BASE LOAD POWER HUB (BLPH) NET. AND SERV. CABINET IN ITER

GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_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

DRAWING NO. 1724000594-IN-DA-00011

SHEET 001

REV. 3

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
001	X	X	X	X						BASE LOAD POWER HUB (BLPH) COVER PAGE
002	X	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 & NETWORK - EXTERNAL FRONT VIEW
007		X	X							BASE LOAD POWER HUB (BLPH) SERVER & NETWORK - EXTERNAL REAR VIEW
008		X	X	X						BASE LOAD POWER HUB (BLPH) SERVER & NETWORK - LEFT SIDE AND RIGHT SIDE VIEW
009		X	X	X						BASE LOAD POWER HUB (BLPH) SERVER & NETWORK - EXTERNAL & INTERNAL TOP VIEW
010		X	X	X						BASE LOAD POWER HUB (BLPH) SERVER & NETWORK - LIFTING DETAILS
011	X	X	X	X						BASE LOAD POWER HUB (BLPH) SERVER - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW
012	X		X	X						BASE LOAD POWER HUB (BLPH) SERVER - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW
013	X		X	X						BASE LOAD POWER HUB (BLPH) SERVER - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW WHITOUT PANEL
014	X	X	X							BASE LOAD POWER HUB (BLPH) SERVER - EXTERNAL REAR VIEW
015	X	X	X	X						BASE LOAD POWER HUB (BLPH) SERVER - BASEPLATE DETAILS
016	X	X	X	X						BASE LOAD POWER HUB (BLPH) SERVER - EXTERNAL & INTERNAL TOP VIEW
017	X		X	X						BASE LOAD POWER HUB (BLPH) SERVER - EXTERNAL TOP VIEW DOOR OPEN
018	X	X	X	X						BASE LOAD POWER HUB (BLPH) SERVER - FRONT SIDE INTERNAL VIEWS
019	X		X							BASE LOAD POWER HUB (BLPH) SERVER - SPARE PAGE
020	X	X	X	X						BASE LOAD POWER HUB (BLPH) NETWORK - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
021	X	X	X							BASE LOAD POWER HUB (BLPH) NETWORK - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW
022	X	X	X	X						BASE LOAD POWER HUB (BLPH) NETWORK - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW WHITOUT PANEL
023	X	X	X							BASE LOAD POWER HUB (BLPH) NETWORK - EXTERNAL REAR VIEW
024	X	X	X	X						BASE LOAD POWER HUB (BLPH) NETWORK - BASEPLATE DETAILS
025	X	X	X	X						BASE LOAD POWER HUB (BLPH) NETWORK - EXTERNAL & INTERNAL TOP VIEW
026	X	X	X	X						BASE LOAD POWER HUB (BLPH) NETWORK - FRONT DOOR CUT-OUT DETAILS
027	X	X	X	X						BASE LOAD POWER HUB (BLPH) NETWORK - FRONT SIDE INTERNAL VIEWS
028	X		X	X						BASE LOAD POWER HUB (BLPH) NETWORK - FRONT SIDE INTERNAL VIEWS
029	X		X							BASE LOAD POWER HUB (BLPH) NETWORK - SPARE PAGE
030	X		X							BASE LOAD POWER HUB (BLPH) BH AND MANUFACTURER LABEL DETAILS
031	X		X							BASE LOAD POWER HUB (BLPH) SERVER AND NETWORK SECTION IDENTIFIER NAMEPLATE DETAILS
032	X		X							BASE LOAD POWER HUB (BLPH) SPARE PAGE
033	X		X							BASE LOAD POWER HUB (BLPH) CERTIFICATION LABEL
034	X	X	X	X						BASE LOAD POWER HUB (BLPH) SERVER MAIN COMPONENT LIST
035	X		X	X						BASE LOAD POWER HUB (BLPH) SERVER MAIN COMPONENT LIST
036	X	X	X	X						BASE LOAD POWER HUB (BLPH) NETWORK MAIN COMPONENT LIST
037	X		X	X						BASE LOAD POWER HUB (BLPH) NETWORK MAIN COMPONENT LIST
038	X		X	X						BASE LOAD POWER HUB (BLPH) NETWORK MAIN COMPONENT LIST

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

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DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 002

REV. 3

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 <1>	■ 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 1000mm x 2100mm (L x D x H) 800 mm x 800 mm x 2100 mm (L x D x H)	(NOTE B1)		
B2	PROTECTION DEGREE	■ IP 43	☐ IP 55		
B3	STEEL THICKNESS	■ STRUCTURE: 1.5 mm	■ DOORS: 2 mm		
B4	CABLE ENTRY	■ TOP	☐ BOTTOM		
B5	CABLE ENTRY FIXING	☐ REMOVABLE PLATES	☐ CLAMPS	■ MCTs <1>	(NOTE B2)
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> NOTE B2 : MCTs ON TOP OF THE PANEL
REMOVABLE BOTTOM PLATE, FOR PANEL FIXING ON CUSTOMER COUNTER FRAME, 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 <1>	1kW <1>	0,6kW <1>
D4	INTERNAL LIGHTING WITH DOOR LIMIT SWITCH OPERATION	■ LED (230Vac - 50Hz) <1>		
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-ITER_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-00011

SHEET 003

REV. 3

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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CROSSWIND

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

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

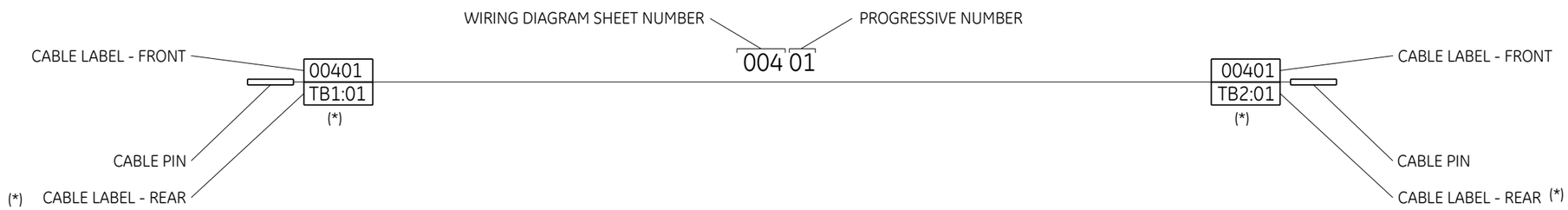
SHEET 004

REV. 3

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

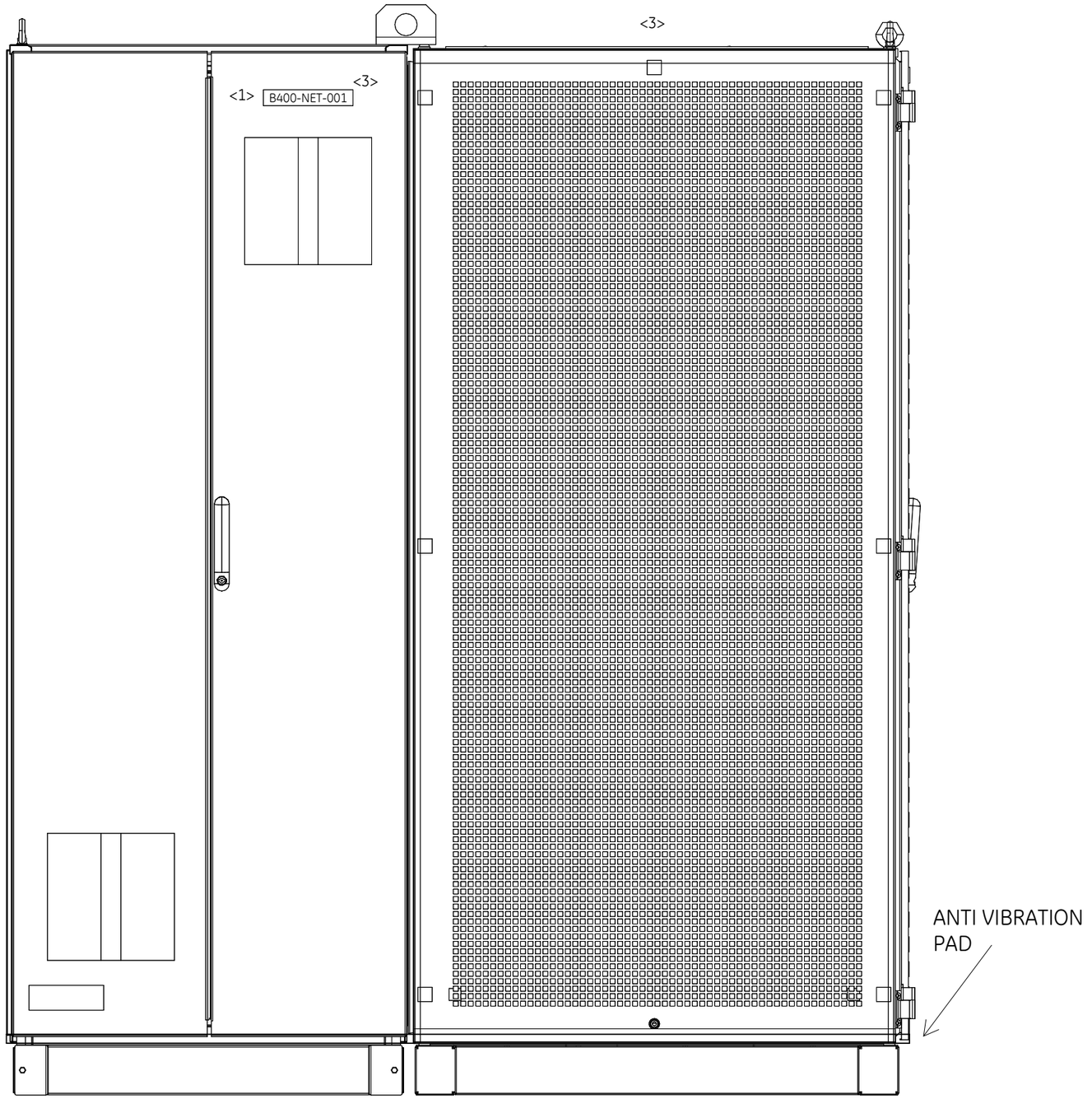
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CROSSWIND
ROSETTI MARINO

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-00011
SHEET 005
REV. 3

SERVER & NETWORK - EXTERNAL FRONT VIEW



DRAWING SCALE 1:10

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3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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CROSSWIND

ROSETTI MARINO

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& WIRING DIAGRAM
SERVER & NETWORK - EXTERNAL FRONT VIEW

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

SCALE : 1

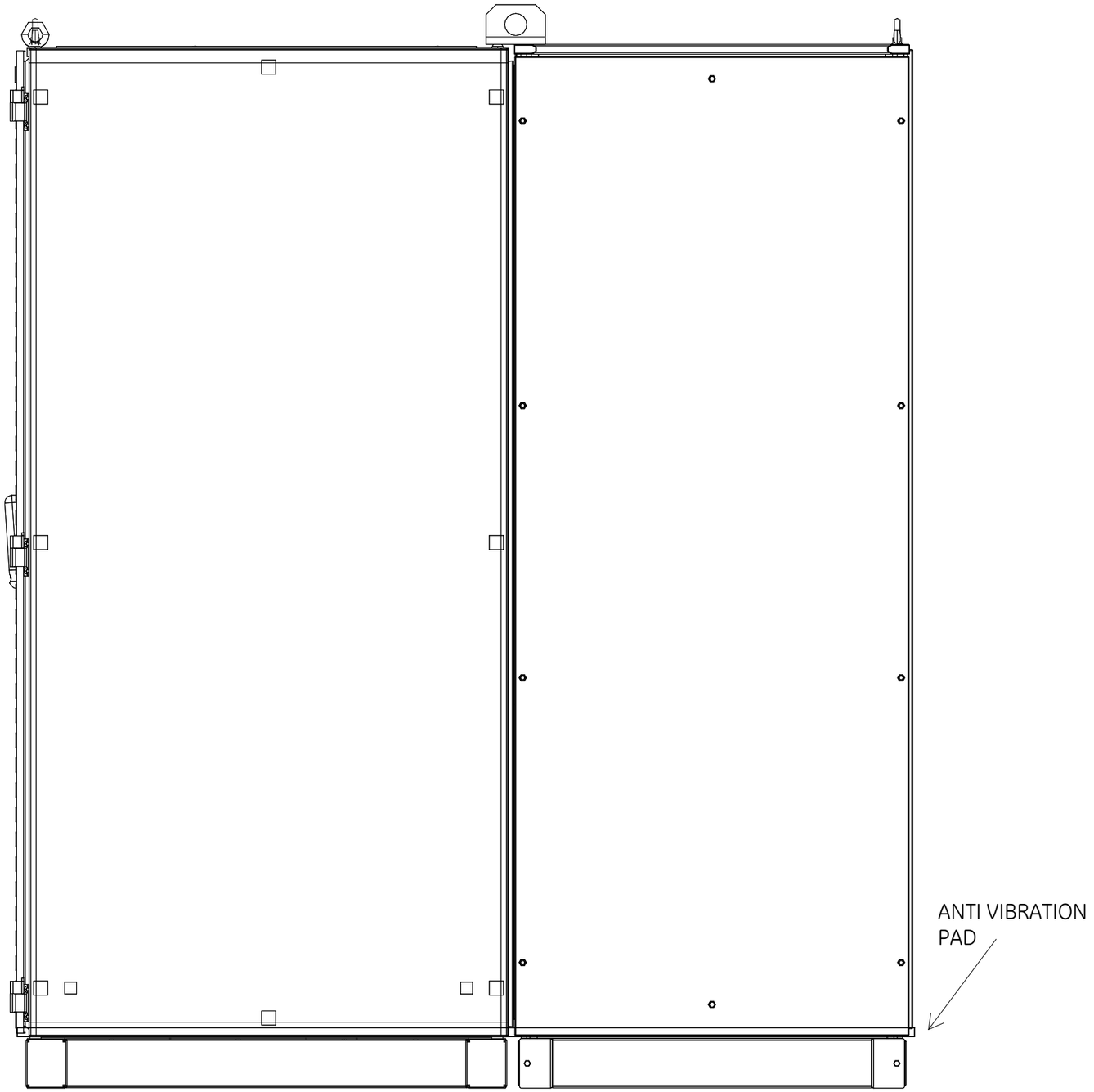
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DRAWING NO. 1724000594-IN-DA-00011

SHEET 006

REV. 3

SERVER & NETWORK - EXTERNAL REAR VIEW



DRAWING SCALE 1:10

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SERVER & NETWORK - EXTERNAL REAR VIEW

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SCALE : 1

A3

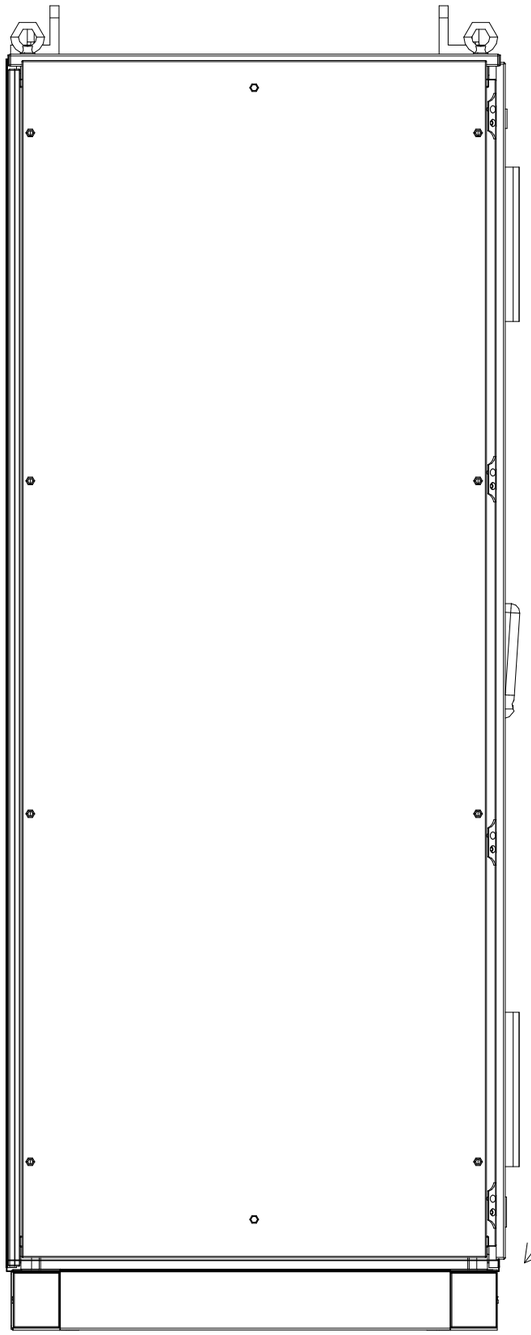
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SHEET 007

