BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET
(SIS & FGS)
GEN. ARR. DRW AND INT. LAYOUT

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
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								BASE LOAD POWER HUB (BLPH) DATA SHEET
004	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) FGS - EXTERNAL FRONT VIEW
007	X		X							BASE LOAD POWER HUB (BLPH) FGS - EXTERNAL FRONT DOOR OPENED VIEW
008	X		X							BASE LOAD POWER HUB (BLPH) FGS - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW
009	X	X	X							BASE LOAD POWER HUB (BLPH) FGS - EXTERNAL REAR VIEW
010	X	X								BASE LOAD POWER HUB (BLPH) FGS - BASEPLATE DETAILS
011	X	X	X							BASE LOAD POWER HUB (BLPH) FGS - EXTERNAL & INTERNAL TOP VIEW
012	X	X	X							BASE LOAD POWER HUB (BLPH) FGS - EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST
013	X		X							BASE LOAD POWER HUB (BLPH) FGS - LIFTING DETAILS
014	X		X							BASE LOAD POWER HUB (BLPH) FGS - FRONT DOOR CUT-OUT DETAILS
015	X	X	X							BASE LOAD POWER HUB (BLPH) FGS - FRONT SIDE INTERNAL VIEW
016	X	X	X							BASE LOAD POWER HUB (BLPH) FGS - RIGHT/LEFT SIDE INTERNAL VIEWS
017	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
018	X	X	X							BASE LOAD POWER HUB (BLPH) SIS - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW
019	X									BASE LOAD POWER HUB (BLPH) SIS - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW
020	X	X								BASE LOAD POWER HUB (BLPH) SIS - EXTERNAL REAR VIEW

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
021	X	X								BASE LOAD POWER HUB (BLPH) SIS - BASEPLATE DETAILS
022	X	X	X							BASE LOAD POWER HUB (BLPH) SIS - EXTERNAL & INTERNAL TOP VIEW
023	X	X	X							BASE LOAD POWER HUB (BLPH) SIS - LIFTING DETAILS
024	X	X	X							BASE LOAD POWER HUB (BLPH) SIS - FRONT DOOR CUT-OUT DETAILS
025	X	X	X							BASE LOAD POWER HUB (BLPH) SIS - FRONT SIDE INTERNAL VIEWS
026	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
027	X									BASE LOAD POWER HUB (BLPH) MANUFACTURER LABEL DETAILS
028	X	X	X							BASE LOAD POWER HUB (BLPH) SECTION IDENTIFIER NAMEPLATE DETAILS
029	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
030	X		X							BASE LOAD POWER HUB (BLPH) CERTIFICATION LABEL
30A			X							BASE LOAD POWER HUB (BLPH) CERTIFICATION LABEL
031	X		X							BASE LOAD POWER HUB (BLPH) FGS MAIN COMPONENT LIST
032	X	X	X							BASE LOAD POWER HUB (BLPH) FGS MAIN COMPONENT LIST
033	X	X	X							BASE LOAD POWER HUB (BLPH) FGS MAIN COMPONENT LIST
33A			X							BASE LOAD POWER HUB (BLPH) FGS MAIN COMPONENT LIST
034	X		X							BASE LOAD POWER HUB (BLPH) SIS MAIN COMPONENT LIST
035	X	X	X							BASE LOAD POWER HUB (BLPH) SIS MAIN COMPONENT LIST
036	X	X	X							BASE LOAD POWER HUB (BLPH) SIS MAIN COMPONENT LIST

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

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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
INDEX

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

SCALE : 1

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SHEET 002

REV. 2

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	SIS 800 mm x 800 mm x 2100 mm (L x D x H) (NOTE B1) FGS 2400 mm x 800 mm x 2100mm (L x D x H) <1>		
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 <1>
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	SIS 250Kg <1> FGS 800 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
<1>

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	1,5Kw <1>	1,5Kw <1>	0,7Kw <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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CROSSWIND

ROSETTI MARINO

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SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
DATA SHEET

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

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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INTERNAL WIRING INFORMATION

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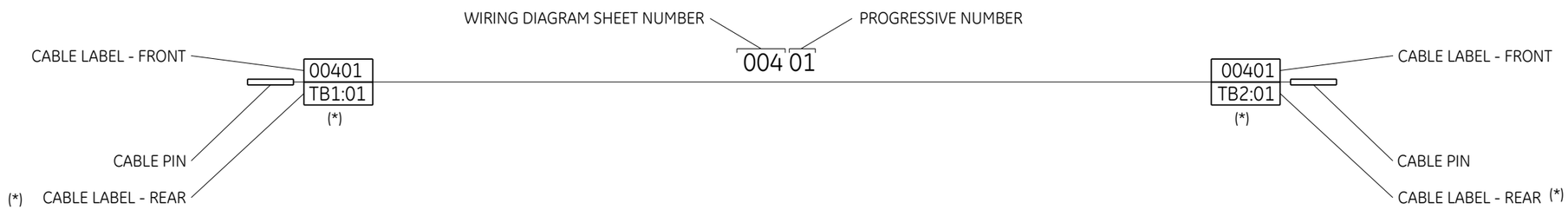
SHEET 004

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

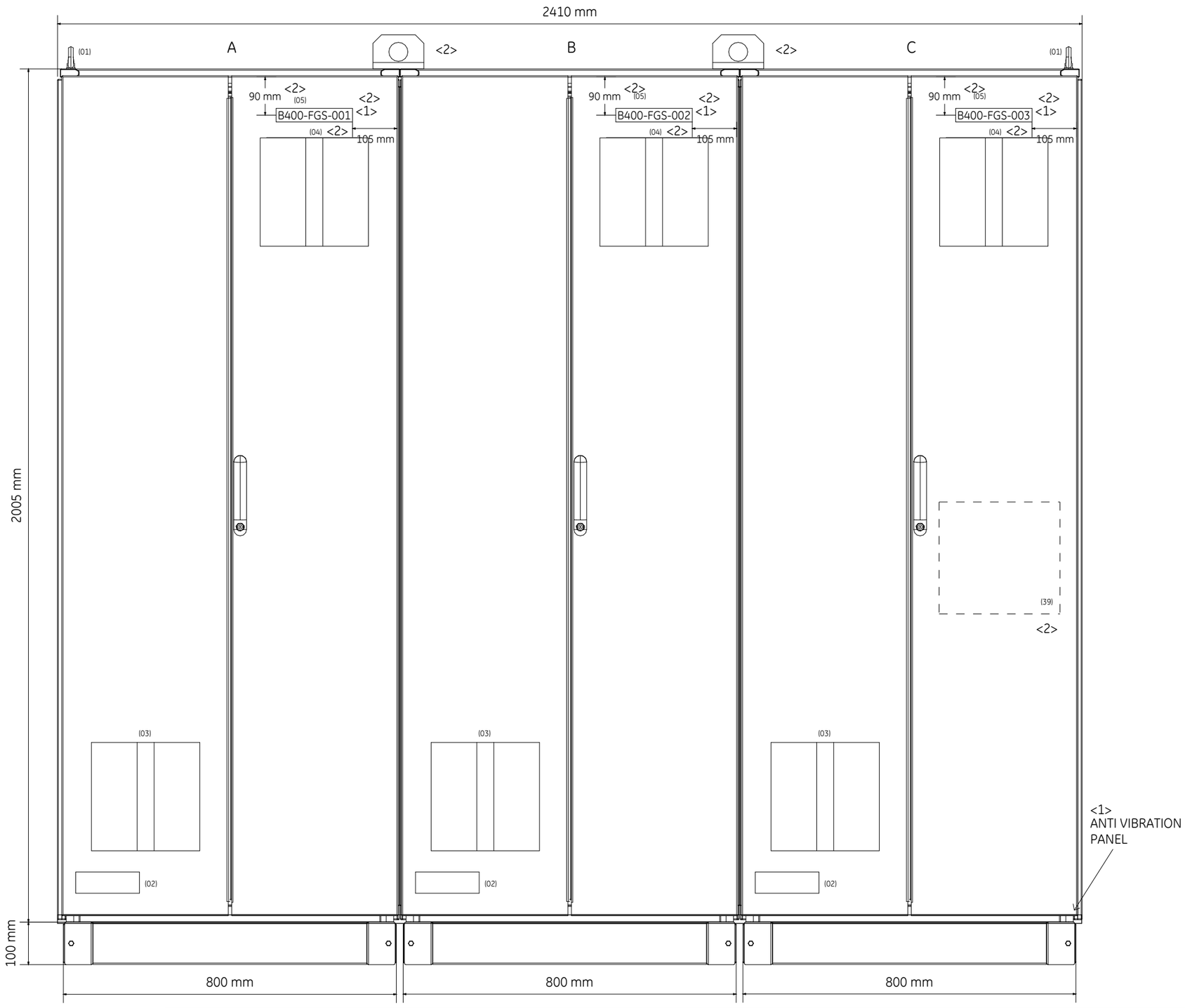
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TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS

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REV. 2

FGS PANEL - EXTERNAL FRONT VIEW



DRAWING SCALE 1:10

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FGS - EXTERNAL FRONT VIEW

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SCALE : 1

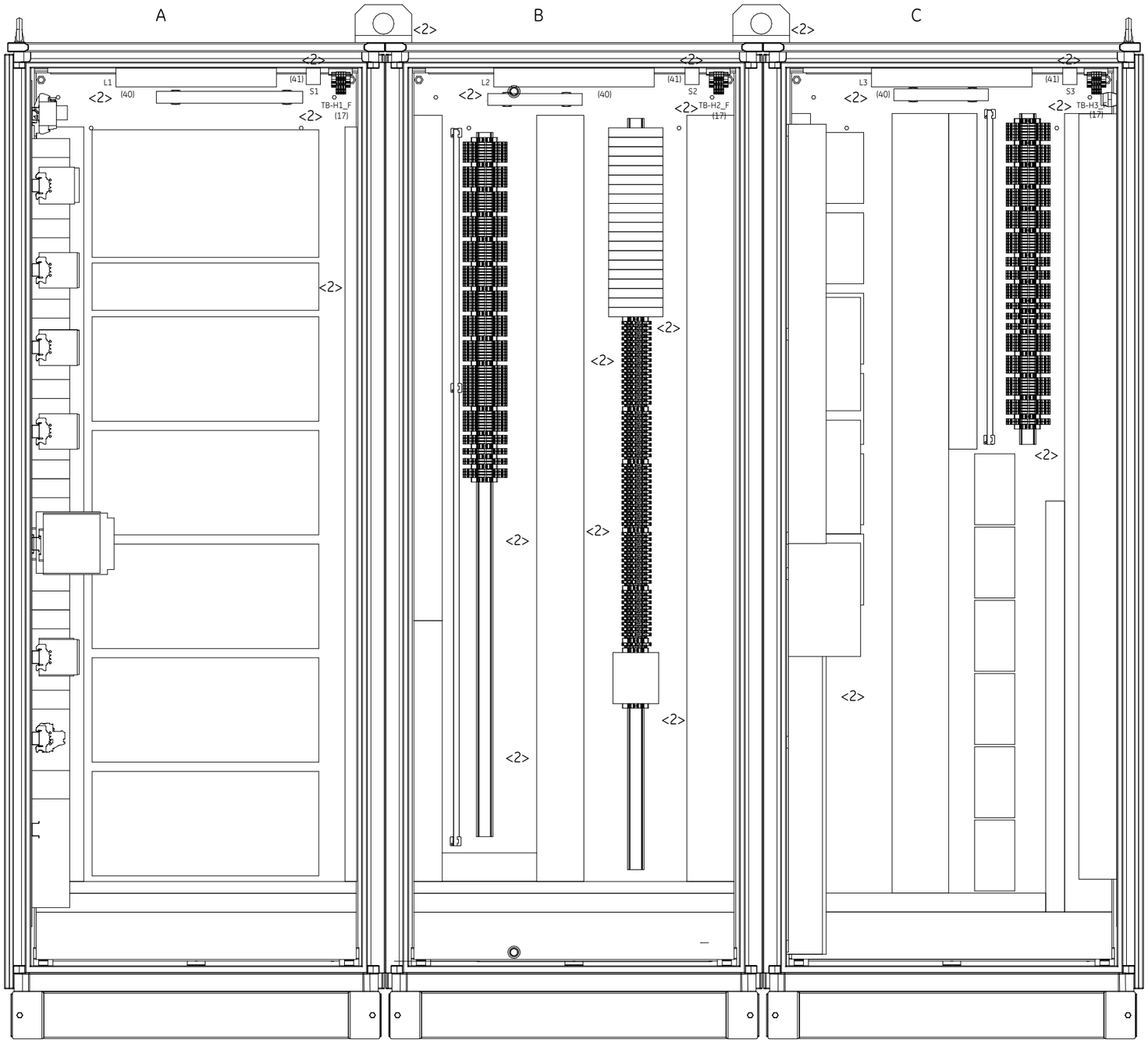
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SHEET 006

REV. 2

FGS PANEL - EXTERNAL FRONT DOOR OPENED VIEW



DRAWING SCALE 1:10

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FGS - EXTERNAL FRONT DOOR OPENED VIEW

