE MARKING



EARTH CONNECTION RESUME TABLE:

		CABINET
	P.E. EARTH	
<1>	I.E. EARTH	
	I.S.E. EARTH	

EARTH ACRONYMS LEGEND :

P.E. (GND) - PROTECTION EARTH (GROUND, FRAME CHASSIS)
I.E. (F.E.) - INSTRUMENT EARTH (NOISELESS), FUNCTIONAL EARTH
I.S. (I.S.E.) - INTRINSICALLY SAFE EARTH

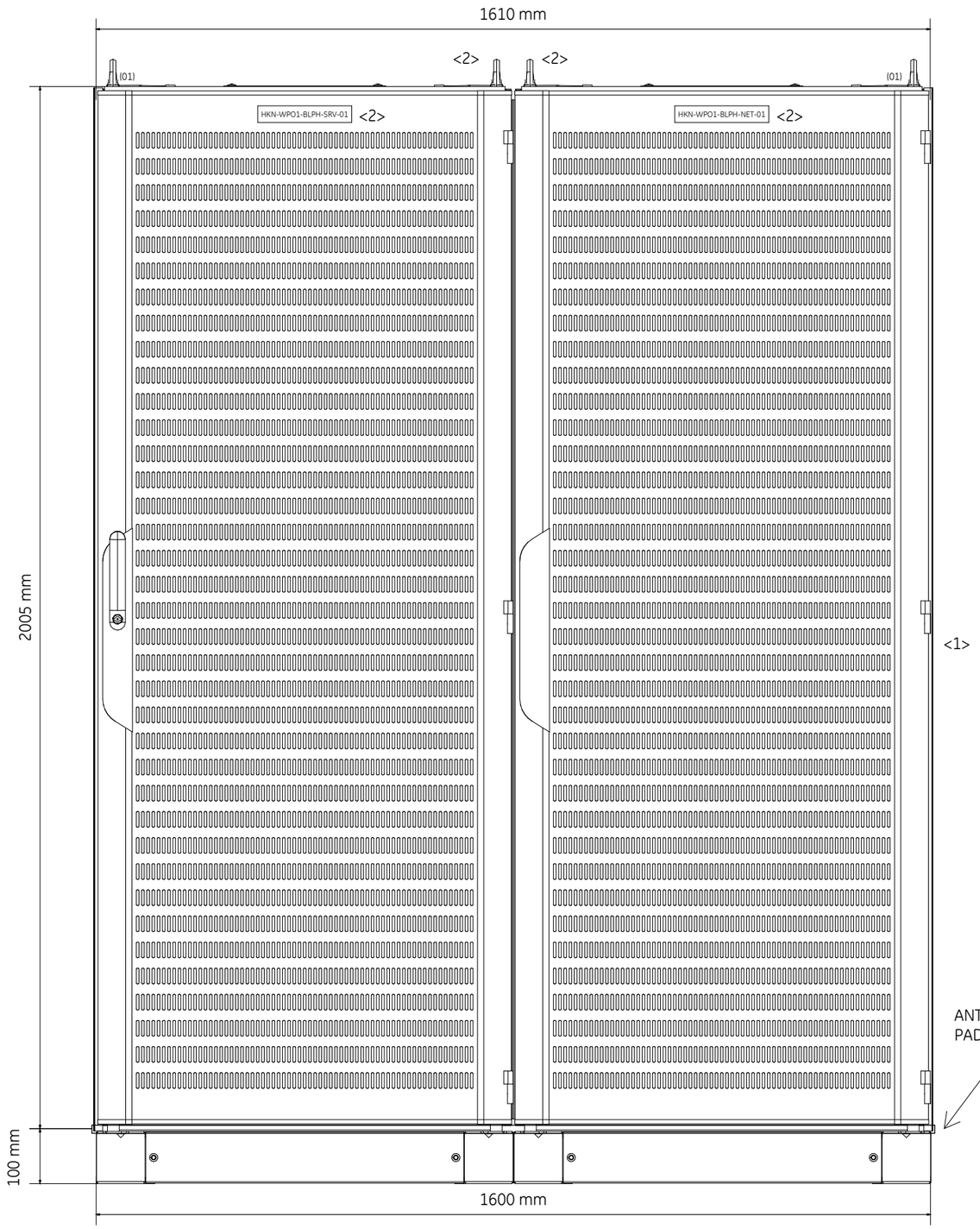
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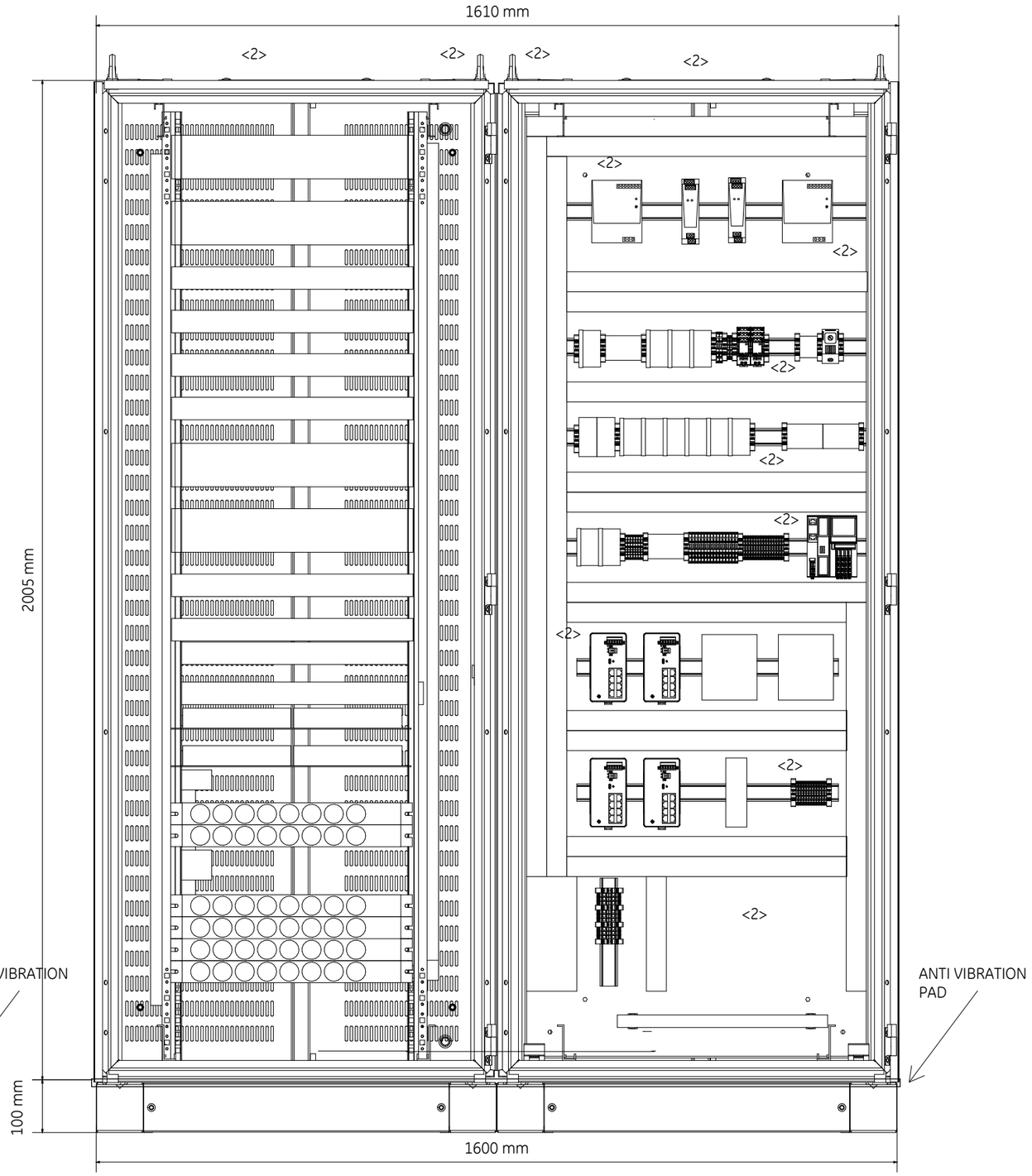
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PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO
CROSSWIND
ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK
SCALE : 1
A3
DRAWING NO. 1724000594-IN-DA-00012
SHEET 005
REV. 2

SERVER PANEL - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW





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REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	18.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) & WIRING DIAGRAM
SERVER OER - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW

