BASE LOAD POWER HUB (BLPH)
SIS AND FGS
WIRING DIAGRAMS AND TERMINAL STRIPS

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
COVER PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 001

REV. 2

PAG. NR.	REVISION									TITLE
	0	1	2	3	4	5	6	7	8	
001	X	X	X							BASE LOAD POWER HUB (BLPH) COVER PAGE
002	X	X	X							BASE LOAD POWER HUB (BLPH) INDEX
003			X							BASE LOAD POWER HUB (BLPH) INDEX
03A	X									BASE LOAD POWER HUB (BLPH) LEGEND
004	X	X								BASE LOAD POWER HUB (BLPH) SYMBOL LEGEND
005	X	X								BASE LOAD POWER HUB (BLPH) TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS
006	X		X							BASE LOAD POWER HUB (BLPH) FGS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1
007	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1
008	X		X							BASE LOAD POWER HUB (BLPH) FGS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2
009	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2
010	X									BASE LOAD POWER HUB (BLPH) FGS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS
011	X									BASE LOAD POWER HUB (BLPH) FGS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS
012	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN
013		X								BASE LOAD POWER HUB (BLPH) FGS PANEL - 230Vac 50Hz POWER DISTRIBUTION SECURITY PROSAFE FAN
014	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
015	X	X								BASE LOAD POWER HUB (BLPH) FGS PANEL - 230Vac / 24Vdc POWER DISTRIBUTION
016	X		X							BASE LOAD POWER HUB (BLPH) FGS PANEL - TB FAULT SIGNALS
017	X	X								BASE LOAD POWER HUB (BLPH) FGS PANEL - BREAKER FAULT ALARM CIRCUIT
018	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - SHIELD / GROUND CONNECTION
019	X		X							BASE LOAD POWER HUB (BLPH) 24Vdc POWER DISTRIBUTION

PAG. NR.	REVISION									TITLE
	0	1	2	3	4	5	6	7	8	
020	X	X	X							BASE LOAD POWER HUB (BLPH) 24Vdc POWER DISTRIBUTION
021	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - FAULT ALARM SIGNALS TO DCS & "GDZ" SIGNALS P.S.
022	X		X							BASE LOAD POWER HUB (BLPH) FGS PANEL - RACK "1" POWER DISTRIBUTION
023	X		X							BASE LOAD POWER HUB (BLPH) FGS PANEL - RACK "2" POWER DISTRIBUTION
024	X		X							BASE LOAD POWER HUB (BLPH) FGS PANEL - RACK "3" POWER DISTRIBUTION
025	X		X							BASE LOAD POWER HUB (BLPH) FGS PANEL - RACK "4" POWER DISTRIBUTION
026	X		X							BASE LOAD POWER HUB (BLPH) FGS PANEL - RACK "5" POWER DISTRIBUTION
027	X		X							BASE LOAD POWER HUB (BLPH) FGS PANEL - RACK "6" POWER DISTRIBUTION
028	X	X								BASE LOAD POWER HUB (BLPH) FGS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT
029	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - TYPICAL WIRING ANALOG INPUT
030	X	X								BASE LOAD POWER HUB (BLPH) SPARE PAGE
031	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - DIGITAL INPUT SIGNALS
032	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - DIGITAL INPUT SIGNALS
033	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - DIGITAL INPUT SIGNALS
034	X	X								BASE LOAD POWER HUB (BLPH) SPARE PAGE
035	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - DIGITAL OUTPUT SIGNALS
036	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - DIGITAL OUTPUT SIGNALS
037	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - DIGITAL OUTPUT SIGNALS
038	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - DIGITAL OUTPUT SIGNALS
039	X	X								BASE LOAD POWER HUB (BLPH) SPARE PAGE

PAG. NR.	REVISION									TITLE
	0	1	2	3	4	5	6	7	8	
040	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - NIS ANALOG INPUT SIGNALS
041	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - NIS ANALOG INPUT SIGNALS
042	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - NIS ANALOG INPUT SIGNALS
043	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - NIS ANALOG INPUT SIGNALS
044	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - NIS ANALOG INPUT SIGNALS
045	X	X								BASE LOAD POWER HUB (BLPH) SPARE PAGE
046	X	X	X							BASE LOAD POWER HUB (BLPH) FGS PANEL - IS ANALOG INPUT SIGNALS
047	X		X							BASE LOAD POWER HUB (BLPH) SIS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1
048		X								BASE LOAD POWER HUB (BLPH) SIS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1
049	X		X							BASE LOAD POWER HUB (BLPH) SIS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2
050		X								BASE LOAD POWER HUB (BLPH) SIS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2
051	X									BASE LOAD POWER HUB (BLPH) SIS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS
052	X									BASE LOAD POWER HUB (BLPH) SIS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS
053	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN
054		X								BASE LOAD POWER HUB (BLPH) SIS PANEL - 230Vac 50Hz POWER DISTRIBUTION SECURITY PROSAFE FAN
055	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
056	X	X								BASE LOAD POWER HUB (BLPH) SIS PANEL - 230Vac / 24Vdc POWER DISTRIBUTION
057	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
058	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - BREAKER FAULT ALARM CIRCUIT
059	X		X							BASE LOAD POWER HUB (BLPH) SIS PANEL - SHIELD / GROUND CONNECTION

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
INDEX

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 002

REV. 2

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
060	X		X							BASE LOAD POWER HUB (BLPH) SIS PANEL - TB FAULT SIGNALS
061	X	X	X							BASE LOAD POWER HUB (BLPH) 24Vdc POWER DISTRIBUTION
062	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - FAULT ALARM SIGNALS TO DCS
063	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - RACK "1" POWER DISTRIBUTION
064	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - RACK "2" POWER DISTRIBUTION
065	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - RACK "3" POWER DISTRIBUTION
066	X									BASE LOAD POWER HUB (BLPH) SIS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT
067	X									BASE LOAD POWER HUB (BLPH) SIS PANEL - TYPICAL WIRING ANALOG INPUT
068	X	X								BASE LOAD POWER HUB (BLPH) SPARE PAGE
069	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - DIGITAL OUTPUT SIGNALS
070	X	X								BASE LOAD POWER HUB (BLPH) SIS PANEL - DIGITAL OUTPUT SIGNALS
071	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - DIGITAL OUTPUT SIGNALS
072	X	X								BASE LOAD POWER HUB (BLPH) SPARE PAGE
073	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - DIGITAL INPUT SIGNALS
074	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - DIGITAL INPUT SIGNALS
075	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - DIGITAL INPUT SIGNALS
076	X	X								BASE LOAD POWER HUB (BLPH) SPARE PAGE
077	X	X	X							BASE LOAD POWER HUB (BLPH) SIS PANEL - ANALOG INPUT SIGNALS

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

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)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
INDEX

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

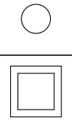
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 003

REV. 2

NUMBER	SYMBOL	REFERENCE	DESCRIPTION
01		IEC 60417-5031	DIRECT CURRENT
02		IEC 60417-5032	ALTERNATING CURRENT
03		IEC 60417-5033	BOTH DIRECT AND ALTERNATING CURRENT
04		.	THREE-PHASE ALTERNATING CURRENT
05		IEC 60417-5017	EARTH (GROUND) TERMINAL
06		IEC 60417-5019	PROTECTIVE CONDUCTOR TERMINAL
07		IEC 60417-5020	FRAME OR CHASSIS TERMINAL
08		IEC 60417-5021	EQUIPOTENTIALITY
09		IEC 60417-5007	ON (SUPPLY)
10		IEC 60417-5008	OFF (SUPPLY)
11		IEC 60417-5172	EQUIPMENT PROTECTED THROUGHOUT BY DOUBLE INSULATION OR REINFORCED INSULATION
12		.	CAUTION RISK OF ELECTRIC SHOCK
13		IEC 60417-5041	CAUTION HOT SURFACE
14		ISO 7000-0434	CAUTION RISK OF DANGER
15		IEC 60417-5266	IN POSITION OF A BI-STABLE PUSH CONTROL
16		IEC 60417-5269	OUT POSITION OF A BI-STABLE PUSH CONTROL