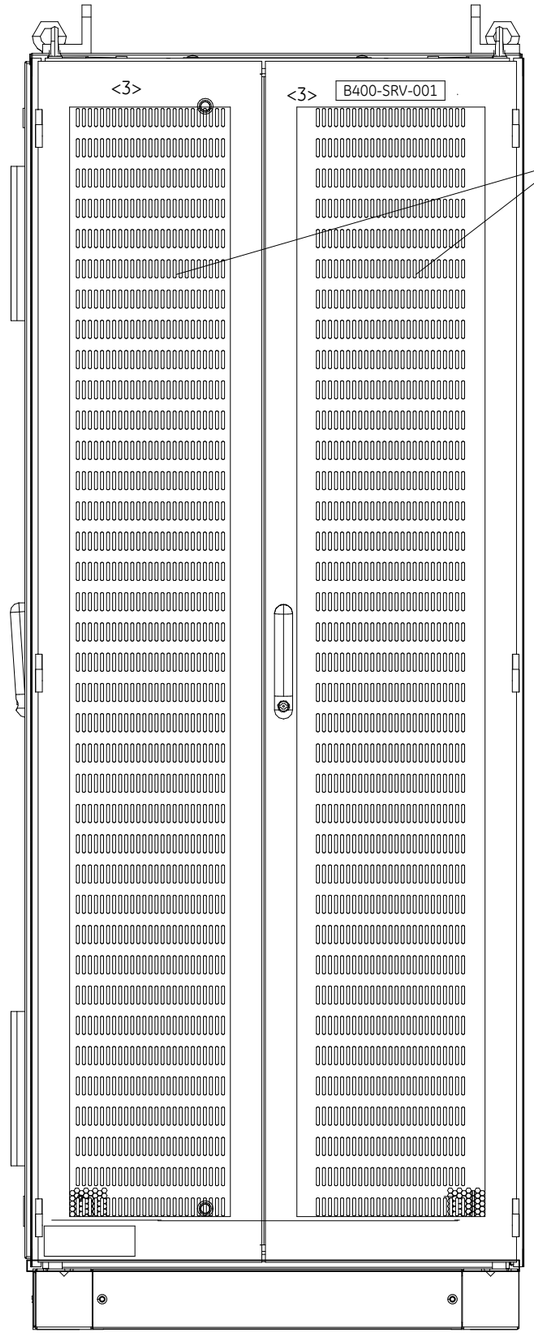
REV. 3

SERVER & NETWORK - LEFT SIDE AND RIGHT SIDE VIEW

LEFT SIDE



RIGHT SIDE



DRAWING SCALE 1:10

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SERVER & NETWORK - LEFT SIDE AND RIGHT SIDE VIEW

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A3

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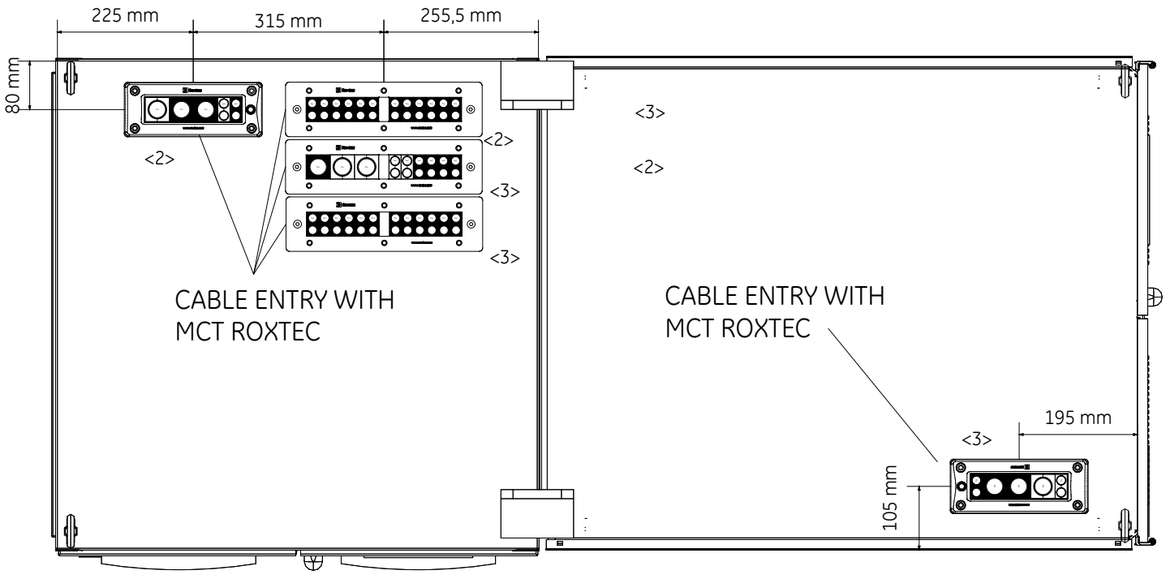
SHEET 008

REV. 3

SERVER & NETWORK - EXTERNAL & INTERNAL TOP VIEW

EXTERNAL TOP VIEW

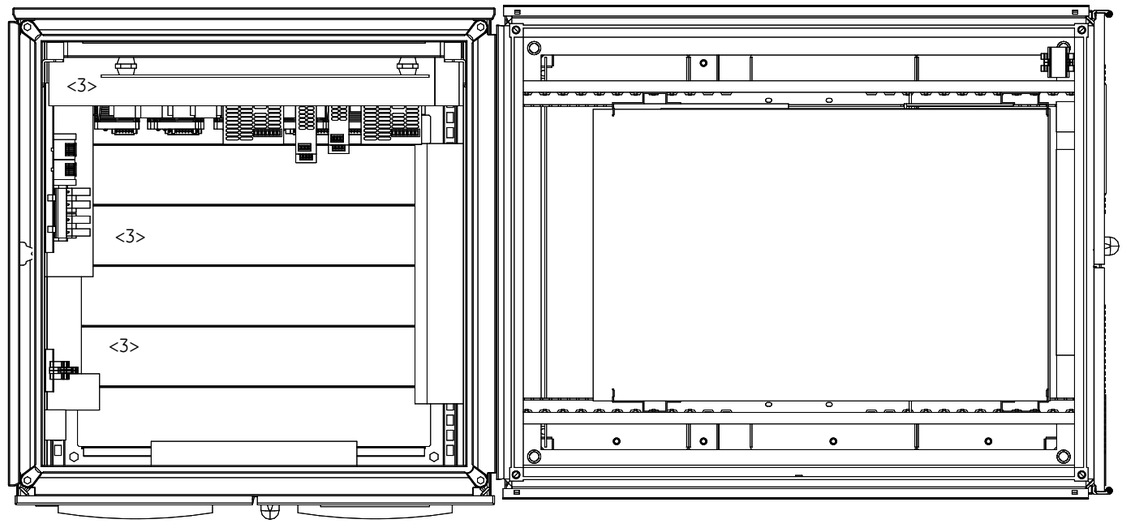
REAR



FRONT

INTERNAL TOP VIEW

REAR



FRONT

DRAWING SCALE 1:10

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& WIRING DIAGRAM
SERVER & NETWORK - EXTERNAL & INTERNAL TOP VIEW

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

SCALE : 1

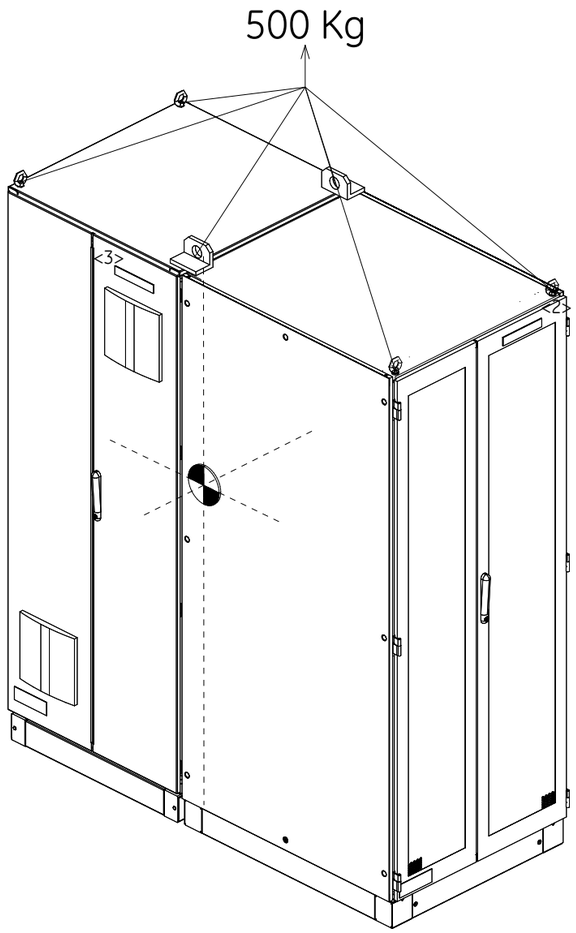
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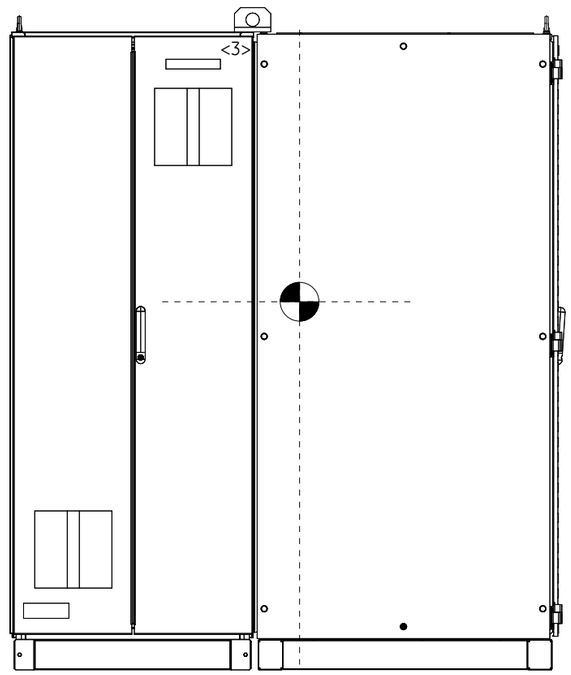
DRAWING NO. 1724000594-IN-DA-00011

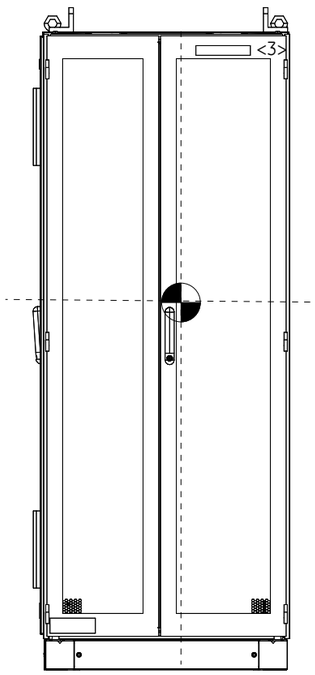
SHEET 009

REV. 3

SERVER PANEL - LIFTING DETAILS







= CENTER OF GRAVITY

DRAWING SCALE 1:20
ALL QUOTES SHOWN ARE APPROXIMATE VALUE

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

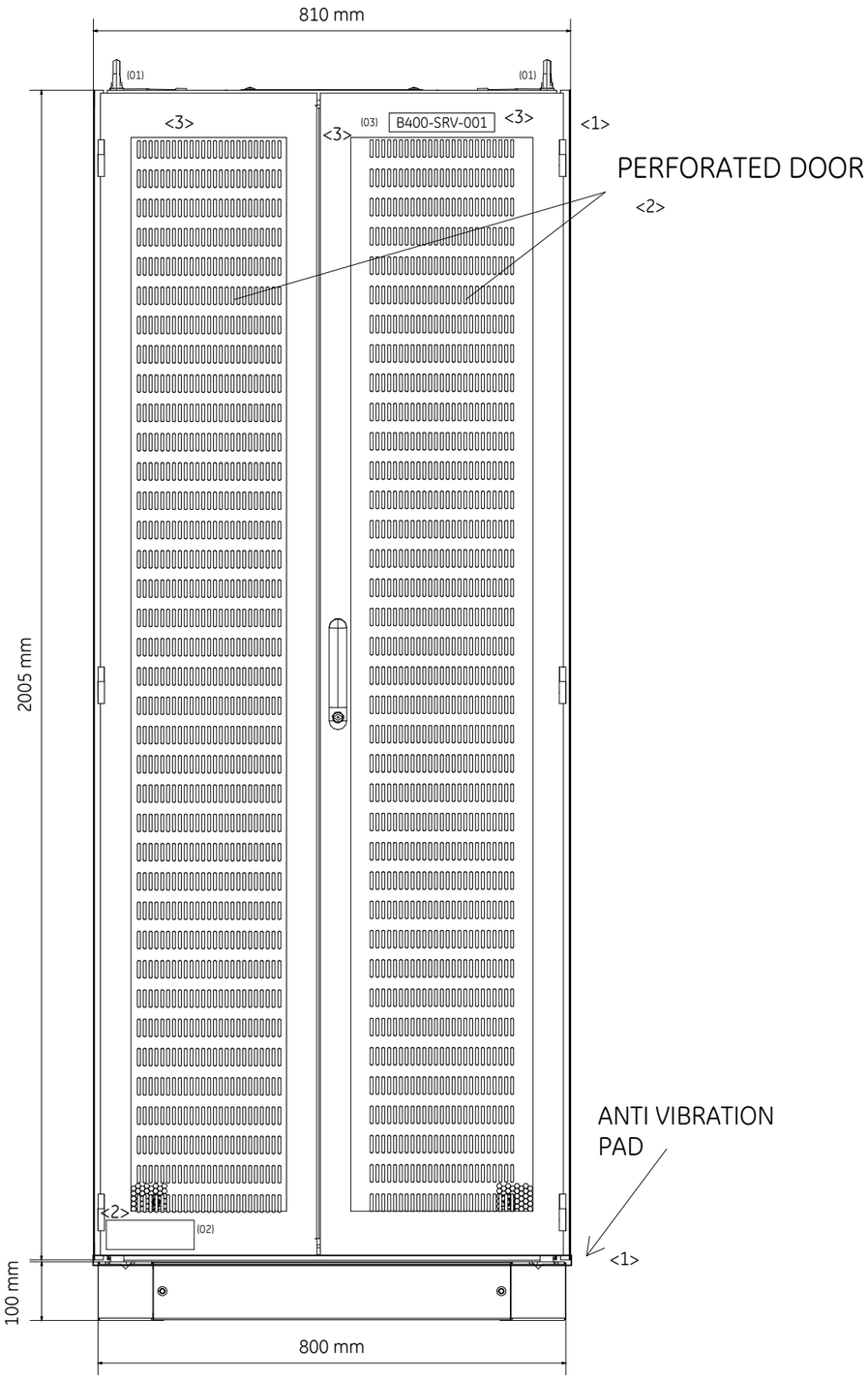
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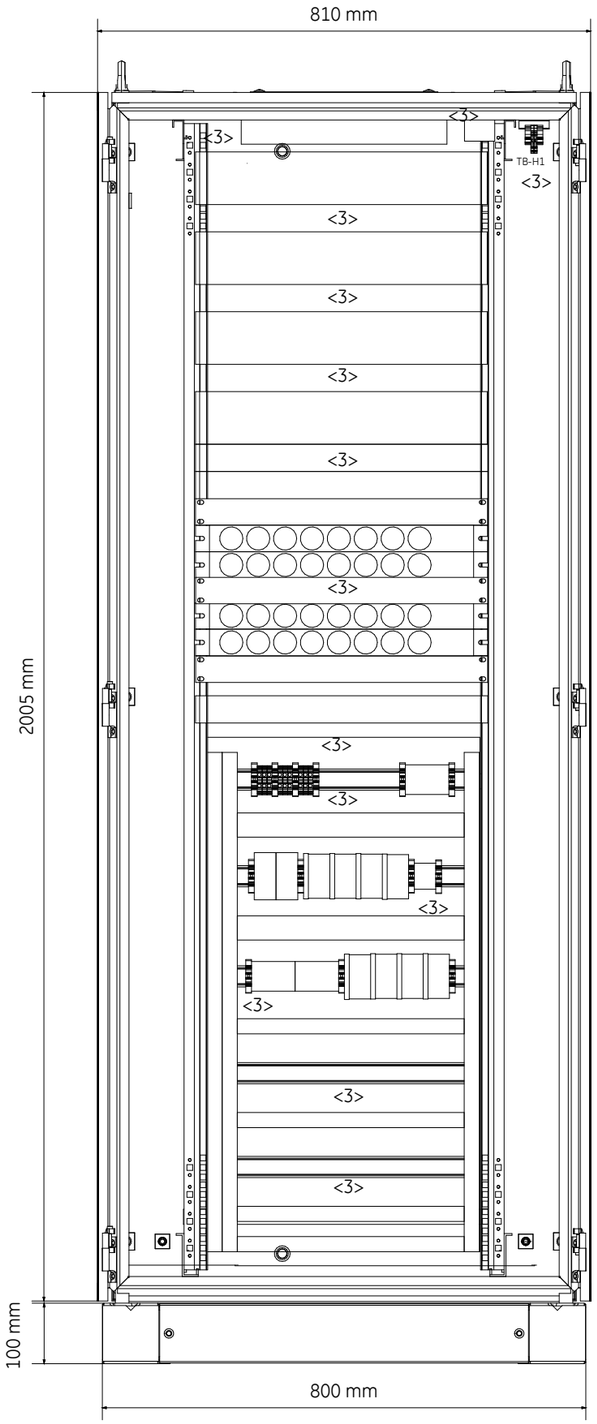
DRAWING NO. 1724000594-IN-DA-00011

