BASE LOAD POWER HUB (BLPH)
PCS CABINETS
GENERAL ARRANGEMENT
DRAWINGS AND
INTERNAL LAYOUT

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	29.08.2025	AMA	MGA	MDO	AS BUILT (ASB)
2	11.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
COVER PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

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		X						BASE LOAD POWER HUB (BLPH) TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS
006	X	X	X	X						BASE LOAD POWER HUB (BLPH) EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW
007	X		X	X						BASE LOAD POWER HUB (BLPH) EXTERNAL LEFT SIDE & RIGHT SIDE VIEW
008	X	X	X	X						BASE LOAD POWER HUB (BLPH) EXTERNAL REAR VIEW
009	X	X	X	X						BASE LOAD POWER HUB (BLPH) BASEPLATE DETAILS
010	X	X	X	X						BASE LOAD POWER HUB (BLPH) EXTERNAL & INTERNAL TOP VIEW
011	X	X	X	X						BASE LOAD POWER HUB (BLPH) EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST
012	X	X	X	X						BASE LOAD POWER HUB (BLPH) LIFTING DETAILS
013	X	X	X	X						BASE LOAD POWER HUB (BLPH) FRONT DOOR CUT-OUT DETAILS
014	X	X	X	X						BASE LOAD POWER HUB (BLPH) FRONT SIDE INTERNAL VIEWS
015	X			X						BASE LOAD POWER HUB (BLPH) SPARE PAGE
016	X			X						BASE LOAD POWER HUB (BLPH) MANUFACTURER LABEL DETAILS
017	X	X	X	X						BASE LOAD POWER HUB (BLPH) SECTION IDENTIFIER NAMEPLATE DETAILS
018	X			X						BASE LOAD POWER HUB (BLPH) SPARE PAGE
019	X		X	X						BASE LOAD POWER HUB (BLPH) CERTIFICATION LABEL
020	X	X	X	X						BASE LOAD POWER HUB (BLPH) MAIN COMPONENT LIST

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

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

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CROSSWIND

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TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
INDEX

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

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	■ 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	
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 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	■ MCT
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	500 Kg		

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)
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	1,2kW	1,2kW	0,6kW
D4	INTERNAL LIGHTING WITH DOOR LIMIT SWITCH OPERATION		■ LED (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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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
DATA SHEET

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

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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BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
INTERNAL WIRING INFORMATION

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

SCALE : 1

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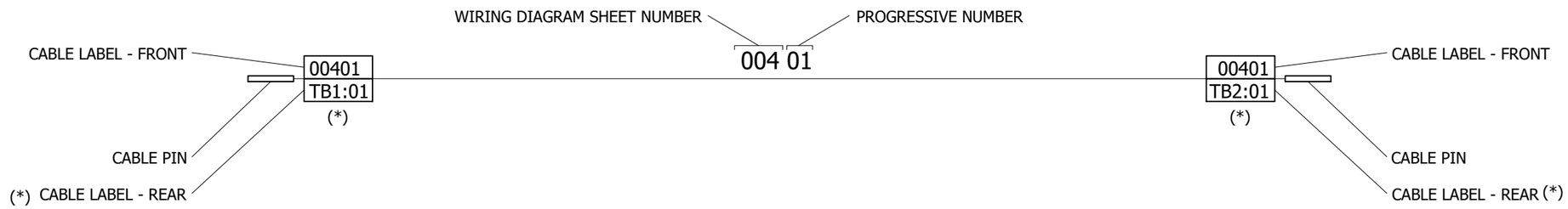
SHEET 004

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	○○○○○○○○○○○○○○○
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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PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS

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SCALE : 1

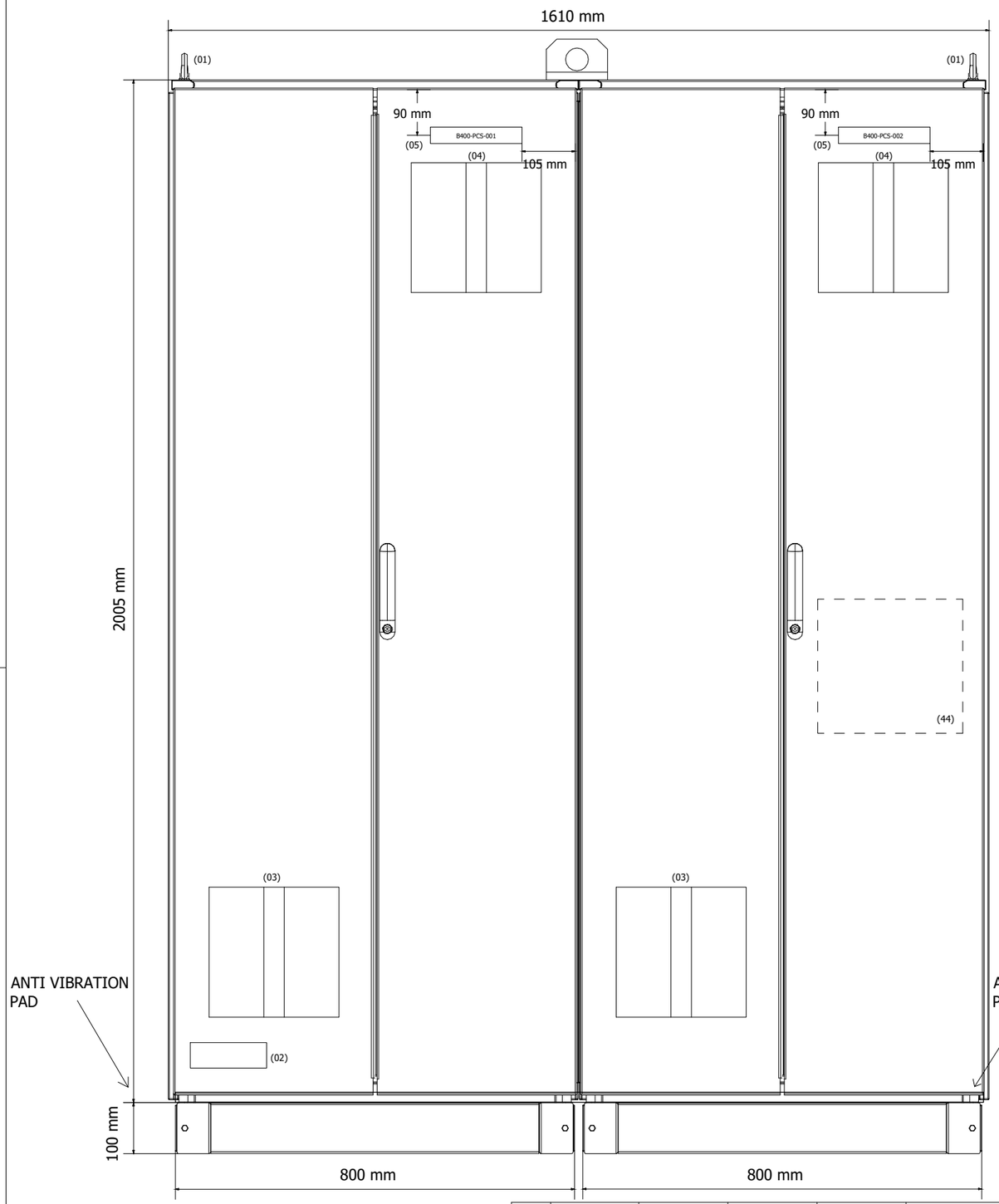
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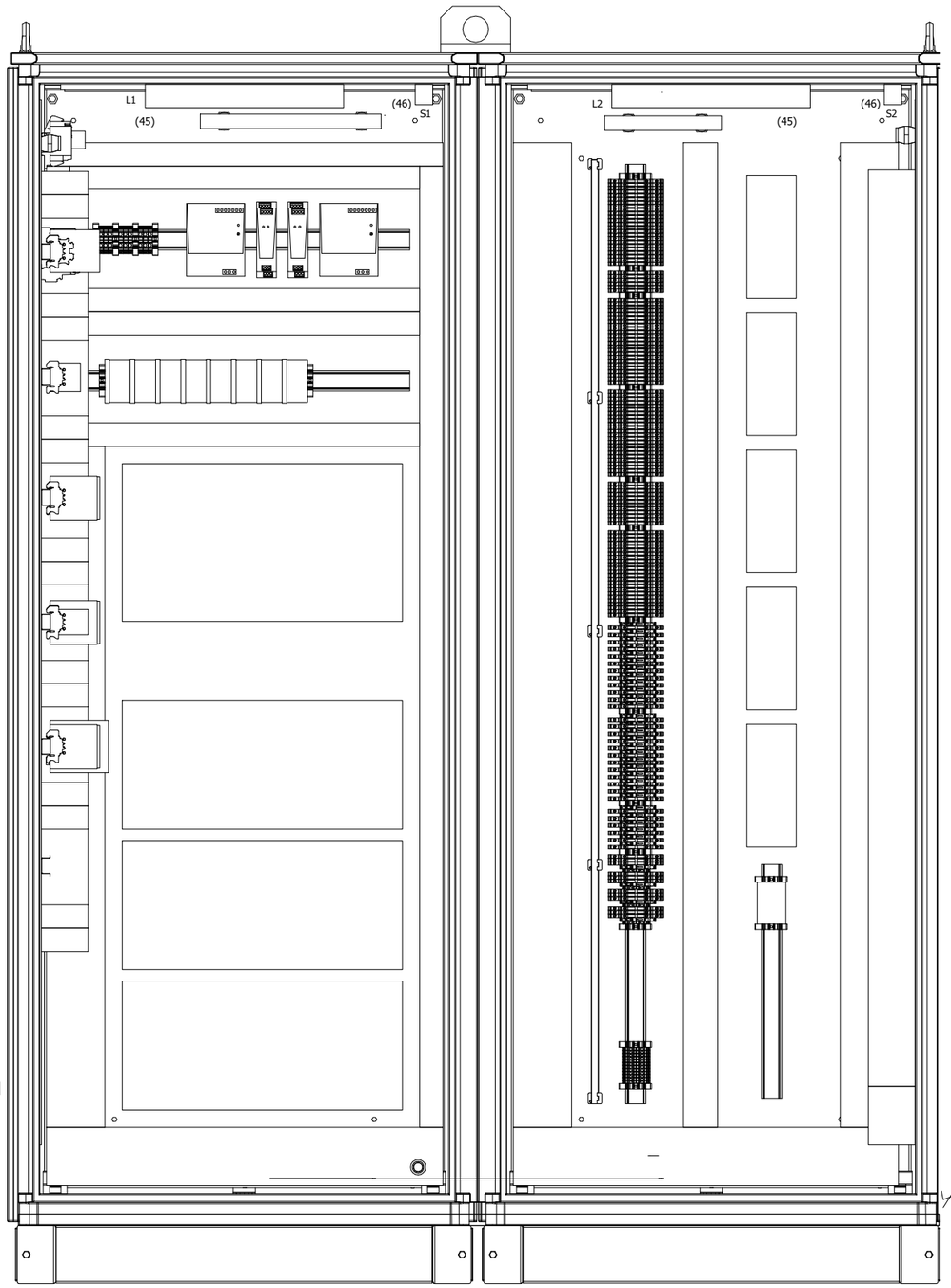
DRAWING NO. 1724000594-IN-DA-00009