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CROSSWIND

ROSETTI MARINO

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SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
LEGEND

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

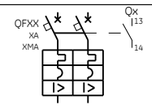
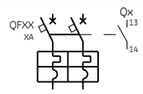
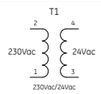
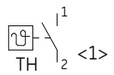
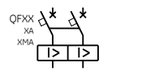
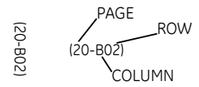
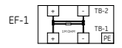
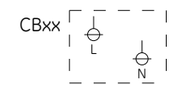
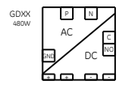
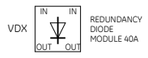
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 03A

REV. 2

	ROTATIVE MAIN SWITCH -		ELECTRIC FAN WITH FAULT DETECTION		I.S. BARRIER (NOTE: AB-xx FOR ACTIVE BARRIERS, ZB-xx FOR ZENER BARRIERS)
	DIFFERENTIAL RESIDUAL CURRENT CIRCUIT BREAKER WITH AUXILIARY CONTACT		PANEL ELECTRIC HEATER -		GALVANIC ISOLATOR -
	AUTOMATIC CIRCUIT BREAKER WITH AUXILIARY CONTACT		AC/AC VOLTAGE TRANSFORMER -		FUSED TERMINAL -
	DISCONNECTOR WITH FUSE -		THERMOSTATE NO CONTACT -		KNIFE TERMINAL -
	PURE RESIDUAL CURRENT CIRCUIT BREAKER		NO CONTACT -		FEED THROUGH TERMINAL -
	SURGE ARRESTOR -		NC CONTACT -		PAGE CROSS REFERENCE INDICATION -
	LINE FILTER MODULE -		DOOR LIMIT SWITCH -		COMMON BOX -
	SERVICE SOCKET -		FRONT PANEL ALARM BUZZER -		- -
	AC/DC FEEDER -		INTERNAL LIGHT OR FRONT PANEL LIGHT		- -
	REDUNDANCY DIODE MODULE -		MUSHROOM PUSHBUTTON INDICATOR NORMAL PUSHBUTTON INDICATOR		- -
	RELAYS -		ROTATIVE SELECTOR INDICATOR -		- -
	- -		RESISTOR -		- -
	- -		- -		- -

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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SYMBOL LEGEND

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

SCALE : 1

A3

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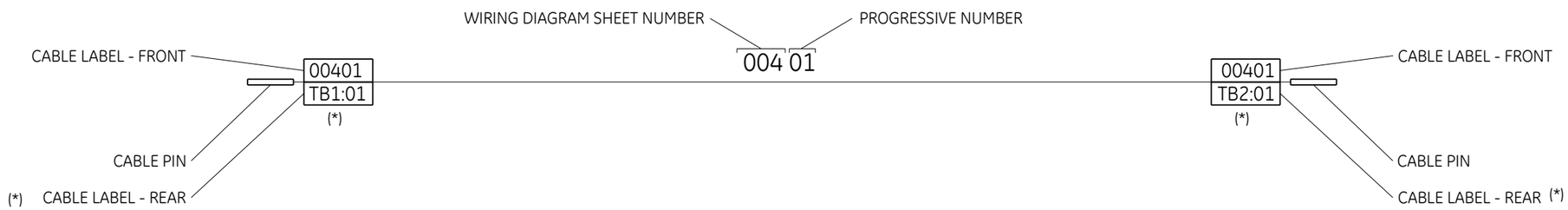
SHEET 004

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	○○○○○○○○○○○○○○○
I.E. EARTH	○○○○○○○○○○○○○○○
I.S.E. EARTH	○○○○○○○○○○○○○○○

EARTH ACRONYMS LEGEND :

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

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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 005

REV. 2

FGS PANEL - POWER DISTRIBUTION FROM UPS LINE 1

230Vac-50Hz
FROM UPS#1
(BY CUSTOMER)

CUSTOMER CONNECTION POINT

TB-PS1_F 1 2 3

00601 BR 6 mm² — 00603 LB 6 mm² — 00611 YG 6 mm² — PE

CB_UPS1_F
(007-B02)

(007-C02)
(007-C02)

MS1_F
230Vac
32A

00604 BR 6 mm² — 00602 LB 6 mm²

	00605 BR 2,5 mm²	00606 LB 2,5 mm²	00607 BR 2,5 mm²	00608 LB 2,5 mm²	00609 BR 2,5 mm²	00610 LB 2,5 mm²	00612 BR 2,5 mm²	00613 LB 2,5 mm²	00614 BR 2,5 mm²	00615 LB 2,5 mm²
	Q6		Q7		Q8		Q9		Q10	
	230Vac 16A "C" CURVE		230Vac 6A "D" CURVE		230Vac 6A "D" CURVE		230Vac 6A "D" CURVE		230Vac 6A "D" CURVE	
	(017-B02)		(017-A02)		(017-A03)		(017-B03)		(017-C03)	
	01501 BR 2,5 mm²	01502 LB 2,5 mm²	02201 BR 1,5 mm²	02202 LB 1,5 mm²	02301 BR 1,5 mm²	02302 LB 1,5 mm²	02401 BR 1,5 mm²	02402 LB 1,5 mm²	02501 BR 1,5 mm²	02502 LB 1,5 mm²
	(015-B02)	(015-B02)	(022-G02)	(022-G02)	(023-G02)	(023-G02)	(024-G02)	(024-G02)	(025-G02)	(025-G02)
	POWER SUPPLY G1_F		POWER SUPPLY (1) RACK "1" PW482-51 <2>		POWER SUPPLY (1) RACK "2" PW482-51 <2>		POWER SUPPLY (1) RACK "3" PW482-51 <2>		POWER SUPPLY (1) RACK "4" PW482-51 <2>	

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CROSSWIND — ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1