SHEET 010

REV. 3

SERVER PANEL - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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0	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

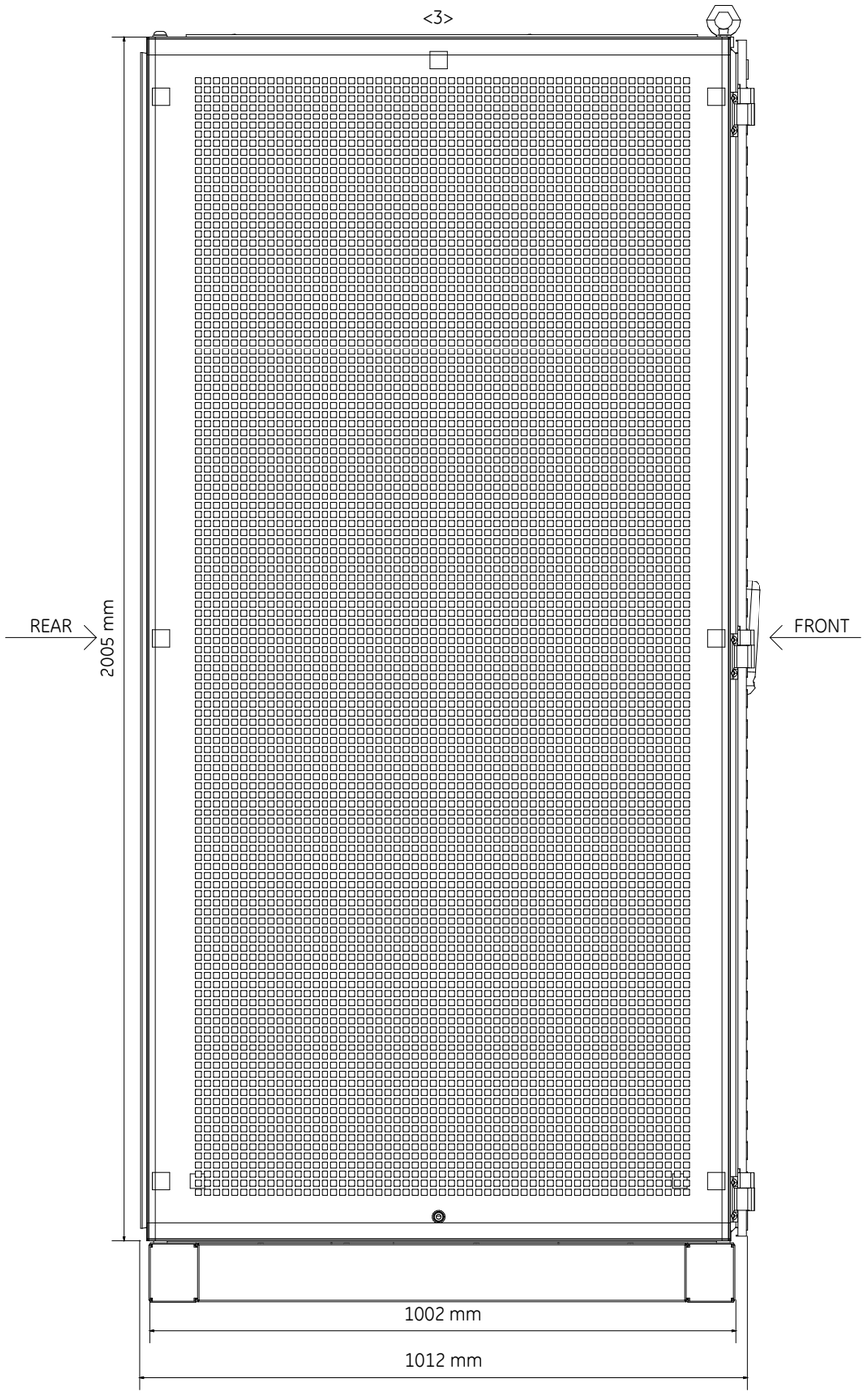
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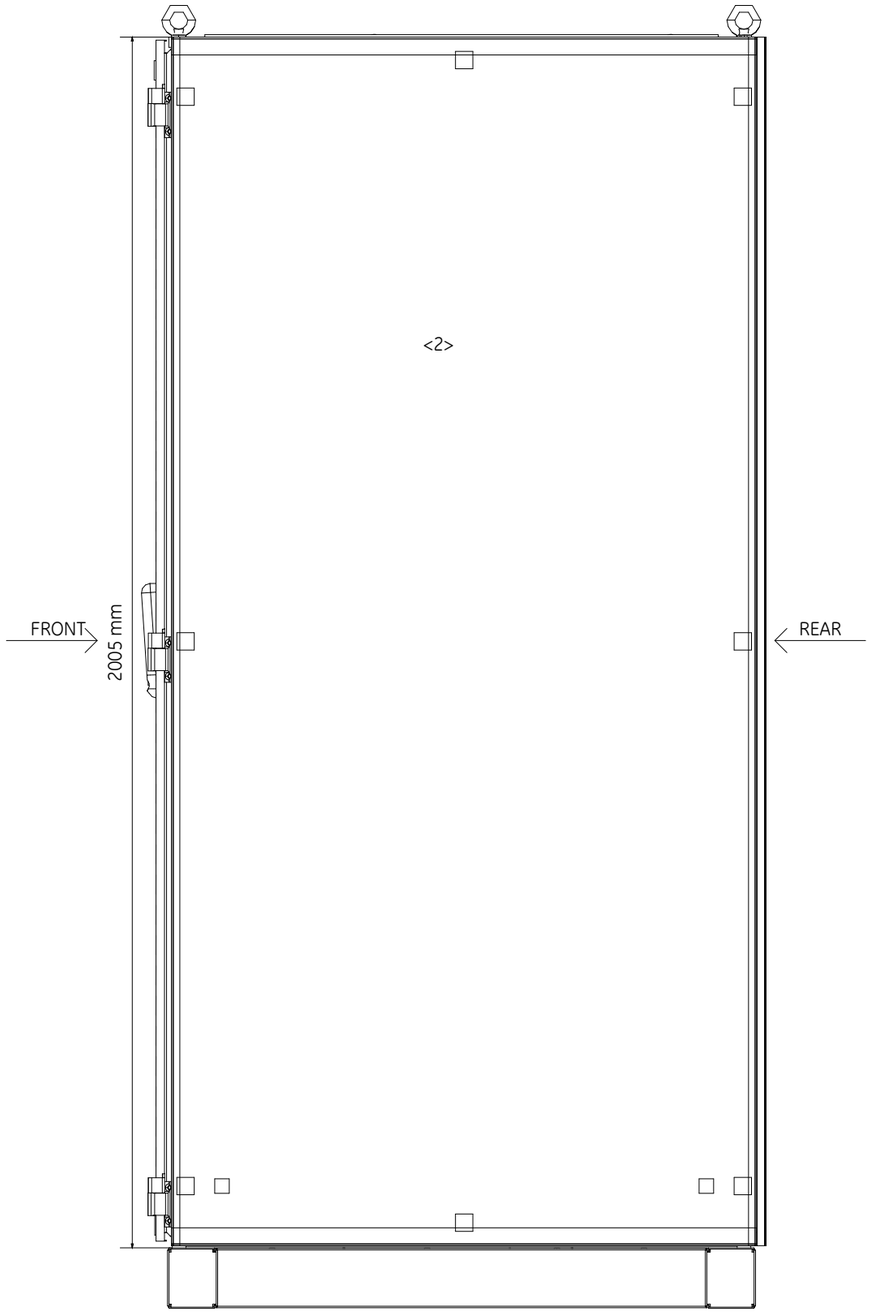
DRAWING NO. 1724000594-IN-DA-00011

SHEET 011

REV. 3

SERVER PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

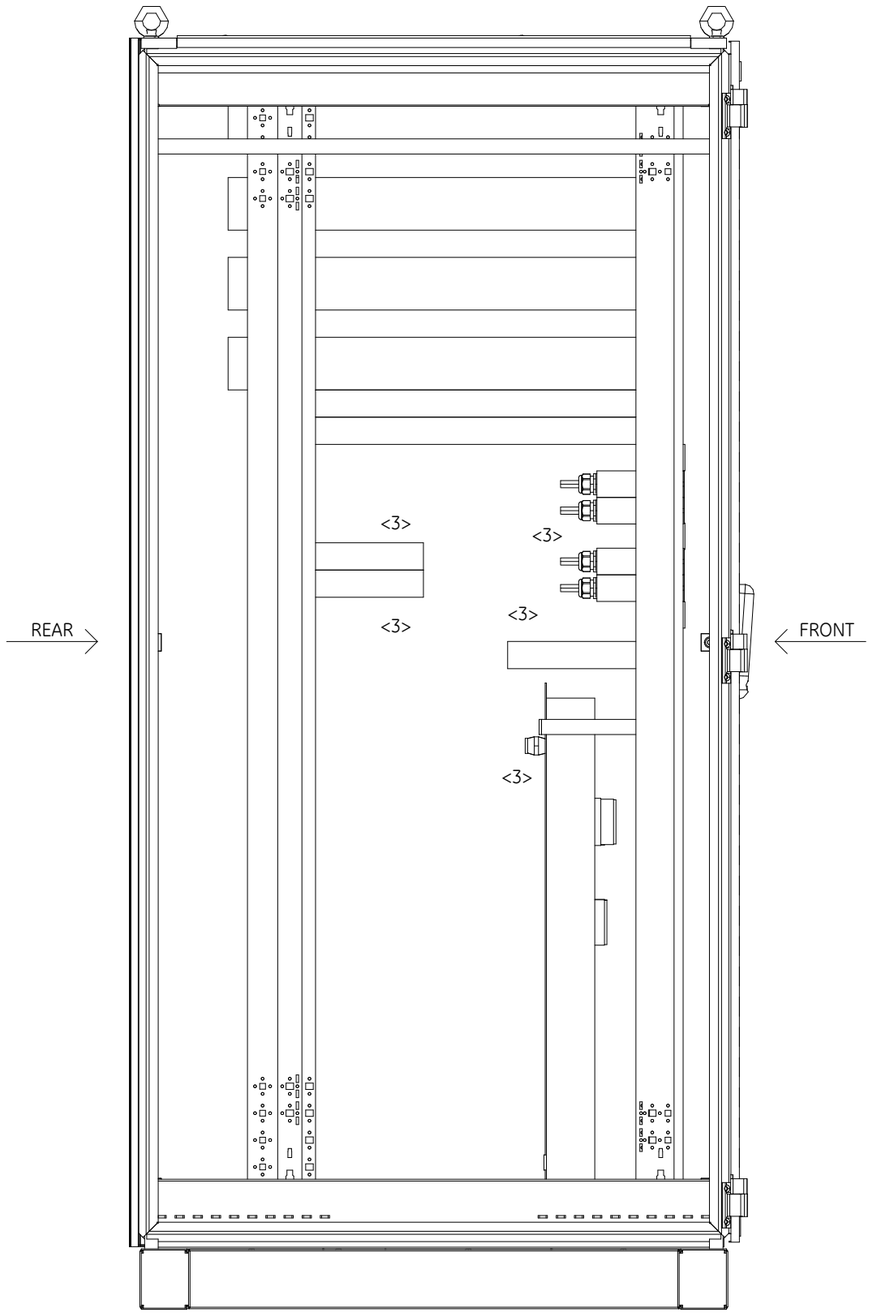
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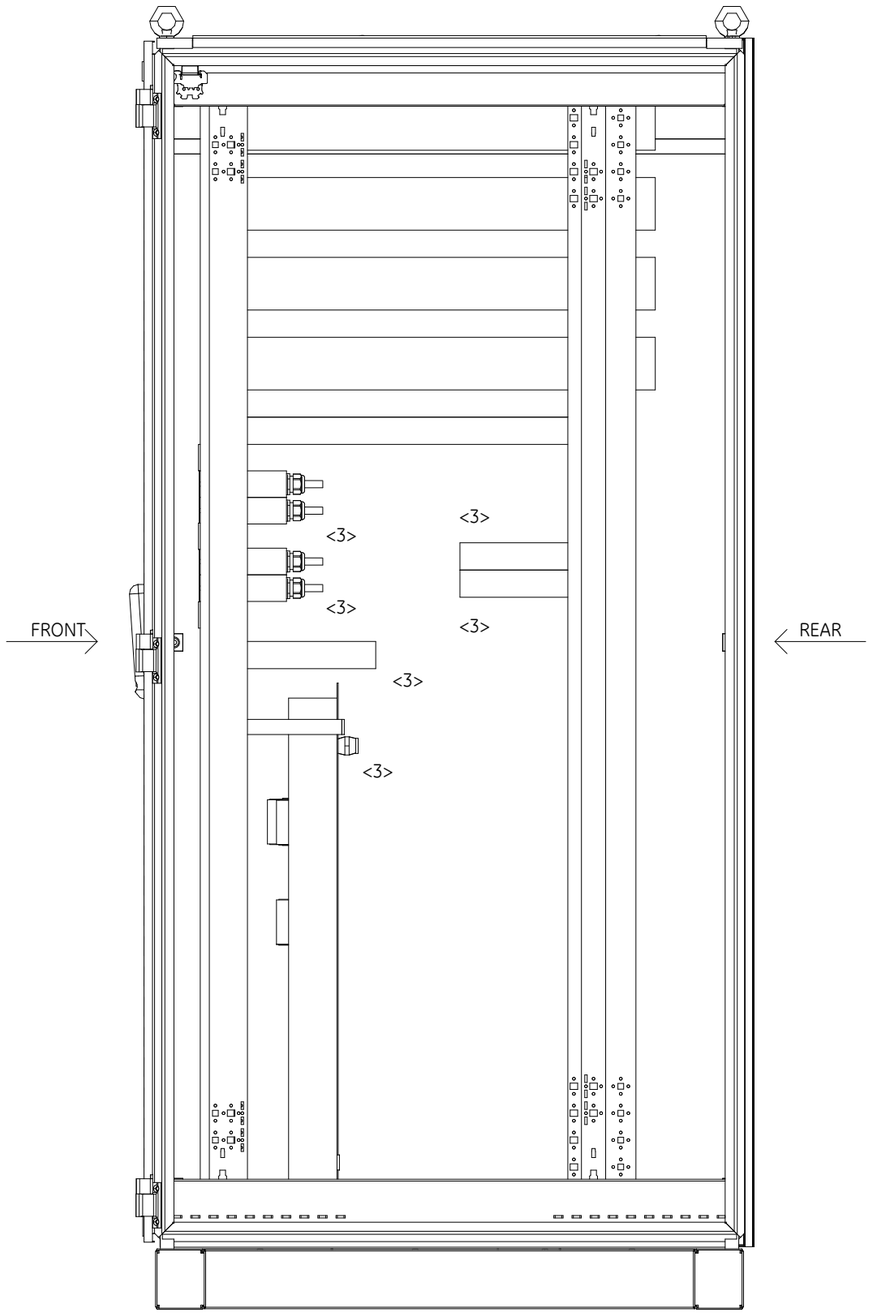
DRAWING NO. 1724000594-IN-DA-00011