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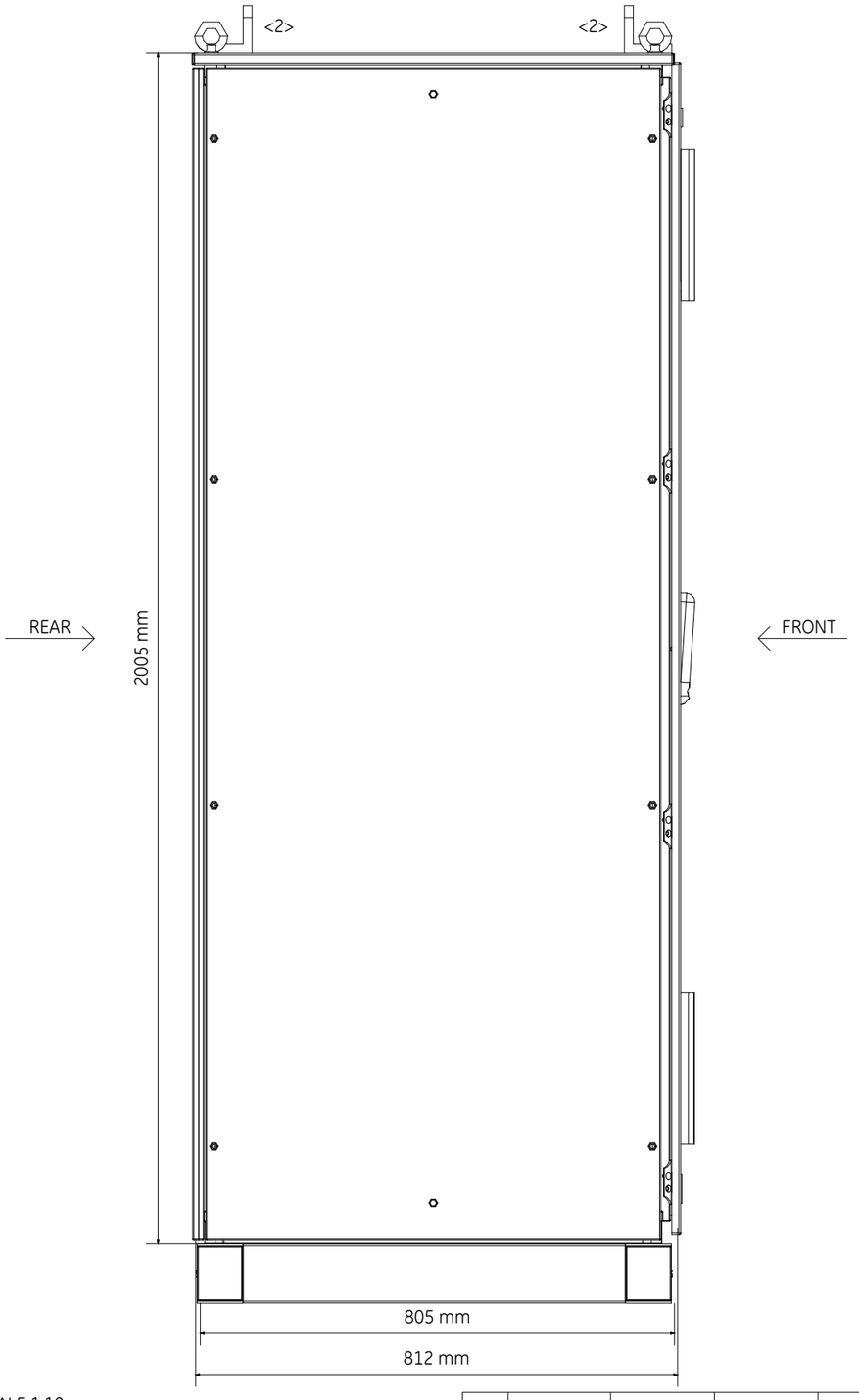
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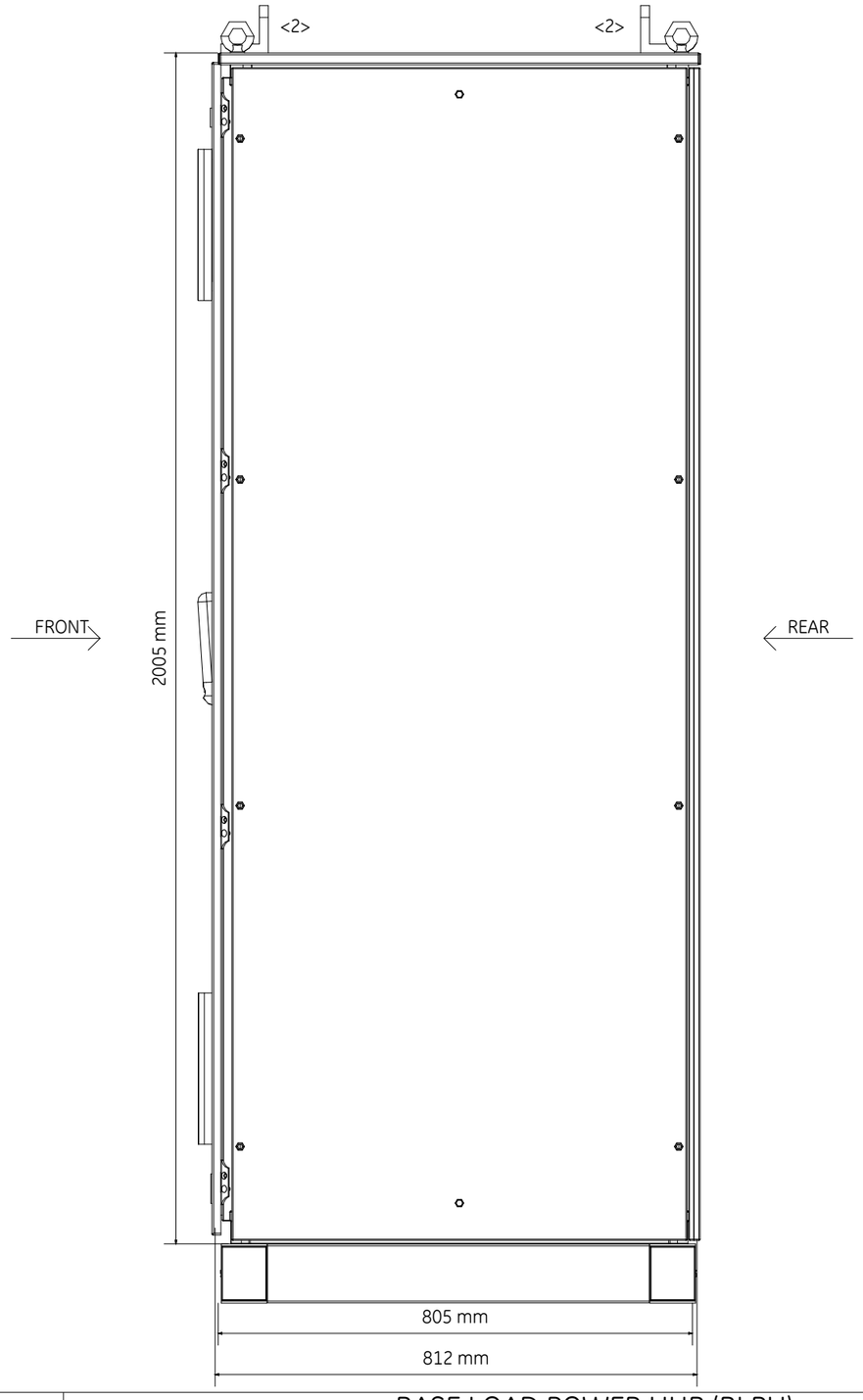
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SHEET 007

REV. 2

FGS PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW





DRAWING SCALE 1:10

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FGS - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW

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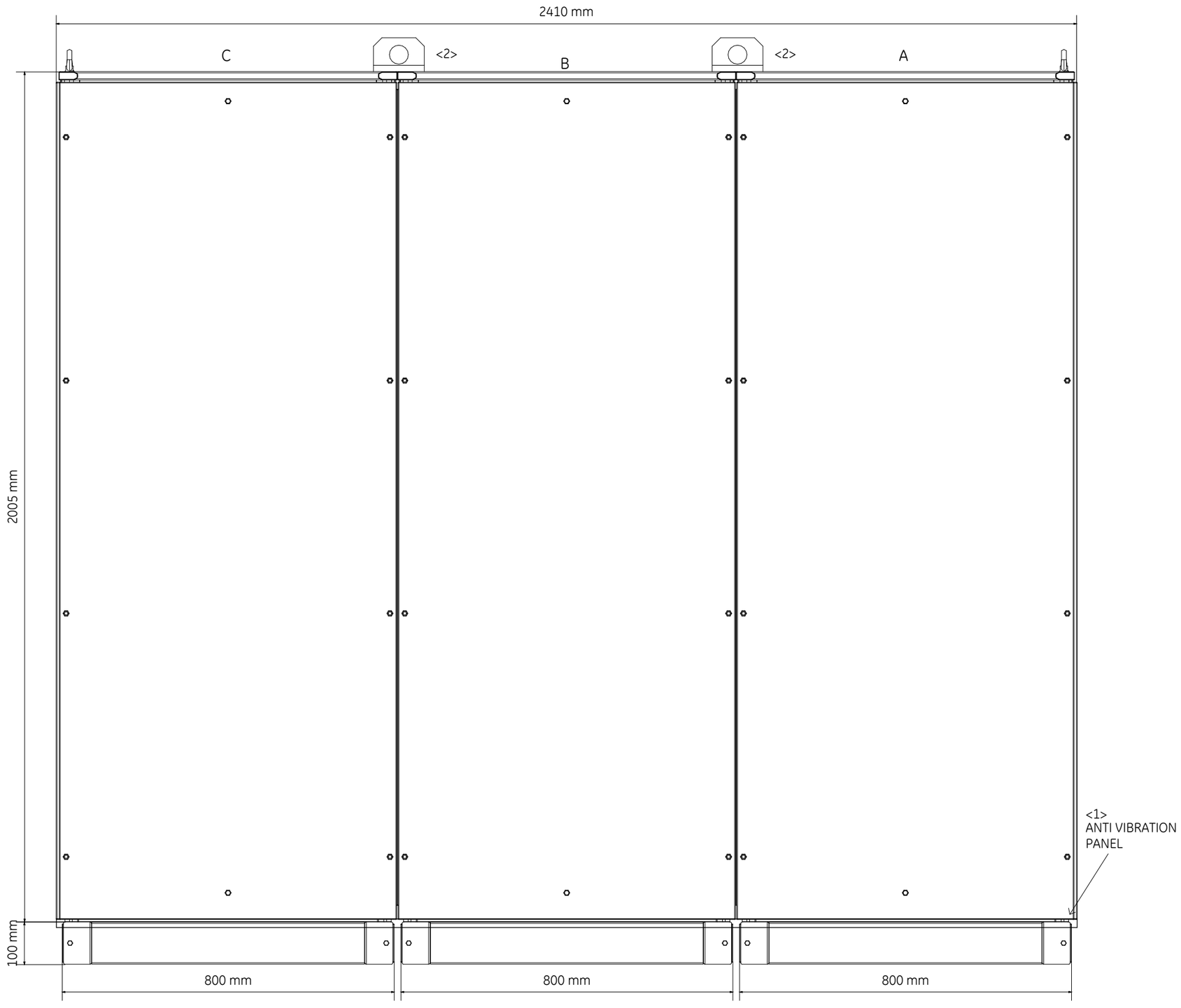
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REV. 2

FGS PANEL - EXTERNAL REAR VIEW



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FGS - EXTERNAL REAR VIEW

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SHEET 009

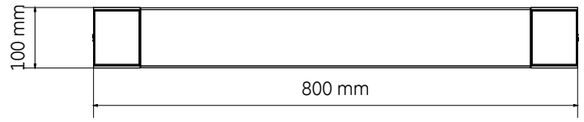
REV. 2

FGS PANEL - BASEPLATE DETAILS

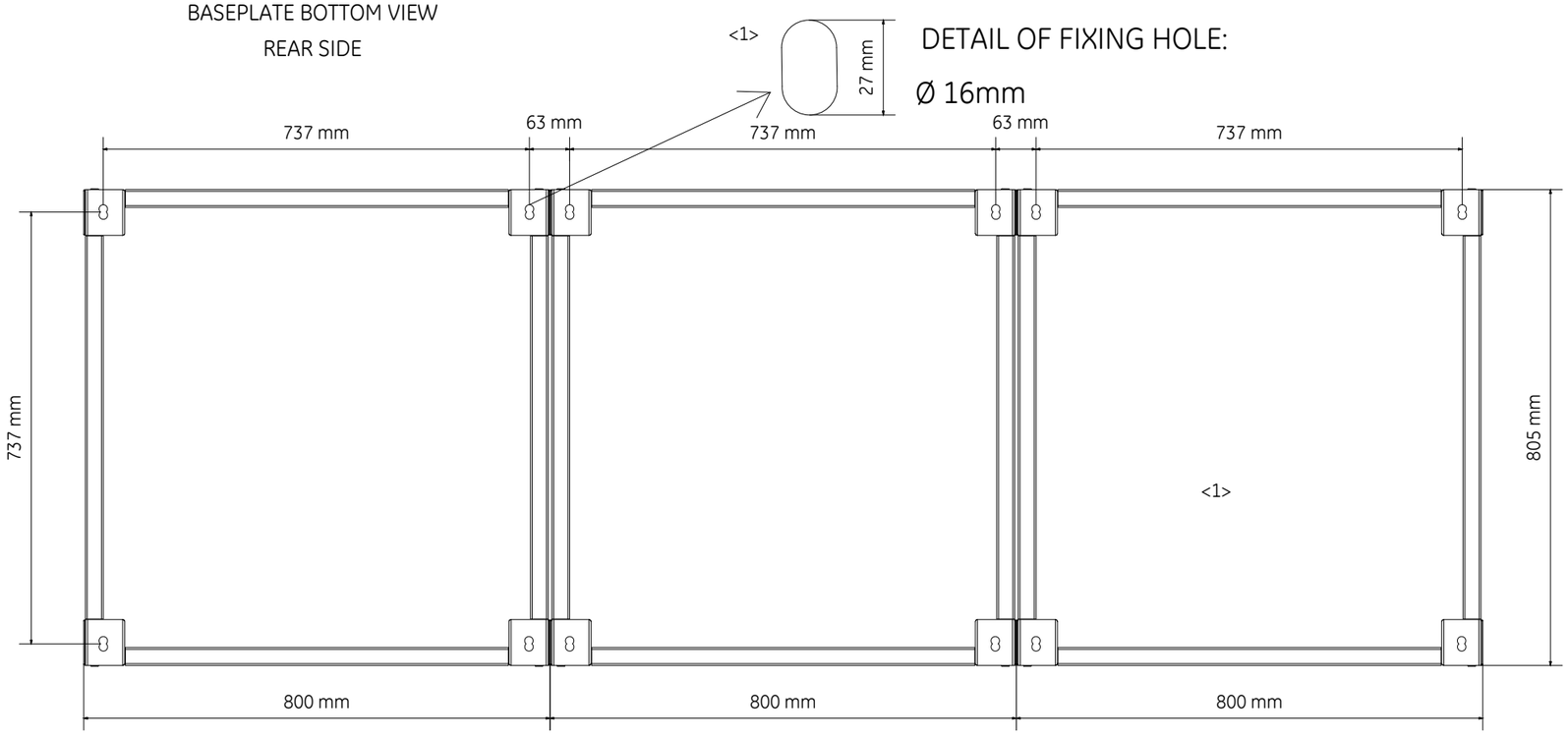
BASEPLATE SIDE VIEW



BASEPLATE FRONT VIEW



BASEPLATE BOTTOM VIEW
REAR SIDE



FRONT SIDE

<1>

DRAWING SCALE 1:10

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SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS - BASEPLATE DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