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

SCALE : 1

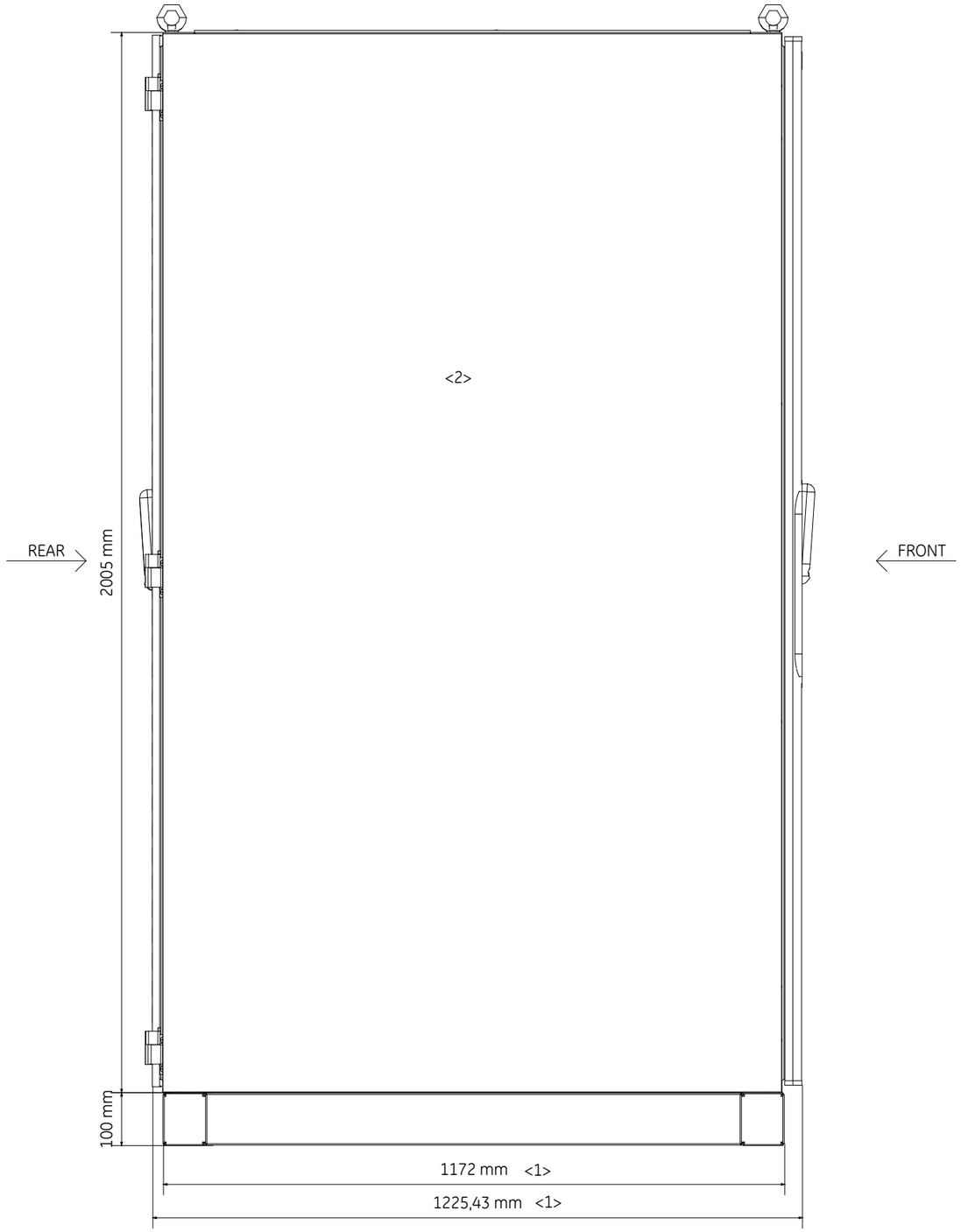
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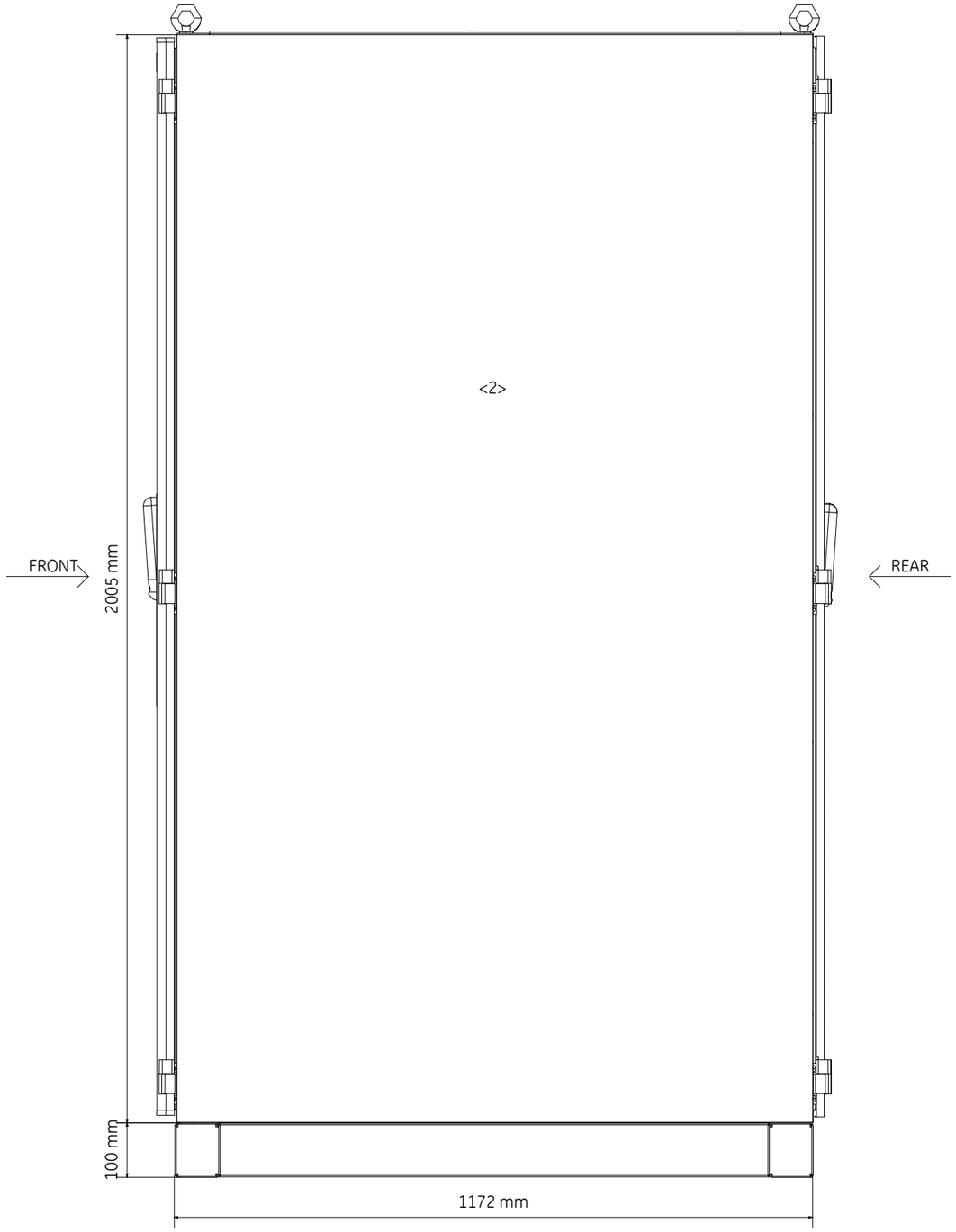
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SHEET 006

REV. 2

SERVER PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW





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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER OER - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW

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

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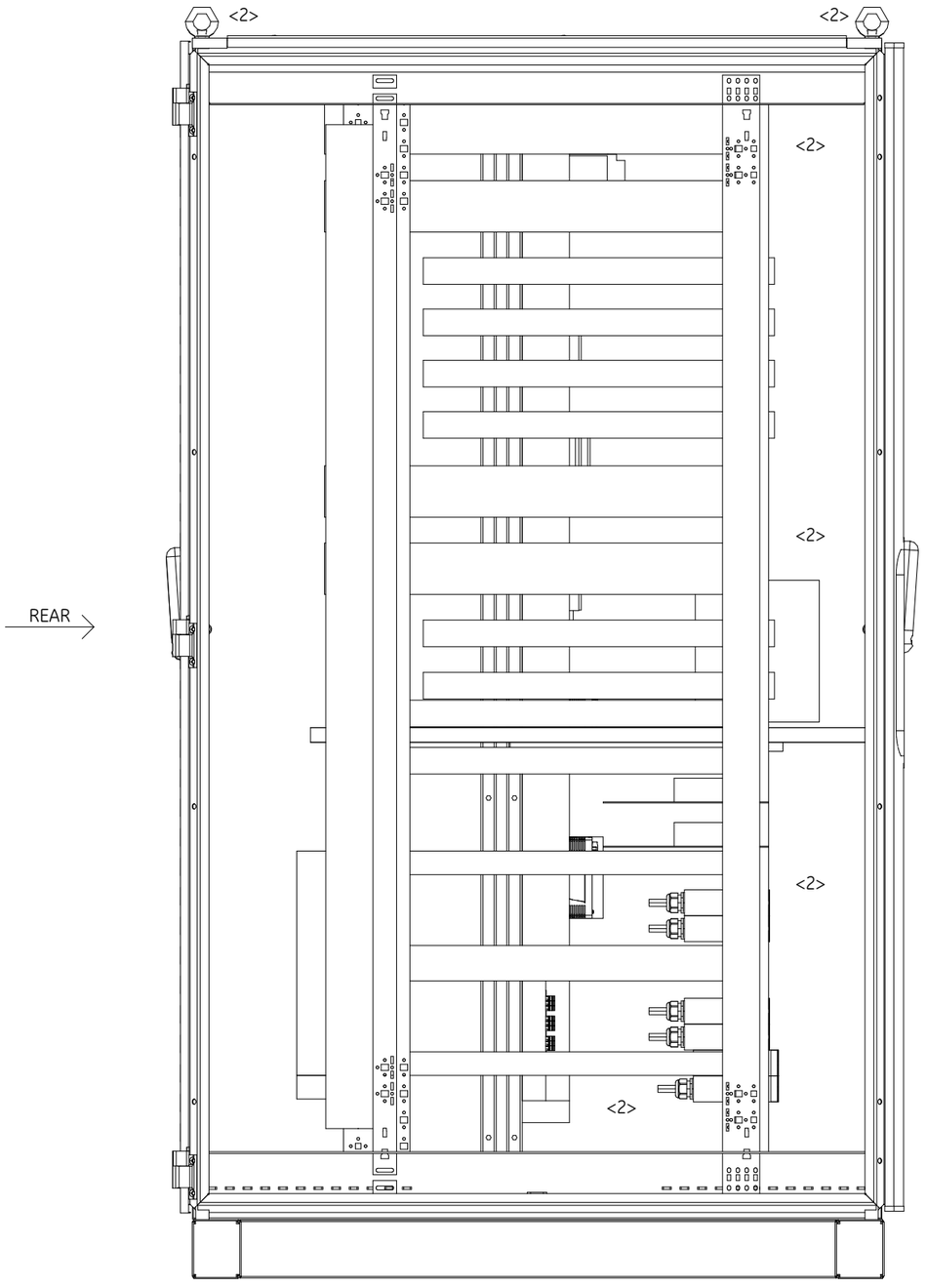
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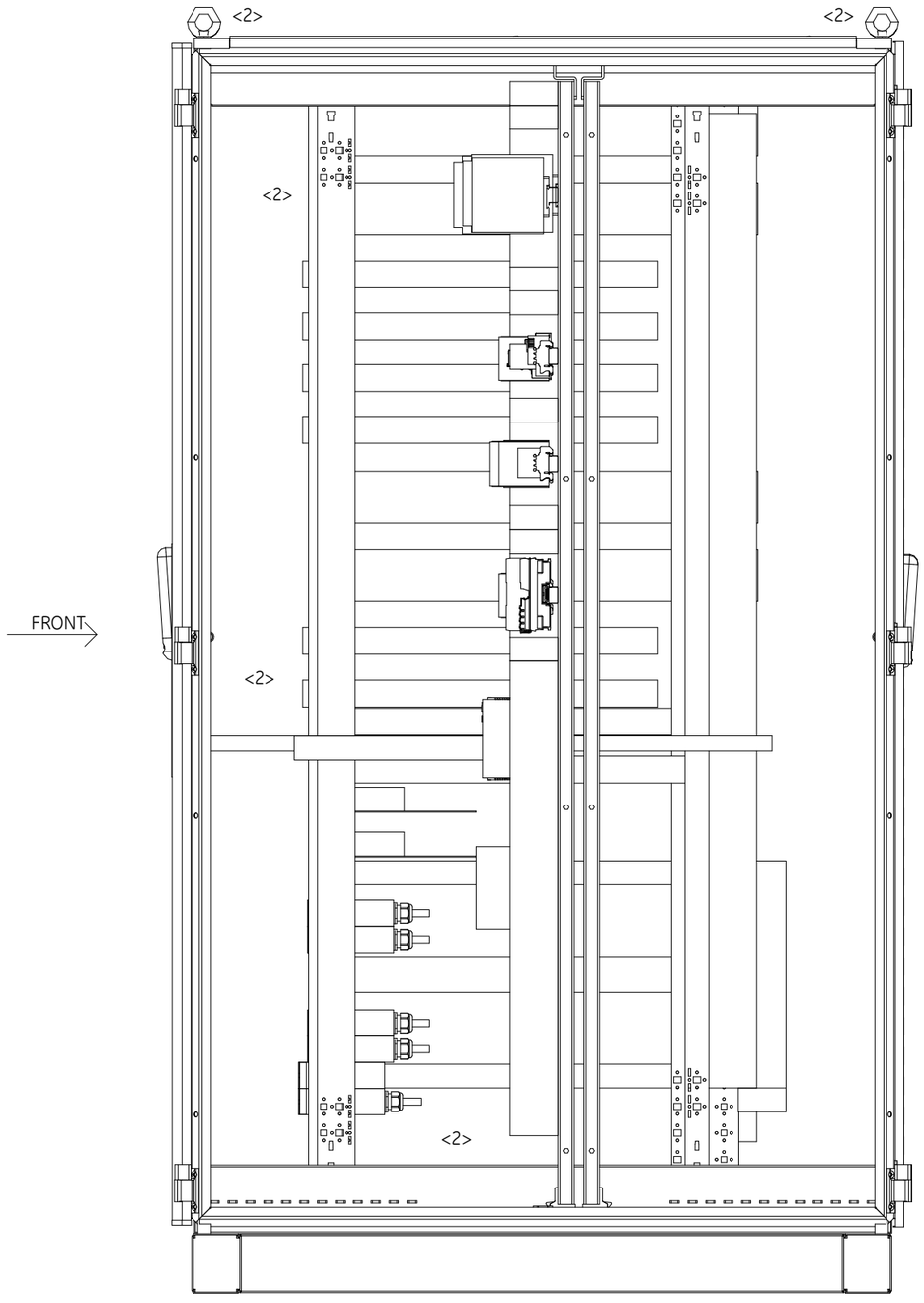
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SHEET 007

REV. 2

SERVER PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE WHITOUT PANEL





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& WIRING DIAGRAM
SERVER OER - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW WHITOUT PANEL

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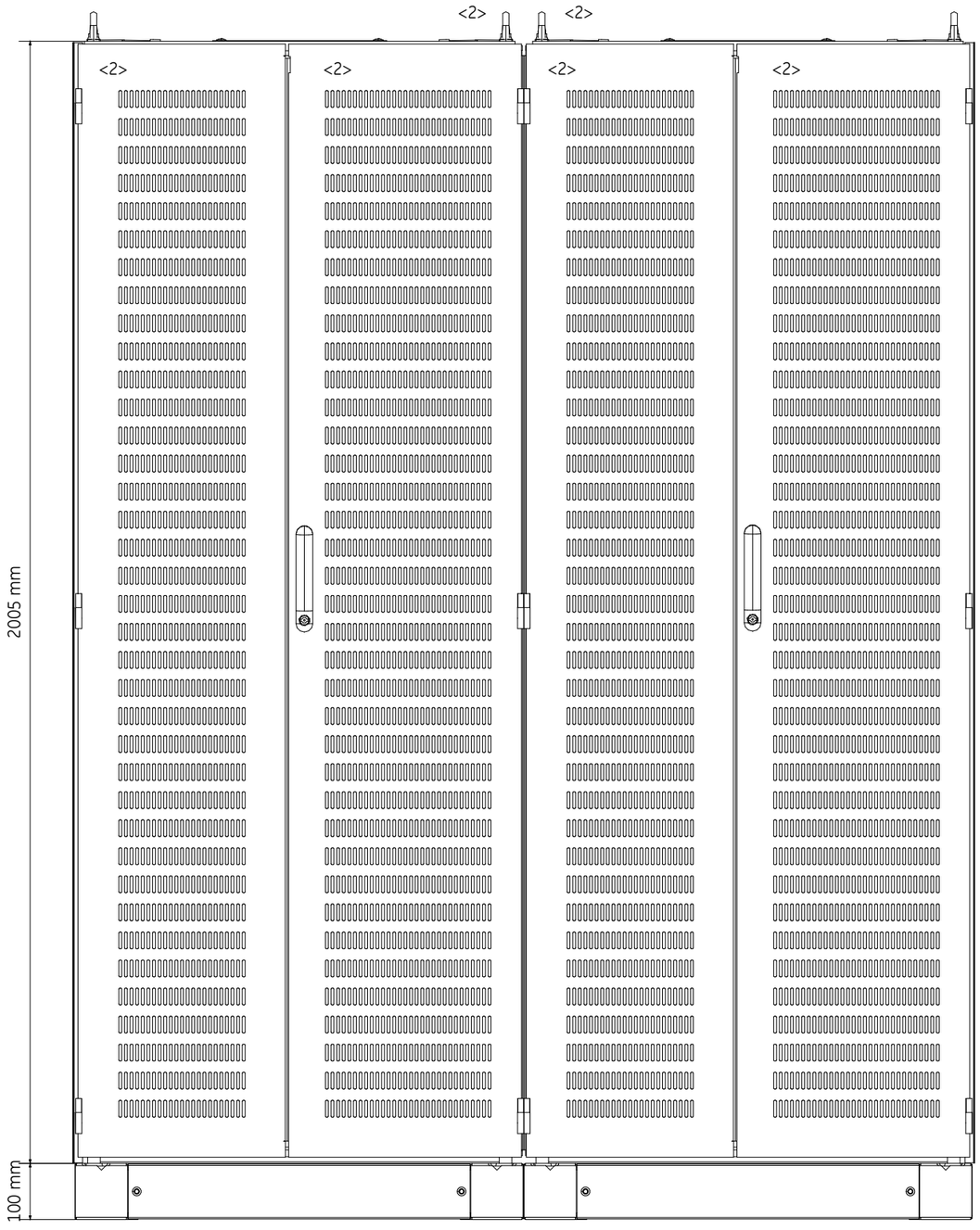
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REV. 2