SHEET 012

REV. 3

SERVER PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE WITHOUT PANEL





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

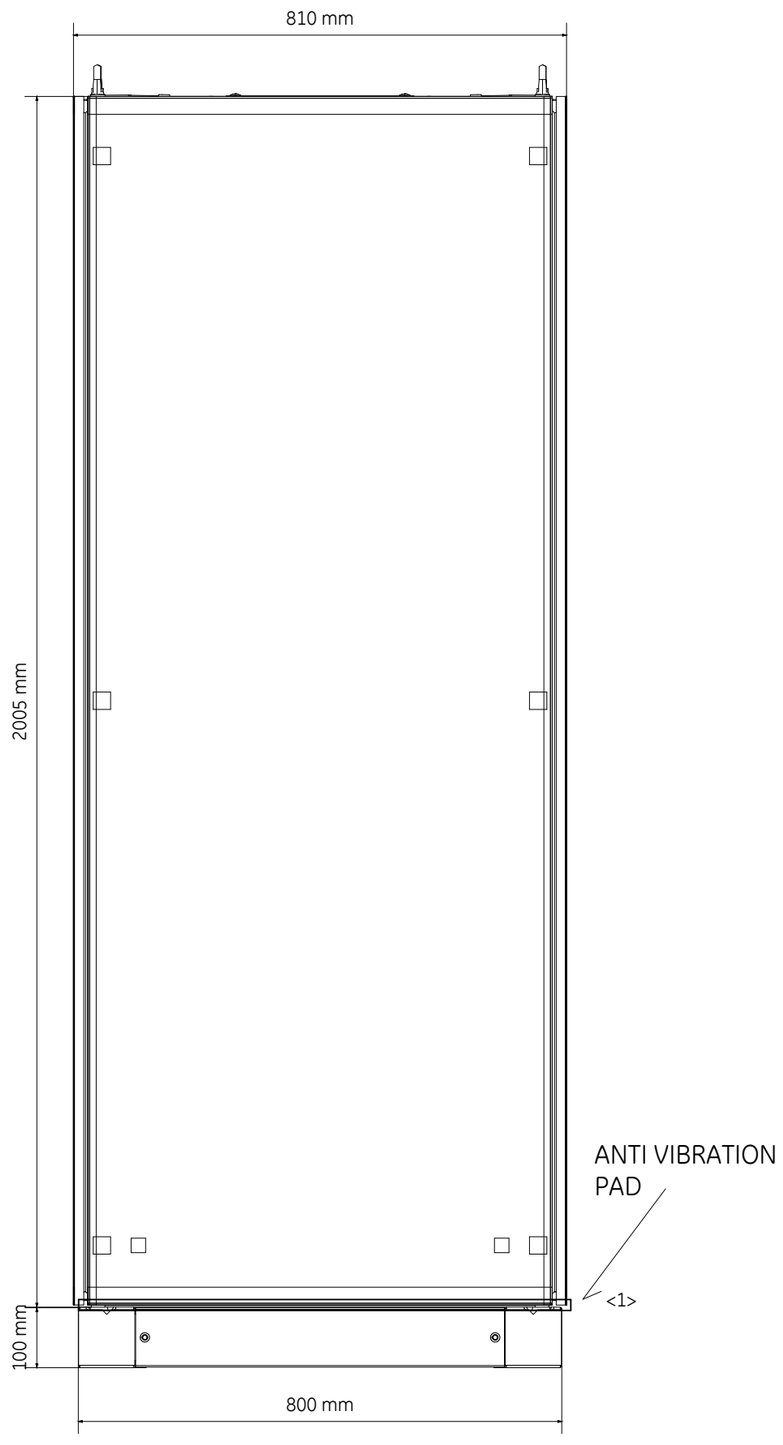
A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 013

REV. 3

SERVER PANEL - EXTERNAL REAR VIEW



DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

A3

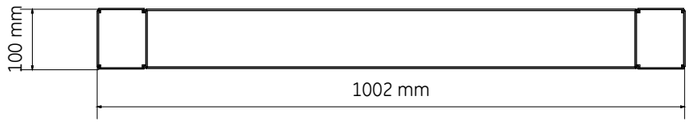
DRAWING NO. 1724000594-IN-DA-00011

SHEET 014

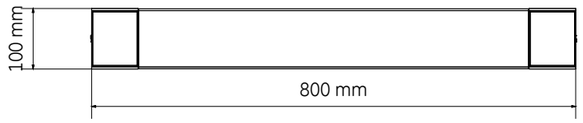
REV. 3

SERVER PANEL - BASEPLATE DETAILS

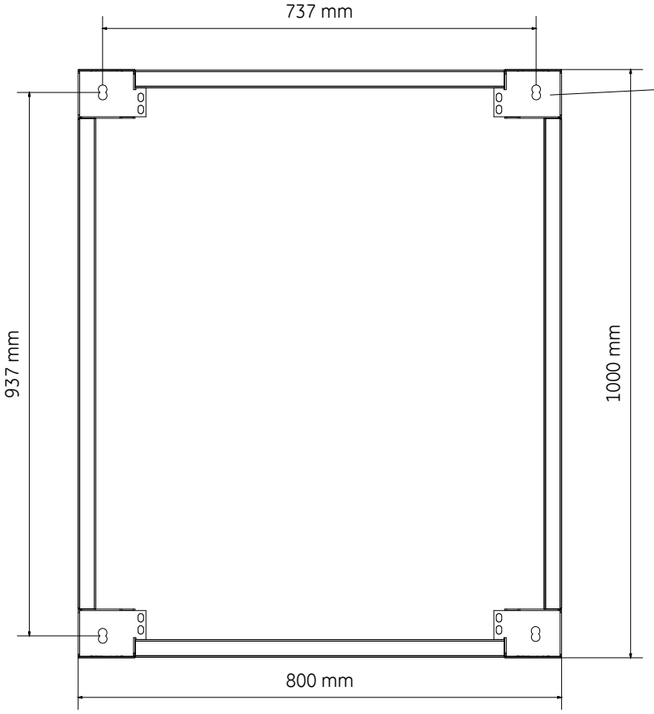
BASEPLATE SIDE VIEW

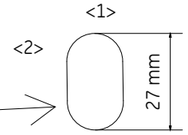


BASEPLATE FRONT VIEW



BASEPLATE BOTTOM VIEW
REAR SIDE





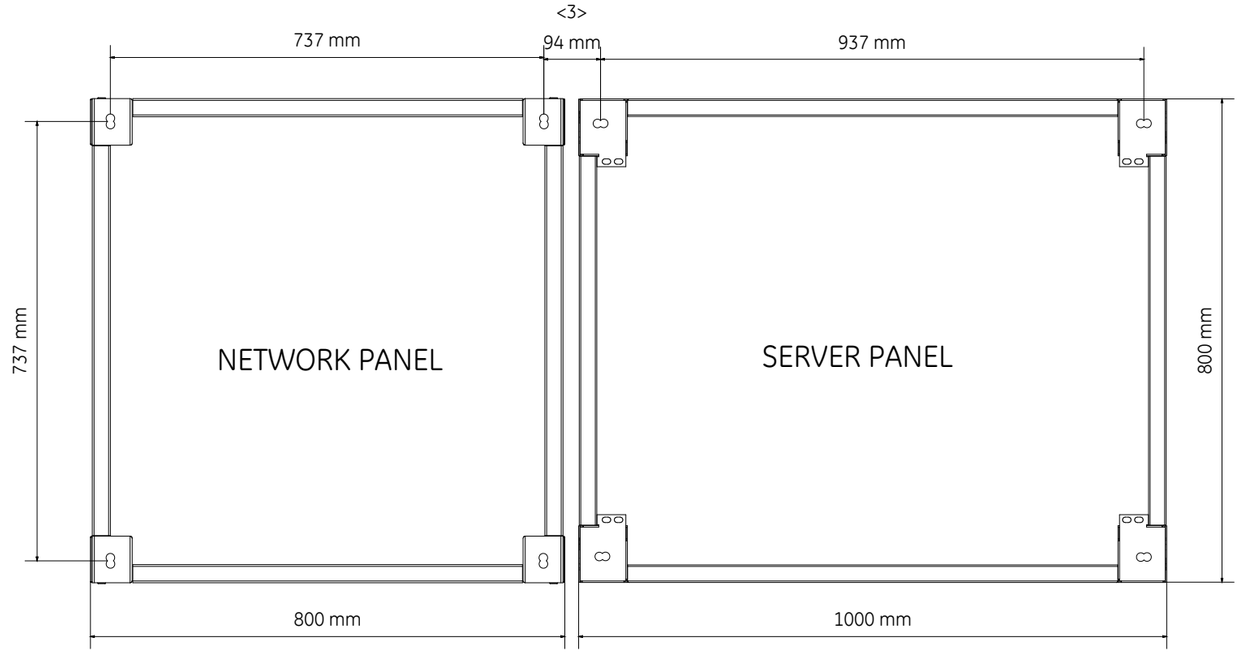
DETAIL OF FIXING HOLE:

Ø 16mm

BASEPLATE TOP VIEW
REAR SIDE

<1>

<3>
BASEPLATES OF TWO ASSEMBLED CABINETS



<3> NOTE:
FOR NETWORK PANEL BASEPLATE DETAILS, SEE SHEET 024

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

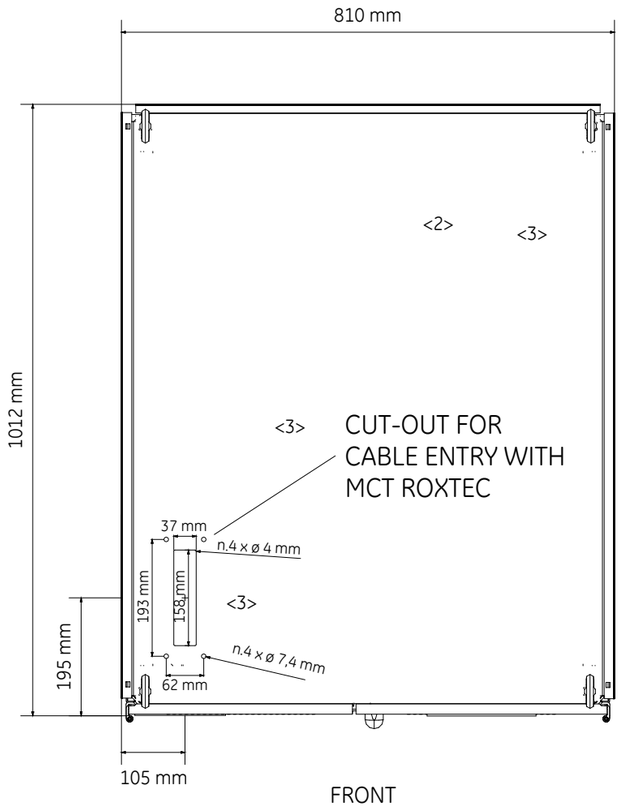
SHEET 015

REV. 3

SERVER PANEL - EXTERNAL & INTERNAL TOP VIEW

EXTERNAL TOP VIEW

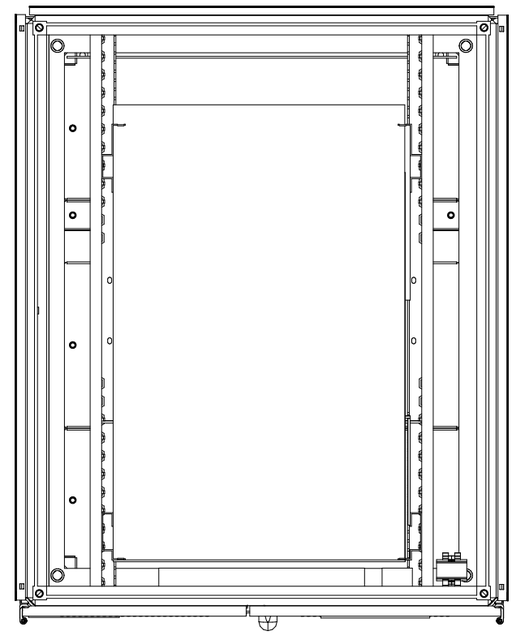
REAR



FRONT

INTERNAL TOP VIEW

REAR



FRONT

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER - 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-00011

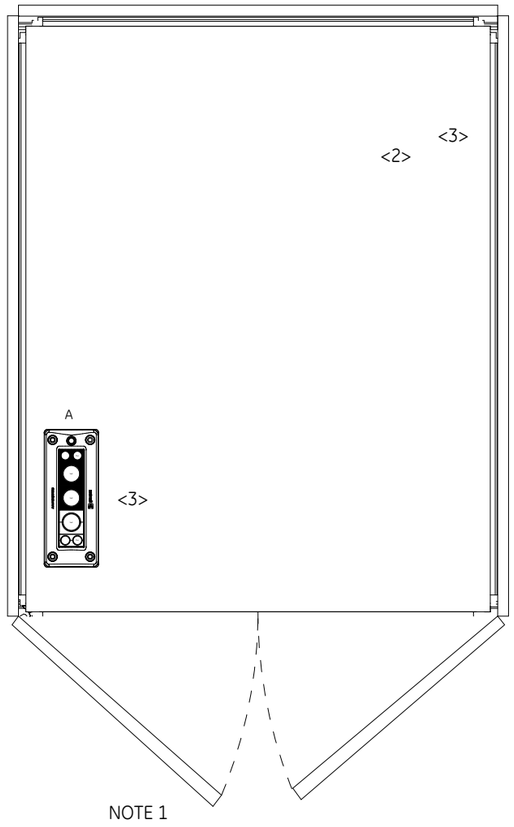
SHEET 016

REV. 3

SERVER PANEL - EXTERNAL TOP VIEW DOOR OPEN

EXTERNAL TOP VIEW
(DOOR OPEN)