SHEET 005

REV. 3

PCS PANEL - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW





DRAWING SCALE 1:10

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EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW

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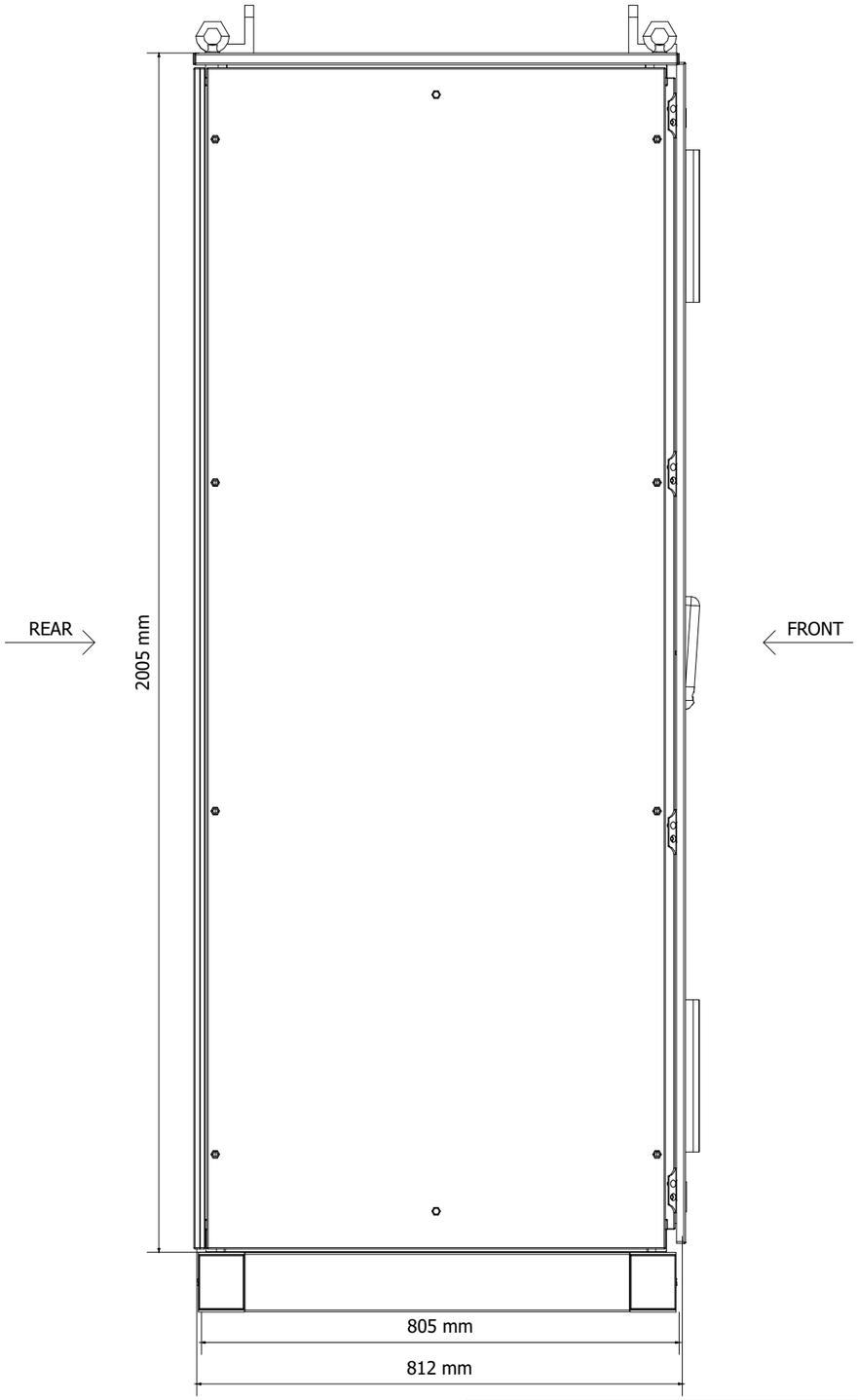
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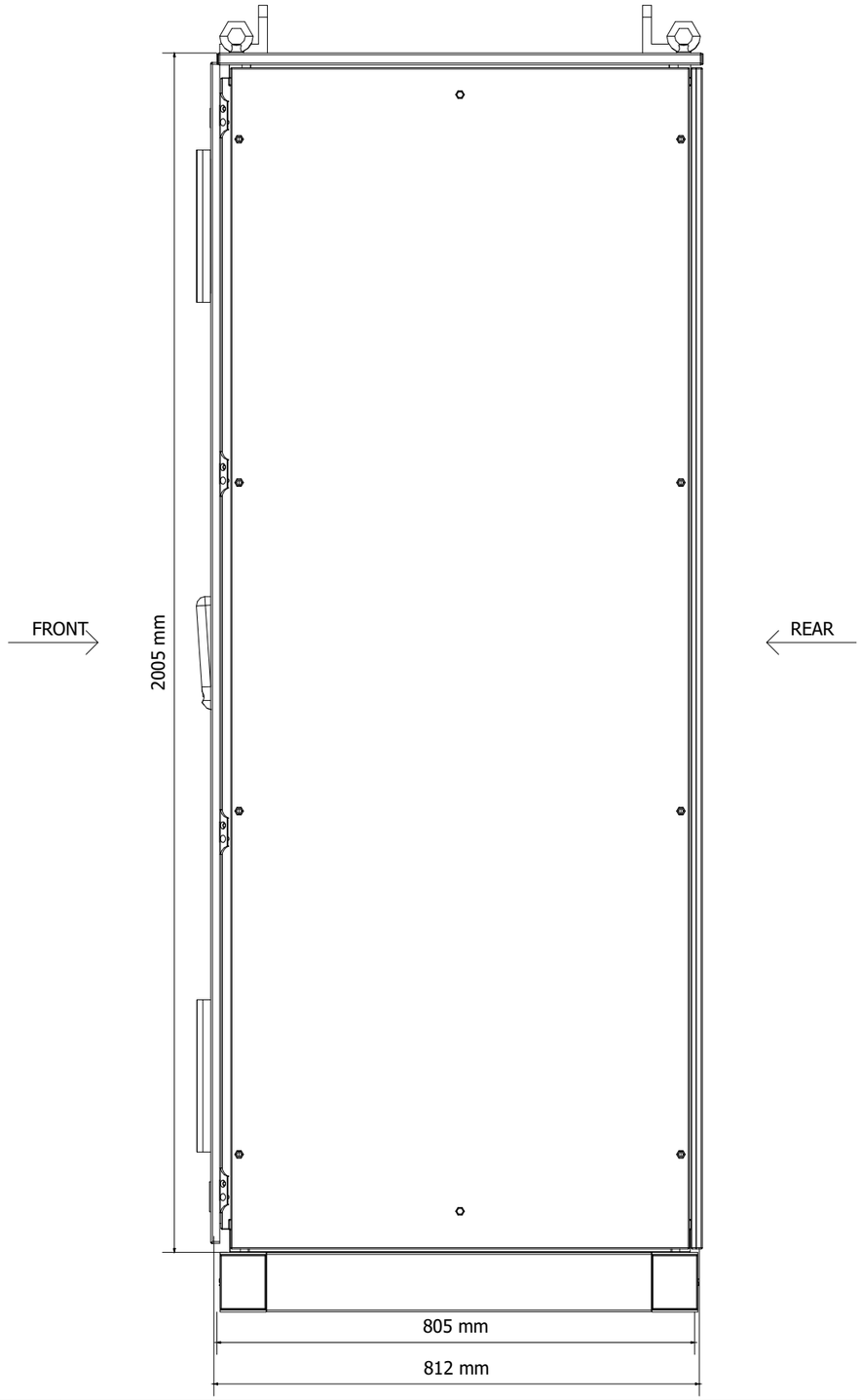
DRAWING NO. 1724000594-IN-DA-00009