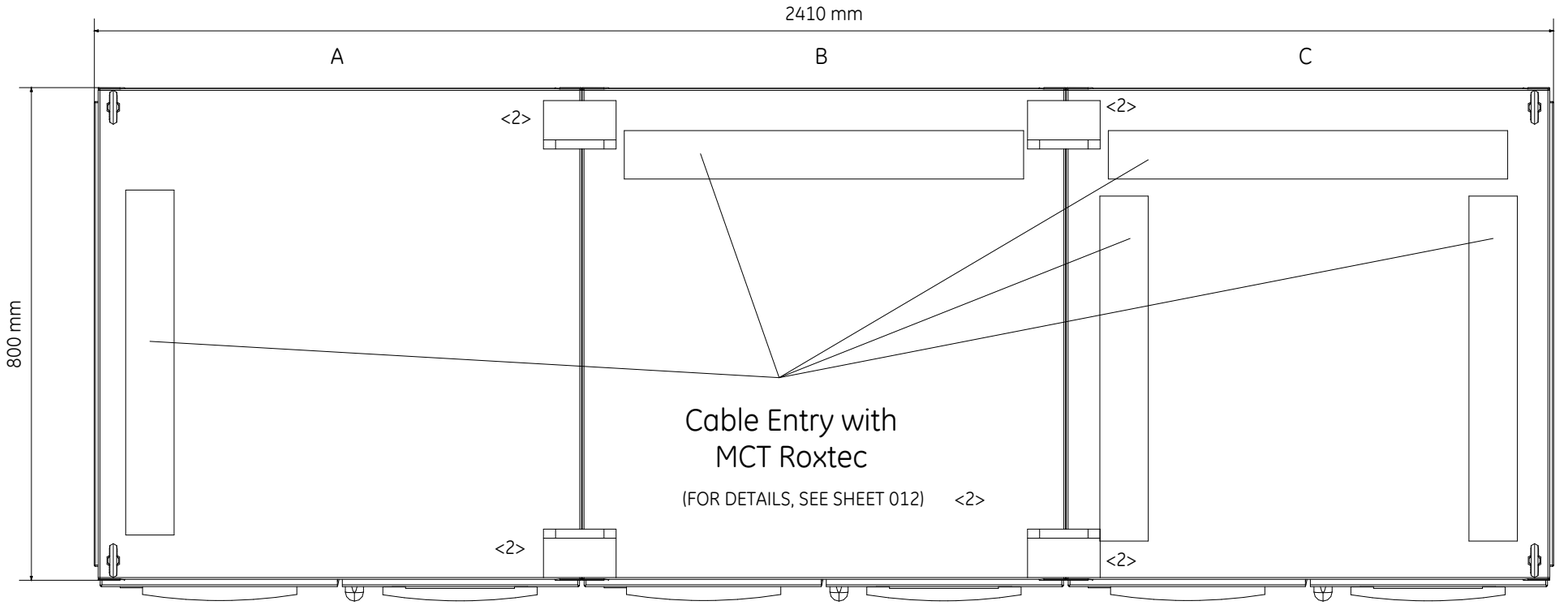
SHEET 010

REV. 2

FGS PANEL - EXTERNAL & INTERNAL TOP VIEW

EXTERNAL TOP VIEW

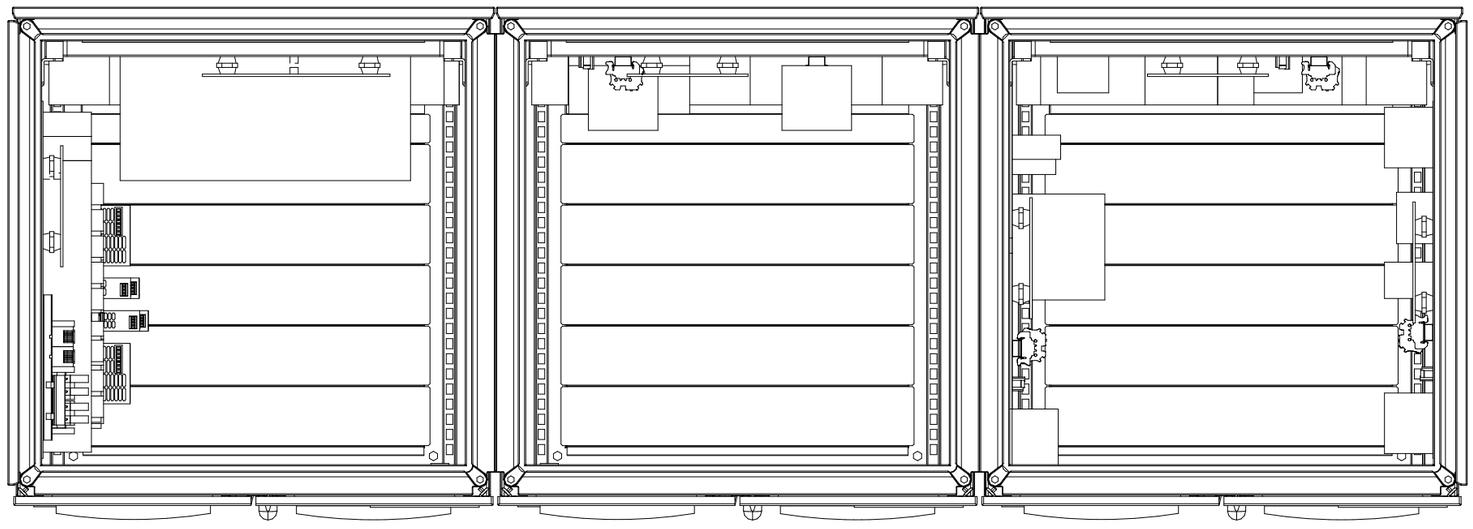
REAR



FRONT

INTERNAL TOP VIEW

REAR



FRONT

DRAWING SCALE 1:10

<1>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS - EXTERNAL & INTERNAL TOP VIEW

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

SCALE : 1

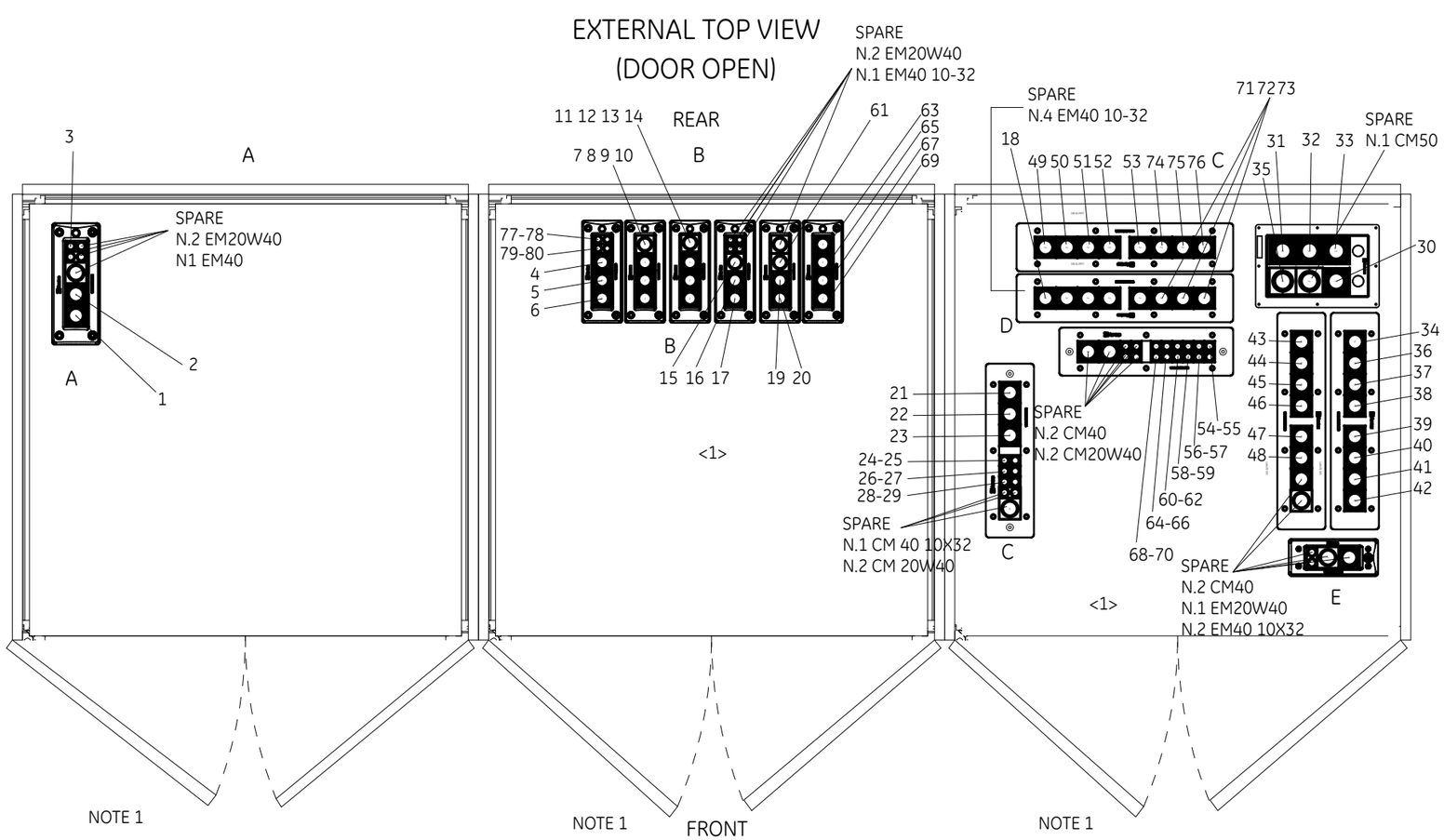
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DRAWING NO. 1724000594-IN-DA-00010

SHEET 011

REV. 2

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



	CABLE TAG	CABLE TYPE	OUTER CABLE DIAM. (mm)	MCT SIZE	LOC.	POS.
	C-77-HS-012B/B400-FGS-002	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	CM40 10-32	D	61
<2>	C-77-ZSL-012/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	62
	C-77-HS-013B/B400-FGS-002	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	CM40 10-32	D	63
<2>	C-77-ZSL-013/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	64
	C-77-HS-014B/B400-FGS-002	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	CM40 10-32	D	65
<2>	C-77-ZSL-014/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	66
	C-77-HS-015B/B400-FGS-002	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	CM40 10-32	D	67
<2>	C-77-ZSL-015/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	68
	C-77-HS-016B/B400-FGS-002	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	CM40 10-32	D	69
<2>	C-77-ZSL-016/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	70
<2>	20-UCP-001/B400-FGS-003	2x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	19.3	CM40 10-32	D	71
<2>	80-UCP-001/B400-FGS-003	2x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	19.3	CM40 10-32	D	72
<2>	50-LP-002/B400-FGS-003	2x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	19.3	CM40 10-32	D	73
<2>	B100-HSB-001/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	25.2	CM40	D	74
<2>	B200-HSB-001/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	25.2	CM40	D	75
<2>	B300-HSB-001/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	25.2	CM40	D	76
<2>	84401-CEL	3G2.5, ORANGE, NIS	15.5	EM40 10x32	A	1
<2>	84402-CEL	3G2.5, ORANGE, NIS	15.5	EM40 10x32	A	2
<2>	83107-CEL	3G2.5, ORANGE, NIS	13	EM20W40	A	3

	CABLE TAG	CABLE TYPE	OUTER CABLE DIAM (mm)	MCT SIZE	LOC.	POS.
<2>	950-JE-06204/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM,F.Res,LIGHT BLUE,IS	25.2	CM40	C	21
<2>	950-JE-04204/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM,F.Res,LIGHT BLUE,IS	25.2	CM40	C	22
<2>	950-JE-04208/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM,F.Res,LIGHT BLUE,IS	25.2	CM40	C	23
<2>	C-950-SDZ-04201/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, LIGHT BLUE, IS	11.7	CM20W40	C	24
<2>	C-950-SDZ-04202/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, LIGHT BLUE, IS	11.7	CM20W40	C	25
<2>	C-950-SDZ-04203/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, LIGHT BLUE, IS	11.7	CM20W40	C	26
<2>	C-950-SDZ-04204/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, LIGHT BLUE, IS	11.7	CM20W40	C	27
<2>	C-950-SDZ-04205/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, LIGHT BLUE, IS	11.7	CM20W40	C	28
<2>	C-950-SDZ-04206/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, LIGHT BLUE, IS	11.7	CM20W40	C	29
<2>	950-JE-01101/B400-FGS-003	6x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM 50	E	30
<2>	950-JE-02101/B400-FGS-003	12x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	43.7	CM50	E	31
<2>	950-JE-02102/B400-FGS-003	12x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	43.7	CM50	E	32
<2>	950-JE-03101/B400-FGS-003	12x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	43.7	CM50	E	33
<2>	950-JE-04101/B400-FGS-003	6x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM40	E	34
<2>	950-JE-05101/B400-FGS-003	12x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	43.7	CM50	E	35
<2>	950-JE-06101/B400-FGS-003	6x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM40	E	36
<2>	950-JE-06201/B400-FGS-003	6x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM40	E	37
<2>	950-JE-04201/B400-FGS-003	6x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM40	E	38
<2>	950-JE-04205/B400-FGS-003	6x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM40	E	39
<2>	950-JE-01102/B400-FGS-003	6x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM40	E	40
<2>	950-JE-02103/B400-FGS-003	6x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM40	E	41
<2>	950-JE-03102/B400-FGS-003	6x3x2.5 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM40	E	42
<2>	C-950-GDZ-04201/B400-FGS-003	3x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.7	CM40 10X32	E	43
<2>	C-950-GDZ-04202/B400-FGS-003	3x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.7	CM40 10X32	E	44
<2>	C-950-GDZ-04203/B400-FGS-003	3x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.7	CM40 10X32	E	45
<2>	C-950-GDZ-04204/B400-FGS-003	3x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.7	CM40 10X32	E	46
<2>	C-950-GDZ-04205/B400-FGS-003	3x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.7	CM40 10X32	E	47
<2>	C-950-GDZ-04206/B400-FGS-003	3x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.7	CM40 10X32	E	48
	950-JE-01104/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	4
	950-JE-02104/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	5
	950-JE-03104/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	6
	950-JE-04103/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	7
	950-JE-05103/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	8
	950-JE-06103/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	9
	950-JE-07101/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	10
	950-JE-06203/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	11
	950-JE-04203/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	12
	950-JE-04207/B400-FGS-002	24x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	32.8	EM40 10x32	B	13
	950-JE-05104/B400-FGS-002	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10x32	B	14
	C-950-XZ-04201/B400-FGS-002	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10x32	B	15
	C-950-XL-04201/B400-FGS-002	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10x32	B	16
	C-950-XL-04202/B400-FGS-002	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10x32	B	17
<2>	P320PLC/B400-FGS-003	2x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	19.3	EM40 10x32	B	18
	C-NC-200F2/B400-FGS-002.01	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10x32	B	19
	C-NC-200F2/B400-FGS-002.02	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10x32	B	20
<2>	950-JE-01103/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	25.2	CM40	D	49
<2>	950-JE-03103/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	25.2	CM40	D	50
<2>	950-JE-04102/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	25.2	CM40	D	51
<2>	950-JE-05102/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	25.2	CM40	D	52
<2>	950-JE-06102/B400-FGS-003	6x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	25.2	CM40	D	53
<2>	C-950-MFA-02101/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	54
<2>	C-950-MFA-07101/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	55
<2>	C-950-MFA-06201/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	56
<2>	C-950-MFA-04203/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	57
<2>	C-950-MFA-04202/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	58
<2>	C-950-MFA-05201/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	59
<2>	C-950-MFA-04201/B400-FGS-003	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	D	60
	B100-NET1-A9	CAT.6A 4x2xAWG23. Sh+Sht+ARM, F Ret, GREY, NIS	10.7	EM20W40	B	77
	B100-NET1-B9	CAT.6A 4x2xAWG23. Sh+Sht+ARM, F Ret, GREY, NIS	10.7	EM20W40	B	78
	B100-NET1-A10	CAT.6A 4x2xAWG23. Sh+Sht+ARM, F Ret, GREY, NIS	10.7	EM20W40	B	79
	B100-NET1-B10	CAT.6A 4x2xAWG23. Sh+Sht+ARM, F Ret, GREY, NIS	10.7	EM20W40	B	80