REAR



FRONT

<2>

CABLE TAG	CABLE TYPE	OUTER CABLE DIAMETER (mm)	MCT SIZE	POSITION
84307-CEL	3G6	18.3	40x40	A
84308-CEL	3G6	18.3	40x40	A
83109-CEL	3G2.5	13	20x40	A

NOTES :

NOTE 1: DOORS LOCK AT 90°

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

A3

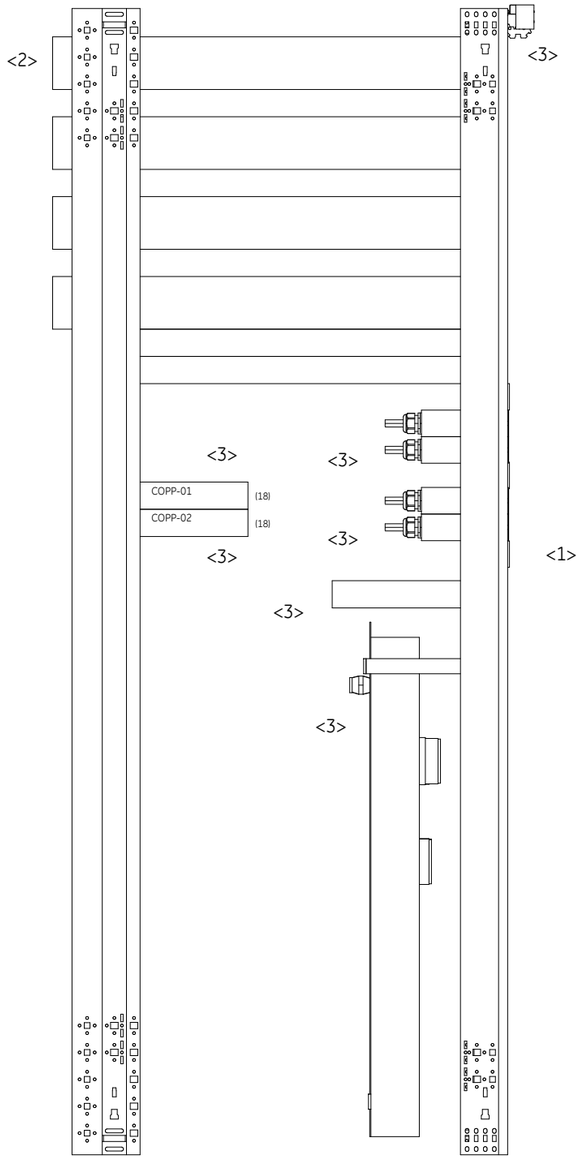
DRAWING NO. 1724000594-IN-DA-00011

SHEET 017

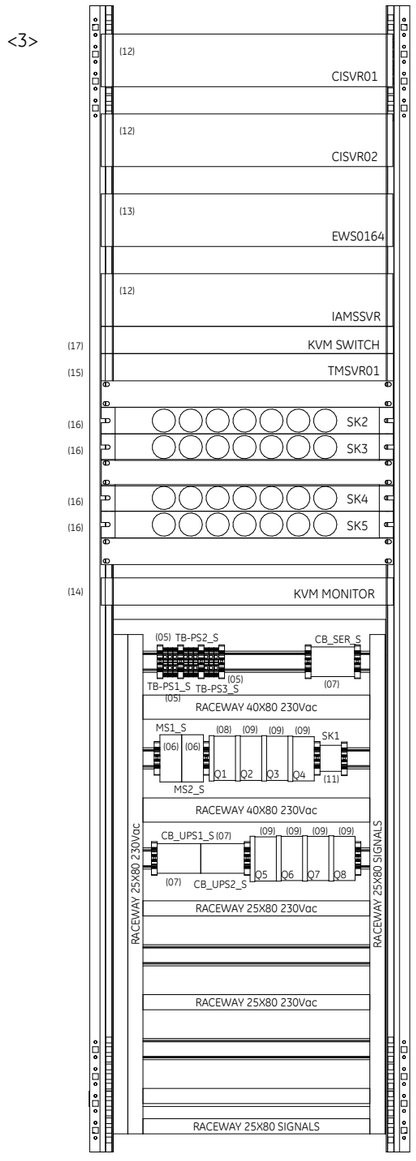
REV. 3

SERVER PANEL - FRONT SIDE INTERNAL VIEW

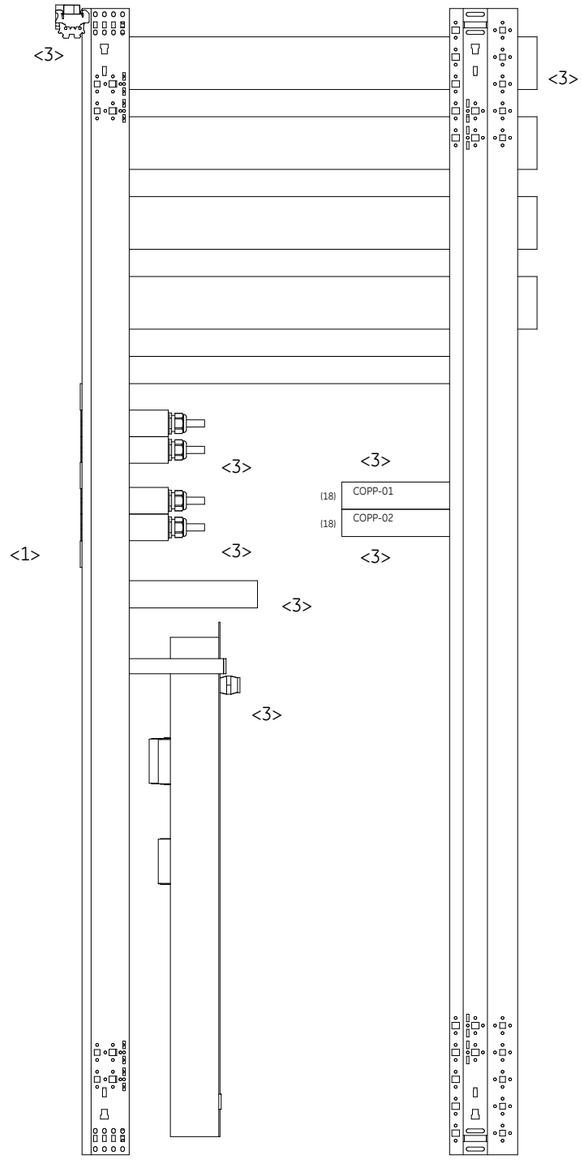
LEFT VIEW



FRONT VIEW



RIGHT VIEW



DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
SERVER - 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-00011

SHEET 018

REV. 3

SHEET LEFT INTENTIONALLY BLANK

3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

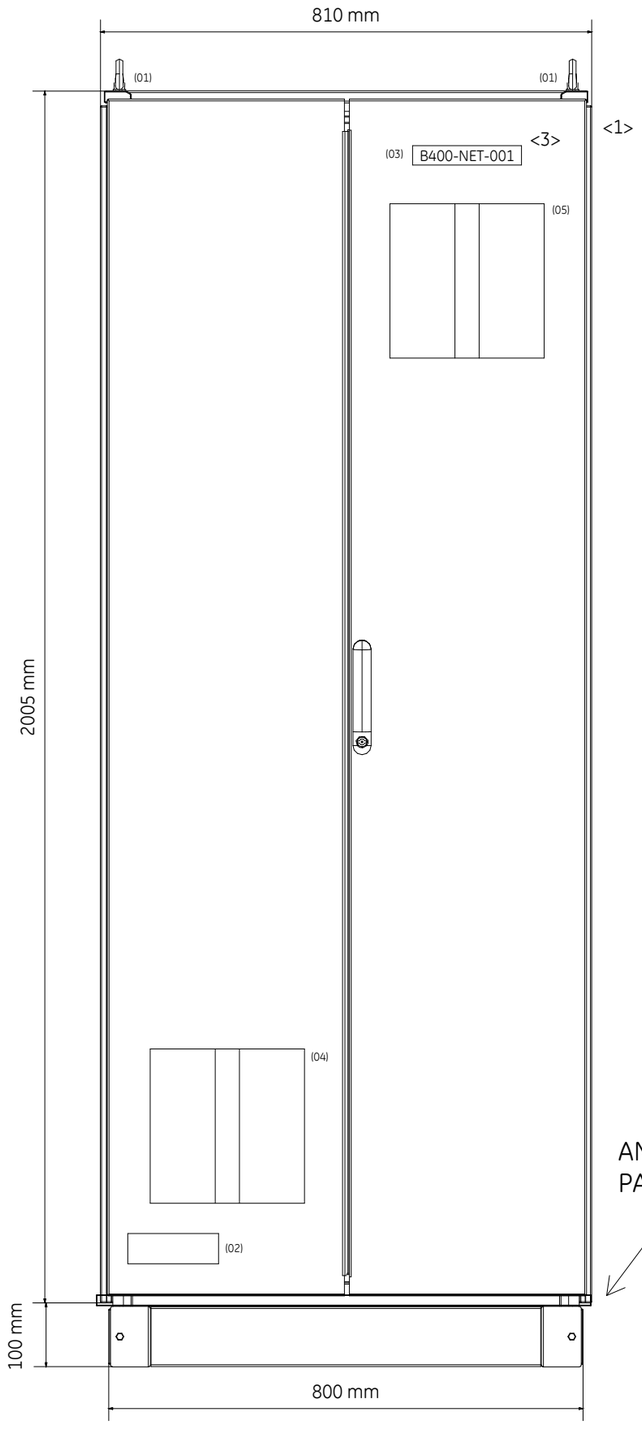
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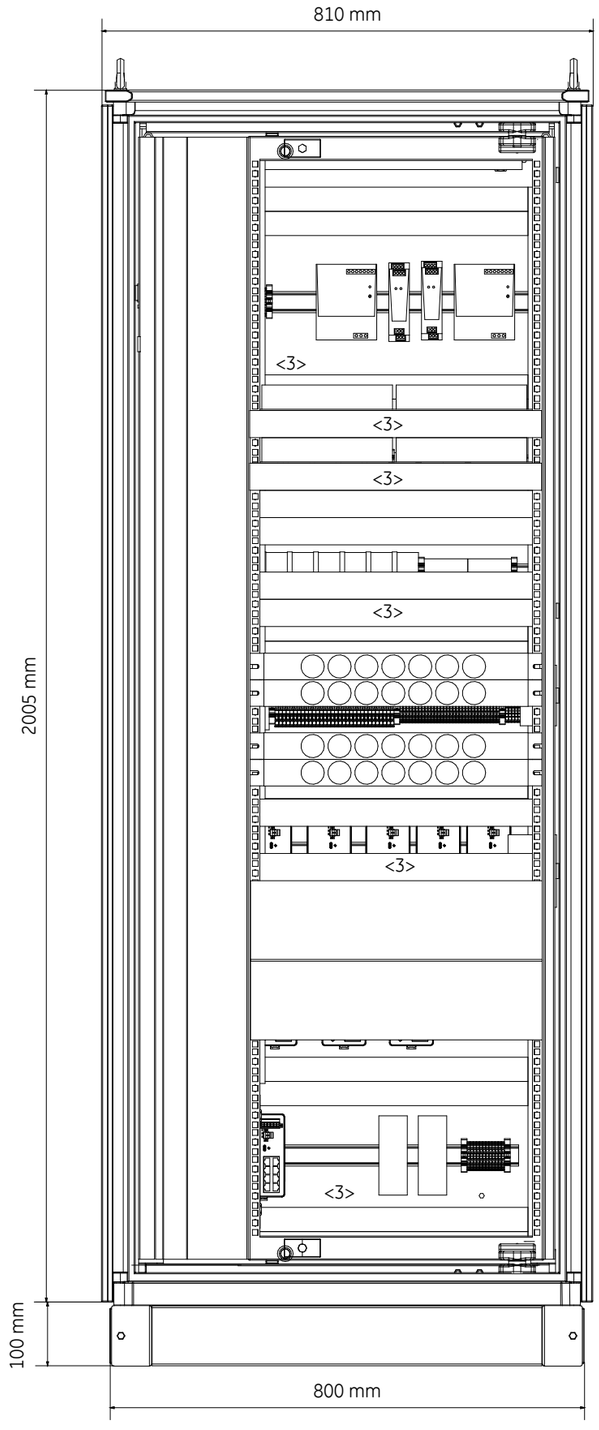
DRAWING NO. 1724000594-IN-DA-00011