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

SCALE : 1

A3

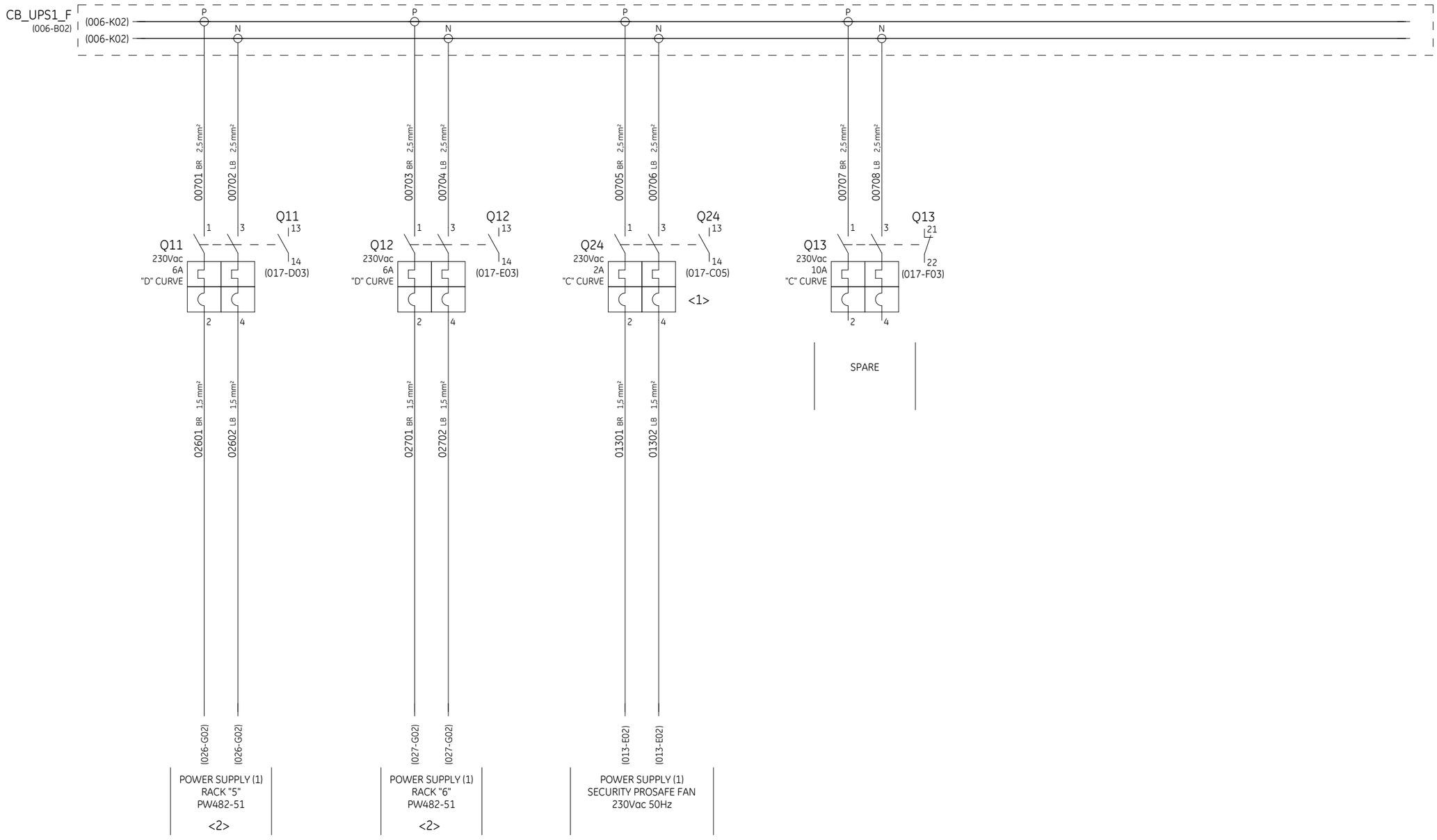
DRAWING NO. 1724000594-IN-DG-00021

SHEET 006

REV. 2

A B C D E F G H J K

FGS PANEL - POWER DISTRIBUTION FROM UPS LINE 1



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1

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

SCALE : 1

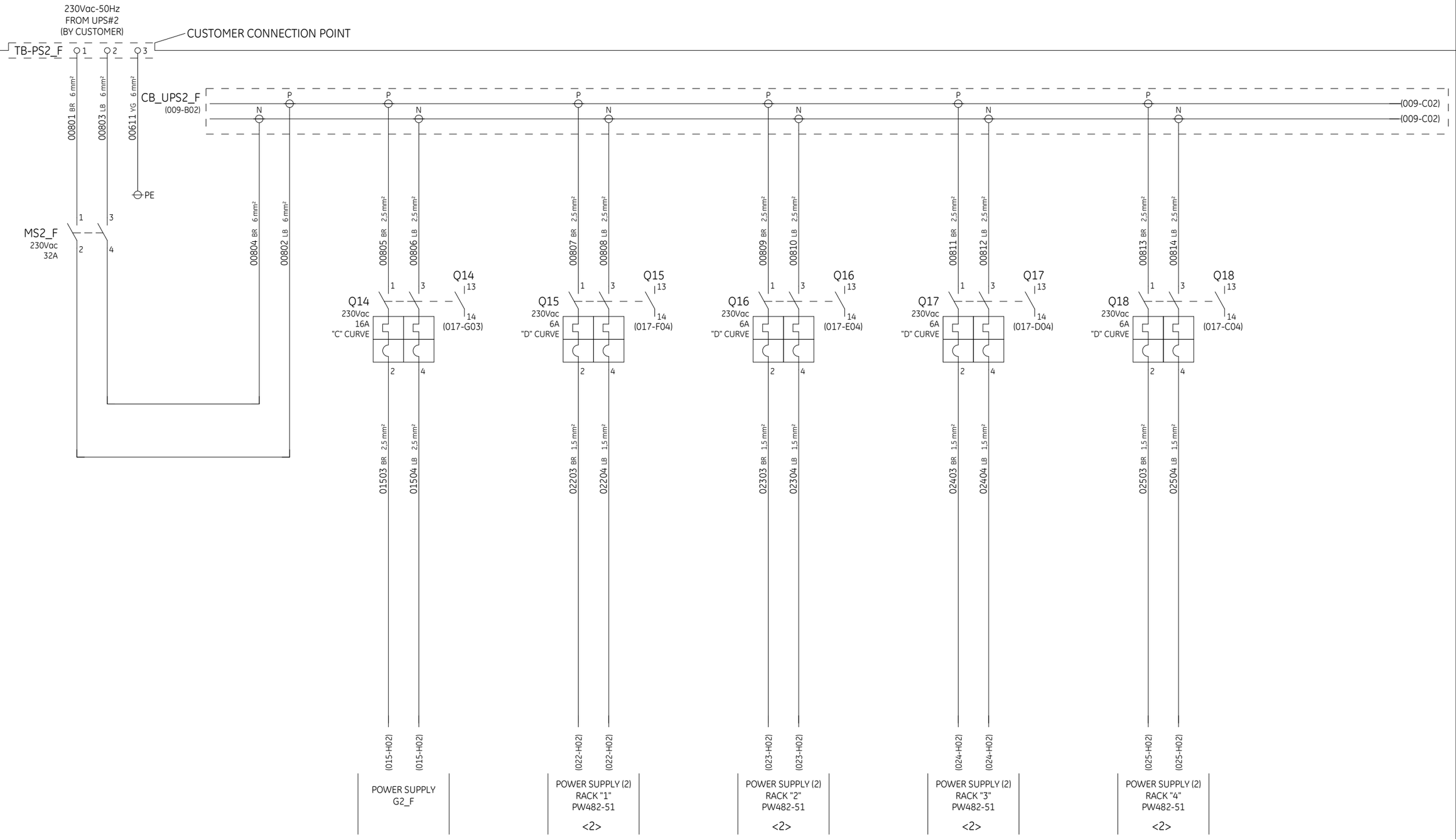
A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 007