SERVER PANEL - EXTERNAL REAR VIEW



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& WIRING DIAGRAM
SERVER OER - EXTERNAL REAR VIEW

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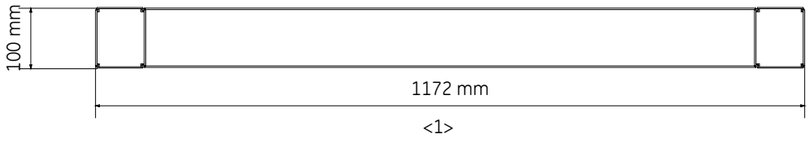
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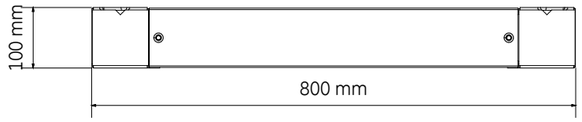
REV. 2

SERVER PANEL - BASEPLATE DETAILS

BASEPLATE SIDE VIEW

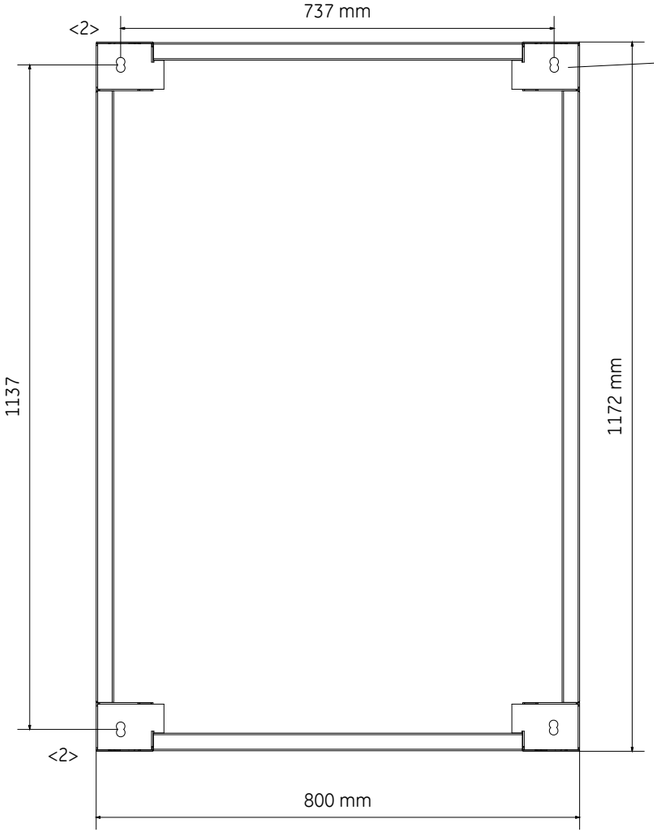


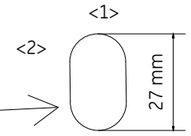
BASEPLATE FRONT VIEW



BASEPLATE BOTTOM VIEW

REAR SIDE





DETAIL OF FIXING HOLE:

Ø 16mm

NOTE:
TO BE CONSIDERED FOR EACH COLUMN

DRAWING SCALE 1:10

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& WIRING DIAGRAM
SERVER OER- BASEPLATE DETAILS

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A3

DRAWING NO. 1724000594-IN-DA-00012

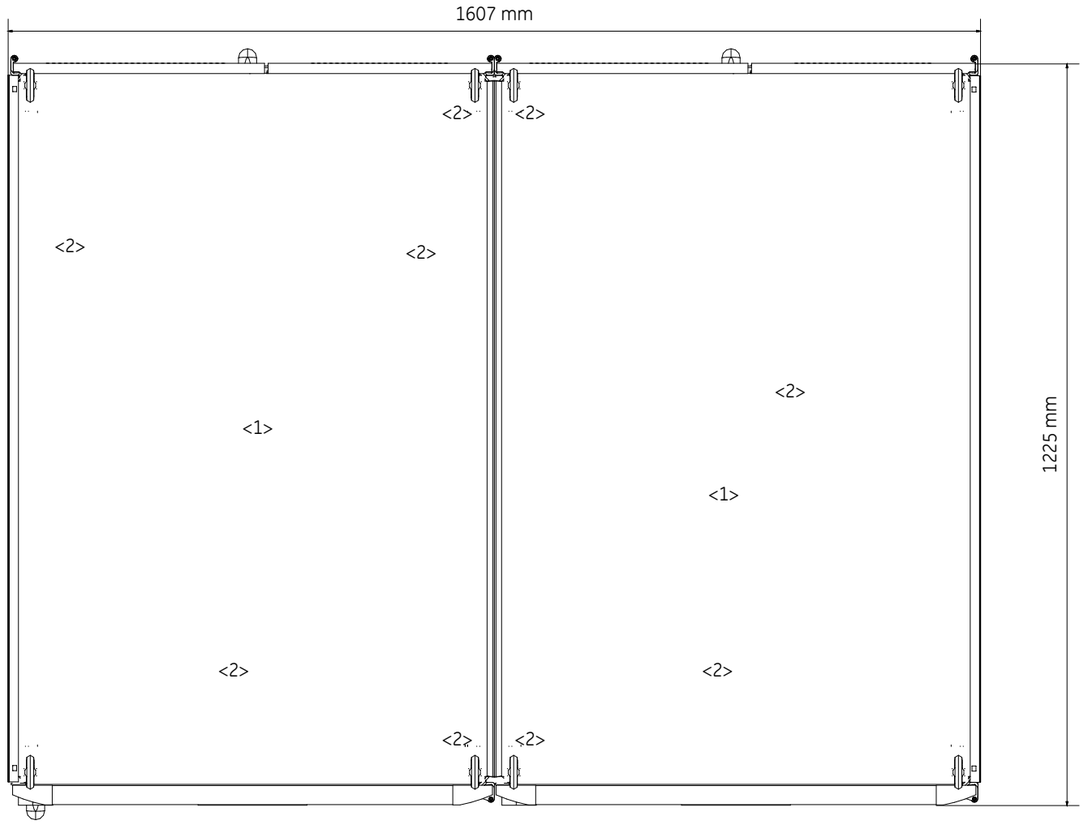
SHEET 010

REV. 2

SERVER PANEL - EXTERNAL & INTERNAL TOP VIEW

EXTERNAL TOP VIEW

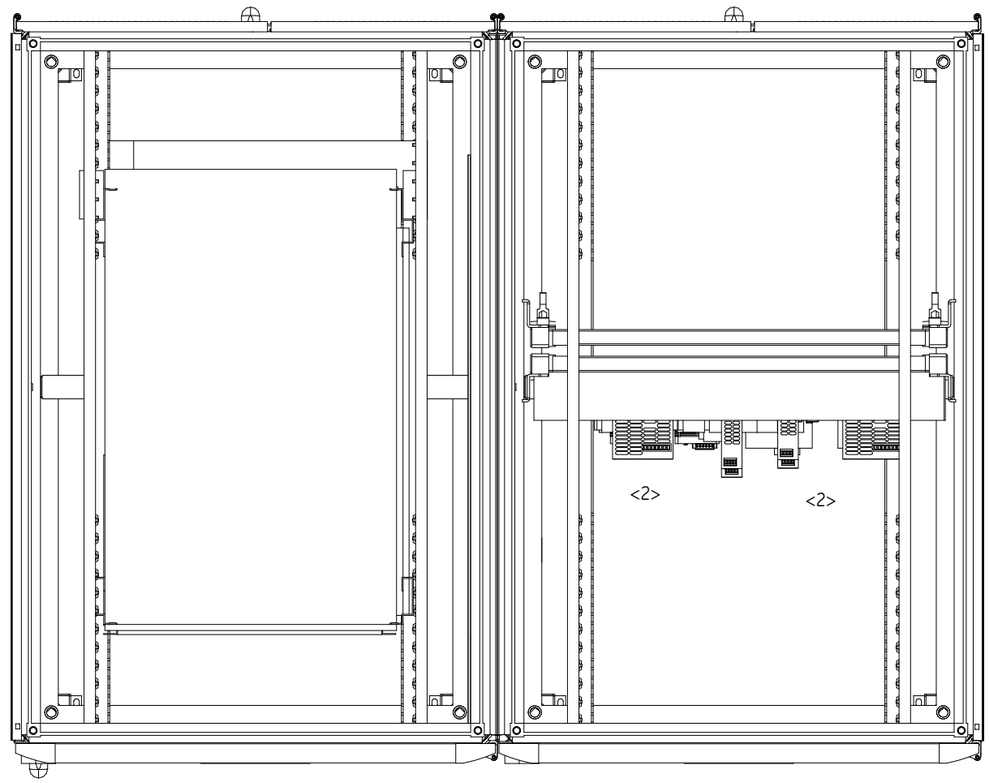
REAR



FRONT

INTERNAL TOP VIEW

REAR



FRONT

NOTE 1: DOOR LOCK AT 130°
NOTE 2: DOOR LOCK AT 110°

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	18.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	22.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER OER - EXTERNAL & INTERNAL TOP VIEW

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

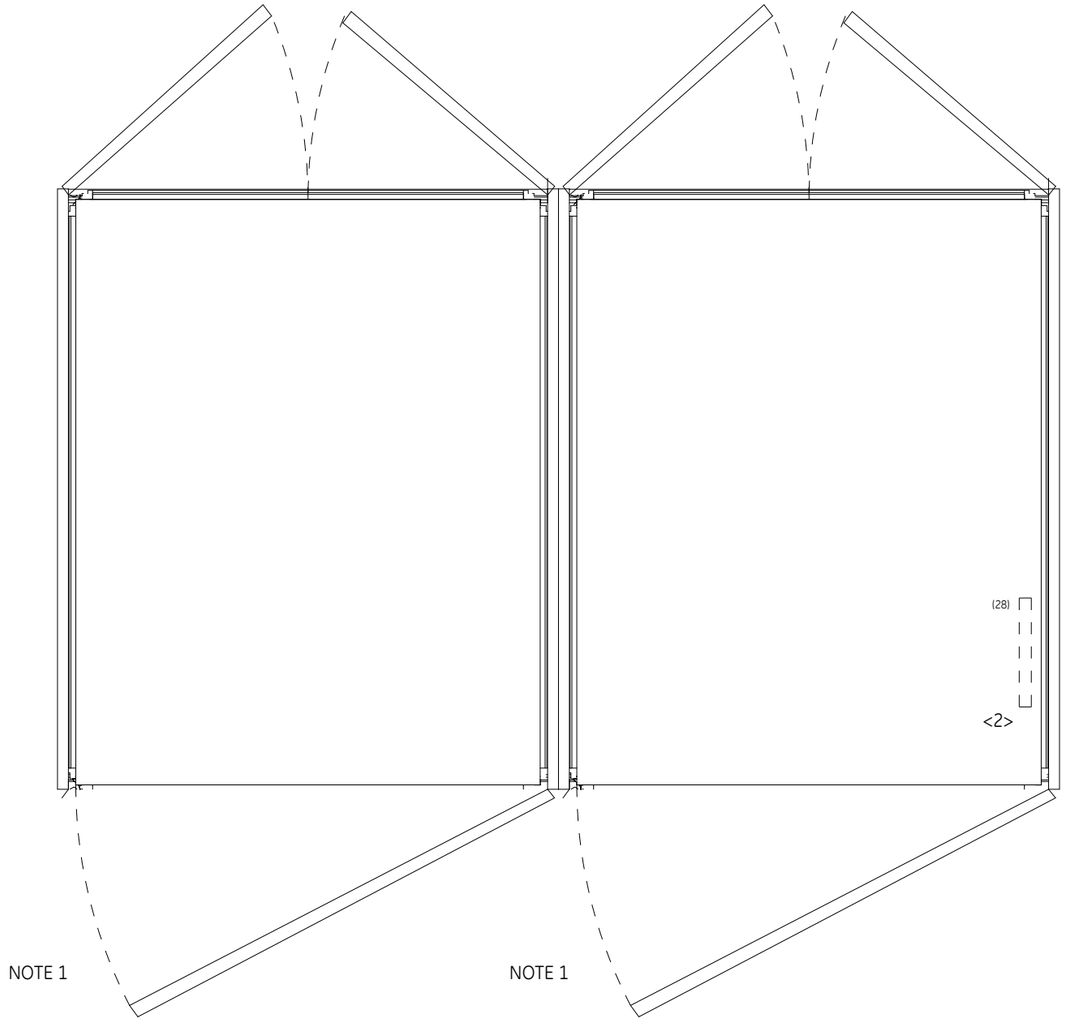
SHEET 011

REV. 2

SERVER PANEL - EXTERNAL TOP VIEW DOOR OPEN

EXTERNAL TOP VIEW
(DOOR OPEN)

REAR



FRONT

<1>

NOTES :
NOTE 1: DOORS LOCK AT 90°

NOTE:
TO BE CONSIDERED FOR EACH COLUMN

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	18.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER OER - EXTERNAL TOP VIEW DOOR OPEN

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

SCALE : 1

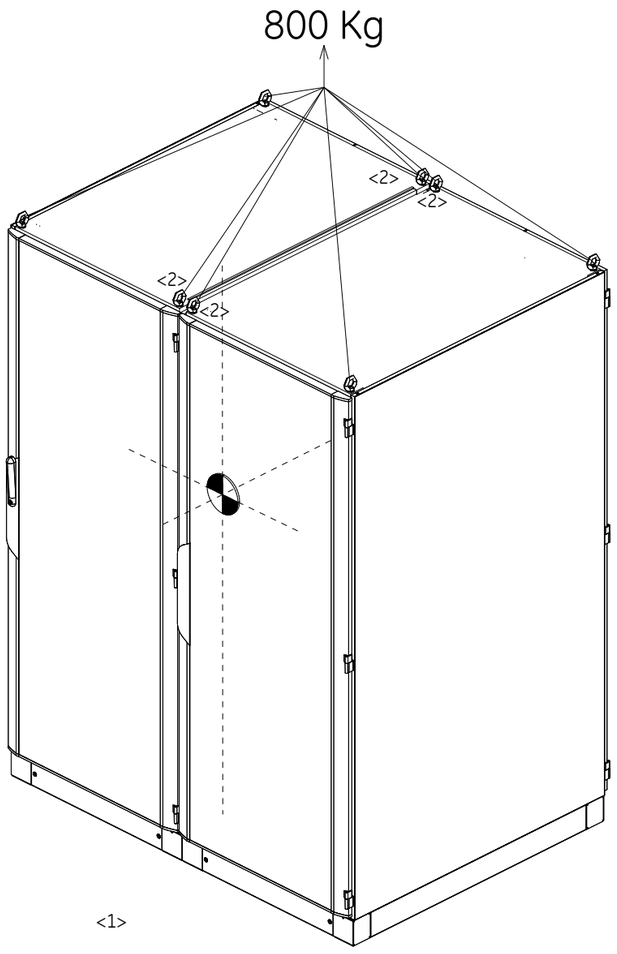
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DRAWING NO. 1724000594-IN-DA-00012