SHEET 006

REV. 3

PCS PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW





DRAWING SCALE 1:10

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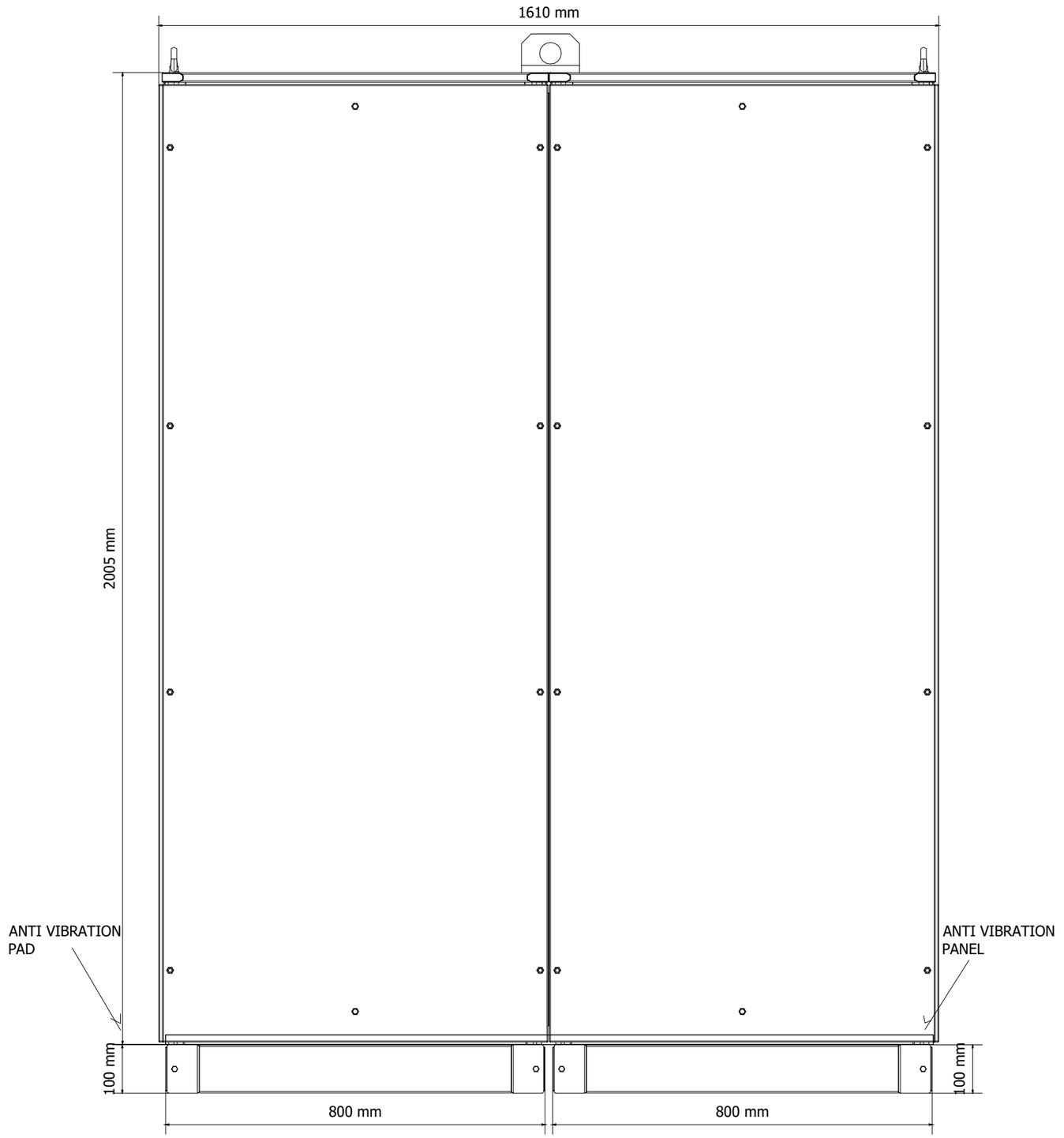
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DRAWING NO. 1724000594-IN-DA-00009

SHEET 007

REV. 3

PCS PANEL - EXTERNAL REAR VIEW



DRAWING SCALE 1:10

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EXTERNAL REAR VIEW

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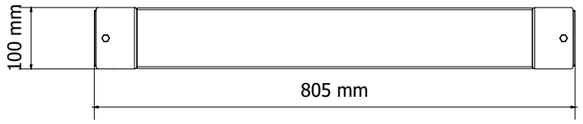
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SHEET 008