REV. 2

FGS PANEL - POWER DISTRIBUTION FROM UPS LINE 2



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2

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

SCALE : 1

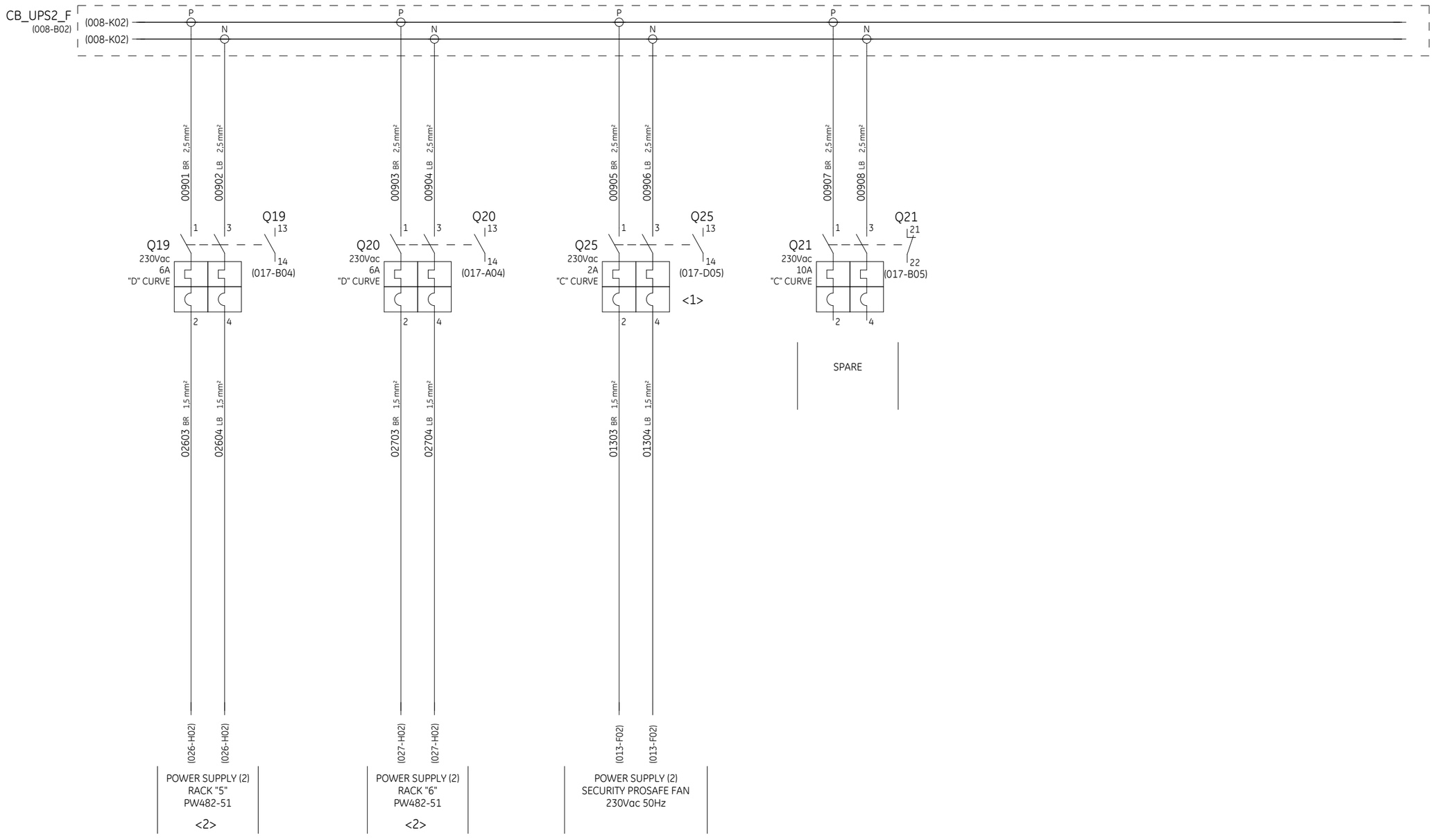
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DRAWING NO. 1724000594-IN-DG-00021

SHEET 008

REV. 2

FGS PANEL - POWER DISTRIBUTION FROM UPS LINE 2



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 009

REV. 2

FGS PANEL - POWER DISTRIBUTION FROM NON UPS

230Vac-50Hz
FROM MCC
(BY CUSTOMER)

CUSTOMER CONNECTION POINT

TB-PS3_F 1 2 3

01001 BR 6 mm² — 01003 LB 6 mm² — 00611 YG 6 mm² — PE

CB_SER_F
(011-A01)

P N P N P N P N

(011-A01)
(011-A01)

01004 LB 6 mm² — 01002 BR 6 mm²

01005 BR 2.5 mm² — 01007 LB 2.5 mm²

01009 BR 2.5 mm² — 01015 LB 2.5 mm²

01020 BR 2.5 mm² — 01021 LB 2.5 mm²

	Q1	Q2	Q3	Q4
	230Vac 25A Id 30mA	230Vac 16A "C" CURVE	230Vac 2A "C" CURVE	230Vac 4A "C" CURVE
	1 3 13	1 3 13	1 3 13	1 3 21
	14 (017-G02)	14 (017-F02)	14 (017-E02)	22 (017-D02)
	2 4	2 4	2 4	2 4

SPARE

01006 BR 2.5 mm² — 01008 LB 2.5 mm²

01010 BR 1.5 mm² — 01011 BR 1.5 mm² — 01012 BR 1.5 mm²

	S1_F	S2_F	S3_F
	11	11	11
	12	12	12

01013 BR 1.5 mm² — 01018 BR 1.5 mm² — 01019 BR 1.5 mm²

	H1_F	H2_F	H3_F
	x1	x1	x1
	x2	x2	x2

SK1_F — PE — 00611 YG 2,5 mm² — PE

01014 LB 1,5 mm² — 01017 LB 1,5 mm² — 01017 LB 1,5 mm²

SERVICE SOCKET 230Vac 50Hz		INTERNAL LIGHT (LEFT SIDE) 230Vac 50Hz TOTAL CONSUMPTION: 15W	INTERNAL LIGHT (CENTRAL SIDE) 230Vac 50Hz TOTAL CONSUMPTION: 15W	INTERNAL LIGHT (RIGHT SIDE) 230Vac 50Hz TOTAL CONSUMPTION: 15W

NOTE:
INTERNAL LAMP IS DOUBLE INSULATION DEVICE.
NO EARTH CONNECTION REQUIRED.