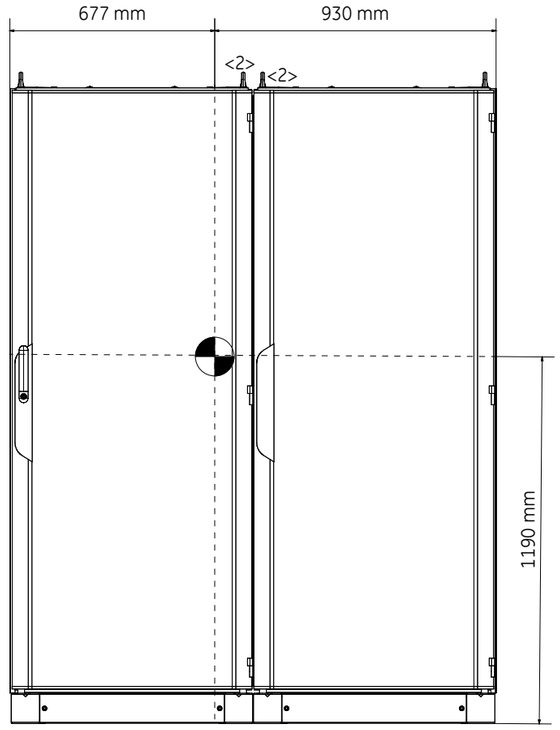
SHEET 012

REV. 2

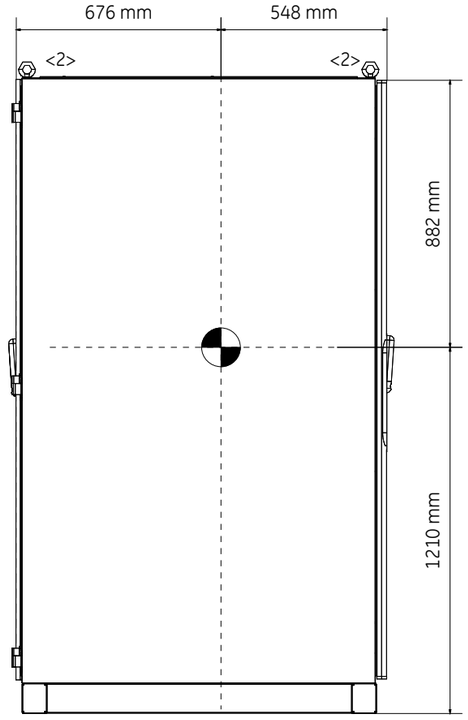
SERVER PANEL - LIFTING DETAILS



<1>



<1>



<1>

= CENTER OF GRAVITY

DRAWING SCALE 1:20
ALL QUOTES SHOWN ARE APPROXIMATE VALUE

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	18.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER OER - LIFTING DETAILS

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

SCALE : 1

A3

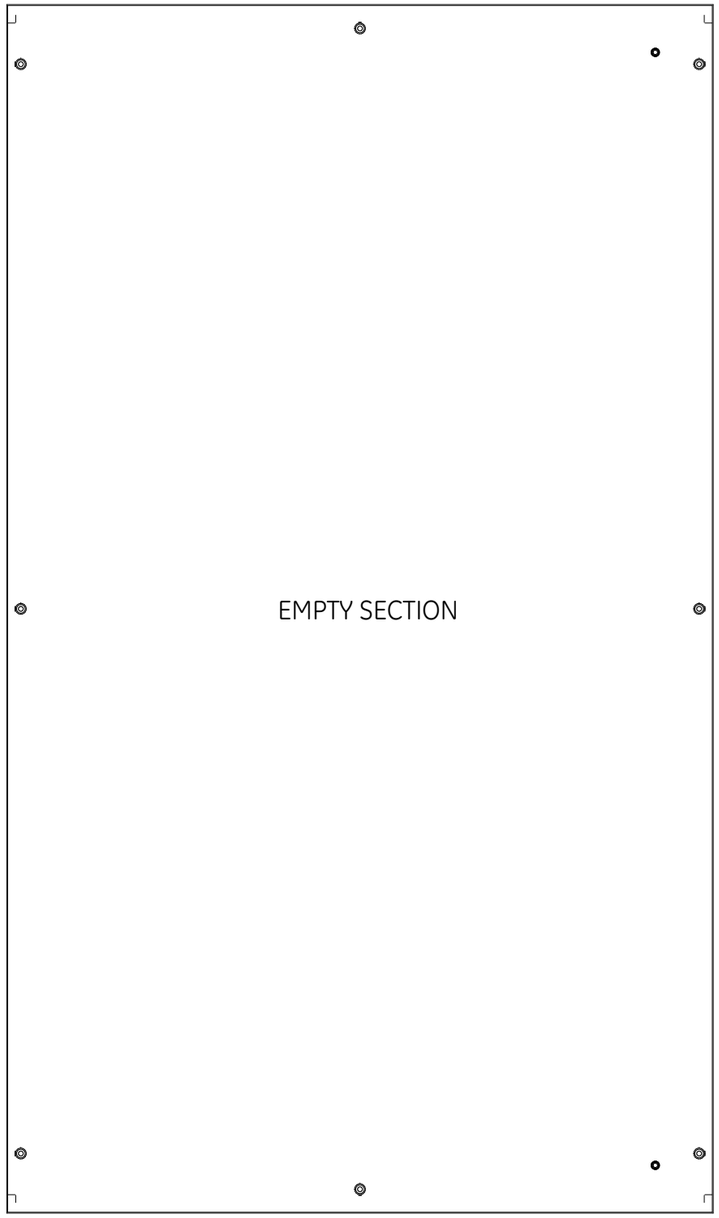
DRAWING NO. 1724000594-IN-DA-00012

SHEET 013

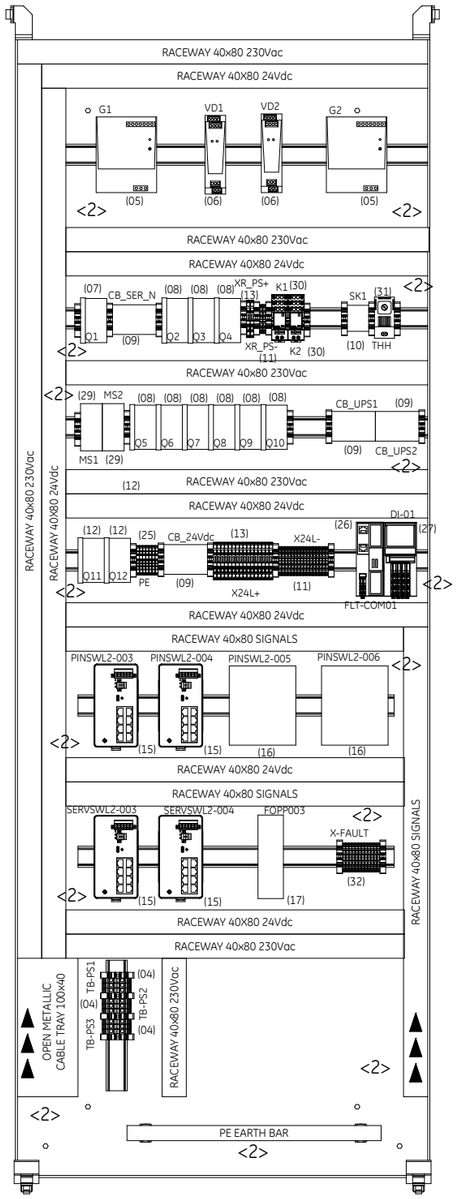
REV. 2

SERVER PANEL - FRONT SIDE INTERNAL VIEW

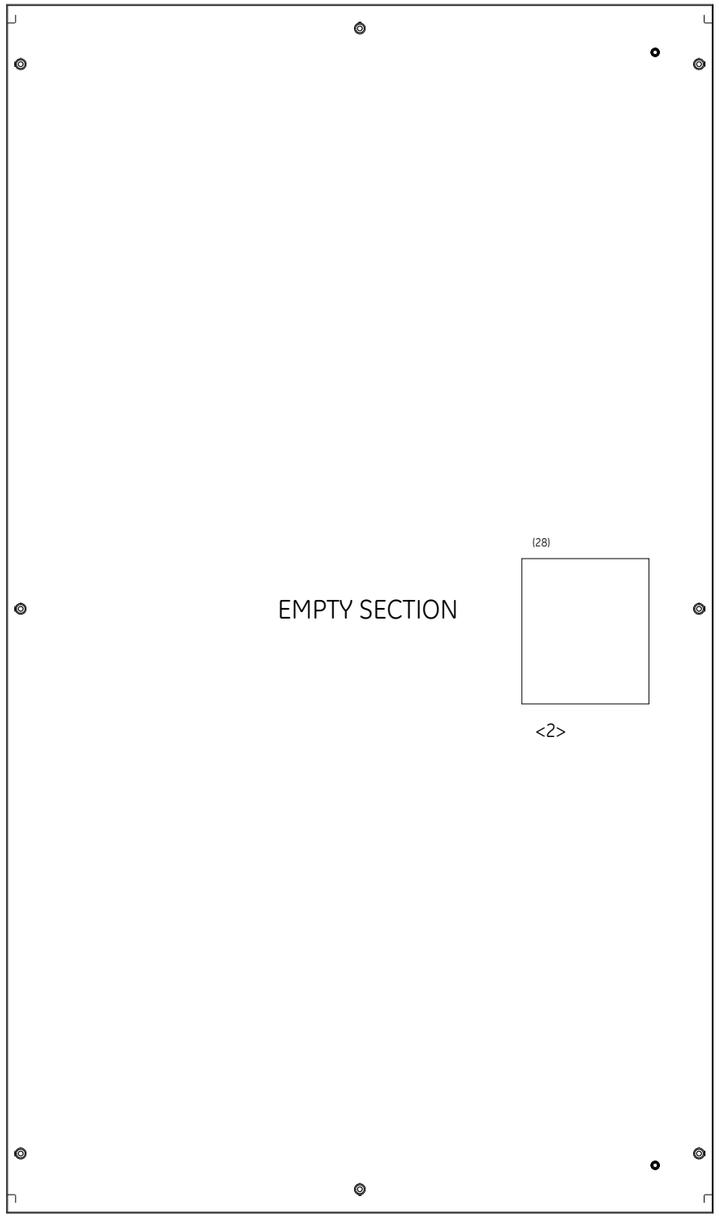
LEFT SIDE



FRONT PLATE



RIGHT SIDE



= CABLE ENTRY
DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	18.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER OER - FRONT SIDE INTERNAL VIEWS