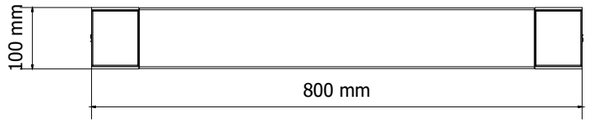
REV. 3

PCS PANEL - BASEPLATE DETAILS

BASEPLATE SIDE VIEW

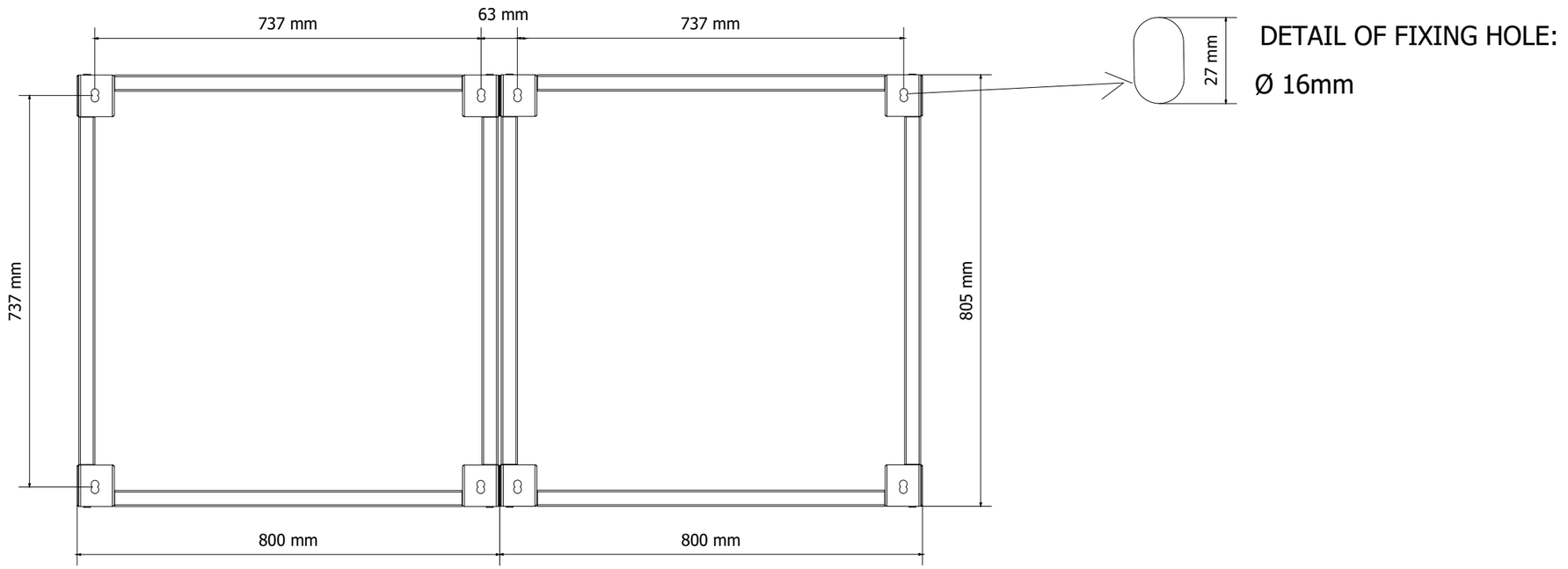


BASEPLATE FRONT VIEW



BASEPLATE BOTTOM VIEW

REAR SIDE



DETAIL OF FIXING HOLE:

Ø 16mm

FRONT SIDE

NOTE:
TO BE CONSIDERED FOR EACH COLUMN
DRAWING SCALE 1:10

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BASEPLATE DETAILS

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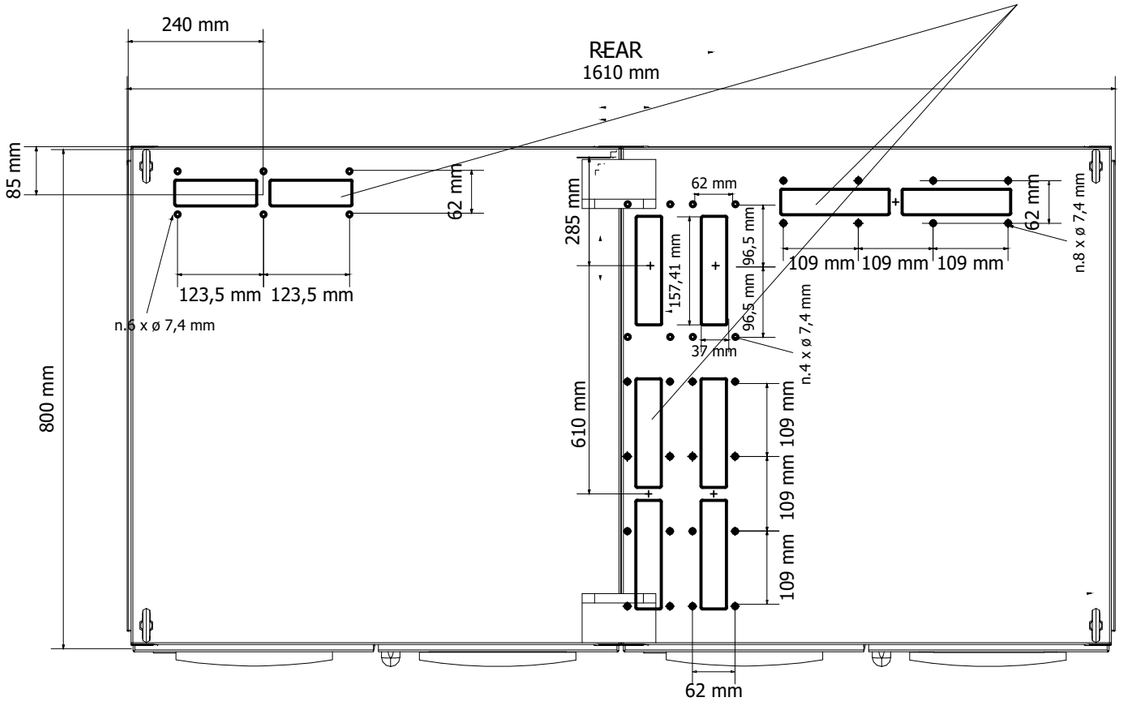
SHEET 009

REV. 3

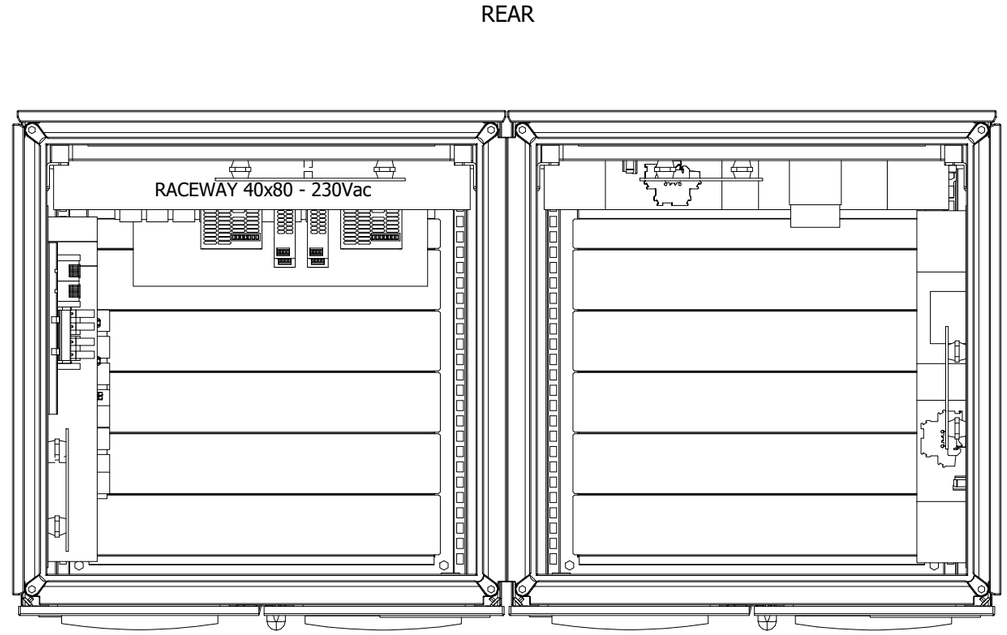
PCS PANEL - EXTERNAL & INTERNAL TOP VIEW

EXTERNAL TOP VIEW

CABLE ENTRY



INTERNAL TOP VIEW



DRAWING SCALE 1:10

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0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL & INTERNAL TOP VIEW