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

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS

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

SCALE : 1

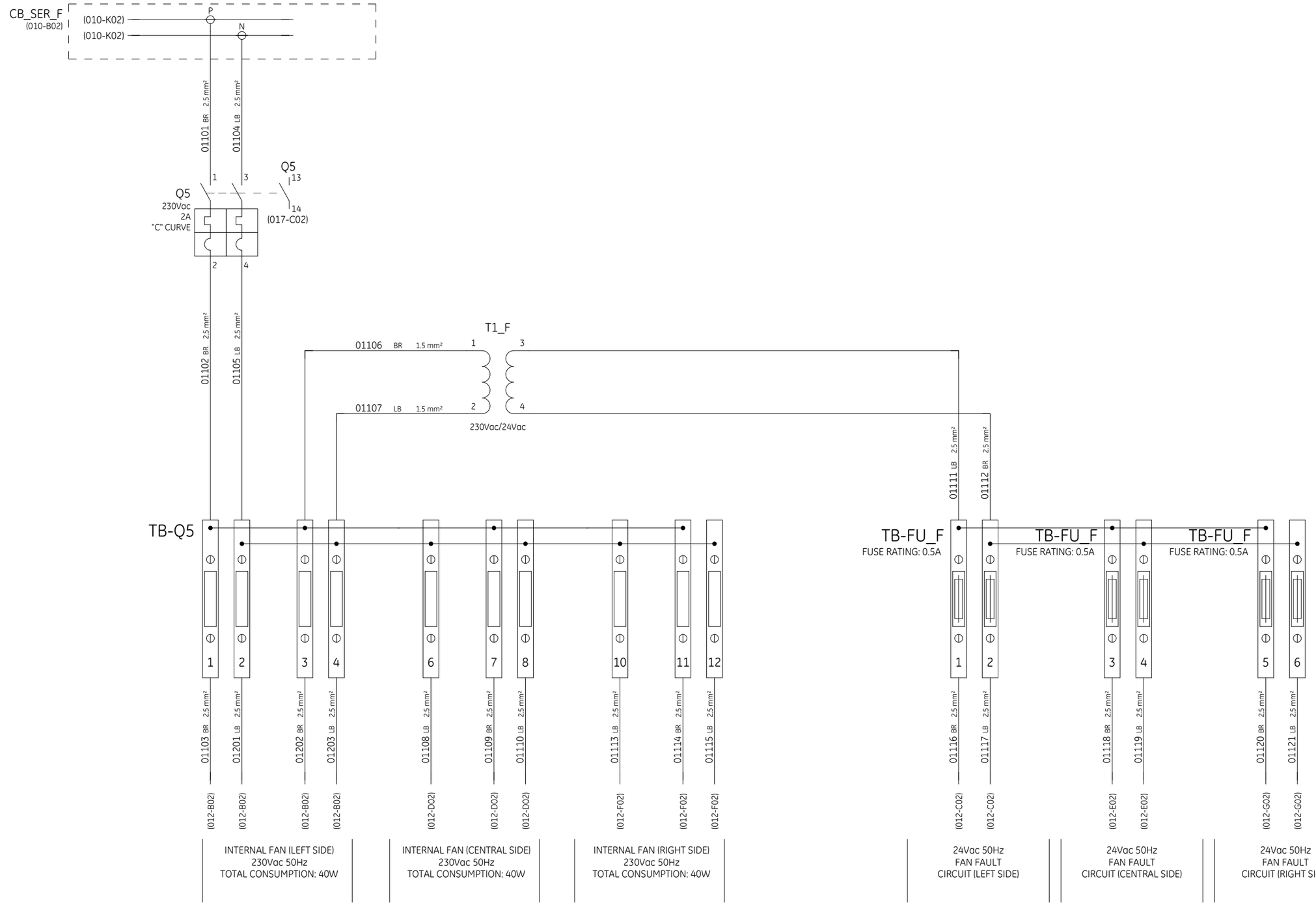
A3

DRAWING NO.
1724000594-IN-DG-00021

SHEET 010

REV. 2

FGS PANEL - POWER DISTRIBUTION FROM NON UPS



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS

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

SCALE : 1

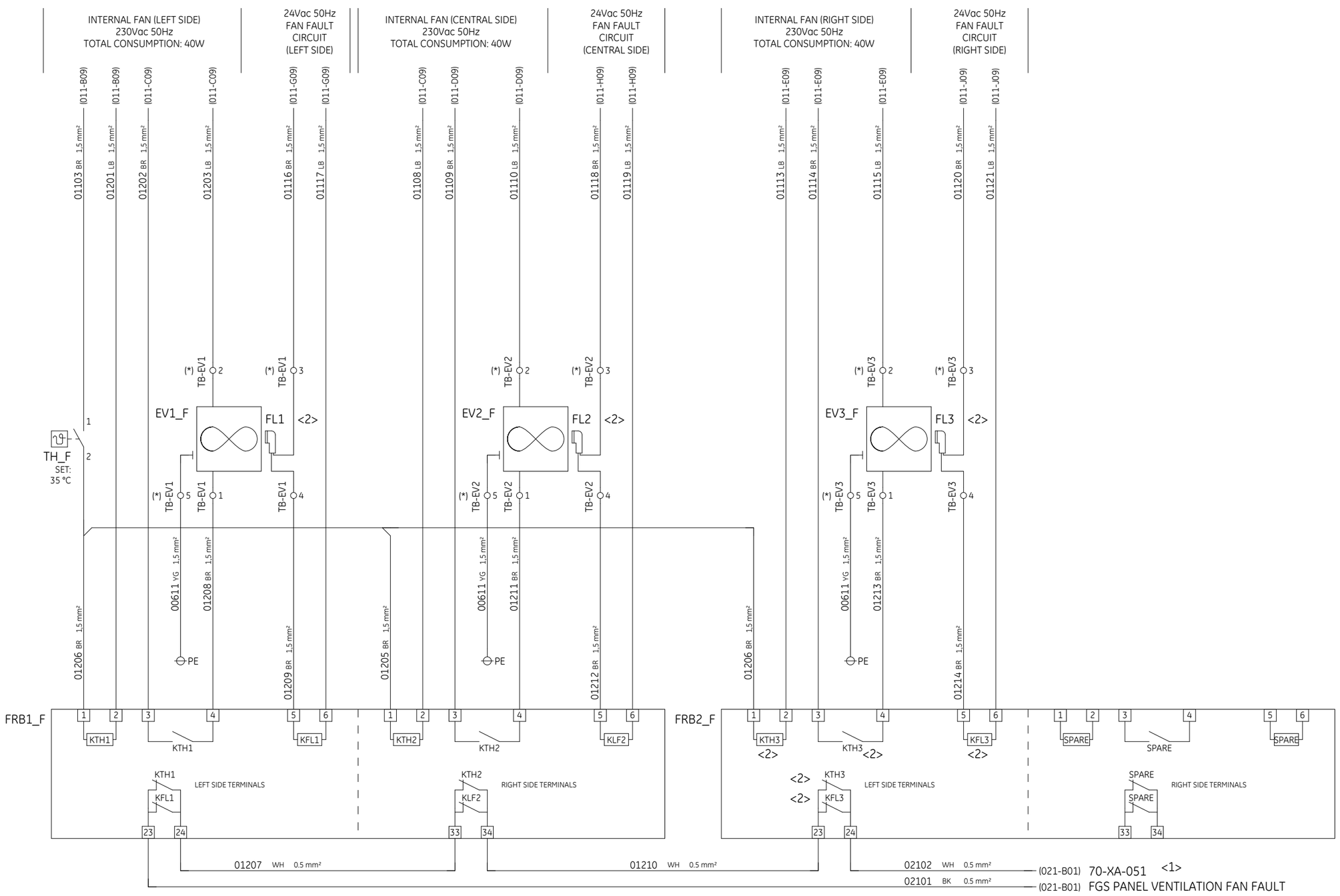
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DRAWING NO. 1724000594-IN-DG-00021

SHEET 011

REV. 2

FGS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN & HEATER



NOTE (*):
TB-EV IS A FEED THROUGH TERMINAL BOARD FOR
PRE-WIRED ITEMS CONNECTION. FOR THIS REASON,
WIRE NUMBERS WILL BE THE SAME ON BOTH SIDES.

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA
PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN

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

SCALE : 1

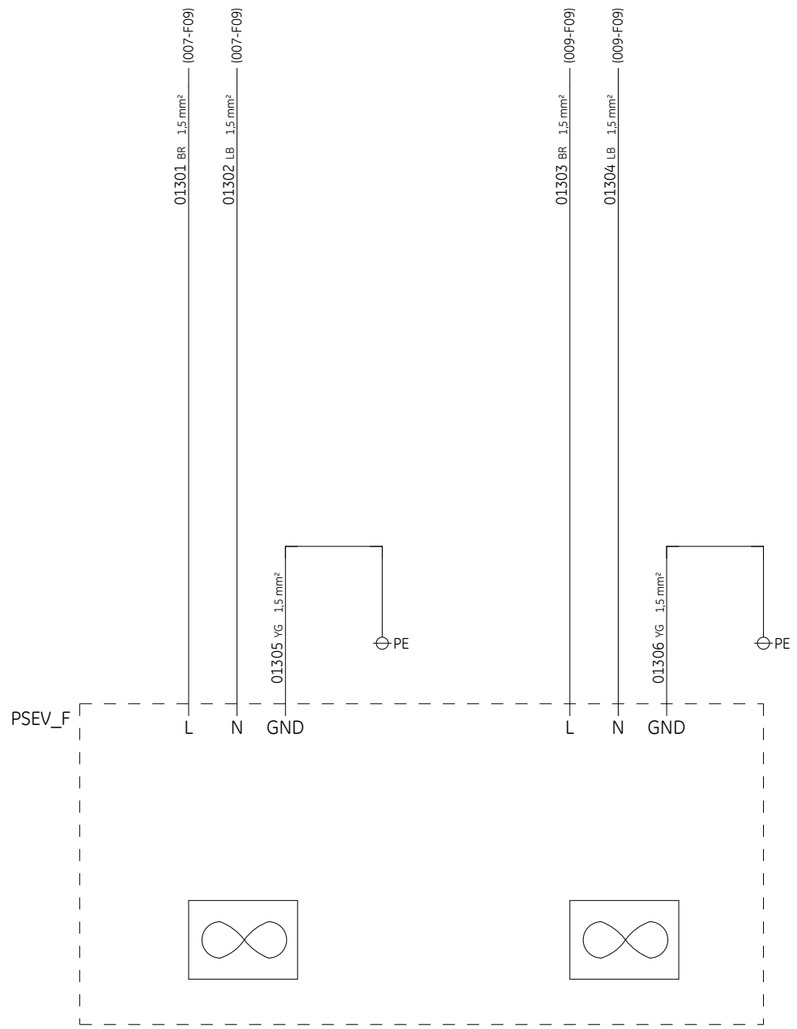
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DRAWING NO.
1724000594-IN-DG-00021