NOTES :

NOTE 1: DOORS LOCK AT 90°

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS - EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST

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

SCALE : 1

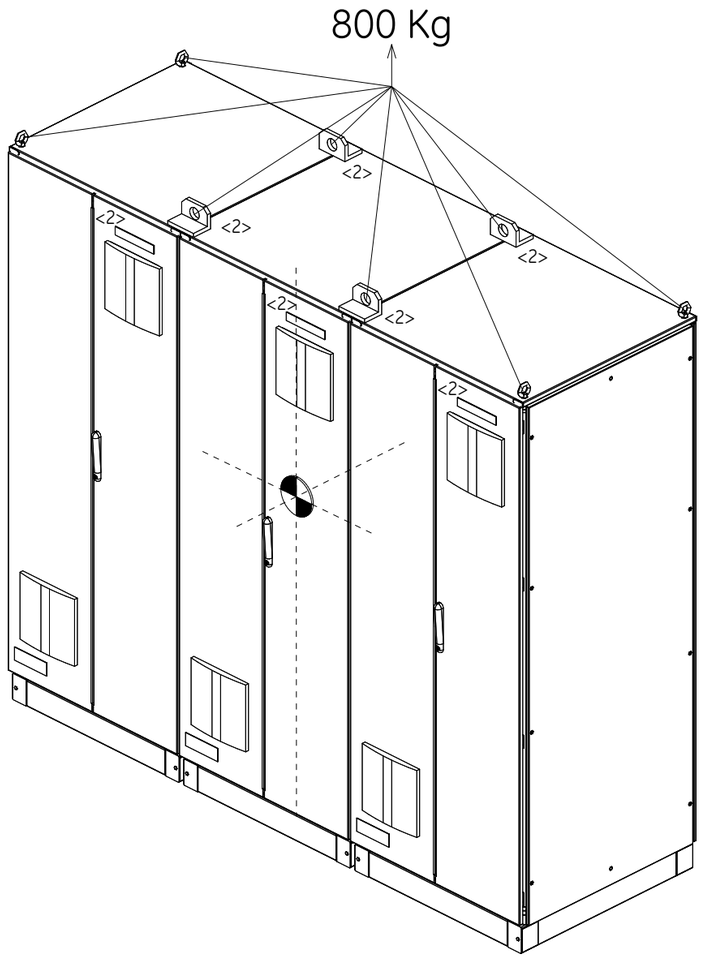
A3

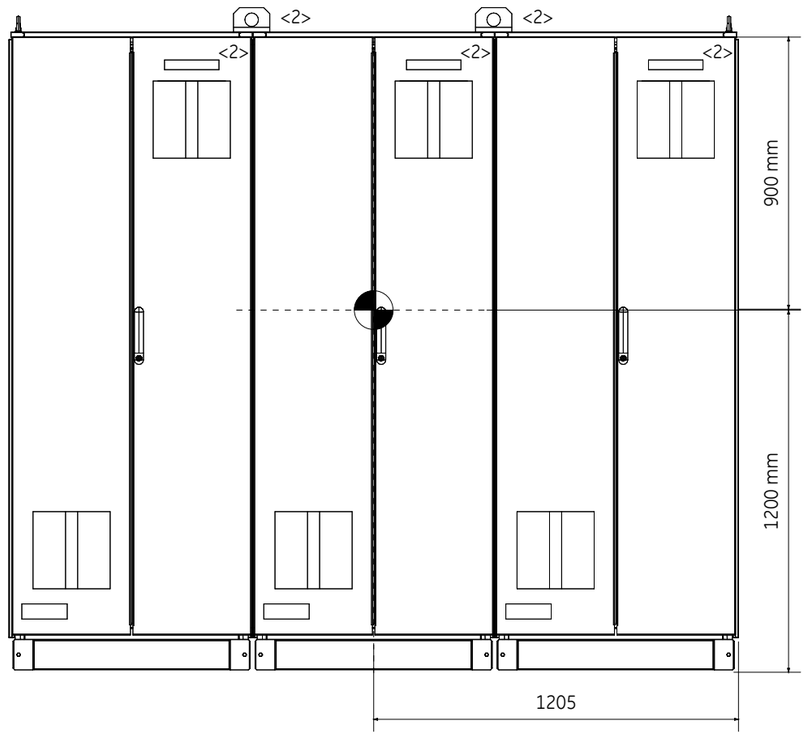
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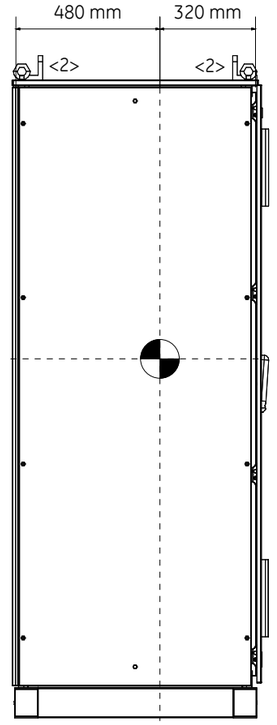
SHEET 012

REV. 2

FGS PANEL - LIFTING DETAILS







= CENTER OF GRAVITY

DRAWING SCALE 1:20
ALL QUOTES SHOWN ARE APPROXIMATE VALUE

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS - LIFTING DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 013

REV. 2

FGS PANEL - FRONT DOOR CUT-OUT DETAILS



NOTE 1 : CUT-OUT FOR AIR VENTILATION FILTER

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS - 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-00010

SHEET 014

REV. 2

FGS PANEL - FRONT SIDE INTERNAL VIEW

FRONT SIDE

DEVICE "1" <2>
(26) -S2SC70D-FA12010
(22) -N: 6: SAI143-H63
<1> (23) -N: 2: SEC401-51 <2>
(24) -N: 2: S2CP471-01
(25) -N: 2: SPW482-53

<2> DEVICE "7" <2>
(37) -AIP-602

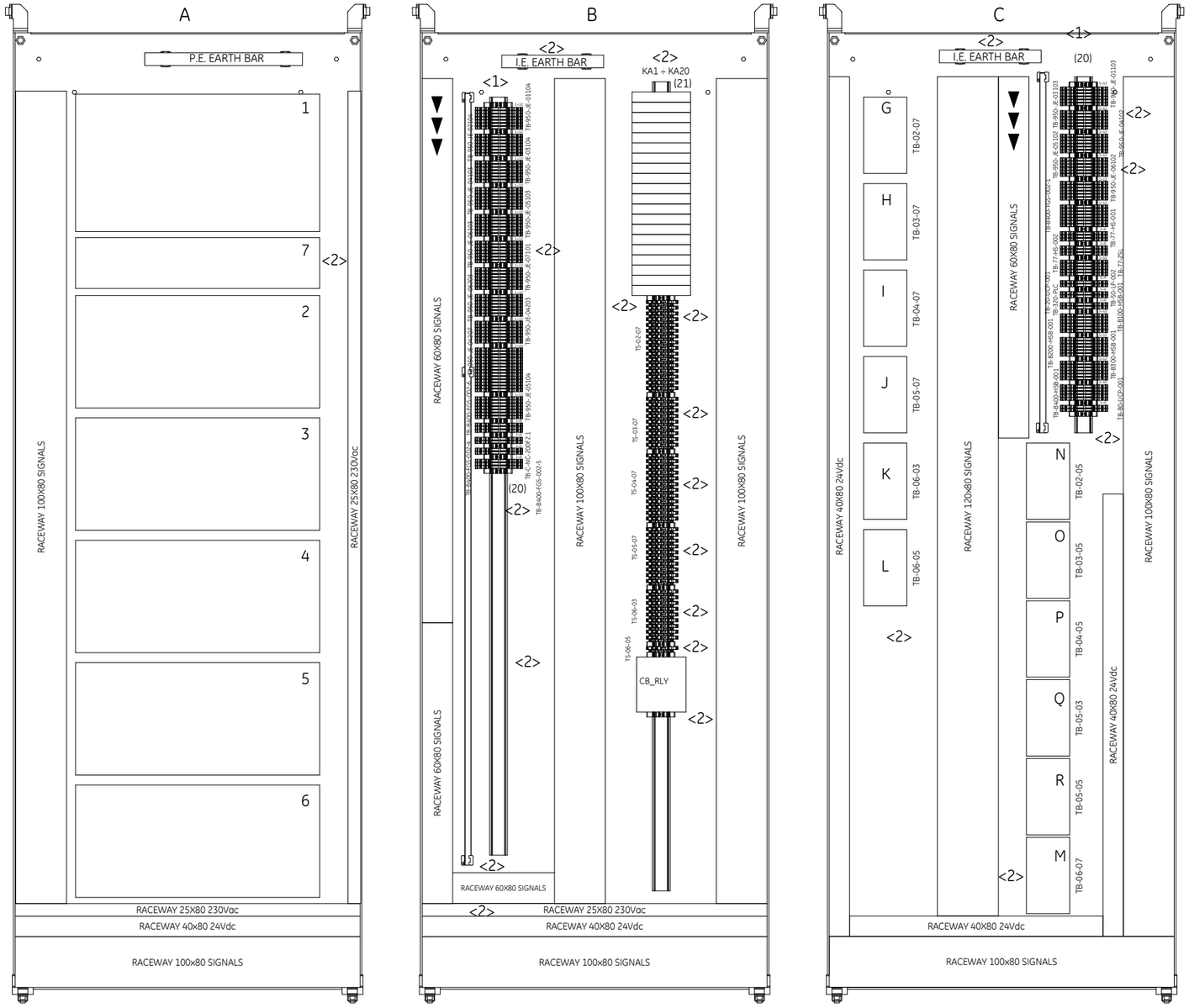
DEVICE "2" <2>
(27) -SNB10D-425/CU2N
(22) -N: 4: SAI143-H63
(28) -N: 2: SDV144-S63
<1> (29) -N: 2: SDV541-S63
(36) -N: 2: SSB401-53 <2>
(25) -N: 2: SPW482-53

DEVICE "3" <2>
(27) -SNB10D-425/CU2N
(22) -N: 4: SAI143-H63
<1> (28) -N: 2: SDV144-S63
(29) -N: 2: SDV541-S63
(36) -N: 2: SSB401-53 <2>
(25) -N: 2: SPW482-53

DEVICE "4" <2>
(27) -SNB10D-425/CU2N
(22) -N: 4: SAI143-H63
<1> (28) -N: 2: SDV144-S63
(29) -N: 2: SDV541-S63
(36) -N: 2: SSB401-53 <2>
(25) -N: 2: SPW482-53

DEVICE "5" <2>
(27) -SNB10D-425/CU2N
(22) -N: 2: SAI143-H63
(28) -N: 4: SDV144-S63
<1> (29) -N: 2: SDV541-S63
(36) -N: 2: SSB401-53 <2>
(25) -N: 2: SPW482-53

DEVICE "6" <2>
(30) -SNB10D-425/CU2T
-N: 2: SPARE
<1> (29) -N: 4: SDV541-S63
(28) -N: 2: SDV144-S63 <2>
(36) -N: 2: SSB401-53 <2>
(25) -N: 2: SPW482-53



DEVICE "G" ÷ "R"
SBD4D-06 (31)

= CABLE ENTRY

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS - FRONT SIDE INTERNAL VIEW

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

SCALE : 1

A3

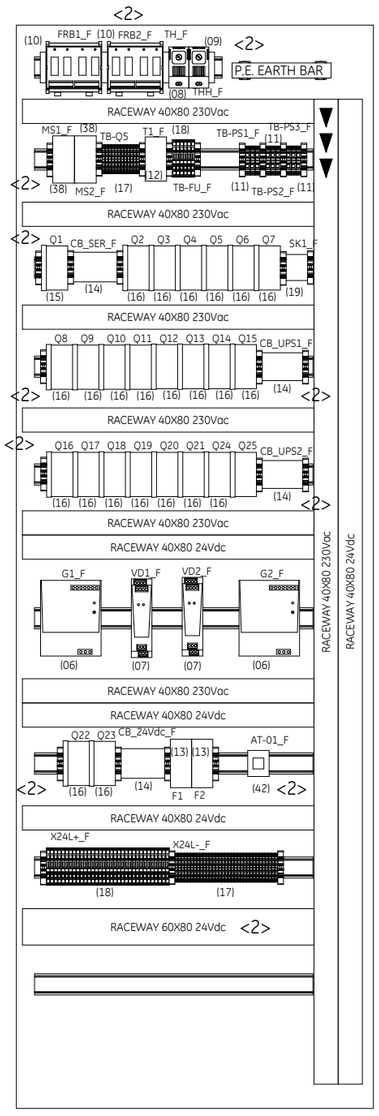
DRAWING NO. 1724000594-IN-DA-00010

SHEET 015

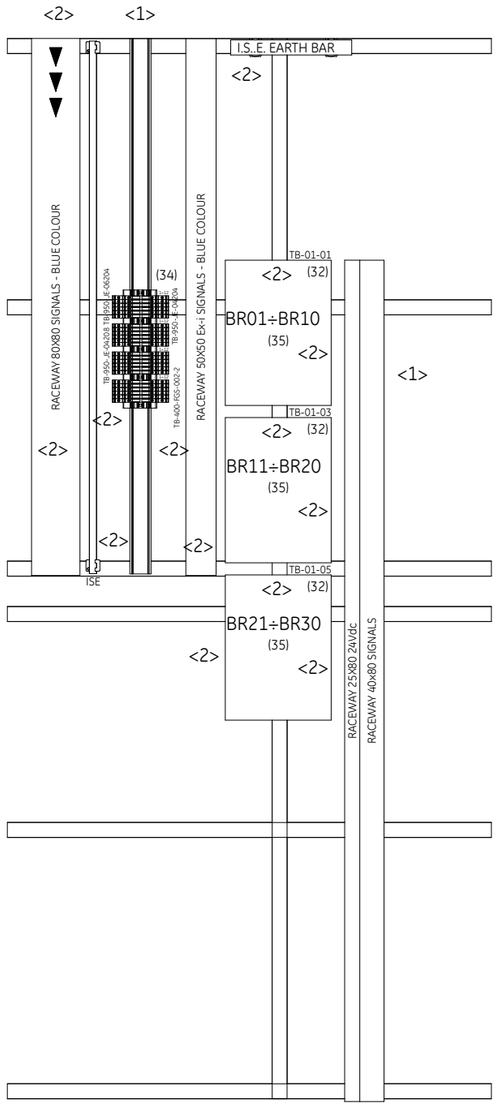
REV. 2

FGS PANEL - RIGHT/LEFT SIDE INTERNAL VIEWS

LEFT SIDE (A)