SHEET 019

REV. 3

NETWORK PANEL - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

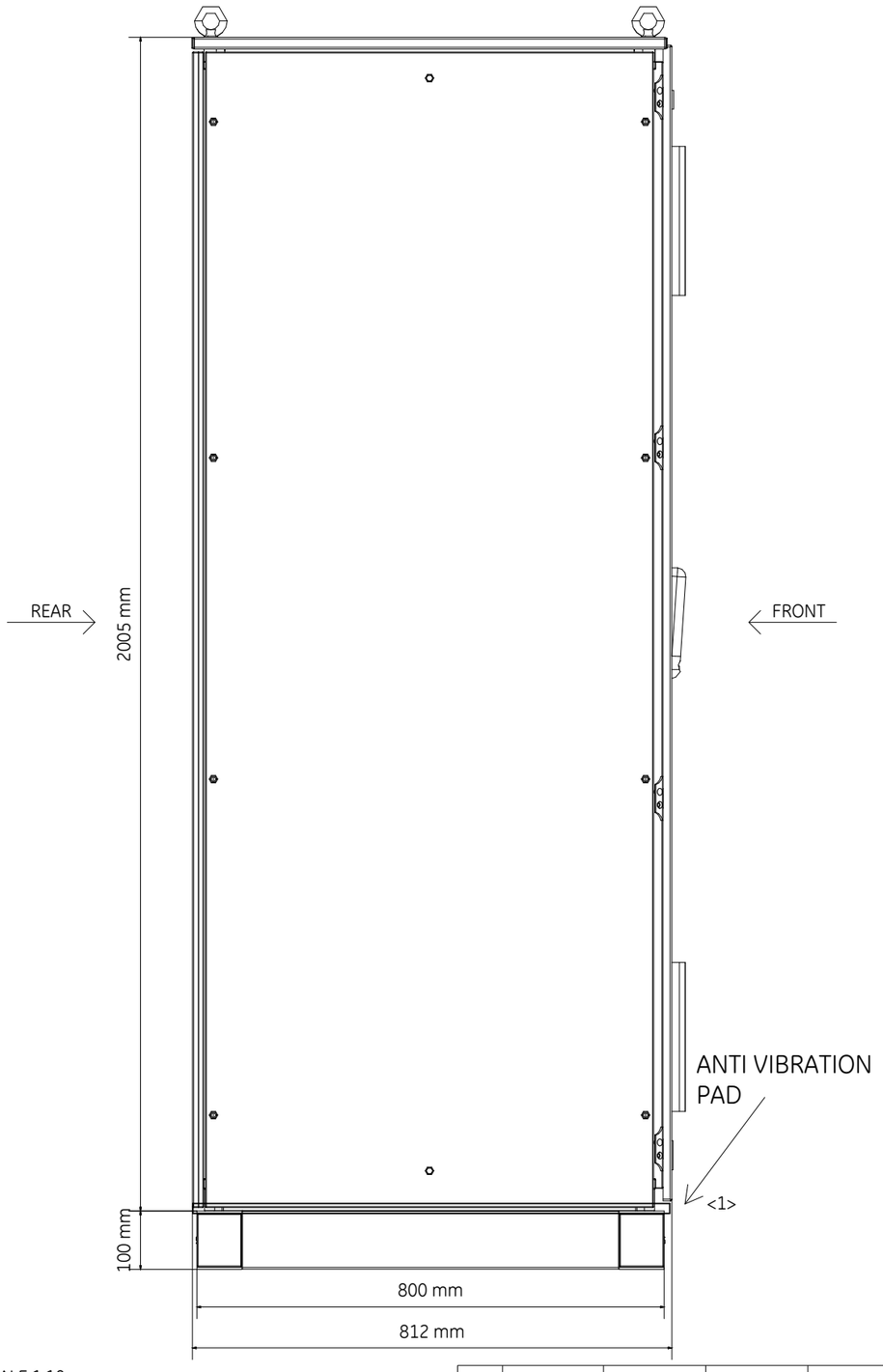
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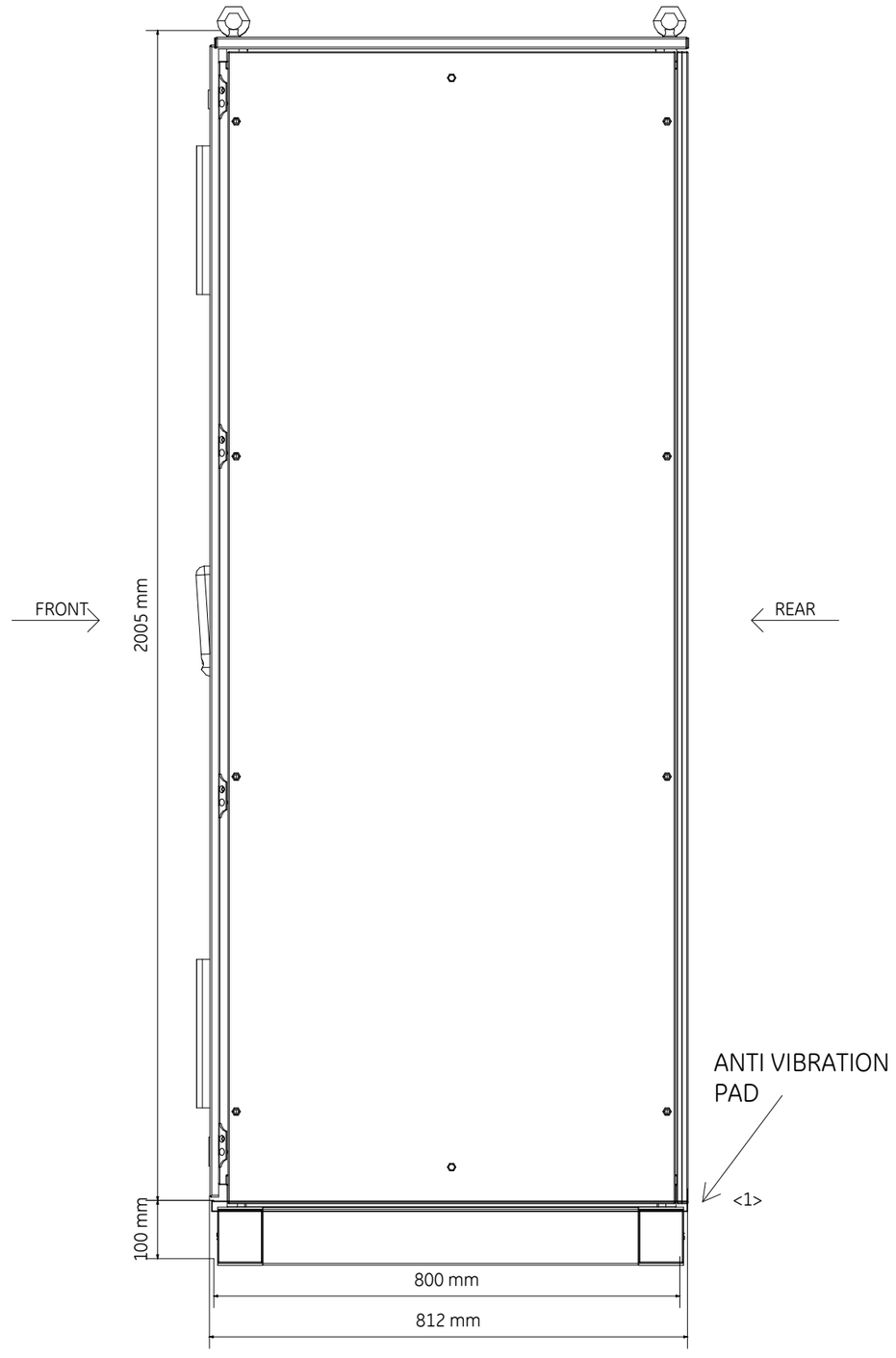
DRAWING NO. 1724000594-IN-DA-00011

SHEET 020

REV. 3

NETWORK PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

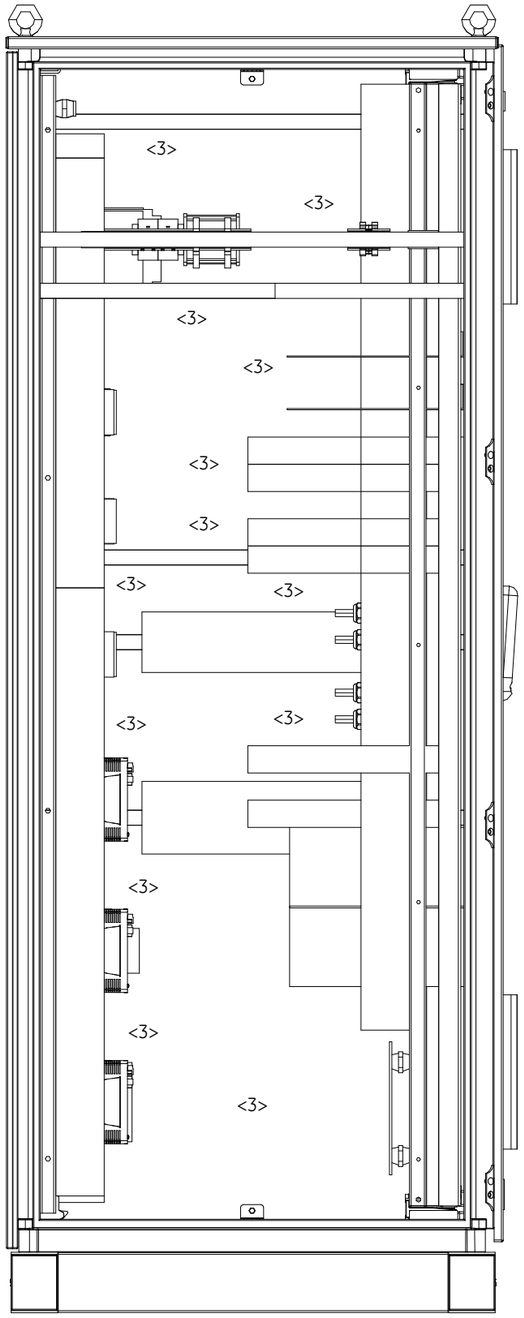
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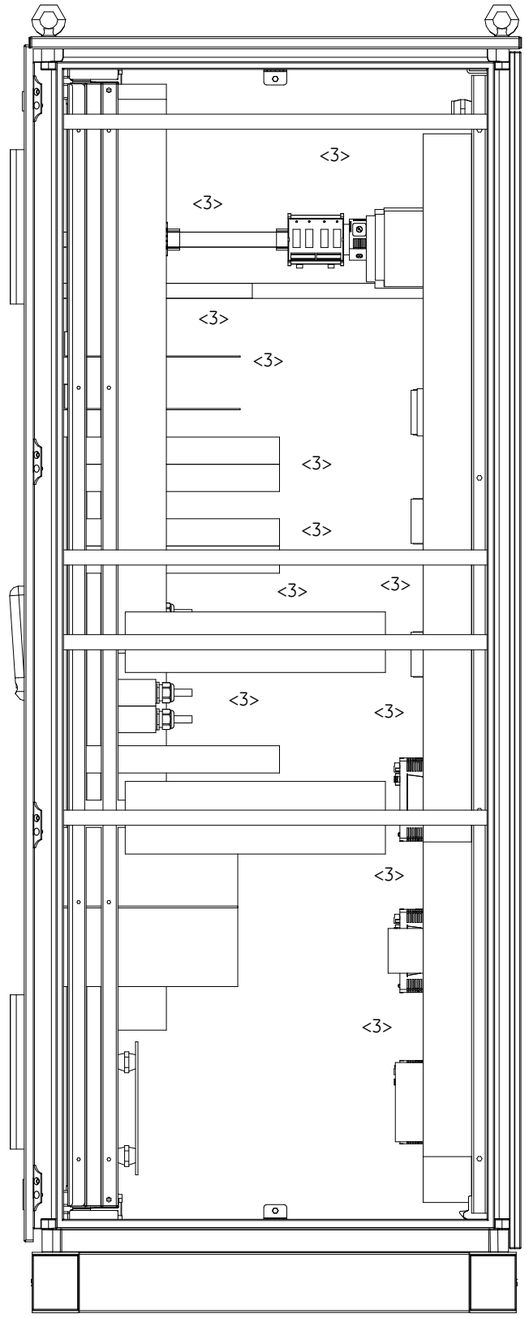
DRAWING NO. 1724000594-IN-DA-00011

SHEET 021

REV. 3

NETWORK PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE WITHOUT PANEL





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	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	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
NETWORK - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW WHITOUT PANEL

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

SCALE : 1

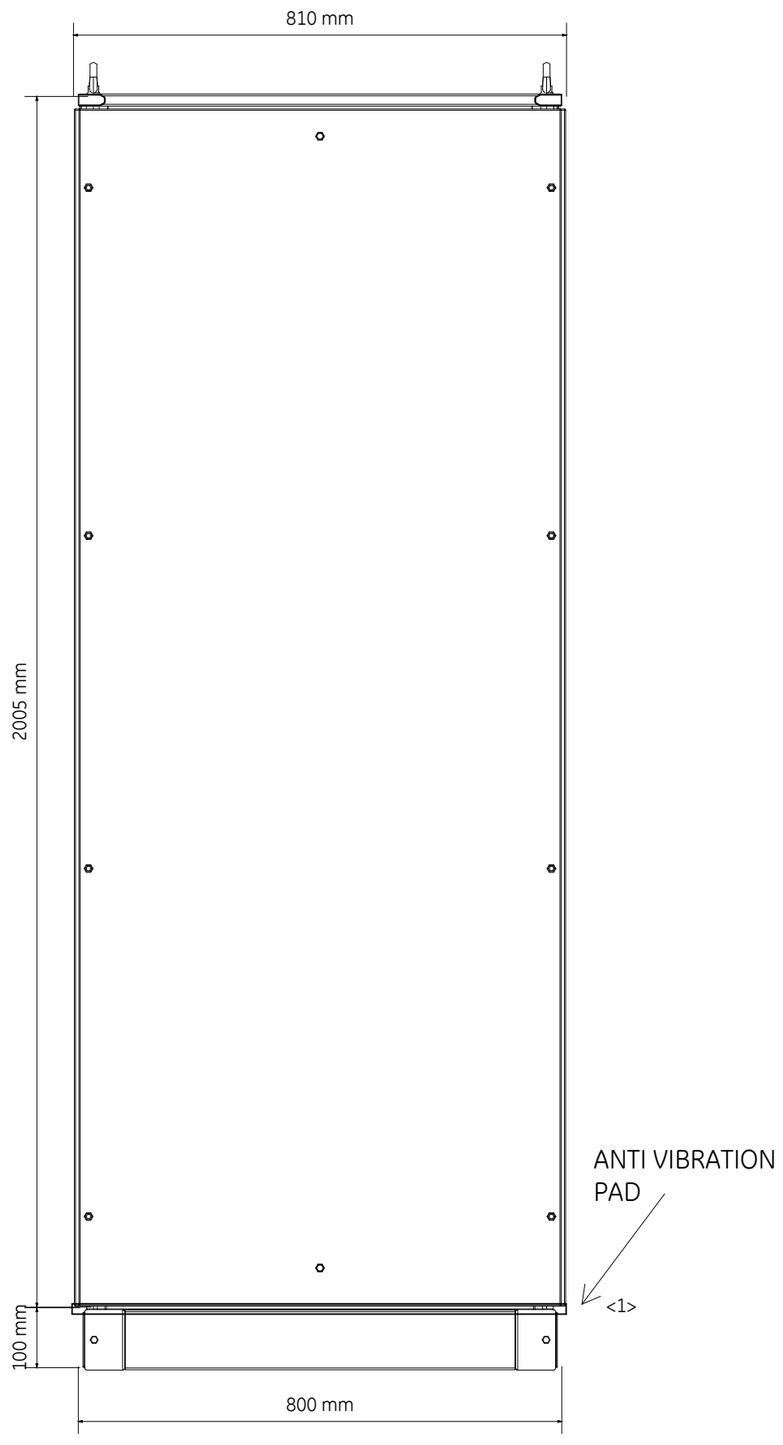
A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 022

REV. 3

NETWORK PANEL - EXTERNAL REAR VIEW



DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
NETWORK - EXTERNAL REAR VIEW

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 023

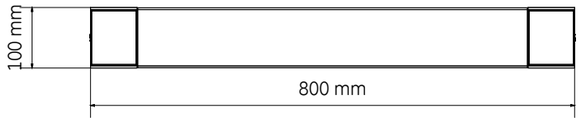
REV. 3

NETWORK PANEL - BASEPLATE DETAILS

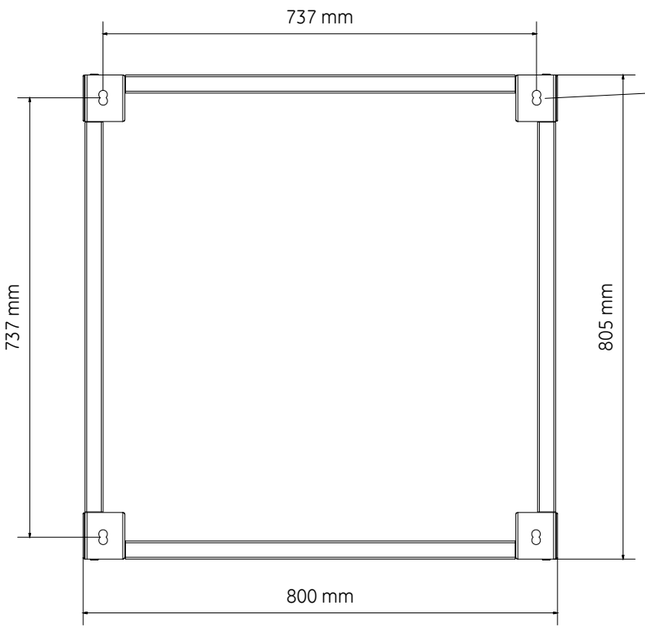
BASEPLATE SIDE VIEW



BASEPLATE FRONT VIEW

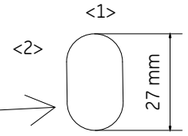


BASEPLATE BOTTOM VIEW
REAR SIDE



FRONT SIDE

BASEPLATE TOP VIEW
REAR SIDE



DETAIL OF FIXING HOLE:

Ø 16mm

<1>

<3> NOTE:
FOR DISTANCES BETWEEN HOLES OF TWO ASSEMBLED CABINETS, SEE SHEET 015

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
NETWORK - BASEPLATE DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