SHEET 012

REV. 2

FGS PANEL - 230Vac 50Hz POWER DISTRIBUTION SECURITY PROSAFE FAN



2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - 230Vac 50Hz POWER DISTRIBUTION SECURITY PROSAFE FAN

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 013

REV. 2

SHEET LEFT INTENTIONALLY BLANK

2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 014

REV. 2

FGS PANEL - 230Vac/24Vdc POWER DISTRIBUTION

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#1

(006-D09) (006-D09)

01501 BR 2,5 mm² — 01502 LB 2,5 mm²

G1_F
IN: 230Vac
OUT: 24Vdc
480W
20A
WEIDMULLER PRO ECO
code 1469510000

L(+) N(-) AC DC 13 14 PE + + - -

02103 WH 1 mm² — (021-B02)
01414 WH 1 mm²
00611 YG 2,5 mm² — PE

70-XA-052
FGS PANEL POWER SUPPLY
24Vdc FAILURE

<1>

01505 RD 4 mm² — 01507 BU 4 mm² — 01506 RD 4 mm² — 01510 BU 4 mm²

VD1_F
20A
WEIDMULLER PRO DM 20
code 2486080000

IN1+ IN1- IN2+ IN2- OUT+ OUT-

<1>

<1>

01508 RD 6 mm² — 01511 BU 6 mm²

<2> Q22
24Vdc
32A
"C" CURVE

1 3 2 4

Q22 13 — 14 (017-D07)

01509 RD 6 mm² — 01512 BU 6 mm²

CB_24Vdc_F
(019-A01)
(020-A01)

+ -

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#2

(008-D08) (008-D08)

01503 BR 2,5 mm² — 01504 LB 2,5 mm²

G2_F
IN: 230Vac
OUT: 24Vdc
480W
20A
WEIDMULLER PRO ECO
code 1469510000

L(+) N(-) AC DC 13 14 PE + + - -

01415 WH 1 mm²
02104 BK 1 mm² — (021-B02)
00611 YG 2,5 mm² — PE

70-XA-052
FGS PANEL POWER SUPPLY
24Vdc FAILURE

01513 RD 4 mm² — 01515 BU 4 mm² — 01514 RD 4 mm² — 01518 BU 4 mm²

VD2_F
20A
WEIDMULLER PRO DM 20
code 2486080000

IN1+ IN1- IN2+ IN1- OUT+ OUT-

<1>

<1>

01516 RD 6 mm² — 01519 BU 6 mm²

<2> Q23
24Vdc
32A
"C" CURVE

1 3 2 4

Q23 13 — 14 (017-C07)

01517 RD 6 mm² — 01520 BU 6 mm²

+ -

(019-A01)
(019-A01)

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_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - 230Vac / 24Vdc POWER DISTRIBUTION

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

SCALE : 1

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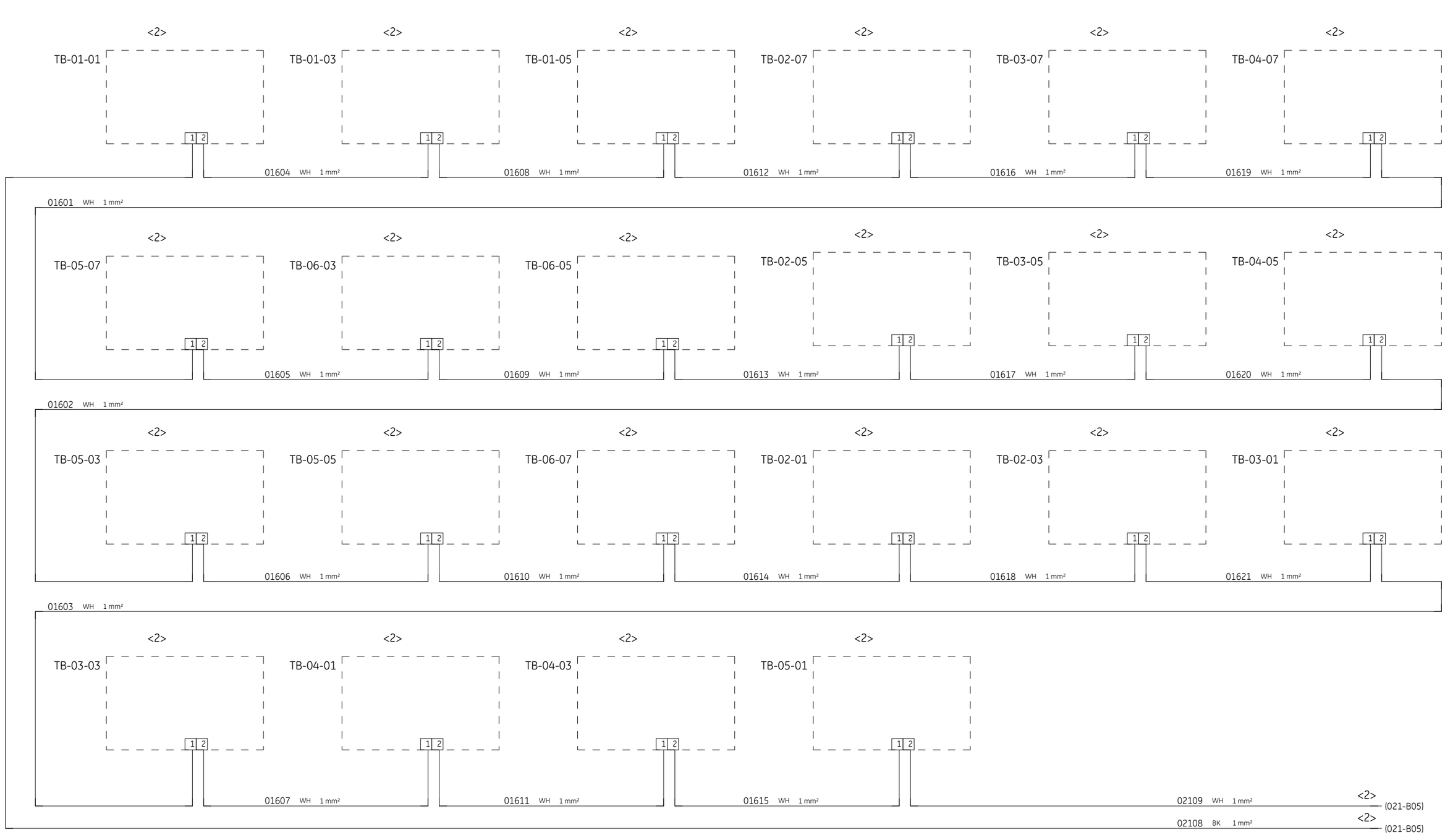
DRAWING NO. 1724000594-IN-DG-00021

SHEET 015

REV. 2

A B C D E F G H J K

FGS PANEL - TB FAULT SIGNALS



01 02 03 04 05 06 07 08 09 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_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - TB FAULT SIGNALS