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

SCALE : 1

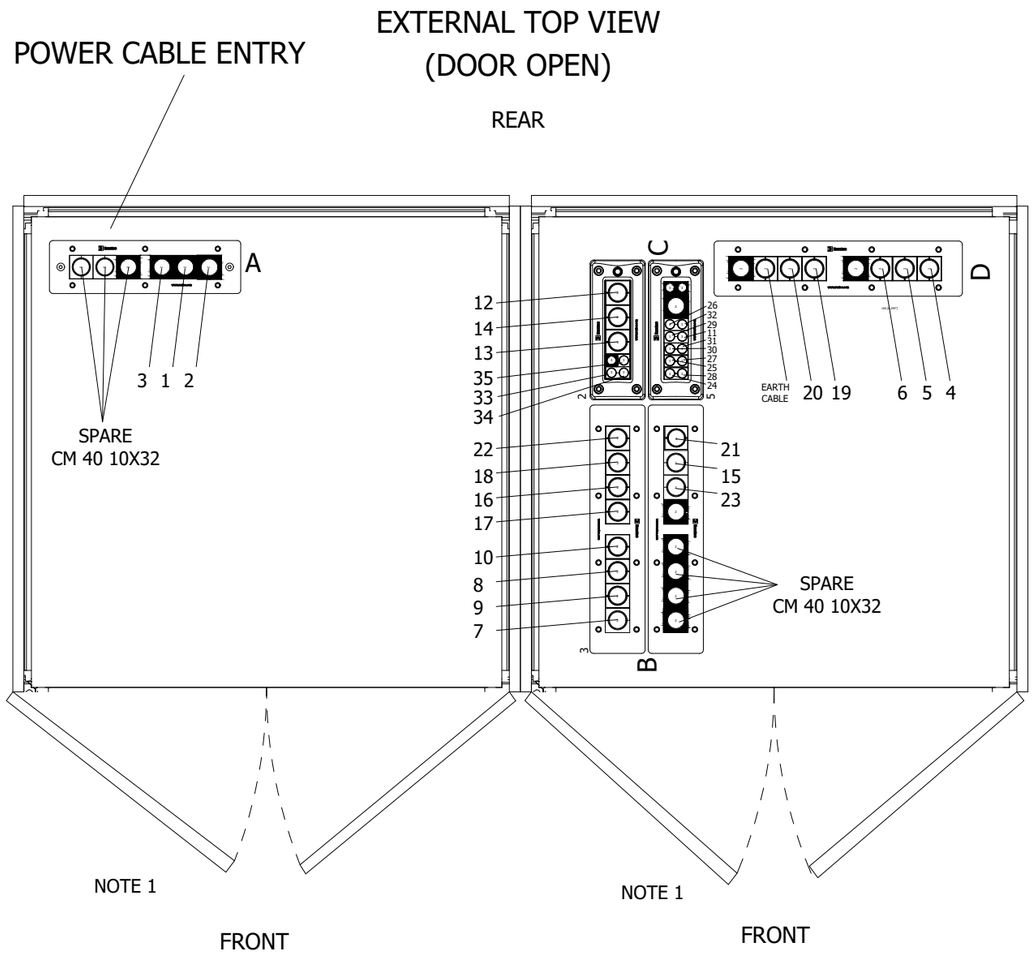
A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 010

REV. 3

PCS PANEL - EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST



CABLE TAG	CABLE TYPE	OUTER CABLE DIAMETER (mm)	MCT SIZE	LOCATION	POSITION
00-JE-11001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	EM 40 10X32	C	4
00-JE-11001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	EM 40 10X32	C	5
00-JE-11002/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	EM 40 10X32	C	6
00-JE-11003_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	EM 40 10X32	C	7
00-JE-11003_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	EM 40 10X32	C	8
00-JE-11004/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	EM 40 10X32	C	9
00-JE-11005/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	EM 40 10X32	C	10
C-63-PT-003/B400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	EM 40 10X32	C	11
00-JE-12001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	CM 40	B	12
00-JE-12001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	CM 40	B	13
00-JE-12002/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	CM 40 10X32	B	14
00-JE-12003/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	CM 40 10X32	B	15
00-JE-12004_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	CM 40	B	16
00-JE-12004_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	CM 40	B	17
00-JE-12005/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	CM 40	B	18
00-JE-12006_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	CM 40	B	19
00-JE-12006_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	CM 40	B	20
00-JE-13001/B400-PCS-002	24x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	27.8	CM 40	B	21
00-JE-13002/B400-PCS-002	24x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	27.8	CM 40 10X32	B	22
00-JE-13003/B400-PCS-002	12x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	20.8	CM 40 10X32	B	23
C-B100-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	CM 20W40	D	24
C-B100-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	CM 20W40	D	25
C-B100-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	CM 20W40	D	26
C-B200-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	CM 20W40	D	27
C-B200-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	CM 20W40	D	28
C-B200-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	CM 20W40	D	29
C-B300-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	CM 20W40	D	30
C-B300-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	CM 20W40	D	31
C-B300-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	CM 20W40	D	32
C-B400-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	CM 20W40	D	33
C-B400-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	CM 20W40	D	34
C-B400-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	CM 20W40	D	35
84303-CEL	1x3x2.5mm2,ARM,ORANGE,NIS	12~15	CM 40 10X32	A	1
84304-CEL	1x3x2.5mm2,ARM,ORANGE,NIS	12~15	CM 40 10X32	A	2
83105-CEL	1x3x2.5mm2,ARM,GRAY,NIS	12~15	CM 40 10X32	A	3
B400-NET1-B1	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREY, NIS	10.7	CM 20W40	B	NOTE 2
B400-NET1-A1	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREY, NIS	10.7	CM 20W40	B	NOTE 2
B400-NET1-A2	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREY, NIS	10.7	CM 20W40	B	NOTE 2
B400-NET1-B2	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREY, NIS	10.7	CM 20W40	B	NOTE 2
B400-FLT-NET/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	CM 40 10X32	D	NOTE 2

NOTES :

NOTE 1: DOORS LOCK AT 90°

NOTE 2: BOTTOM ENTRY

DRAWING SCALE 1:10

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

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TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST

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

SCALE : 1

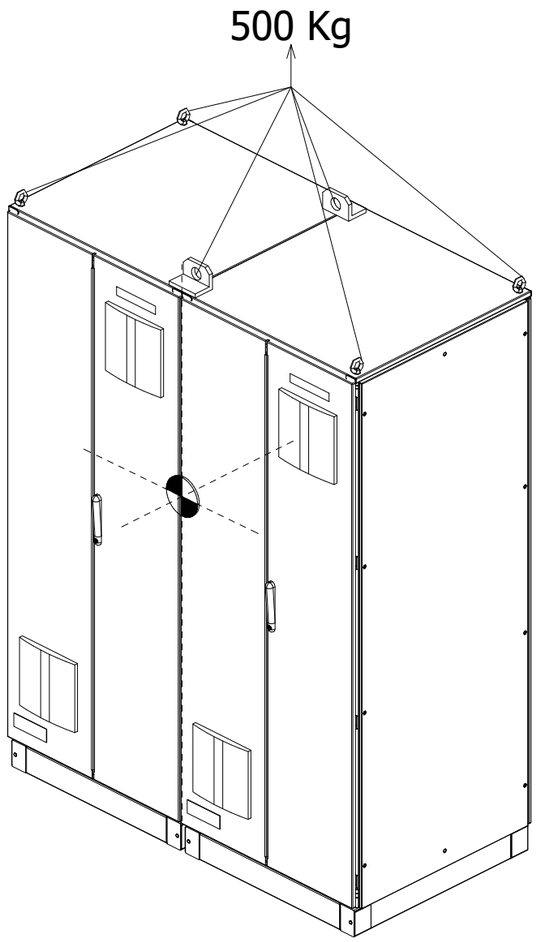
A3

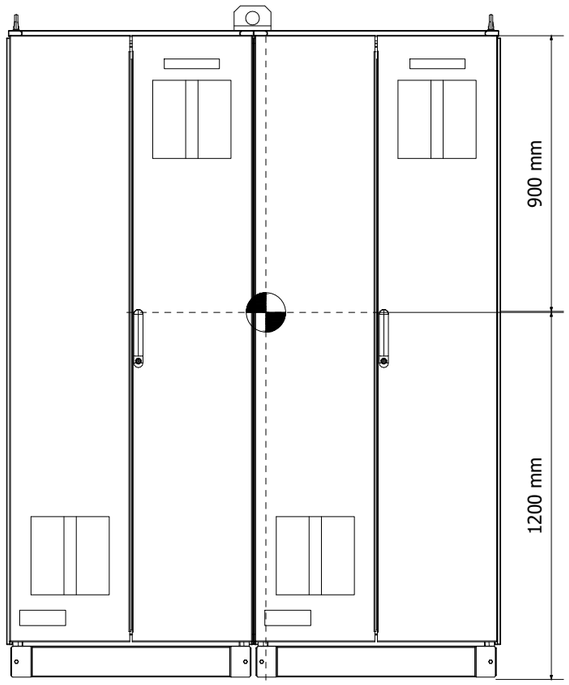
DRAWING NO. 1724000594-IN-DA-00009

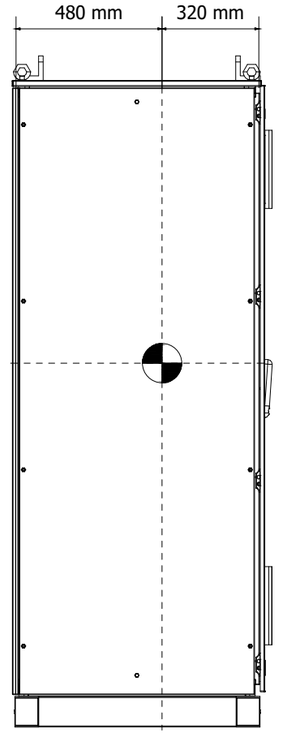
SHEET 011

REV. 3

PCS PANEL - LIFTING DETAILS







= CENTER OF GRAVITY

DRAWING SCALE 1:20
ALL QUOTES SHOWN ARE APPROXIMATE VALUE

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
LIFTING DETAILS

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

SCALE : 1

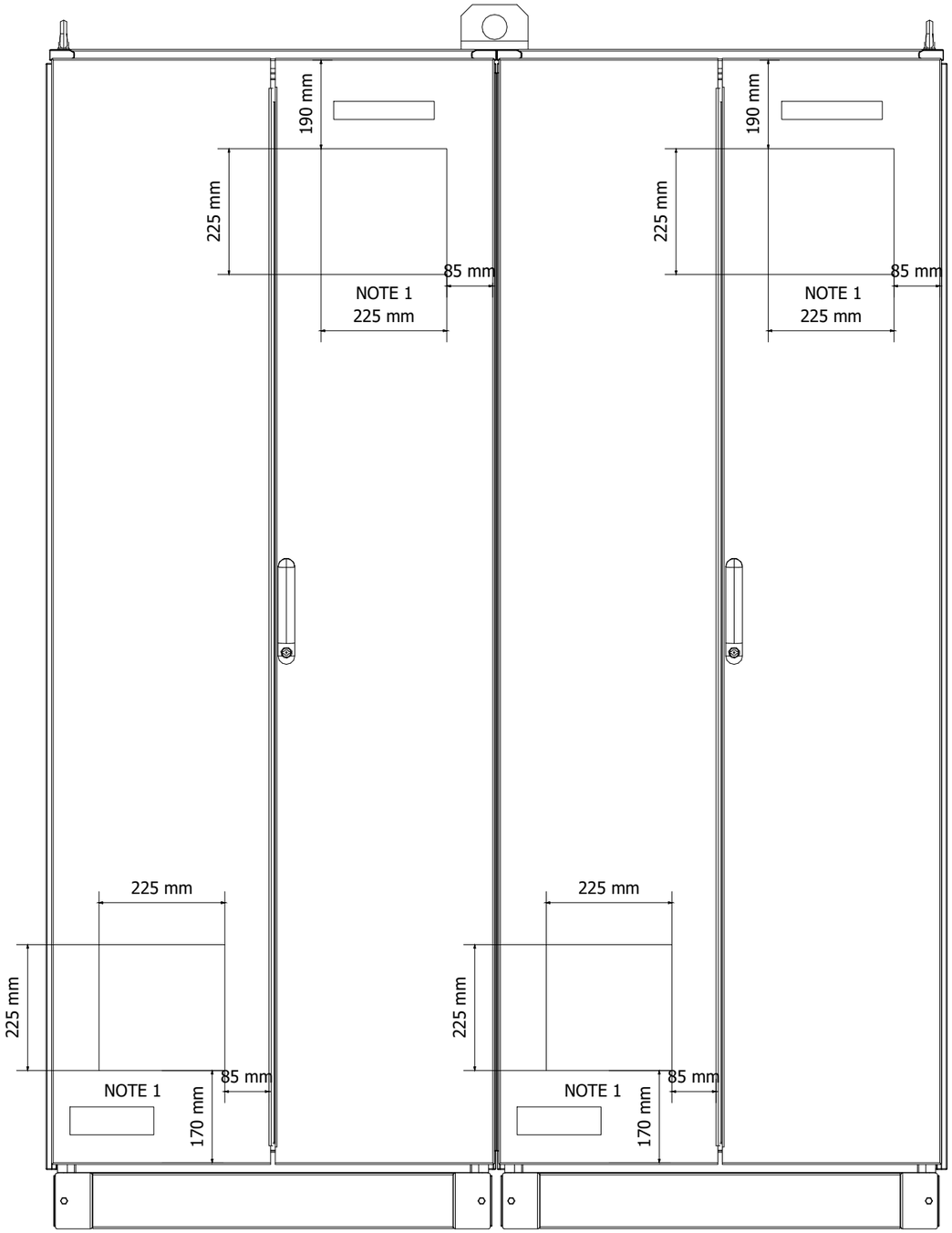
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DRAWING NO. 1724000594-IN-DA-00009

SHEET 012

REV. 3

PCS PANEL - FRONT DOOR CUT-OUT DETAILS



NOTE 1 : CUT-OUT FOR AIR VENTILATION FILTER

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA ◆ PROJECT Nr. E36672C00
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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
FRONT DOOR CUT-OUT DETAILS

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

SCALE : 1

A3

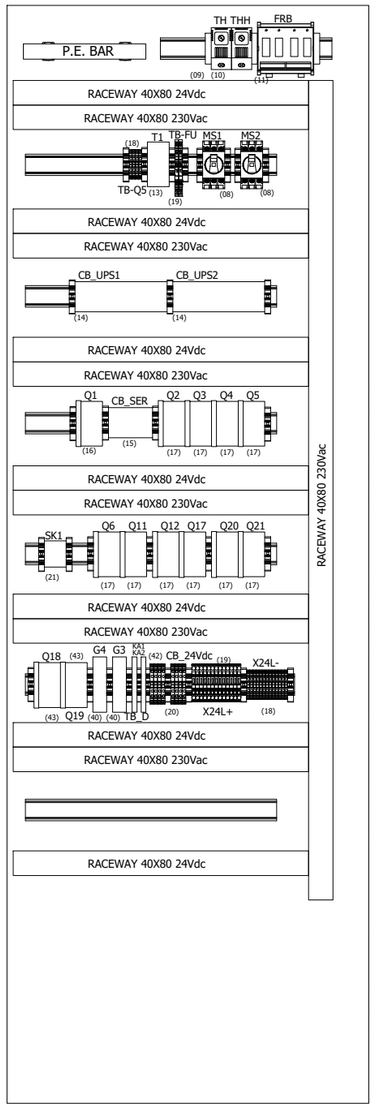
DRAWING NO. 1724000594-IN-DA-00009

SHEET 013

REV. 3

PCS PANEL - FRONT SIDE INTERNAL VIEWS

LEFT SIDE



DEVICE "1"
(22) -AFV30D-A41262
(23) -N: 4: AAI143-H53
(29) -N: 2: ADV151-P63
(24) -N: 2: EC401-51
(25) -N: 2: CP471-01
(26) -N: 2: PW482-51

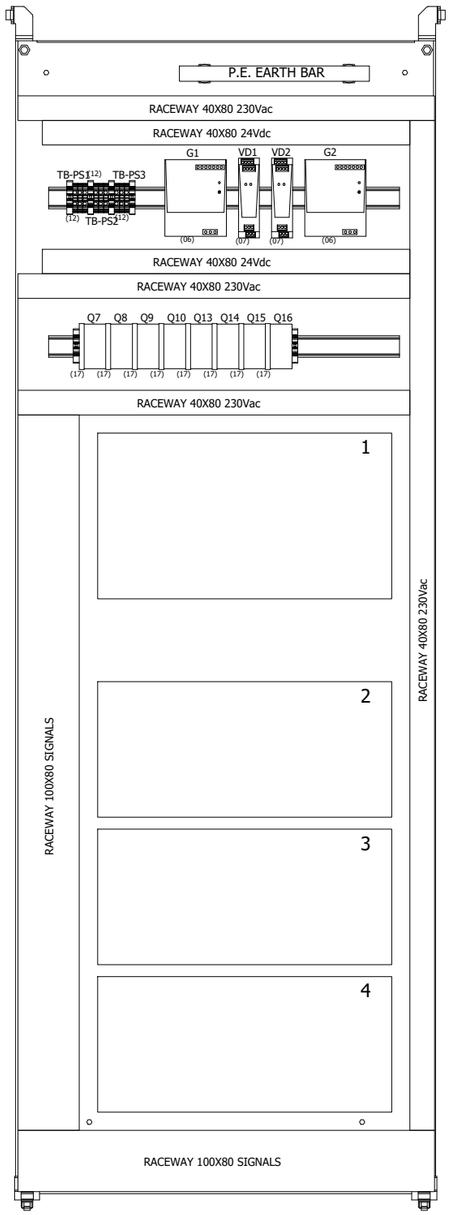
DEVICE "2"
(27) -ANB10D-426/CU2N
(23) -N: 2: AAI143-H53
(28) -N: 2: AAI543-H61
(29) -N: 2: ADV151-P63
-N: 2: SPARE
(41) -N: 2: SB401-53
(26) -N: 2: PW482-51