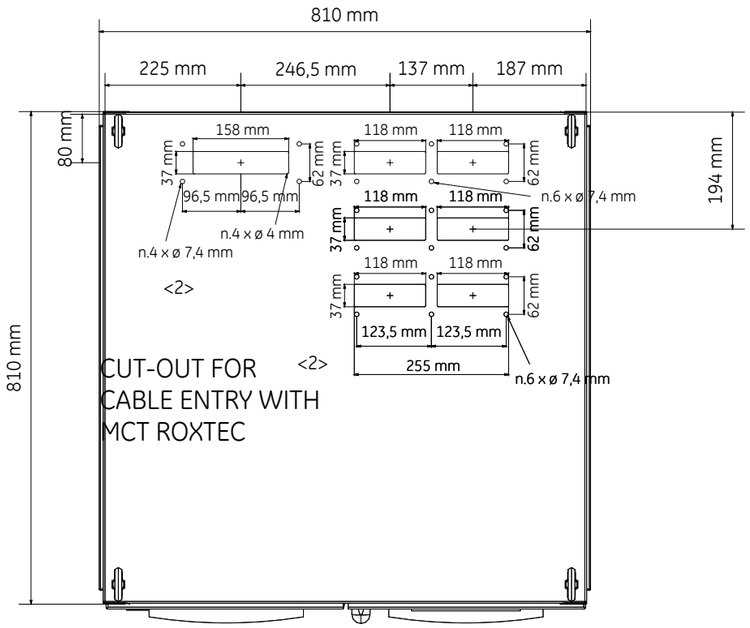
SHEET 024

REV. 3

NETWORK PANEL - EXTERNAL & INTERNAL TOP VIEW

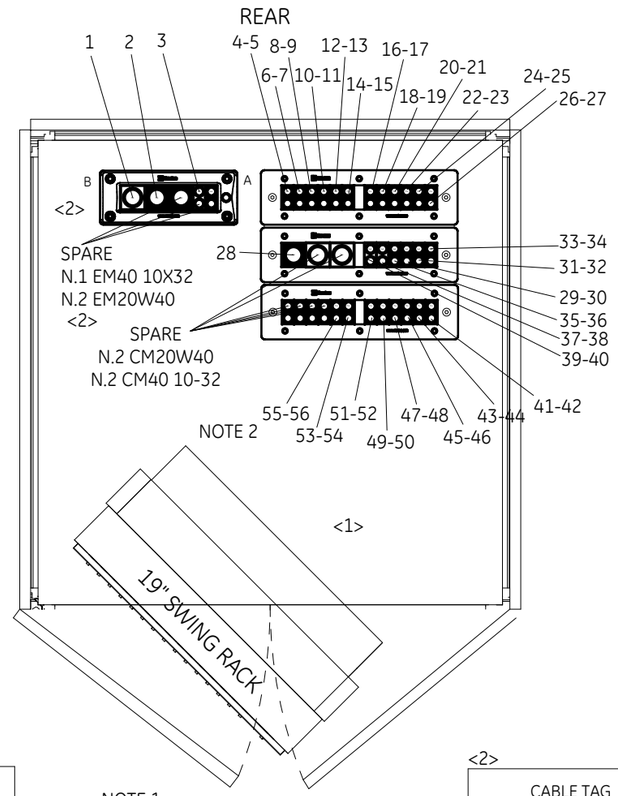
EXTERNAL TOP VIEW

REAR



FRONT

EXTERNAL TOP VIEW (DOOR OPEN)

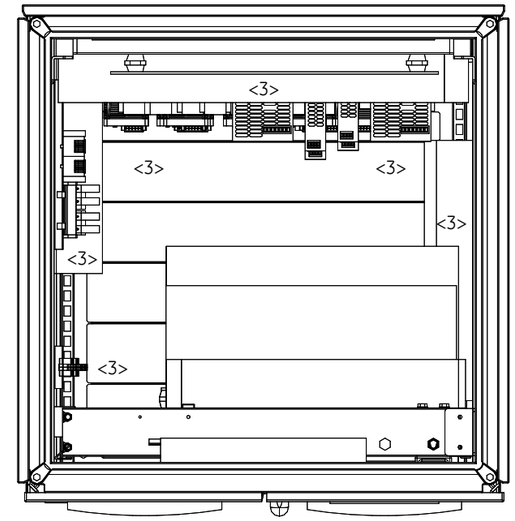


NOTE 1

FRONT

INTERNAL TOP VIEW

REAR



FRONT

<2>

CABLE TAG	CABLE TYPE	OUTER CABLE DIAMETER (mm)	MCT SIZE	LOC.	POS.
B100-HSB-001/B400-NET-001	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	4
B200-HSB-001/B400-NET-001	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	5
B300-HSB-001/B400-NET-001	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	6
P320PLC/B400-NET-001.01	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	7
P320PLC/B400-NET-001.02	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	8
20-UCP-001/B400-NET-001.01	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	9
20-UCP-001/B400-NET-001.02	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	10
80-UCP-001/B400-NET-001.01	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	11
80-UCP-001/B400-NET-001.02	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	12
50-LP-001/B400-NET-001	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	13
63-LP-001/B400-NET-001	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	14
64-LP-001/B400-NET-001	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	15
HNA6/B400-NET-001	FO12 OS2, ARM, F.Ret, YELLOW, NIS	8.5	CM20W40	A	32
X-FAULT-NET/B400-NET-001	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	CM20W40	A	28
84403-CEL	3G2.5	15.5	EM40 10x32	B	1
84404-CEL	3G2.5	15.5	EM40 10x32	B	2
83108-CEL	3G2.5	13	EM20W40	B	3

<2>

CABLE TAG	CABLE TYPE	OUTER CABLE DIAMETER (mm)	MCT SIZE	LOC.	POS.
CP-100E1/B400-NET-001.01	FO12 OM2, ARM, F.Ret, ORANGE, NIS	8.5	CM20W40	A	33
CP-100E1/B400-NET-001.02	FO12 OM2, ARM, F.Ret, ORANGE, NIS	8.5	CM20W40	A	34
SG-100D1/B400-NET-001.01	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	16
SG-100D1/B400-NET-001.02	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	17
SG-100D1/B400-NET-001.03	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	18
SG-200N1/B400-NET-001.01	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	19
SG-200N1/B400-NET-001.02	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	20
SG-200N1/B400-NET-001.03	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	21
SG-200D2/B400-NET-001	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	22
UP-200F1/B400-NET-001.01	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	23
UP-200F1/B400-NET-001.02	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	24
UP-200F3/B400-NET-001.01	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	25
UP-200F3/B400-NET-001.02	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	26
UP-200F4/B400-NET-001.01	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	27
UP-200F4/B400-NET-001.02	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	29
TR-100AD1AVR/B400-NET-001	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	30
B400-HSB-001/B400-NET-001	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREEN, NIS	10.7	CM20W40	A	31

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

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

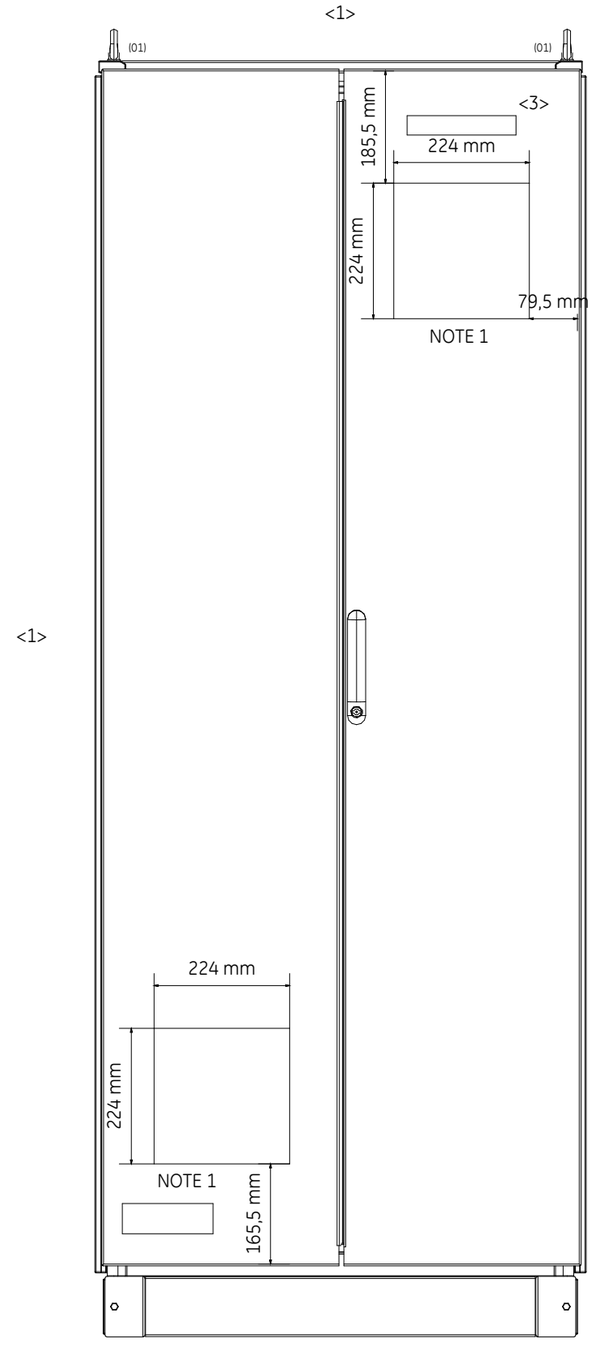
A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 025

REV. 3

NETWORK PANEL - FRONT DOOR CUT-OUT DETAILS



NOTE 1 : CUT-OUT FOR AIR VENTILATION FILTER

DRAWING SCALE 1:10

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND | ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
NETWORK - FRONT DOOR CUT-OUT DETAILS

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

SCALE : 1

A3

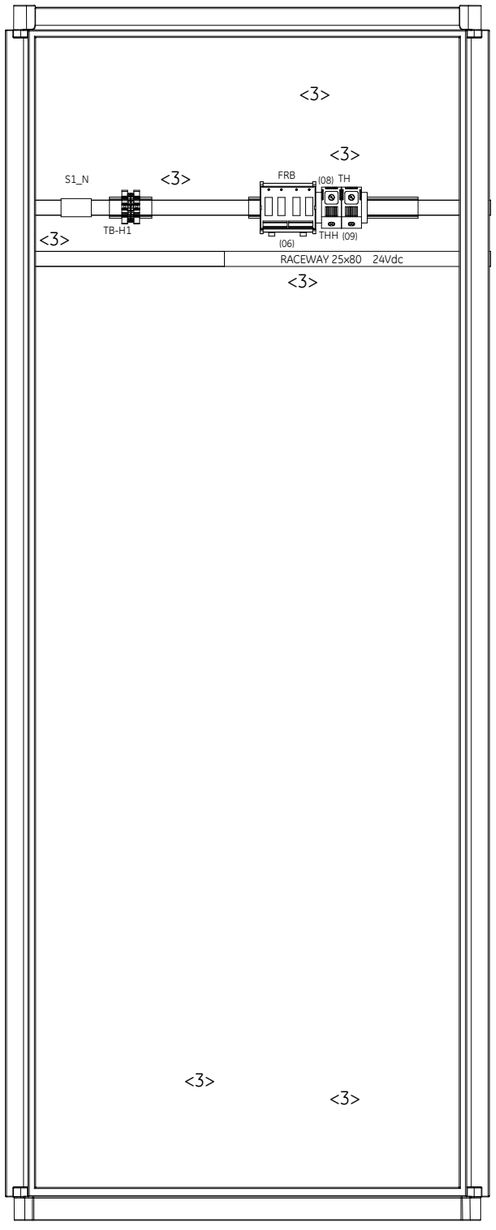
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SHEET 026