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

SCALE : 1

A3

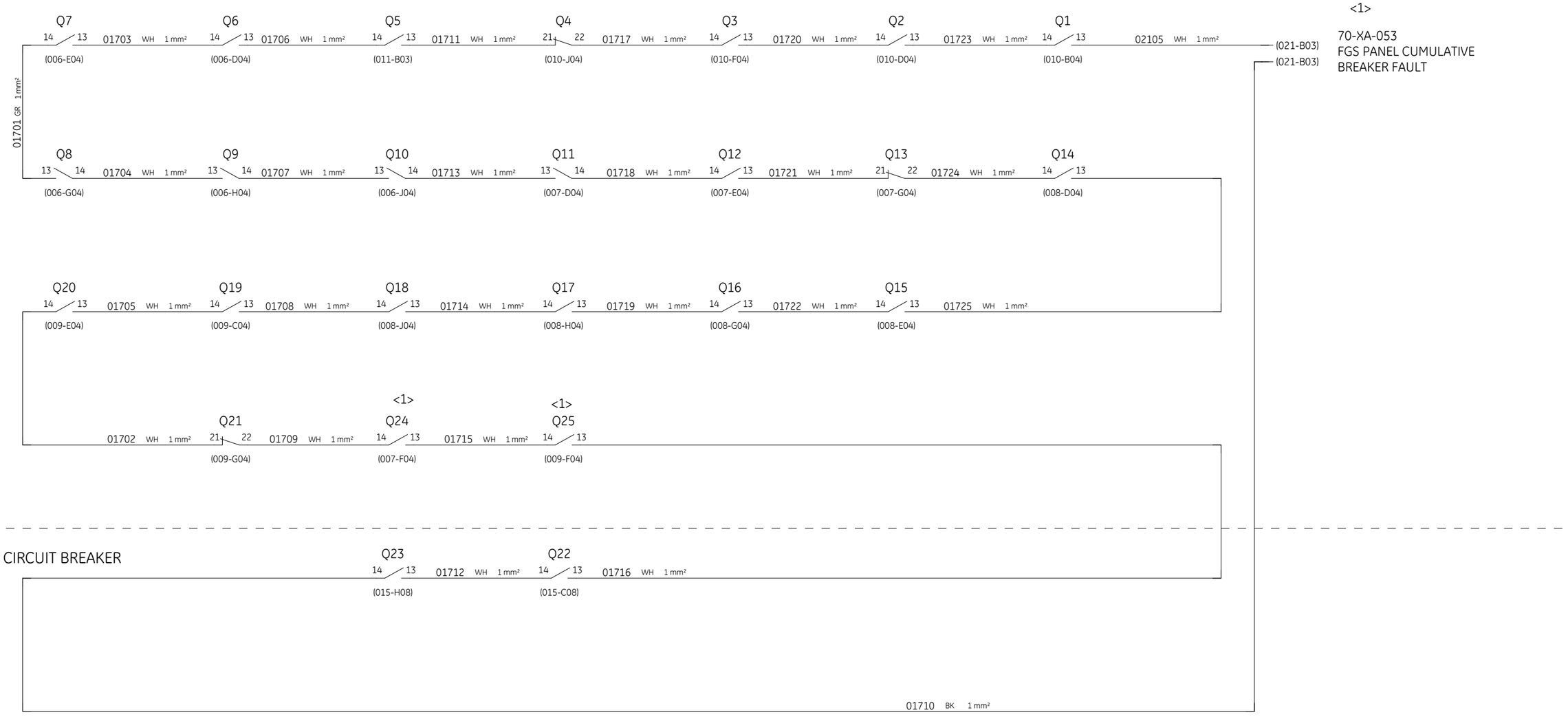
DRAWING NO. 1724000594-IN-DG-00021

SHEET 016

REV. 2

FGS PANEL - BRAKER FAULT ALARM CIRCUIT

230Vac CIRCUIT BREAKER



<1>

70-XA-053
FGS PANEL CUMULATIVE
BREAKER FAULT

24Vdc CIRCUIT BREAKER

NOTE : SPARE CIRCUIT BREAKER FAULT CONTACT TO BE CONNECTED ON NORMALLY CLOSE CONTACT.
CHANGE CONNECTION TO NORMALLY OPEN CONTACT WHEN THE BREAKER WILL BE USED

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - BREAKER FAULT ALARM CIRCUIT

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

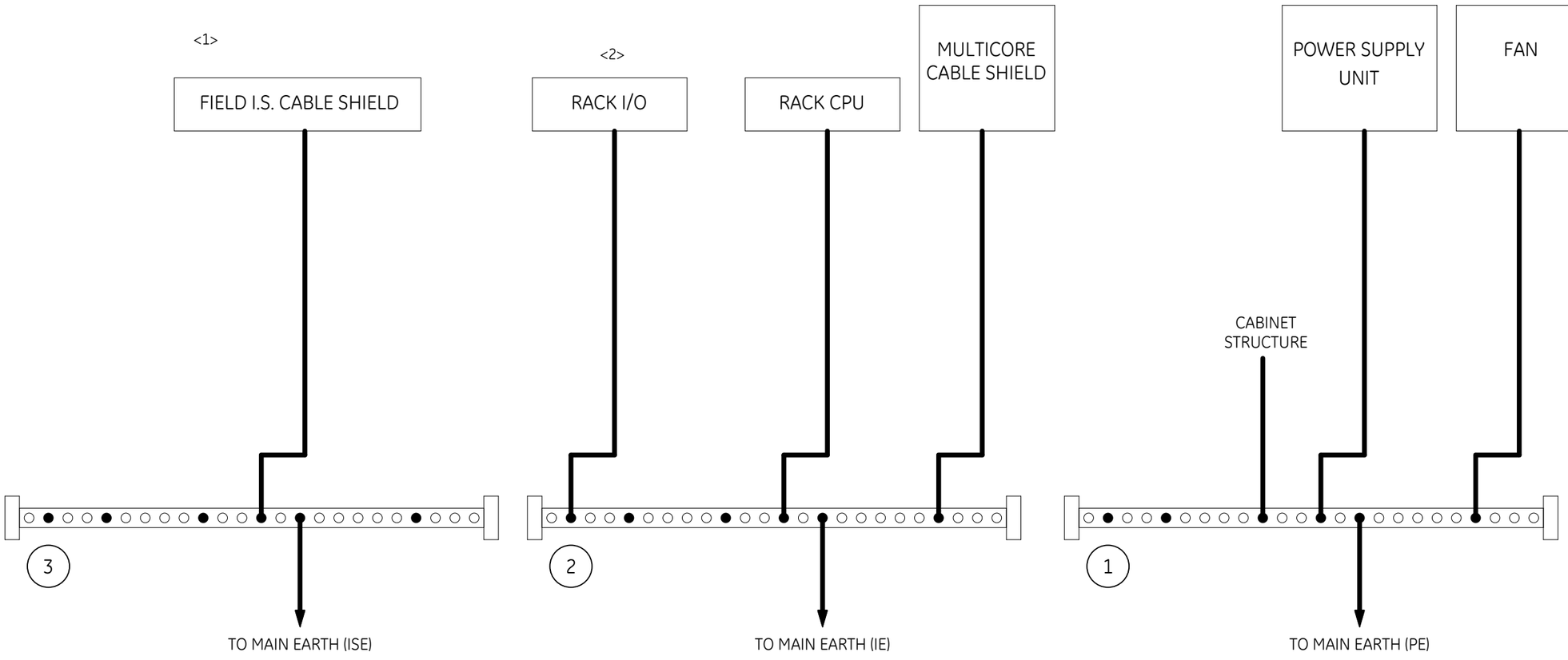
SHEET 017

REV. 2

FGS PANEL - SHIELD/GROUND CONNECTION

<1>

POS.	EARTH TYPE	DESCRIPTION SYSTEM EARTH
1	P.E. EARTH	PROTECTION EARTH (GROUND, FRAME CHASSIS)
2	I.E. EARTH	INSTRUMENTAL EARTH
3	I.S.E. EARTH	INTRINSICALLY SAFE EARTH



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

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - SHIELD / GROUND CONNECTION