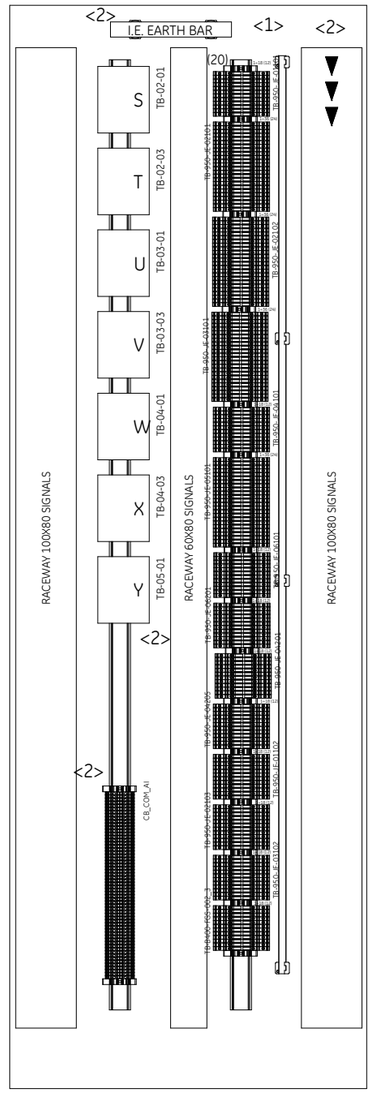


LEFT SIDE (C)



DEVICE "S" ÷ "Y"
SBA4D-06 (33)

RIGHT SIDE (C)



= CABLE ENTRY

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS - RIGHT/LEFT SIDE INTERNAL VIEWS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 016

REV. 2

SHEET LEFT INTENTIONALLY BLANK

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SPARE PAGE

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

SCALE : 1

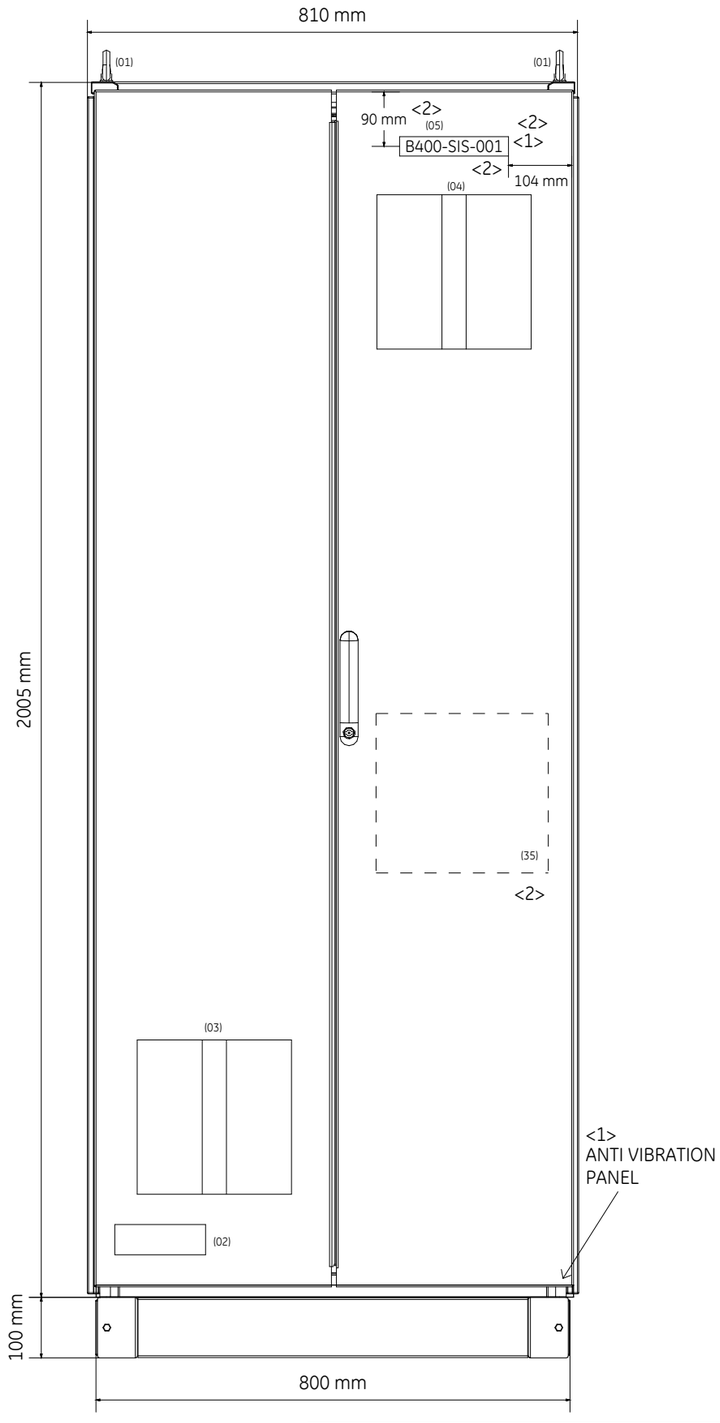
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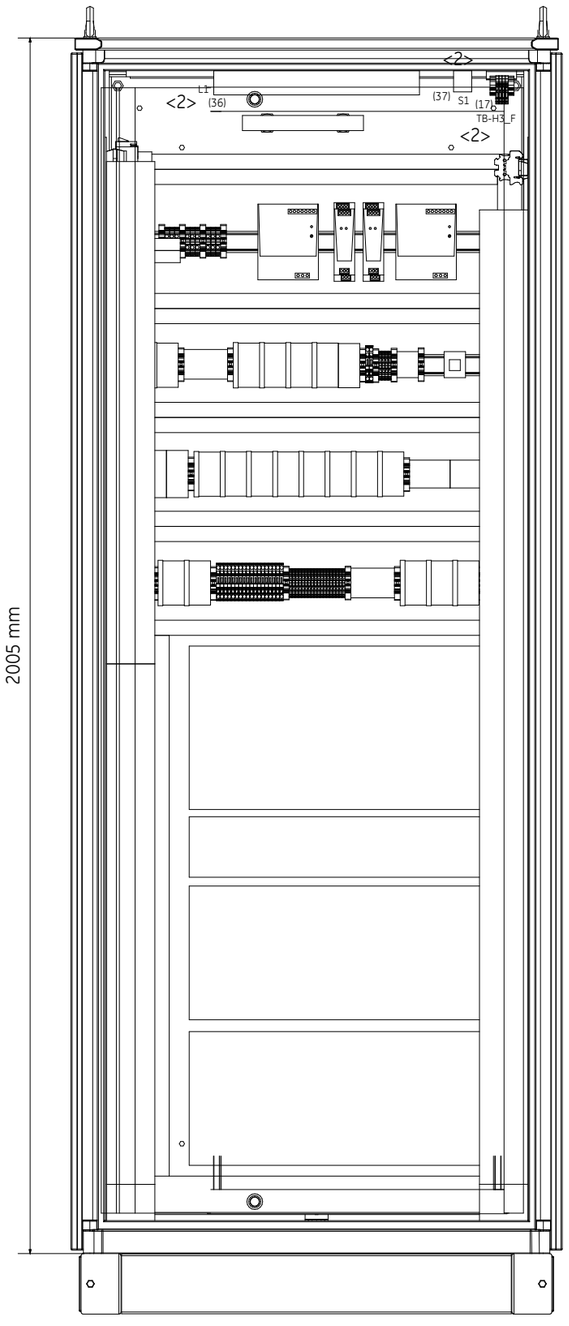
DRAWING NO. 1724000594-IN-DA-00010

SHEET 017

REV. 2

SIS PANEL - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SIS - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW

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

SCALE : 1

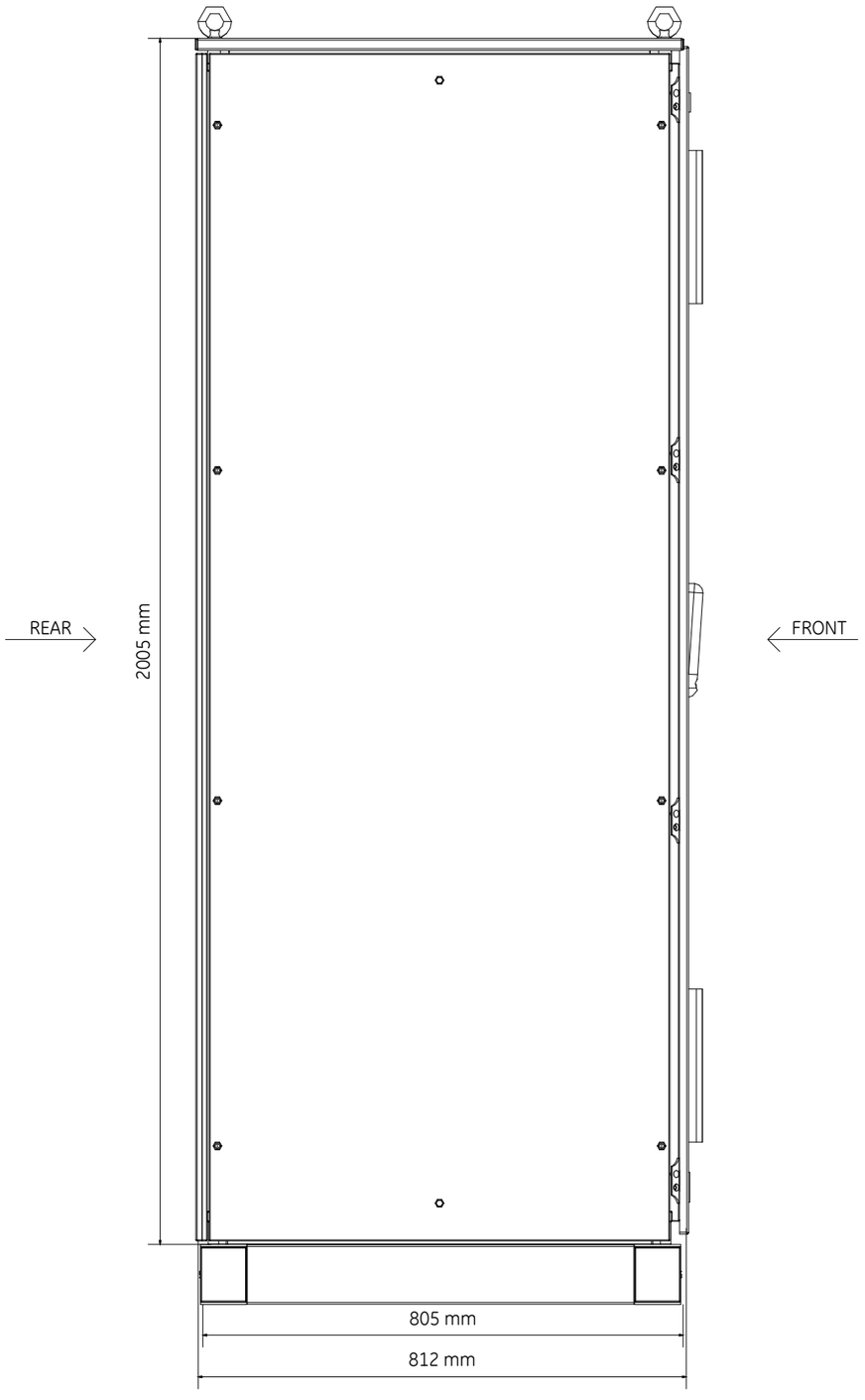
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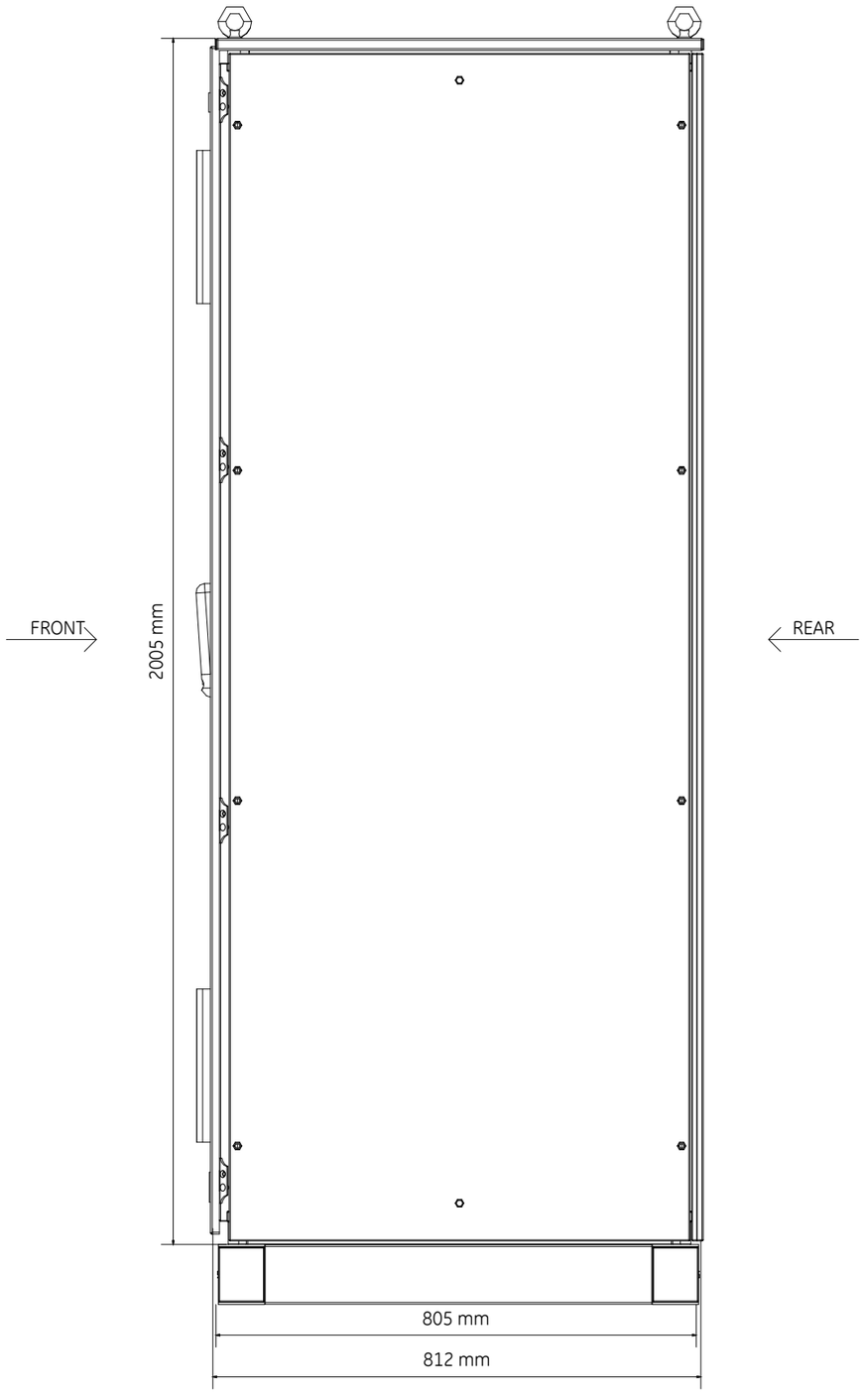
DRAWING NO. 1724000594-IN-DA-00010