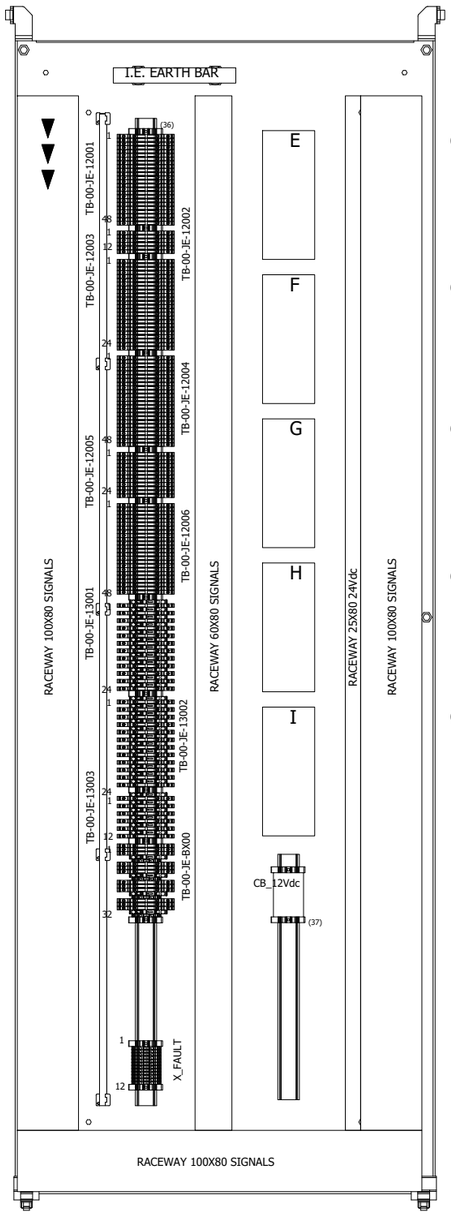
DEVICE "3"
(27) -ANB10D-426/CU2N
(23) -N: 2: AAI143-H53
(28) -N: 2: AAI543-H61
(29) -N: 2: ADV151-P63
-N: 2: SPARE
(41) -N: 2: SB401-53
(26) -N: 2: PW482-51

DEVICE "4"
(30) -ANB10D-426/CU2T
(32) -N: 3: ALE111-S51
(33) -N: 1: A2LP131-S01

(29) -N: 2: ADV151-P63
(31) -N: 2: ADV551-P63
(41) -N: 2: SB401-53
(26) -N: 2: PW482-51

FRONT PLATE





DEVICE "E"
(34) A1BD5D-06
TB-01-05

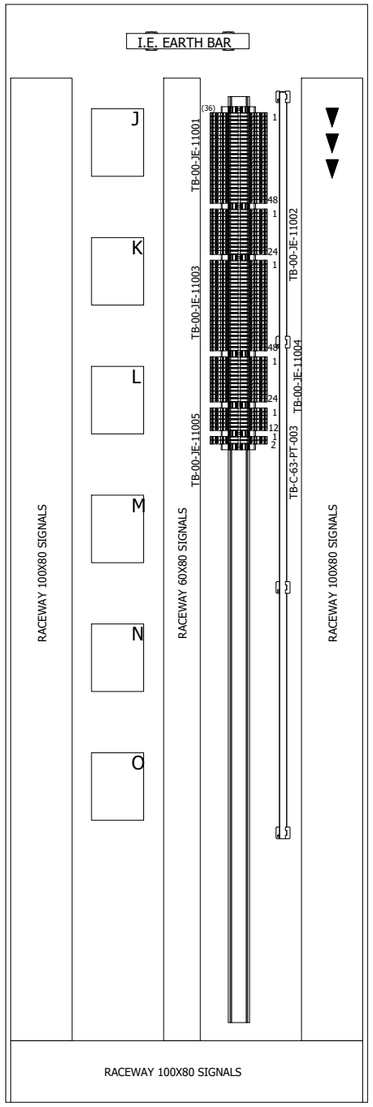
DEVICE "F"
(34) A1BD5D-06
TB-02-05

DEVICE "G"
(34) A1BD5D-06
TB-03-05

DEVICE "H"
(34) A1BD5D-06
TB-04-05

DEVICE "I"
(34) A1BD5D-06
TB-04-07

RIGHT SIDE



DEVICE "J"
(35) A1BA4D-06
TB-01-01

DEVICE "K"
(35) A1BA4D-06
TB-01-03

DEVICE "L"
(35) A1BA4D-06
TB-02-01

DEVICE "M"
(35) A1BA4D-06
TB-02-03

DEVICE "N"
(35) A1BA4D-06
TB-03-01

DEVICE "O"
(35) A1BA4D-06
TB-03-03

= CABLE ENTRY

DRAWING SCALE 1:10

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YOKOGAWA ◆ PROJECT Nr. E36672C00
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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
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-00009

SHEET 014

REV. 3

SHEET LEFT INTENTIONALLY BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 015

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-PCS_CLO

CROSSWIND | ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
MANUFACTURER LABEL DETAILS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : 1

A3 | DRAWING NO. 1724000594-IN-DA-00009 | SHEET 016 | REV. 3

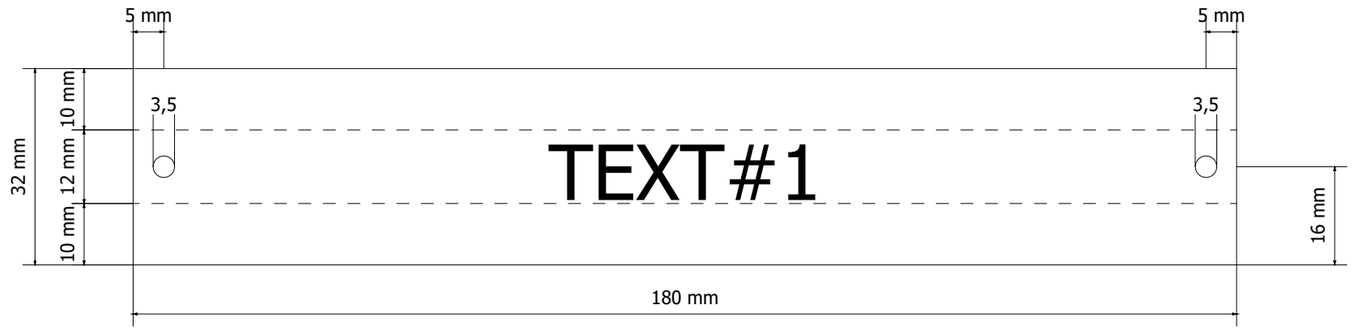
PCS PANEL - SECTION IDENTIFIER NAMEPLATE DETAILS

TYPICAL 02

LABEL FOR SECTION IDENTIFIER ITEM (05)

MATERIAL	:	TRAFOLYTE
DIMENSION	:	180mm x 32mm (lxh)
BACKGROUND COLOUR	:	TRAFOLYTE
TEXT COLOUR	:	BLACK
TEXT HEIGHT	:	12 mm
TEXT FONT	:	ARIAL
FIXING	:	BY STAINLESS STEEL SCREWS

TYPICAL 02



CABINET	TEXT#1
PCS SYSTEM CABINET	B400-PCS-001
PCS MARSHALLING CABINET	B400-PCS-002

DRAWING SCALE 1:1

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CROSSWIND

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PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
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-00009

SHEET 017

REV. 3

SHEET LEFT INTENTIONALLY BLANK

DRAWING SCALE 1:1

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 018

REV. 3

CERTIFICATION LABELS DETAILS

TYPICAL 05

LABEL FOR ITEM IDENTIFIER : ITEM (38)

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

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-DA-00009 - OUTLINE DRAWING

1724000594-IN-DG-00020 - SCHEMATIC DRAWING

Line 1: VOLTAGE 230 Vac / 50 Hz Line 1: CURRENT 5,2A

Line 1: SHORT CIRCUIT CURRENT RATING: 10kA

Line 2: VOLTAGE 230 Vac / 50 Hz Line 2: CURRENT 5,2A

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-PCS_CLO

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
3	29.08.2025	AMA	MGA	MDO	AS BUILT (ASB)
2	11.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
CERTIFICATION LABEL