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

SCALE : 1

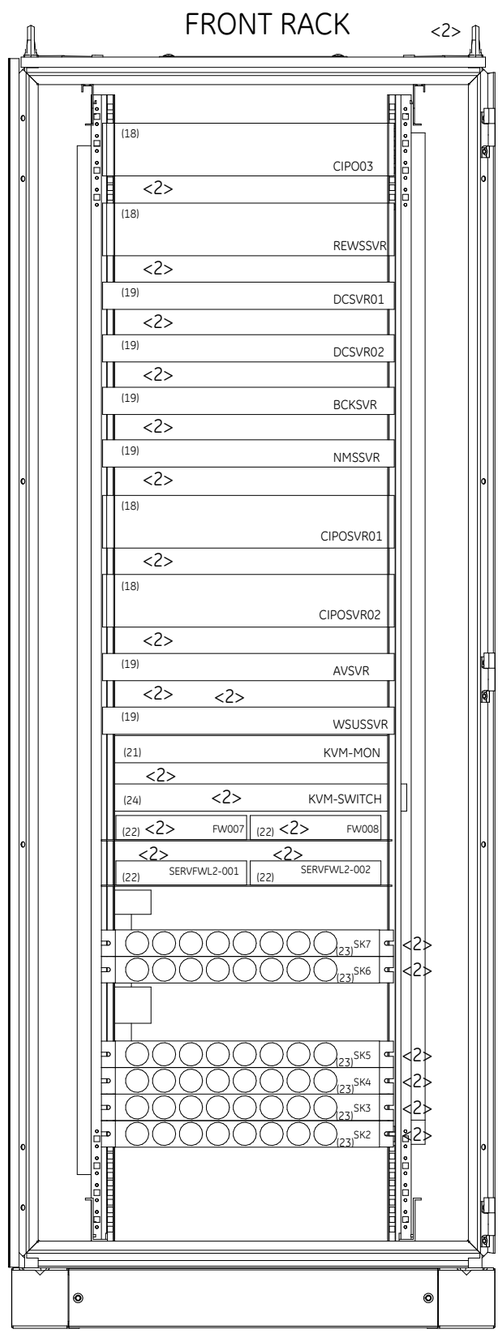
A3

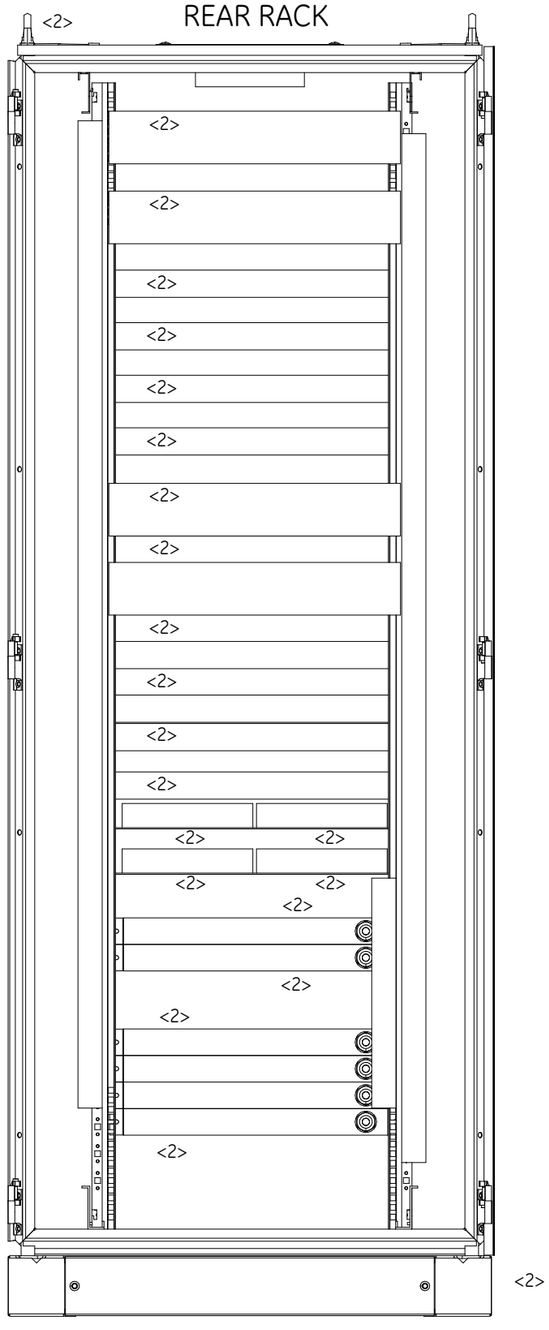
DRAWING NO. 1724000594-IN-DA-00012

SHEET 014

REV. 2

SERVER PANEL - FRONT SIDE SWING RACK INTERNAL VIEW




REAR RACK
<2>
<2>
<2>

SHEET LEFT INTENTIONALLY BLANK

2	18.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER OER - SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

SHEET 016

REV. 2

TYPICAL 01



TYPICAL 01

MANUFACTURER LABEL ITEM (02)

MATERIAL	:	ALUMINIUM
DIMENSION	:	150mm x 50mm (lxh)
BACKGROUND COLOUR	:	ALUMINIUM
TEXT COLOUR	:	BLACK & GREEN
FIXING	:	BY STAINLESS STEEL SCREWS

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND | ROSETTI MARINO

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TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
BH AND MANUFACTURER LABEL DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

SHEET 017

REV. 2

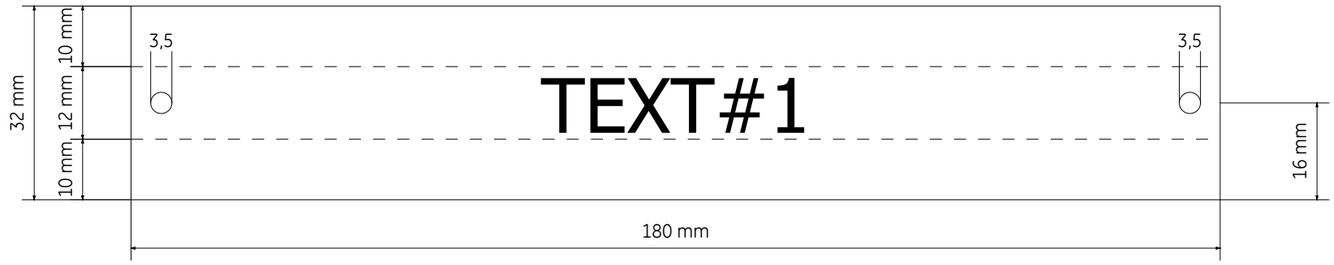
SERVER PANEL - SECTION IDENTIFIER NAMEPLATE DETAILS

TYPICAL 02

LABEL FOR SECTION IDENTIFIER ITEM (03)

MATERIAL	:	TRAFOLYTE
DIMENSION	:	200mm x 45mm (lxh)
BACKGROUND COLOUR	:	TRAFOLYTE
TEXT COLOUR	:	BLACK
TEXT HEIGHT	:	15 mm / 10 mm
TEXT FONT	:	ARIAL
FIXING	:	BY STAINLESS STEEL SCREWS

TYPICAL 02



	CABINET	TEXT#1
<2>	SERVER	HKN-WPO1-BLPH-SRV-01
<2>	NETWORK	HKN-WPO1-BLPH-NET-01

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

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TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER AND NETWORK SECTION IDENTIFIER NAMEPLATE DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

SHEET 018

REV. 2

SHEET LEFT INTENTIONALLY BLANK

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND | ROSETTI MARINO

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TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

SHEET 019

REV. 2

CERTIFICATION LABELS DETAILS

TYPICAL 05

LABEL FOR ITEM IDENTIFIER : ITEM (25)