SHEET 018

REV. 2

SIS PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SIS - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW

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

SCALE : 1

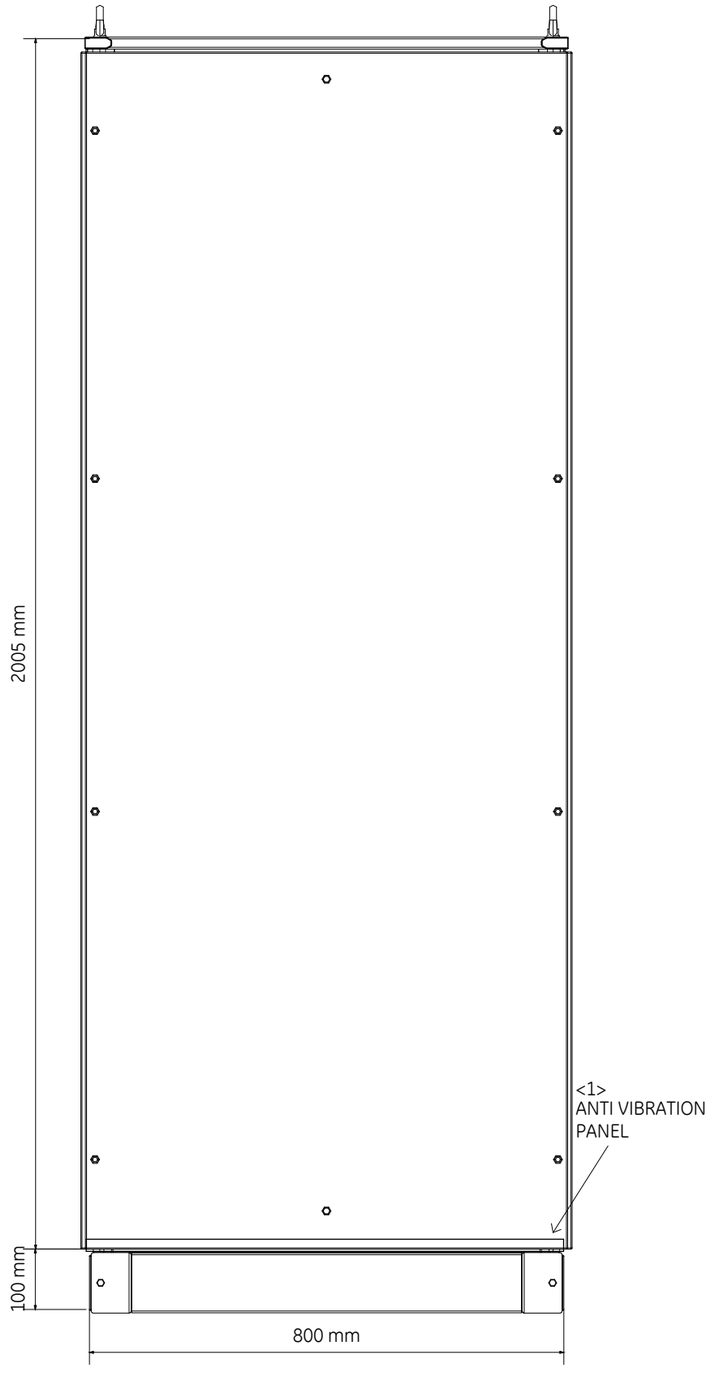
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DRAWING NO. 1724000594-IN-DA-00010

SHEET 019

REV. 2

SIS PANEL - EXTERNAL REAR VIEW



DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SIS - EXTERNAL REAR VIEW

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 020

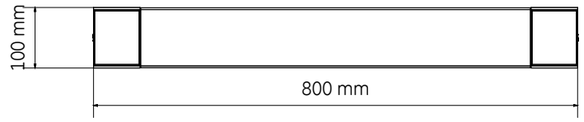
REV. 2

SIS PANEL - BASEPLATE DETAILS

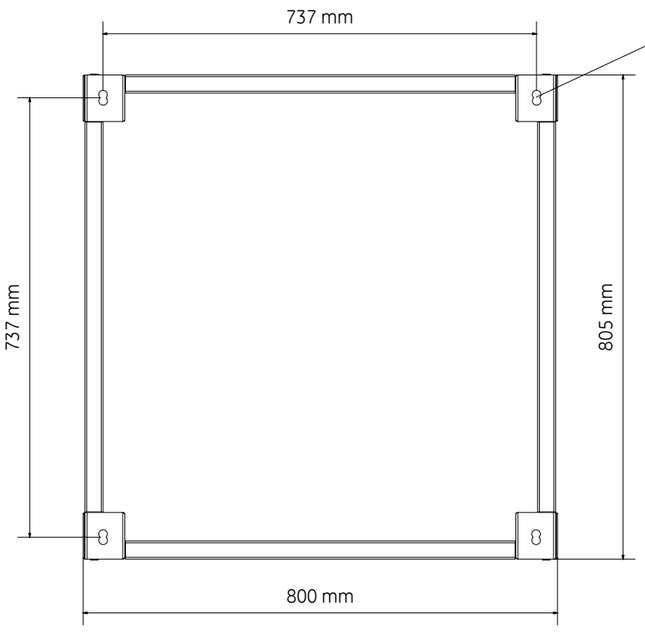
BASEPLATE SIDE VIEW



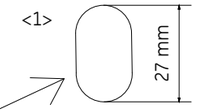
BASEPLATE FRONT VIEW



BASEPLATE BOTTOM VIEW
REAR SIDE



FRONT SIDE



DETAIL OF FIXING HOLE:

Ø 16mm

DRAWING SCALE 1:10

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND | ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SIS - BASEPLATE DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 021

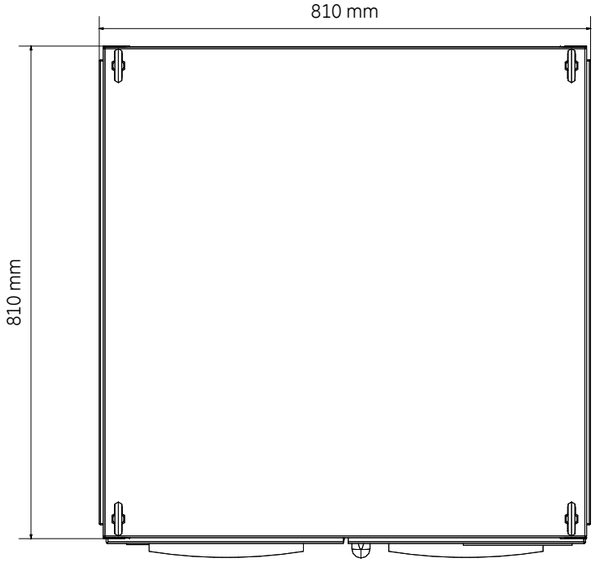
REV. 2

SIS PANEL - EXTERNAL & INTERNAL TOP VIEW

EXTERNAL TOP VIEW

<1>

REAR

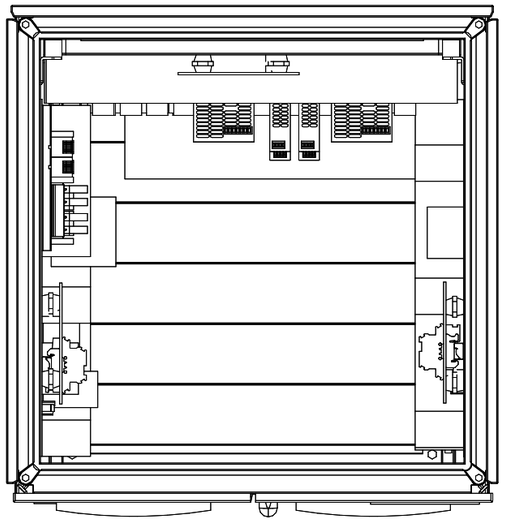


FRONT

INTERNAL TOP VIEW

<1>

REAR

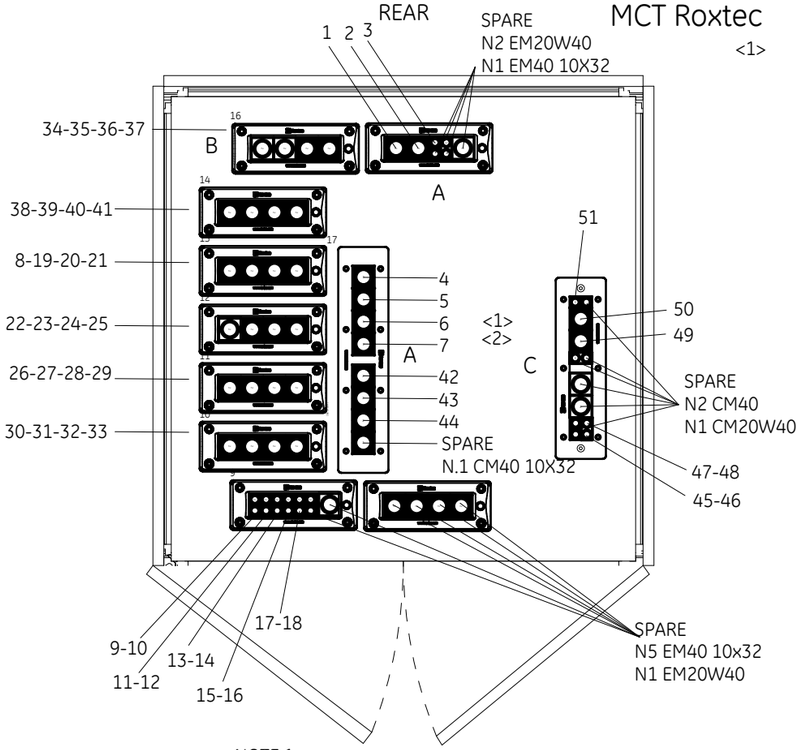


FRONT

EXTERNAL TOP VIEW (DOOR OPEN)

Cable Entry with MCT Roxtec

<1>



	CABLE TAG	CABLE TYPE	OUTER CABLE DIAMETER (mm)	MCT SIZE	LOC.	POSITION
	00-JE-21001/B400-SIS-001	12x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM40	C	49
	00-JE-21002/B400-SIS-001	6x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	25.2	CM40	C	50
	C-63-PT-004/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	CM20W40	C	51
	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM 40	A	4
	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM 40	A	5
	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM 40	A	6
	00-JE-22002_2 / B400-SIS-001	12x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	32.9	CM 40	A	7
	P320PLC/B400-SIS-001	2x2x0.75 mm2, Sh+ShT+ARM, F.Res, ORANGE, NIS	19.3	EM40 10-32	A	8
	C-20-XA-003/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	9
	C-80-XA-003/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	10
	C-50-XA-003/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	11
	C-63-XA-003/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	12
	C-64-XA-003/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	13
	C-77-XA-001/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	14
	C-77-XA-002/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	15
	C-77-XA-003/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	16
	C-77-XA-004/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	17
	C-NC-200F2/B400-SIS-001	1x2x0.75 mm2, ShT+ARM, F.Res, ORANGE, NIS	11.7	EM20W40	A	18
	00-JE-23001/B400-SIS-001	24x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	32.9	EM40 10-32	A	19
	00-JE-23002/B400-SIS-001	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10-32	A	20
	C-85-XS-001/B-400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	21
	C-20-XS-001/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	22
	C-80-XS-001/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	23
	C-50-XS-001/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	24
	C-63-XS-001/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	25
	C-64-XS-001/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	26
	C-77-XS-001/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	27
	C-77-XS-002/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	28
	C-77-XS-003/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	29
	C-77-XS-004/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	30
	C-CP-100E1/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	31
	C-SG-100D1-001/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	32
	C-SG-100D1-002/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	33
	C-SG-100D1-003/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	34
	C-CB-200F1/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	35
	C-UP-200F1/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	36
	C-SG-200N1-001/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	37
	C-SG-200N1-002/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	38
	C-UP-200F3/B400-SIS-001	12x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	24.2	EM40 10-32	A	39
	C-CB-200F3A/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	40
	C-CB-200F3B/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	EM40 10-32	A	41
	C-CB-200F4A/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	CM40 10-32	A	42
	C-CB-200F4B/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	CM40 10-32	A	43
	C-UP-200F4/B400-SIS-001	2x2.5 mm2, ShT+ARM, F.Res, ORANGE, NIS	14.1	CM40 10-32	A	44
<2>	B100-NET1-A9	CAT.6A 4x2xAWG23. Sh+Sht+ARM, F Ret, GREY, NIS	10.7	EM20W40	A	45
<2>	B100-NET1-B9	CAT.6A 4x2xAWG23. Sh+Sht+ARM, F Ret, GREY, NIS	10.7	EM20W40	A	46
<2>	B100-NET1-A10	CAT.6A 4x2xAWG23. Sh+Sht+ARM, F Ret, GREY, NIS	10.7	EM20W40	A	47
<2>	B100-NET1-B10	CAT.6A 4x2xAWG23. Sh+Sht+ARM, F Ret, GREY, NIS	10.7	EM20W40	A	48
<2>	84301-CEL	3G2.5, ORANGE, NIS	15.5	EM40 10-32	B	1
<2>	84302-CEL	3G2.5, ORANGE, NIS	15.5	EM40 10-32	B	2
<2>	83104-CEL	3G2.5, GREY, NIS	13	EM20W40	B	3