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 019

REV. 3

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 017 TYPICAL 02
03	AIR INLET FILTER -	AUGER STANDAR	NA001_03	2	MECHANICAL PART NAMEPLATE NOT REQUIRED
04	FRONT-MOUNTED AIR EXTRACTOR FAN (SUPPLIED WITH AIR FILTER) -	AUGER STANDARD	NA001_04	2	EV1 - EV2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
05	SECTION IDENTIFICATION LABEL -	MANUFACTURER STANDARD	NA001_05	2	DETAILS ON SHEET 017 TYPICAL 03
06	POWER SUPPLY FEEDER MODULE INPUT 230Vac (AUTO-RANGING) - OUTPUT 24Vdc-20a	WEIDMULLER PRO-ECO-480W-24V-20A WDM.1469510000	NA001_06	2	G1 ÷ G2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
07	DECOUPLING & PROTECTIVE DIODE FOR REDUNDANCY - 24Vdc -	WEIDMULLER PRO DM 20 WDM.2486080000	NA001_07	2	VD1 - VD2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
08	ROTATIVE MAIN SWITCH - 115Vac / 240Vac 32A -	LOVATO GA032A	NA001_08	2	MS1 - MS2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
09	THERMOSTAT FOR FAN ON/OFF CIRCUIT -	MANUFACTURER STANDAR	NA001_09	1	TH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
10	THERMOSTAT FOR HIGH TEMPERATURE ALARM -	MANUFACTURER STANDARD	NA001_10	1	THH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
11	PRE-ASSEMBLED RELAY BOARD FOR FAN FAULT CIRCUIT -	PREI	NA001_11	1	FRB (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
12	FEED-THROUGH TYPE TERMINAL SCREW TYPE - GREY COLOUR - SECTION 6mm²	PHOENIX CONTACT UT 6	NA001_12	9	TB-PS1 ÷ TB-PS3 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
13	TRASFORMER 240Vac / 24Vac - 50Hz -	ABB TM10 EA2616	NA001_13	1	T1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
14	2 POLES COMMON BOX - 15 CONNECTION EACH POLE -	CABUR QBLOK2P125A15	NA001_14	2	CB_UPS1 - CB_UPS2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
15	2 POLES COMMON BOX - 7 CONNECTION EACH POLE -	CABUR QBLOCK2P100A7	NA001_15	3	CB_SER (INTERNAL LABEL) CB_24VDC - CB_12VDC EXTERNAL LABEL NOT REQUIRED

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SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 020

REV. 3

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
16	PURE Id CIRCUIT BREAKER WITH AUXILIARY CONTACT 2 POLES - 240Vac - 50Hz - 25A - Id: 30mA	EATON FAZ SERIES	NA001_16	1	Q1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
17	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAJER - 115Vac / 240Vac WHIT AUXILIARY CONTACT	EATON FAZ SERIES	NA001_17	18	Q2 ÷ Q17 - Q20 ÷ Q21 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
18	DISTRIBUTION TERMINALS - SCREW TYPE - SECTION 2.5mm² FEED THROUGH TYPE - GREY COLOUR	PHOENIX CONTACT UT 2.5 PXC.3044076	NA001_18	52	TB-Q5, X24L-, X12L- (INTERNAL LABEL) TB-EV1, TB-EV2, TB-LAMP, XFAULT, TB-00-JE-BX00 EXTERNAL LABEL NOT REQUIRED
19	TERMINALS - SPRING TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	PHOENIX CONTACT UT 4 HESILED PXC.3214366	NA001_19	47	TB-FU - X24L+ (INTERNAL LABEL) TB-00-JE-13001, TB-00-JE-13002, TB-00-JB-13003 EXTERNAL LABEL NOT REQUIRED
20					
21	SERVICE SOCKET INCLUDING SOCKET DIN MOUNTING KIT	MANUFACTURER STANDARD	NA001_21	1	SK1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
22	FIELD CONTROL STATION (REDUNDANT) -	YOKOGAWA AFV30D-A41262	NA001_22	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
23	ANALOG INPUT MODULE, 16 CHANNEL -	YOKOGAWA AAI143-H53/K4A00	NA001_23	8	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
24	ESB BUS COUPLER MASTER MODULE -	YOKOGAWA EC401-51	NA001_24	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
25	PROCESSOR MODULE -	YOKOGAWA CP471-01	NA001_25	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
26	220-240V AC INPUT POWER SUPPLY MODULE -	YOKOGAWA PW482-51	NA001_26	8	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
27	NODE INTERFACE UNIT -	YOKOGAWA ANB10D-426/CU2N	NA001_27	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
28	ANALOG OUTPUT MODULE, 16 CHANNEL -	YOKOGAWA AAI543-H61/K4A00	NA001_28	4	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
29	DIGITAL INPUT MODULE, 32 CHANNEL -	YOKOGAWA ADV151-P63/D5A00	NA001_29	8	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
30	NODE INTERFACE UNIT -	YOKOGAWA ANB10D-426/CU2T	NA001_30	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

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SHEET 021

REV. 3

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
31	DIGITAL OUTPUT MODULE, 32 CHANNEL -	YOKOGAWA ADV551-P63/D5A00	NA001_31	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
32	MODBUS TCP/IP COMMUNICATION MODULE -	YOKOGAWA ALE111-S51	NA001_32	3	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
33	PROFINET COMMUNICATION MODULE -	YOKOGAWA A2LP131-S01	NA001_33	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
34	TB FOR DIGITAL DIN MOUNT TYPE -	YOKOGAWA A1BD5D-06	NA001_34	5	REFER TO SHEET 014 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
35	TB FOR ANALOG DIN MOUNT TYPE -	YOKOGAWA A1BA4D-06	NA001_35	6	REFER TO SHEET 014 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
36	SCREW TYPE TERMINALS - SECTION 4 KNIFE DISCONNECT TYPE - GREY COLOUR	PHOENIX CONTACT UDMTK 5 PXC.3048467	NA001_36	193	TB-00-JE-11001 / TB-00-JE-11002 / TB-00-JE-11003 / TB-00-JE-11004 / TB-00-JE-11005 / TB-00-JE-12001 / TB-00-JE-12002 / TB-00-JE-12003 / TB-00-JE-12004 / TB-00-JE-12005 / TB-00-JE-12006 / TB-00-JE-BX00 EXTERNAL LABEL NOT REQUIRED
37	RELAY 12Vdc - 1 NO+NC -	FINDER 34.51.71012.0010	NA001_37	2	KA1÷KA2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
38	PREI CE LABEL -	MANUFACTURER STANDARD	NA001_38	1	DETAILS ON SHEET 019 TYPICAL 05
39	TERMINALS - SPRING TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	PHOENIX CONTACT UT 4-HESI PXC.3046032	NA001_39	4	JB-00-JE-BX00 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
40	POWER SUPPLY FEEDER MODULE INPUT 24Vdc - OUTPUT 12Vdc	MEANWELL HDR-15-12	NA001_40	2	G3 - G4 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
41	ESB BUS COUPLER SLAVE MODULE -	YOKOGAWA SB401-53	NA001_41	6	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
42	SCREW TYPE TERMINALS - SECTION 2.5mm² WITH DIODE	PHOENIX CONTACT PT 2,5-DIO/L-R	NA001_42	4	TB_D (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
43	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAJER - 24Vdc WITH AUXILIARY CONTACT	EATON FAZ SERIES	NA001_43	2	Q18 ÷ Q19 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
44	DRAWING POCKET - GREY COLOUR -	MANUFACTURER STANDARD	NA001_44	1	EXTERNAL LABEL NOT REQUIRED -
45	INTERNAL LIGHT -	MANUFACTURER STANDARD	NA001_45	2	L1 ÷ L2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

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A3

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SHEET 022

REV. 3

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
46	INTERNAL LIGHT SWITCH -	MANUFACTURER STANDARD	NA001_34	2	S1 ÷ S2 (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
47	TERMINALS - SECTION 2.5mm² - SCREW TYPE KNIFE DISCONNECT TYPE - GREY COLOR	PHOENIX CONTACT UT 2.5	-	30	TB-00-JE-13001, TB-00-JE-13002, TB-00-JE-13003 -
48	- -	-	-	-	- -
49	- -	-	-	-	- -
50	- -	-	-	-	- -
51	- -	-	-	-	- -
52	- -	-	-	-	- -
53	- -	-	-	-	- -
54	- -	-	-	-	- -
55	- -	-	-	-	- -
56	- -	-	-	-	- -
57	- -	-	-	-	- -
58	- -	-	-	-	- -
59	- -	-	-	-	- -
60	- -	-	-	-	- -

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REV. 3