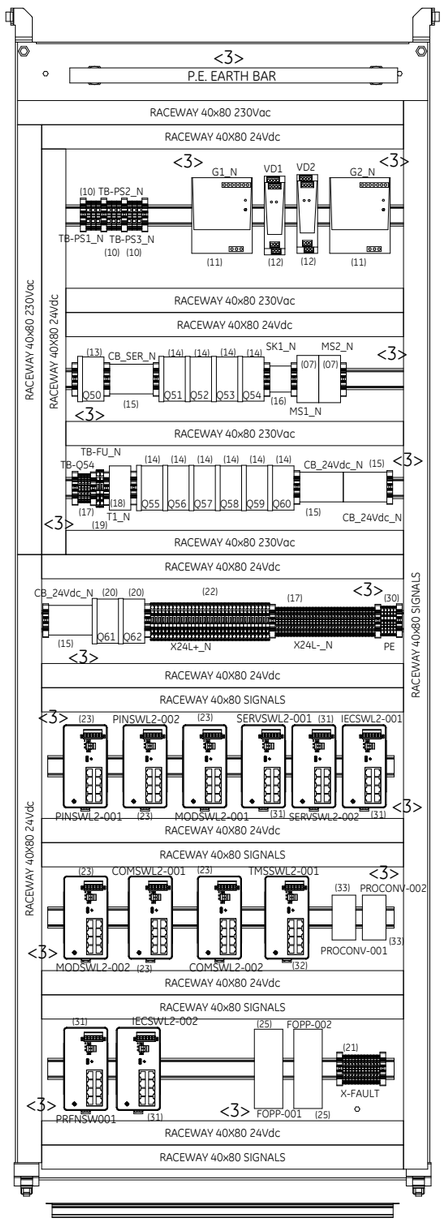
REV. 3

NETWORK PANEL - FRONT SIDE INTERNAL VIEW

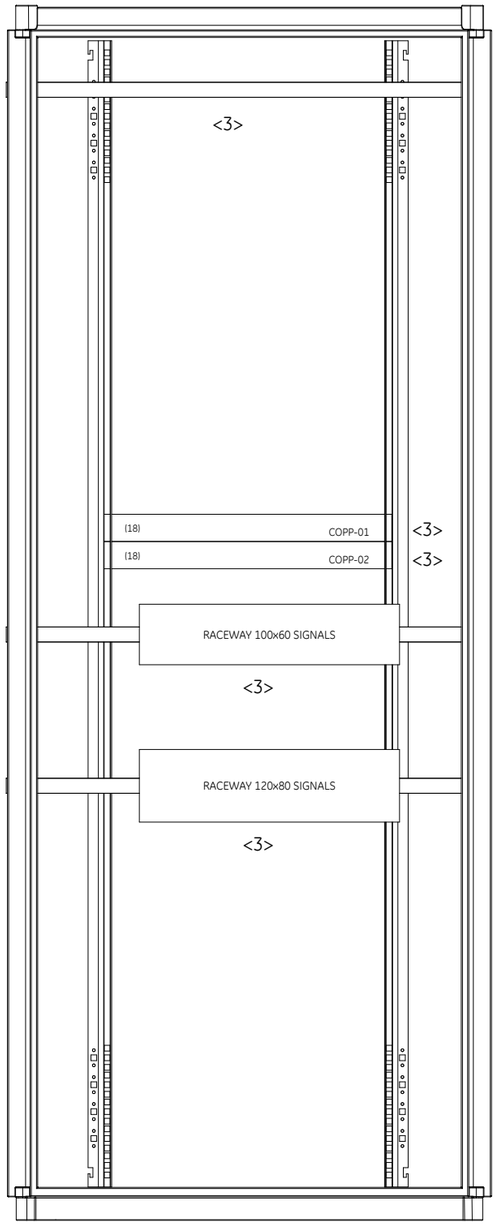
LEFT SIDE



FRONT PLATE



RIGHT SIDE



DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

A3

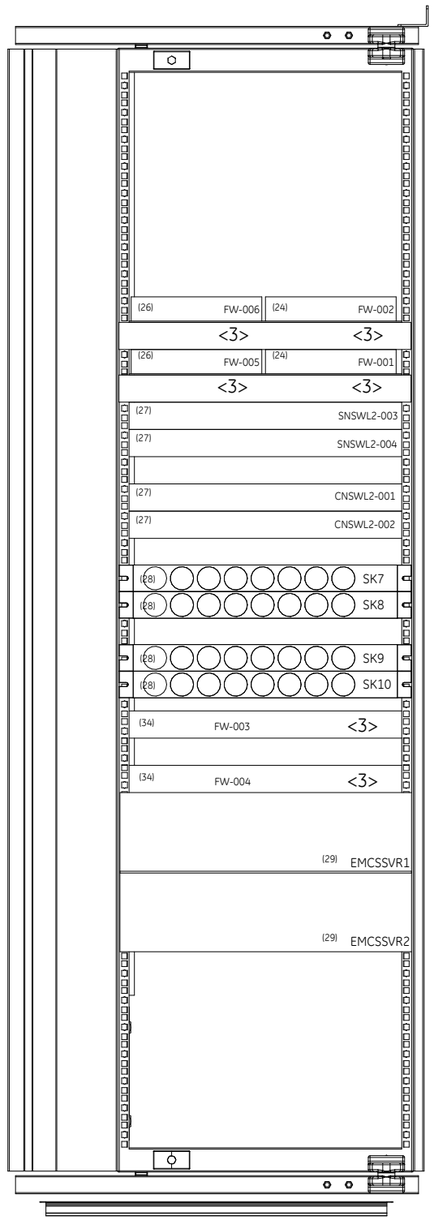
DRAWING NO. 1724000594-IN-DA-00011

SHEET 027

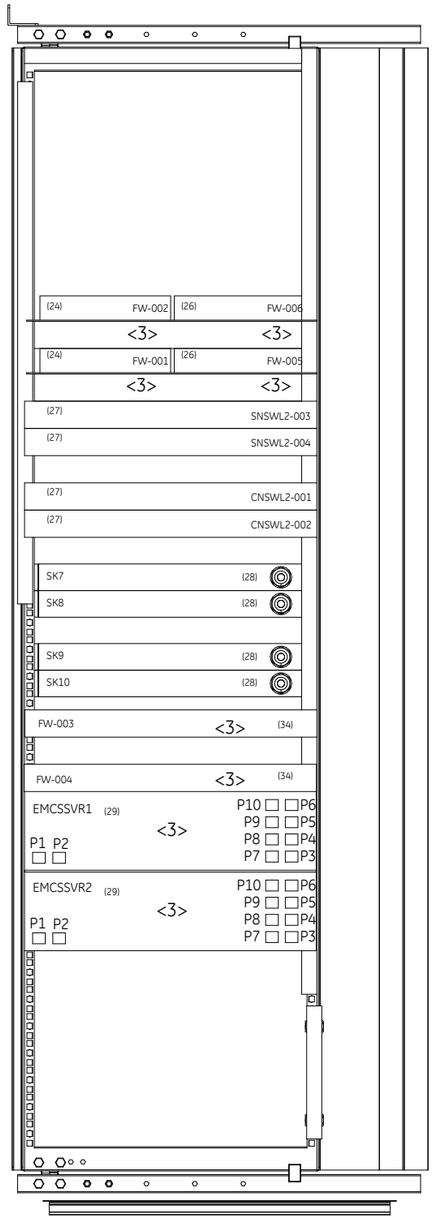
REV. 3

NETWORK PANEL - FRONT SIDE SWING RACK INTERNAL VIEW

FRONT RACK



REAR RACK



DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
& WIRING DIAGRAM
NETWORK - 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-00011

SHEET 028

REV. 3

SHEET LEFT INTENTIONALLY BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 029

REV. 3

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-ITER_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-00011

SHEET 030

REV. 3

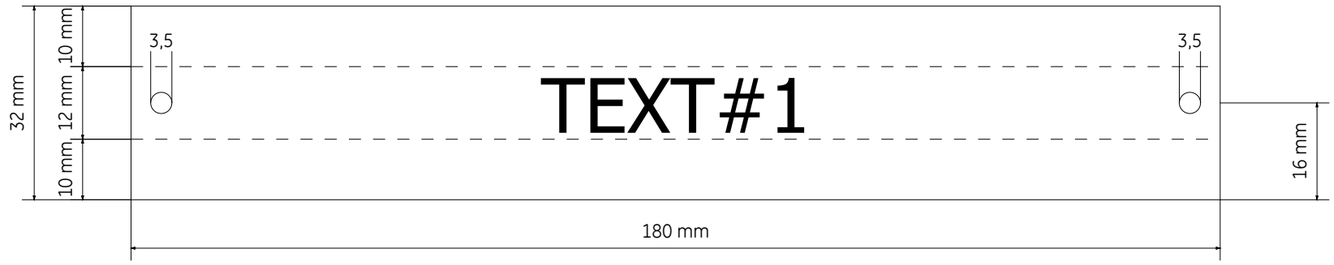
SERVER AND NETWORK PANEL - SECTION IDENTIFIER NAMEPLATE DETAILS

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
SERVER	B400-SRV-001
NETWORK	B400-NET-001

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_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-00011

SHEET 031

REV. 3

SHEET LEFT INTENTIONALLY BLANK

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_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-00011

SHEET 032

REV. 3

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

PREI

PROGETTAZIONE E
REALIZZAZIONI
INDUSTRIALI

CE

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

CUSTOMER PURCHASE ORDER: 4511988955

CUSTOMER JOB N°: E366772C00

REFERENCE DRAWINGS : 1724000594-IN-DG-00011 - OUTLINE DRAWING

1724000594-IN-DA-00022 - 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

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	15.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
2	19.09.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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0	10.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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-00011

SHEET 033

REV. 3

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	1	DETAILS ON SHEET 033 <1> TYPICAL 02
03	SECTION IDENTIFICATION LABEL -	MANUFACTURER STANDARD	NA001_03	1	DETAILS ON SHEET 028 TYPICAL 03
04	- <2> -	- <2>	- <2>	- <2>	- - <2>
05	FEED-THROUGH TYPE TERMINAL SCREW TYPE - GREY COLOUR - SECTION 6mm²	PHOENIX CONTACT UT 6	NA001_05	9	TB-PS1_S ÷ TB-PS3_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 06	ROTATIVE SWITCH 32A 3P <1> -	LOVATO G032A <1>	NA001_06	2	MS1_S - MS2_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED <1>
07	2 POLES COMMON BOX - 7 CONNECTION EACH POLE -	CABUR QBLOCK2P100A7	NA001_07	3 <3>	<3> CB_UPS1_S - CB_UPS2_S - CB_SER_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
08	PURE Id CIRCUIT BREAKER WITH AUXILIARY CONTACT 2 POLES - 240Vac - 50Hz - 25A - Id: 30mA	EATON FAZ SERIES	NA001_08	1	Q1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
09	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAKER - 115Vac / 240Vac <2> WITH AUXILIARY CONTACT <3>	EATON FAZ SERIES	NA001_09	7 <3>	Q2 ÷ Q8 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 10	- -	-	-	-	- -
11	SERVICE SOCKET INCLUDING SOCKET DIN MOUNTING KIT	MANUFACTURER STANDARD	NA001_11	1	SK1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
12	SERVER (CI-CORE & IAMS) -	<2> DELL GP4SY	NA001_12	3	<2> CISVR01-CISVR02-IAMSSVR (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
13	SERVER (PCS + SIS, FGS) <2> -	<2> DELL GP4SY	NA001_13	1	<2> EWS0164 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
14	KVM MONITOR <3> -	DELL KMMLED185 <3>	NA001_14	1	<3> KVM MONITOR (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-ITER_NLO

CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 034

REV. 3

SERVER PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
15	LANTIME NTP SERVER INCOL.2x 10/100 MBIT PORTS + GPS ANTENNA -	<2> MEINBERG LANTIME M1000-IMS	NA001_15	1	<2> TMSVR01 (INTERNAL LABEL) <3> EXTERNAL LABEL NOT REQUIRED
16	RACKMOUNT DISTRIBUTION SOCKETS -	MANUFACTURER STANDARD	NA001_16	4 <2>	<2> SK2÷SK5 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 17	KVM SWITCH -	DELL AV2108	NA001_17	1	KVM SWITCH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 18	ETHERNET PATCH PANEL -	MANUFACTURER STANDARD	NA001_18	2	COPP-01 - COPP-02 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
19	- -	-	-	-	- -
20	- -	-	-	-	- -
21	- -	-	-	-	- -
22	- -	-	-	-	- -
23	- -	-	-	-	- -
24	- -	-	-	-	- -
25	- -	-	-	-	- -
26	- -	-	-	-	- -
27	- -	-	-	-	- -
28	- -	-	-	-	- -

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CROSSWIND

ROSETTI MARINO

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

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 035

REV. 3

NETWORK 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	1	DETAILS ON SHEET 033 <1> TYPICAL 02
03	SECTION IDENTIFICATION LABEL -	MANUFACTURER STANDARD	NA001_03	1	DETAILS ON SHEET 028 TYPICAL 03
04	AIR INLET FILTER -	AUGER STANDARD	NA001_04	1	MECHANICAL PART NAMEPLATE NOT REQUIRED
05	FRONT-MOUNTED AIR EXTRACTOR FAN (SUPPLIED WITH AIR FILTER) -	AUGER STANDARD	NA001_05	1	EV (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
06	PRE-ASSEMBLED RELAY BOARD FOR FAN FAULT CIRCUIT -	PREI	NA001_06	1	FRB (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 07	ROTATIVE SWITCH 32A 3P <1> -	LOVATO G032A <1>	NA001_07 <1>	2 <1>	MS1_N - MS2_N (INTERNAL LABEL) <1> EXTERNAL LABEL NOT REQUIRED
08	THERMOSTAT FOR FAN ON/OFF CIRCUIT -	MANUFACTURER STANDAR	NA001_08	1	<1> TH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
09	THERMOSTAT FOR HIGH TEMPERATURE ALARM -	MANUFACTURER STANDARD	NA001_09	1	<1> THH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
10	FEED-THROUGH TYPE TERMINAL SCREW TYPE - GREY COLOUR - SECTION 6mm²	PHOENIX CONTACT UT 6	NA001_10	9	TB-PS1_N ÷ TB-PS3_N (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
11	POWER SUPPLY FEEDER MODULE INPUT 230Vac (AUTO-RANGING) - OUTPUT 24Vdc-20a	WEIDMULLER QUINT4-PS/1AC/24DC/20 WDM.1469510000	NA001_11	2	<3> G1_N ÷ G2_N (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
12	DECOUPLING & PROTECTIVE DIODE FOR REDUNDANCY - 24Vdc -	WEIDMULLER PRO DM 20 WDM.2486080000	NA001_12	2	VD1 - VD2 (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
13	PURE Id CIRCUIT BREAKER WITH AUXILIARY CONTACT 2 POLES - 240Vac - 50Hz - 25A - Id: 30mA	EATON FAZ SERIES	NA001_13	1	Q50 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
14	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAKER - 115Vac / 240Vac <1> WITH AUXILIARY CONTACT <3>	EATON FAZ SERIES	NA001_14	10 <3>	<3> Q51 ÷ Q60 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

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NETWORK MAIN COMPONENT LIST

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SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 036

REV. 3

NETWORK PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
15	2 POLES COMMON BOX - 7 CONNECTION EACH POLE -	CABUR QBLOCK2P100A7	NA001_15	2	CB_SER_N - CB_24Vdc_N (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
16	SERVICE SOCKET INCLUDING SOCKET DIN MOUNTING KIT	MANUFACTURER STANDARD	NA001_16	1	<1> SK1_N (INTERNAL LABEL) <3> EXTERNAL LABEL NOT REQUIRED
17	DISTRIBUTION TERMINALS - SCREW TYPE - SECTION 2.5mm² FEED THROUGH TYPE - GREY COLOUR	PHOENIX CONTACT UT 2.5 PXC.3044076	NA001_17	36 <3>	<3> TB-Q54 - X24L-N (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
18	TRASFORMER 240Vac / 24Vac - 50Hz -	ABB TM10 EA2616	NA001_18	1	T1_N (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
19	TERMINALS - SCREW TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	PHOENIX CONTACT UT 4 HESI PXC.3046032	NA001_19	2	TB-FU_N (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 20	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAKER - 24Vdc WITH AUXILIARY CONTACT	EATON FAZ SERIES	NA001_20	2	Q61 ÷ Q62 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
21	TERMINALS - SCREW TYPE - SECTION 2.5mm² <1> KNIFE DISCONNECT TYPE - GREY COLOUR <1>	PHOENIX CONTACT UT 2.5 MT <1> PXC.3045362	NA001_21	12 <1>	<1> X-FAULT (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
22	DISTRIBUTION TERMINALS - FUSED TYPE - SECTION 4mm² <1> FUSED TYPE - BLACK COLOUR <1>	PHOENIX CONTACT <1> UT 4-HESI PXC.3046032	NA001_22	<3> 32 <1>	<1> X24L+N (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
23	MANAGED SWITCH 24 PORT 2XSFP -	HIRSCHMANN <1> BRS40-0024 <3>	NA001_23	6 <3>	<1> COMSWL2-001÷002 - MODSWL2-001÷002 - PINSWL2-001÷002 (INTERNAL LABEL) <3> EXTERNAL LABEL NOT REQUIRED
24	FORTIGATE FIREWALL 8X PORTS -	FORTINET <1> FG-80F	NA001_26	2	<1> FW-001÷FW-002 (INTERNAL LABEL) <3> EXTERNAL LABEL NOT REQUIRED
25	PATCH PANEL 12X LC DUPLEX <1> -	TECNOFIBER <1> TCK-LAN	NA001_25	2	<1> FOPP-001-FOPP-002 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
26	FORTIGATE FIREWALL 4X PORTS -	FORTINET <1> FG-40F	NA001_26	2	<1> FW-005÷FW-006 (INTERNAL LABEL) <3> EXTERNAL LABEL NOT REQUIRED
27	SWITCH 24 PORT (Vnet / IP) -	YOKOGAWA <1> GRS105	NA001_27	4	<1> SNSWL2-003÷004-CNSWL2-001÷002 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
28	RACKMOUNT DISTRIBUTION SOCKETS -	MANUFACTURER STANDAR	NA001_28	4	<1> SK7÷SK10 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

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ROSETTI MARINO

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NETWORK MAIN COMPONENT LIST

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SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 037

REV. 3

NETWORK PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
29	PPC Industrial PC -	SEL <1> SEL-3555	NA001_29	2	<1> EMCSSVR1 - EMCSSVR2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 30	PE TERMINALS -	PHOENIX CONTACT UT 2.5 PE PXC.3044092	NA001_30	5	PE (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 31	ETHERNET SWITCH 12 PORT -	HIRSCHMANN BRS40-0012	NA001_31	5	SERVSWL2-001÷002 - IECSWL2-001÷002 - PRFNSW001 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 32	ETHERNET SWITCH 16 PORT -	HIRSCHMANN BRS40-0016	NA001_32	1	TMSSWL2-001 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 33	PROFINET CONVERTER -	MOXA 5103T	NA001_33	2	PROCONV-001÷PROCONV-002 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<3> 34	FIREWALL 20 PORT -	FORTIGATE 100F	NA001_34	2	FW-003÷FW-004 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
35	- -	-	NA001_35	-	- -
36	- -	-	NA001_36	-	- -
37	- -	-	NA001_37	-	- -
38	- -	-	NA001_38	-	- -
39	- -	-	NA001_39	-	- -
40	- -	-	NA001_40	-	- -
41	- -	-	NA001_41	-	- -
42	- -	-	NA001_42	-	- -

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SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00011

SHEET 038

REV. 3