NOTE 1: DOOR LOCK AT 90°

DRAWING SCALE 1:10

<1>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SIS - EXTERNAL & INTERNAL TOP VIEW

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

SCALE : 1

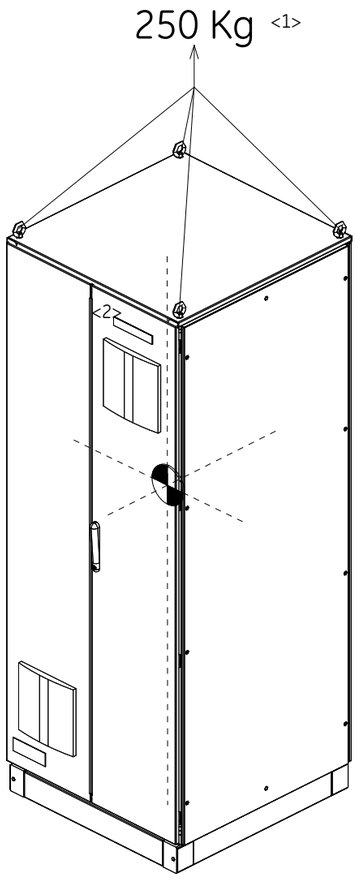
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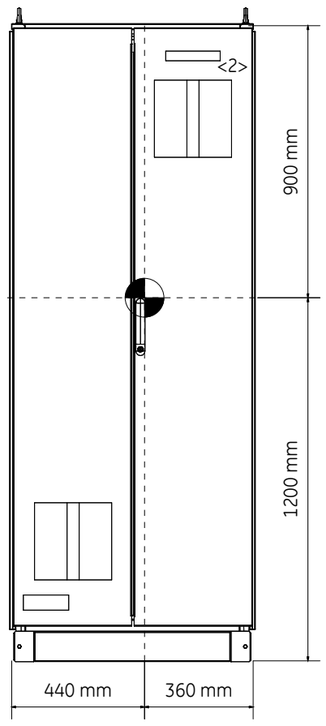
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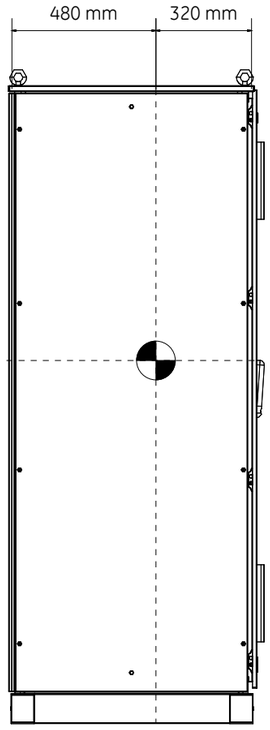
SHEET 022

REV. 2

SIS PANEL - LIFTING DETAILS







= CENTER OF GRAVITY

DRAWING SCALE 1:20
ALL QUOTES SHOWN ARE APPROXIMATE VALUE

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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SCALE : 1

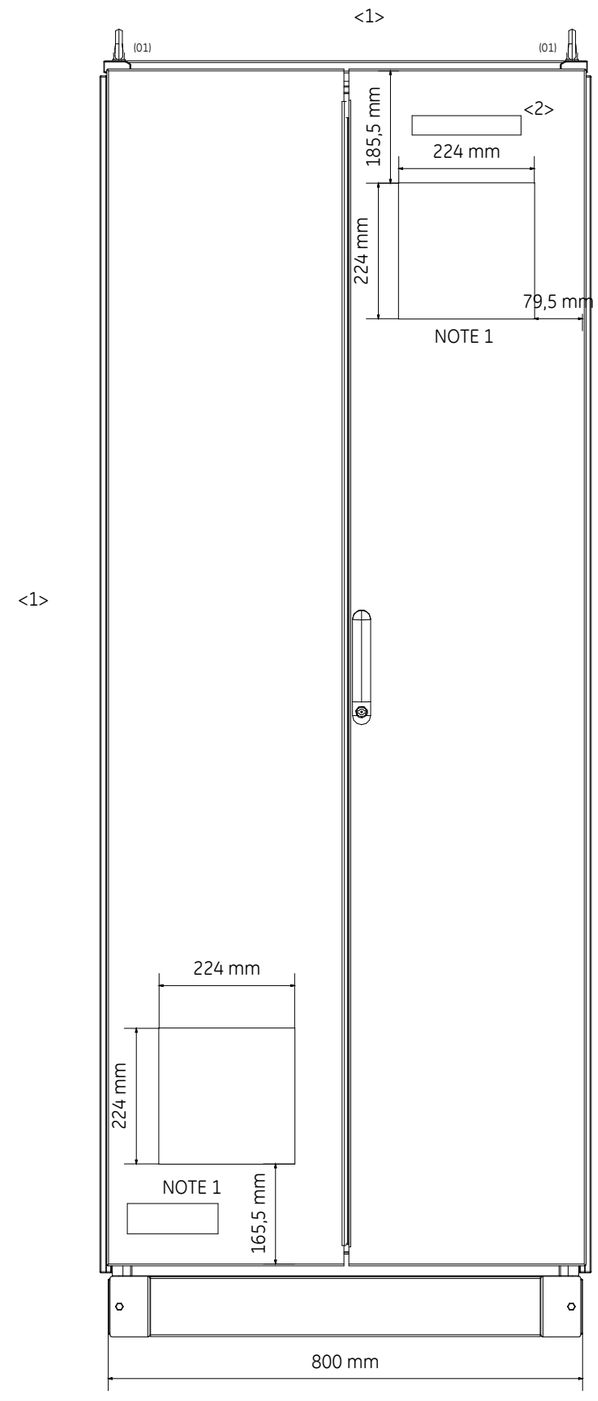
A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 023

REV. 2

SIS PANEL - FRONT DOOR CUT-OUT DETAILS



NOTE 1 : CUT-OUT FOR AIR VENTILATION FILTER

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SIS - FRONT DOOR CUT-OUT DETAILS

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

SCALE : 1

A3

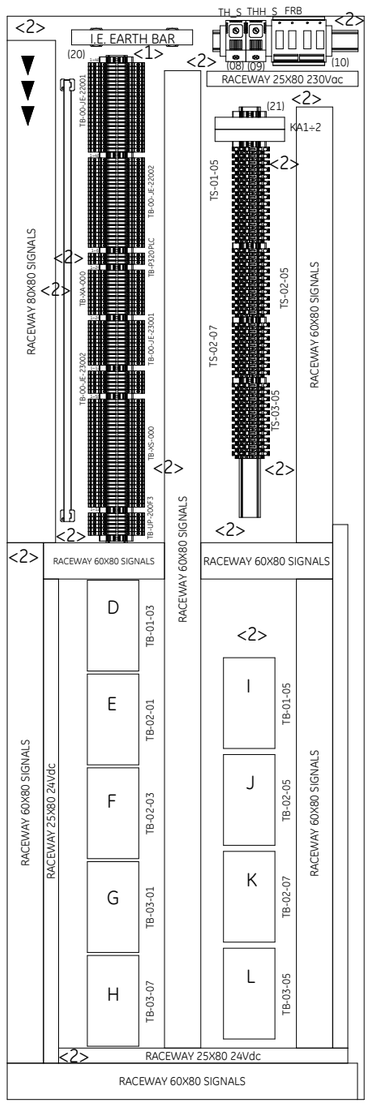
DRAWING NO.
1724000594-IN-DA-00010

SHEET 024

REV. 2

SIS PANEL - FRONT SIDE INTERNAL VIEWS

LEFT SIDE



DEVICE "D" ÷ "L"
SBD4D-06 (22)

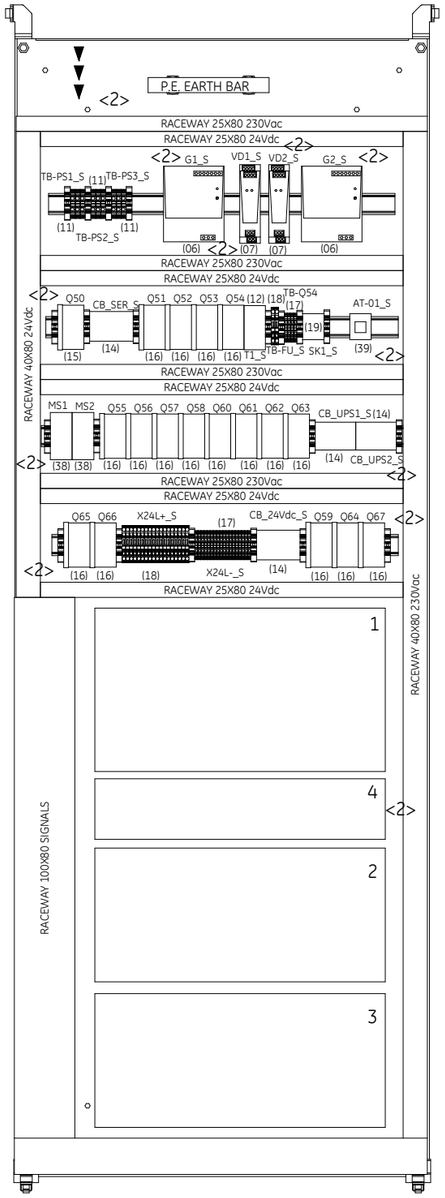
<1> DEVICE "1" <2>
(24) -S2SC70D-FA12010
(25) -N: 2: SAI143-H63
(26) -N: 2: SDV144-S63
(27) -N: 2: SDV541-S63
(28) -N: 2: SEC401-51 <2>
(29) -N: 2: S2CP471-01
(30) -N: 2: SPW482-53

<2> DEVICE "4"
(34) -AIP-602 <2>

DEVICE "2" <2>
(31) -SNB10D-425/CU2N
(26) -N: 4: SDV144-S63
<1> (27) -N: 4: SDV541-S63
(33) -N: 2: SSB401-53 <2>
(30) -N: 2: SPW482-53

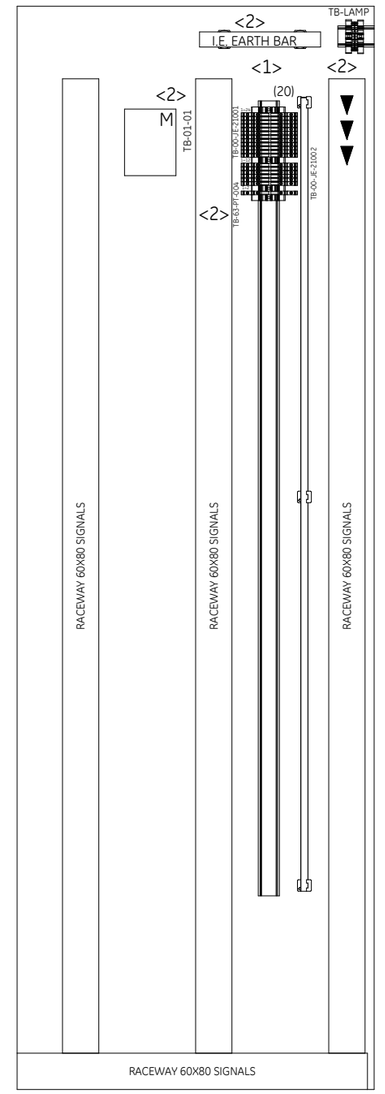
DEVICE "3" <2>
(32) N: 1: SNB10D-425/CU2T
(26) N: 2: SDV144-S63
<1> N: 2: SPARE
(27) N: 2: SDV541-S63
(26) N: 2: SDV144-S63
(33) N: 2: SSB401-53 <2>
(30) N: 2: SPW482-53

FRONT PLATE



RIGHT SIDE

DEVICE "M"
SBA4D-06 (23)



DRAWING SCALE 1:10

▼ = CABLE ENTRY

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SIS - 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-00010

SHEET 025

REV. 2

SHEET LEFT INTENTIONALLY BLANK

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

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 026

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-SIS_CLO

CROSSWIND | ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. 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-00010

SHEET 027

REV. 2

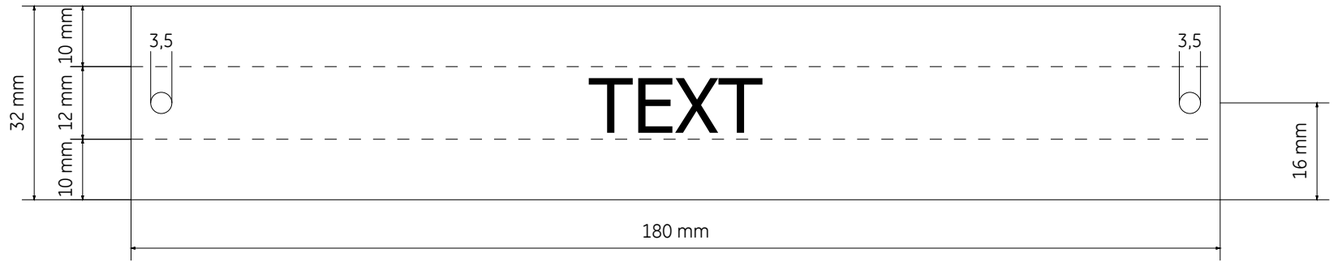
SIS & FGS PANELS - SECTION IDENTIFIER NAMEPLATE DETAILS

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
FGS SYSTEM CABINET	B400-FGS-001
FGS MARSHALLING CABINET 1	B400-FGS-002
FGS MARSHALLING CABINET 2	B400-FGS-003
SIS SYSTEM/MARSHALLING CABINET	B400-SIS-001

<2> <2> <2> <1>

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. 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-00010

SHEET 028

REV. 2

SHEET LEFT INTENTIONALLY BLANK

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 029

REV. 2

CERTIFICATION LABELS DETAILS

TYPICAL 05

LABEL FOR ITEM IDENTIFIER

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

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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-00010 - OUTLINE DRAWING