MATERIAL	:	TRAFFOLYTE
DIMENSION	:	150mm x 150mm (lxh)
BACKGROUND COLOUR	:	WHITE
TEXT COLOUR	:	BLACK
TEXT HEIGHT	:	4 mm
TEXT FONT	:	ARIAL
FIXING	:	SS316L SCREWS OR RIVETS

<2>

PROGETTAZIONE E
REALIZZAZIONI
INDUSTRIALI

CE

22040 ALZATE BRIANZA (CO) ITALY Via Pascoli 150 Ph. +39031631875 website : www.prei.it

PREI JOB/SN: C\5529 CONSTRUCTION YEAR: 2024

CUSTOMER PURCHASE ORDER: 4511988955

CUSTOMER JOB N°: E366772C00

REFERENCE DRAWINGS : 1724000594-IN-DG-00012 - OUTLINE DRAWING

1724000594-IN-DA-00023 - SCHEMATIC DRAWING

Line 1: VOLTAGE 230 Vac / 50 Hz Line 1: CURRENT 4,2A

Line 1: SHORT CIRCUIT CURRENT RATING: 10kA

Line 2: VOLTAGE 230 Vac / 50 Hz Line 2: CURRENT 4,2A

Line 2: SHORT CIRCUIT CURRENT RATING: 10kA

Line 3: VOLTAGE 230 Vac / 50 Hz Line 3: CURRENT 2,6A

Line 3: SHORT CIRCUIT CURRENT RATING: 10kA

PANEL PROTECTION DEGREE IP43

PANEL OPERATING TEMPERATURE RANGE: 5-45°C

DRAWING SCALE 1:1
ALL QUOTES SHOWN ARE IN MILLIMETERS

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND | ROSETTI MARINO

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TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
CERTIFICATION LABEL

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

SHEET 020

REV. 2

SERVER PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
01	REMOVABLE LIFTING LUGS -	MANUFACTURER STANDARD	NA001_01	4	MECHANICAL PART NAMEPLATE NOT REQUIRED
02	CABINET MANUFACTURER LABEL -	MANUFACTURER STANDARD	NA001_02	2	DETAILS ON SHEET 027 TYPICAL 02
03	SECTION IDENTIFICATION LABEL -	MANUFACTURER STANDARD	NA001_03	2	DETAILS ON SHEET 028 TYPICAL 03
04	FEED-THROUGH TYPE TERMINAL SCREW TYPE - GREY COLOUR - SECTION 6mm²	PHOENIX CONTACT UT 6	NA001_04	9	TB-PS1 ÷ TB-PS3 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
05	POWER SUPPLY FEEDER MODULE INPUT 230Vac (AUTO-RANGING) - OUTPUT 24Vdc-20a	<2> WEIDMULLER PRO ECO 480W 24V 20A WDM.1469510000	NA001_05	2	G1 ÷ G2 (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
06	DECOUPLING & PROTECTIVE DIODE FOR REDUNDANCY - 24Vdc -	WEIDMULLER PRO DM 20 WDM.2486080000	NA001_06	2	VD1 - VD2 (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
07	PURE Id CIRCUIT BREAKER WITH AUXILIARY CONTACT 2 POLES - 240Vac - 50Hz - 25A - Id: 30mA	EATON FAZ SERIES	NA001_07	1	Q1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
08	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAKER - 115Vac / 240Vac <2> WITH AUXILIARY CONTACT <2>	EATON FAZ SERIES	NA001_08	9 <2>	<2> Q2 ÷ Q10 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
09	2 POLES COMMON BOX - 7 CONNECTION EACH POLE -	CABUR QBLOCK2P100A7	NA001_09	4 <2>	CB_UPS1 - CB_UPS2 - CB_SER - CB_24Vdc (INTERNAL LABEL) <2> EXTERNAL LABEL NOT REQUIRED
10	SERVICE SOCKET INCLUDING SOCKET DIN MOUNTING KIT	MANUFACTURER STANDARD	NA001_10	1	SK1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
11	DISTRIBUTION TERMINALS - SCREW TYPE - SECTION 2.5mm² FEED THROUGH TYPE - GREY COLOUR	PHOENIX CONTACT UT 2.5 PXC.3044076	NA001_11	16 <2>	<2> XR_PS- / X24L- (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
<2> 12	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAKER - 24Vdc WITH AUXILIARY CONTACT	EATON FAZ SERIES	NA001_12	2	Q11 ÷ Q12 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
13	TERMINALS - SCREW TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	PHOENIX CONTACT UT 4 HESI PXC.3046032	NA001_13	16 <2>	<2> XR_PS+ - X-24L+(INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
14	INTERPOSING RELAY FOR HEATER CUT-OUT COIL - 240Vac - 50Hz - 2 CONTACTS	PHOENIX CONTACT PLC-RCS-230UC/21-21 PXC.2967099	NA001_14	1	KTHG (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) & WIRING DIAGRAM
SERVER OER MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

SHEET 021

REV. 2

SERVER PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
15	MANAGED SWITCH 12 PORT 2XSFP <2> -	HIRSCHMANN BRS40-0012 <2>	NA001_15	4 <2>	PINSWL2-003 ÷ PINSWL2-004 - SERVSWL2-003 ÷ SERVSWL2-004 <2> EXTERNAL LABEL NOT REQUIRED
16	MANAGED SWITCH 24 PORT 2XSFP -	HIRSCHMANN BRS40-0024 <2>	NA001_16	2 <2>	<2> PINSWL2-005 ÷ PINSWL2-006 EXTERNAL LABEL NOT REQUIRED
17	PATCH PANEL MODULE -	BELDEN MIPP/AD/1L3P	NA001_17	1	<2> FOPP003 EXTERNAL LABEL NOT REQUIRED
18	SERVER -	<2> DELL GP4SY	NA001_18	4 <2>	CIPO03 - REWSSVR - CIPOSVR01 - CIPOSVR02 (INTERNAL LABEL) <2> EXTERNAL LABEL NOT REQUIRED
19	SERVER -	<2> YOKOGAWA Dell PowerEdge R340	NA001_19	6 <2>	<2> DCSSVR01 - DCSSVR02 - BCKSVR - NMSSVR AVSSVR - WSUSSVR (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
20 <2>	- -	- -	-	-	- -
21	KVM MONITOR <2> -	DELL KMMLED185 <2>	NA001_21	1	KVM-MON (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
22	FORTIGATE FIREWALL 4X PORTS -	FORTINET FG-40 F <2>	NA001_22	4	<2> FW007 ÷ FW008 - SERVFWL2-001 ÷ SERVFWL2-002 EXTERNAL LABEL NOT REQUIRED
23	SERVICE SOCKET INCLUDING SOCKET DIN MOUNTING KIT	MANUFACTURER STANDARD	NA001_23	6 <2>	<2> SK2 ÷ SK7 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
24 <2>	KVM SWITCH -	DELL AV 2216	NA001_24	1	KVM-SWITCH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
25 <2>	PE TERMINALS -	PHOENIX CONTACT UT 2.5 PE PXC.3044092	NA001_25	7	PE (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
26 <2>	MODBUS/ETHERNET COMMUNICATION MODULE -	PHOENIX CONTACT AXL F BK ETH	NA001_26	1	FLT-COM01 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
27 <2>	DIGITAL INPUT MODULE -	PHOENIX CONTACT AXL F DI8/2 24DC 1	NA001_27	1	DI-01 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
28 <2>	DRAWING POCKET - GREY COLOUR -	MANUFACTURER STANDARD	NA001_28	1	EXTERNAL LABEL NOT REQUIRED -

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER OER MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

SHEET 022

REV. 2

SERVER PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
<2> 29	ROTATIVE SWITCH 32A 3P -	LOVATO G032A	NA001_29	2	MS1 - MS2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 30	RELAY FOR 230Vac POWER DISTRIBUTION -	FINDER 62.32.8.230.0000	NA001_30	2	K1 - K2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 31	THERMOSTAT FOR HIGH TEMPERATURE ALARM -	MANUFACTURER STANDARD	NA001_31	1	THH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 32	TERMINALS - SCREW TYPE - SECTION 2.5mm² KNIFE DISCONNECT TYPE - GREY COLOUR	PHOENIX CONTACT UT 2.5 MT PXC.3045362	NA001_32	12	X-FAULT (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
33	- -	-	NA001_33	-	- -
34	- -	-	NA001_34	-	- -
35	- -	-	NA001_35	-	- -
36	- -	-	NA001_36	-	- -
37	- -	-	NA001_37	-	- -
38	- -	-	NA001_38	-	- -
39	- -	-	NA001_39	-	- -
40	- -	-	NA001_40	-	- -
41	- -	-	NA001_41	-	- -
42	- -	-	NA001_42	-	- -

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	18.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	22.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-OER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER OER MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00012

SHEET 023

REV. 2