1724000594-IN-DG-00021 - SCHEMATIC DRAWING

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

Line 1: SHORT CIRCUIT CURRENT RATING: 10kA

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

Line 2: SHORT CIRCUIT CURRENT RATING: 10kA

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

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-SIS_CLO

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
CERTIFICATION LABEL

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 030

REV. 2

CERTIFICATION LABELS DETAILS

TYPICAL 05

LABEL FOR ITEM IDENTIFIER

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

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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-00010 - OUTLINE DRAWING

1724000594-IN-DG-00021 - SCHEMATIC DRAWING

Line 1: VOLTAGE 230 Vac / 50 Hz Line 1: CURRENT 3A (SIS)

Line 1: SHORT CIRCUIT CURRENT RATING: 10kA

Line 2: VOLTAGE 230 Vac / 50 Hz Line 2: CURRENT 3A (SIS)

Line 2: SHORT CIRCUIT CURRENT RATING: 10kA

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

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-SIS_CLO

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
CERTIFICATION LABEL

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 30A

REV. 2

FGS PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
01	REMOVABLE LIFTING LUGS -	MANUFACTURER STANDARD	NA001_01	12	MECHANICAL PART NAMEPLATE NOT REQUIRED
02	CABINET MANUFACTURER LABEL -	MANUFACTURER STANDARD	NA001_02	3	DETAILS ON SHEET 027 TYPICAL 02
03	AIR INLET FILTER -	AUGER STANDAR	NA001_03	3	MECHANICAL PART NAMEPLATE NOT REQUIRED
04	FRONT-MOUNTED AIR EXTRACTOR FAN (SUPPLIED WITH AIR FILTER) -	AUGER STANDARD	NA001_04	3	<2> EV1_F - EV2_F - EV3_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
05	SECTION IDENTIFICATION LABEL -	MANUFACTURER STANDARD	NA001_05	3	DETAILS ON SHEET 028 TYPICAL 03
06	POWER SUPPLY FEEDER MODULE INPUT 230Vac (AUTO-RANGING) - OUTPUT 24Vdc-20a	WEIDMULLER PRO ECO 480W 24V 20A <2> WDM.1469510000	NA001_06	2	<2> G1_F ÷ G2_F (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
07	DECOUPLING & PROTECTIVE DIODE FOR REDUNDANCY - 24Vdc -	WEIDMULLER PRO DM 20 WDM.2486080000	NA001_07	2	<2> VD1_F - VD2_F (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
08	THERMOSTAT FOR FAN ON/OFF CIRCUIT -	MANUFACTURER STANDARD <2>	NA001_08	1	TH_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
09	THERMOSTAT FOR HIGH TEMPERATURE ALARM -	MANUFACTURER STANDARD	NA001_09	1	THH_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
10	PRE-ASSEMBLED RELAY BOARD FOR FAN FAULT CIRCUIT -	PREI	NA001_10	2 <2>	<2> FRB1_F - FRB2_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
11	FEED-THROUGH TYPE TERMINAL SCREW TYPE - GREY COLOUR - SECTION 6mm²	PHOENIX CONTACT UT 6	NA001_11	9	TB-PS1_F ÷ TB-PS3_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
12	TRASFORMER 240Vac / 24Vac - 50Hz -	ABB TM10 EA2616	NA001_12	1	T1_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
13 <2>	FUSE HOLDER - 10A - 24Vdc -	EATON Z-SH	NA001_13	2	F1 - F2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
14	2 POLES COMMON BOX - 7 CONNECTION EACH POLE -	CABUR QBLOCK2P100A7	NA001_14	2	CB_SER_F - CB_24Vdc_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 031

REV. 2

FGS PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
15	PURE Id CIRCUIT BREAKER WITH AUXILIARY CONTACT 2 POLES - 240Vac - 50Hz - 25A - Id: 30mA	EATON FAZ SERIES	NA001_15	1	Q1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
16	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAKER - 115Vac / 240Vac <2> WITH AUXILIARY CONTACT <2>	EATON FAZ SERIES	NA001_16	21 <2>	Q2 ÷ Q21 - Q24 (INTERNAL LABEL) 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	39	TB-Q6 TB-Q7 - X24L-_F (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
18	TERMINALS - SPRING TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	PHOENIX CONTACT UT 4 HESI PXC.3214366	NA001_18	35	TB-FU_F - X24L+_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
19	SERVICE SOCKET INCLUDING SOCKET DIN MOUNTING KIT	MANUFACTURER STANDARD	NA001_19	1	SK1_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
20	SCREW TYPE TERMINALS - SECTION 4 <1> KNIFE DISCONNECT TYPE - GREY COLOUR	PHOENIX CONTACT UDMTK 5 <1> PXC.3048467	NA001_20	530 <2>	SEE PAGES 15-16 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
21	Safety Relay 24 Vdc, 5A -	P+F P+F - KFD0-RSH-1.4S.PS2	NA001_21	20 <2>	<2> KA1÷KA20 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
22	Analog Input Module -	YOKOGAWA SAI143-H63	NA001_22	<1> 20	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
23	ESB Bus Coupler Module -	YOKOGAWA SEC401-51 <2>	NA001_23	2 <2>	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
24	Processor Module -	YOKOGAWA S2CP471-01	NA001_24	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
25	220-240V AC Input Power Supply Module -	YOKOGAWA SPW482-53	NA001_25	12	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
26	Duplex Safety Control Unit -	YOKOGAWA S2SC70D-FA12010	NA001_26	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
27	Safety Node Unit -	YOKOGAWA SNB10D-425/CU2N	NA001_27	4	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
28	Digital Input Module -	YOKOGAWA SDV144-S63	NA001_28	<1> 12 <2>	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

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

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 032

REV. 2

FGS PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
29	Digital Output Module -	YOKOGAWA SDV541-S63	NA001_29	12	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
30	Safety Node Unit -	YOKOGAWA SNB10D-425/CU2T	NA001_30	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
31	TB for Digital DIN mount type -	YOKOGAWA SBD4D-06	NA001_31	12	<2> TB-05-03 ÷ TB-06-03 - TB-02-05 ÷ TB-06-05 TB-02-07 ÷ TB-06-07 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
32	ISOLATED BARRIERS AND TERMINATION BOARDS FOR YOKOGAWA PROSAFE -RS -16 AI <2> -	P+F HiCTB16-YRS-RRB-KS-CC-AI16	NA001_32	3 <2>	<2> TB-01-01 - TB-01-03 - TB-01-05 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
33	TB for Analog DIN mount type -	YOKOGAWA SBA4D-06	NA001_33	7 <2>	<2> TB-02-01 ÷ TB-05-01 - TB-02-03 ÷ TB-04-03 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
34	SCREW TYPE TERMINALS - SECTION 4 <1> KNIFE DISCONNECT TYPE - BLUE COLOUR <1>	PHOENIX CONTACT UDMTK 5-P/P BU <1> PXC.3101113	<1> NA001_34	24	SEE PAGE 16 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
35	IS BARRIER (ANALOG SIGNALS) <1> -	PEPPERL+FUCHS <1> HiC2025	NA001_35	30 <1>	BR01÷BR30 (INTERNAL LABEL) <1> EXTERNAL LABEL NOT REQUIRED
<2> 36	ESB BUS COUPLER SLAVE MODULE -	YOKOGAWA SSB401-53 <2>	NA001_36	10	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 37	FAN MODULE -	YOKOGAWA AIP-602	NA001_37	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 38	LINE IN SWITCH DISCONNECTOR - 32A - 230Vac -	LOVATO GA032A	NA001_38	2	MS1_F - MS2_F (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 39	DRAWING POCKET - GREY COLOUR -	MANUFACTURER STANDARD	NA001_39	1	MECHANICAL PART EXTERNAL LABEL NOT REQUIRED
<2> 40	INTERNAL LIGHT -	MANUFACTURER STANDARD	NA001_40	3	L1 ÷ L3 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 41	INTERNAL LIGHT SWITCH -	MANUFACTURER STANDARD	NA001_41	3	S1 ÷ S3 (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
<2> 42	SELECTOR WITH KEY -	MANUFACTURER STANDARD	NA001_42	1	AT-01_F (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.09.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)
0	29.05.2024	A.G.	A.B.	S.C.	Issue for Review (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 033

REV. 2

FGS PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
<2> 43	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAKER - 24Vdc WITH AUXILIARY CONTACT	EATON FAZ SERIES	NA001_43	2	Q22 ÷ Q23 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					

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)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
FGS MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 33A

REV. 2

SIS 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 027 TYPICAL 02
03	AIR INLET FILTER -	AUGER STANDAR	NA001_03	1	MECHANICAL PART NAMEPLATE NOT REQUIRED
04	FRONT-MOUNTED AIR EXTRACTOR FAN (SUPPLIED WITH AIR FILTER) -	AUGER STANDARD	NA001_04	1	<2> EV1_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
05	SECTION IDENTIFICATION LABEL -	MANUFACTURER STANDARD	NA001_05	1	DETAILS ON SHEET 028 TYPICAL 03
06	POWER SUPPLY FEEDER MODULE INPUT 230Vac (AUTO-RANGING) - OUTPUT 24Vdc-20a	WEIDMULLER PRO ECO 480W 24V 20A <2> WDM.1469510000	NA001_06	2	<2> G1_S ÷ G2_S (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
07	DECOUPLING & PROTECTIVE DIODE FOR REDUNDANCY - 24Vdc -	WEIDMULLER PRO DM 20 WDM.2486080000	NA001_07	2	<2> VD1_S - VD2_S (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
08	THERMOSTAT FOR FAN ON/OFF CIRCUIT -	MANUFACTURER STANDARD <2>	NA001_08	1	TH_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
09	THERMOSTAT FOR HIGH TEMPERATURE ALARM -	MANUFACTURER STANDARD	NA001_09	1	THH_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
10	PRE-ASSEMBLED RELAY BOARD FOR FAN FAULT CIRCUIT -	PREI	NA001_10	1	<2> FRB (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
11	FEED-THROUGH TYPE TERMINAL SCREW TYPE - GREY COLOUR - SECTION 6mm²	PHOENIX CONTACT UT 6	NA001_11	9	TB-PS1_S ÷ TB-PS3_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
12	TRASFORMER 240Vac / 24Vac - 50Hz -	ABB TM10 EA2616	NA001_12	1	T1_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 13	- -	-	-	-	- -
14	2 POLES COMMON BOX - 7 CONNECTION EACH POLE -	CABUR QBLOCK2P100A7	NA001_14	4 <2>	CB_UPS1_S - CB_UPS2_S - CB_SER_S - CB_24Vdc_S (INTERNAL LABEL) <2> EXTERNAL LABEL NOT REQUIRED

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SIS MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 034

REV. 2

SIS PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
15	PURE Id CIRCUIT BREAKER WITH AUXILIARY CONTACT 2 POLES - 240Vac - 50Hz - 25A - Id: 30mA	EATON FAZ SERIES	NA001_15	1	Q50 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
16	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAKER - 115Vac / 240Vac <2> WITH AUXILIARY CONTACT <2>	EATON FAZ SERIES	NA001_16	16 <2>	<2> Q51 ÷ Q64 - Q67 - Q68 (INTERNAL LABEL) 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	22 <2>	<2> TB-Q54 - X24L-_S (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
18	TERMINALS - SPRING TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	PHOENIX CONTACT UT 4 HESI PXC.3214366	NA001_18	20 <2>	TB-FU_S - X24L+_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
19	SERVICE SOCKET INCLUDING SOCKET DIN MOUNTING KIT	MANUFACTURER STANDARD	NA001_19	1	SK1_S (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
20	SCREW TYPE TERMINALS - SECTION 4 <1> KNIFE DISCONNECT TYPE - GREY COLOUR	PHOENIX CONTACT UDMTK 5 <1> PXC.3048467	NA001_20	<1> 270 <2>	<1> SEE PAGES 25 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
21	Safety Relay 24 Vdc, 5A -	P+F P+F - KFD0-RSH-1.4S.PS2	NA001_21	2 <2>	<2> KA1÷KA2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
22	TB for Digital DIN mount type -	YOKOGAWA SBD4D-06	NA001_22	9	TB-02-01 ÷ TB-03-01 - TB-01-03 ÷ TB-02-03 - TB-01-05 ÷ TB-03-05 <2> TB-02-07 ÷ TB-03-07 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
23	TB for Analog DIN mount type -	YOKOGAWA SBA4D-06	NA001_23	1	<2> TB-01-01 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
24	Duplex Safety Control Unit -	YOKOGAWA S2SC70D-FA12010	NA001_24	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
25	Analog Input Module -	YOKOGAWA SAI143-H63	NA001_25	2 <1>	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
26	Digital Input Module -	YOKOGAWA SDV144-S63	NA001_26	8 <1>	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
27	Digital Output Module -	YOKOGAWA SDV541-S63	NA001_27	8 <1>	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
28	ESB Bus Coupler Module -	YOKOGAWA SEC401-51 <2>	NA001_28	2 <1> <2>	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SAFETY SYSTEMS CABINET (SIS & FGS) GEN. ARR. DRW AND INT. LAYOUT
SIS MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 035

REV. 2

SIS PANEL COMPONENT LIST

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
29	Processor Module -	YOKOGAWA S2CP471-01	NA001_29	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
30	220-240V AC Input Power Supply Module -	YOKOGAWA SPW482-53	NA001_30	6 <1>	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
31	Safety Node Unit -	YOKOGAWA SNB10D-425/CU2N	NA001_31	1 <1>	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
32	Safety Node Unit -	YOKOGAWA SNB10D-425/CU2T	NA001_32	1 <1>	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 33	ESB BUS COUPLER SLAVE MODULE -	YOKOGAWA SB401-53	NA001_33	4	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 34	FAN MODULE -	YOKOGAWA AIP-602	NA001_34	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 35	DRAWING POCKET - GREY COLOUR -	MANUFACTURER STANDARD	NA001_35	1	MECHANICAL PART EXTERNAL LABEL NOT REQUIRED
<2> 36	INTERNAL LIGHT -	MANUFACTURER STANDARD	NA001_36	1	L1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 37	INTERNAL LIGHT SWITCH -	MANUFACTURER STANDARD	NA001_37	1	S1 (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
<2> 38	LINE IN SWITCH DISCONNECTOR - 32A - 230Vac -	LOVATO GA032A	NA001_38	2	MS1 - MS2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<2> 39	SELECTOR WITH KEY -	MANUFACTURER STANDARD	NA001_39	1	AT-01_S (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
<2> 40	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAKER - 24Vdc WITH AUXILIARY CONTACT	EATON FAZ SERIES	NA001_40	2	Q65 ÷ Q66 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
41	- -	- -	-	-	- -
42	- -	- -	-	-	- -

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YOKOGAWA ◆ PROJECT Nr. E36672C00
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CROSSWIND

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A3

DRAWING NO. 1724000594-IN-DA-00010

SHEET 036

REV. 2