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

SCALE : 1

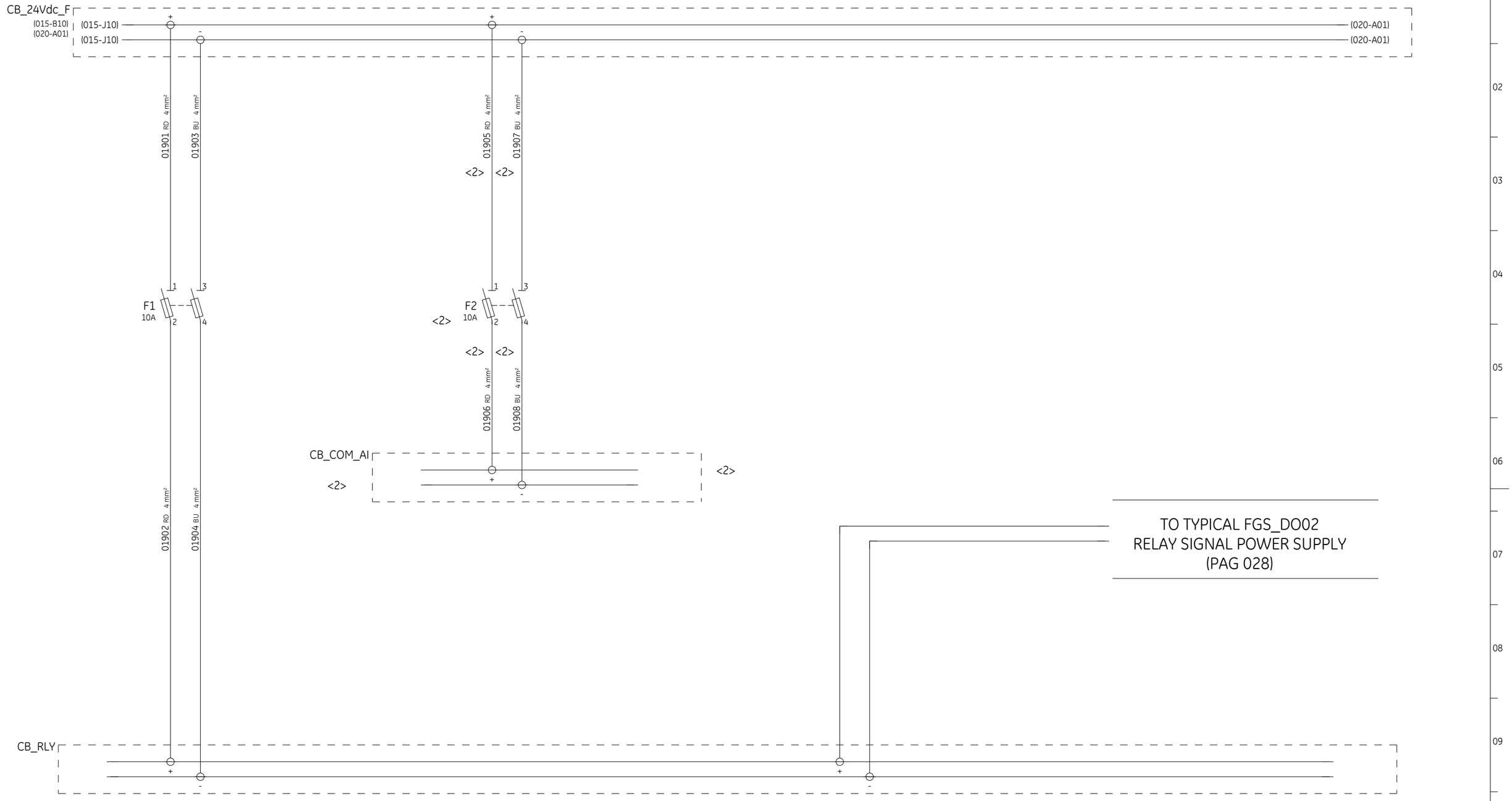
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DRAWING NO. 1724000594-IN-DG-00021

SHEET 018

REV. 2

FGS PANEL - 24Vdc POWER DISTRIBUTION



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
24Vdc POWER DISTRIBUTION

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

SCALE : 1

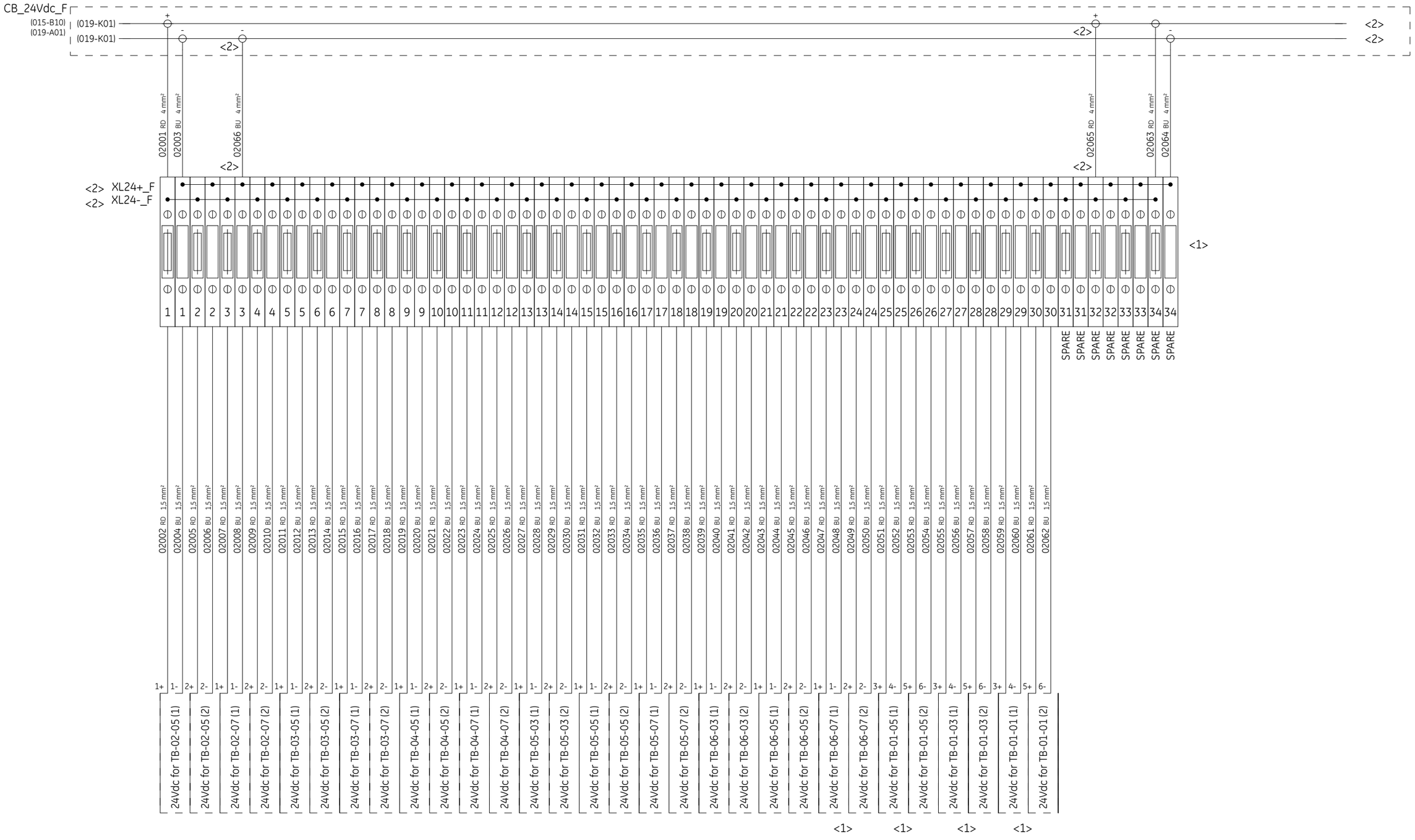
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DRAWING NO. 1724000594-IN-DG-00021

SHEET 019

REV. 2

FGS PANEL - 24Vdc POWER DISTRIBUTION



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
24Vdc POWER DISTRIBUTION

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

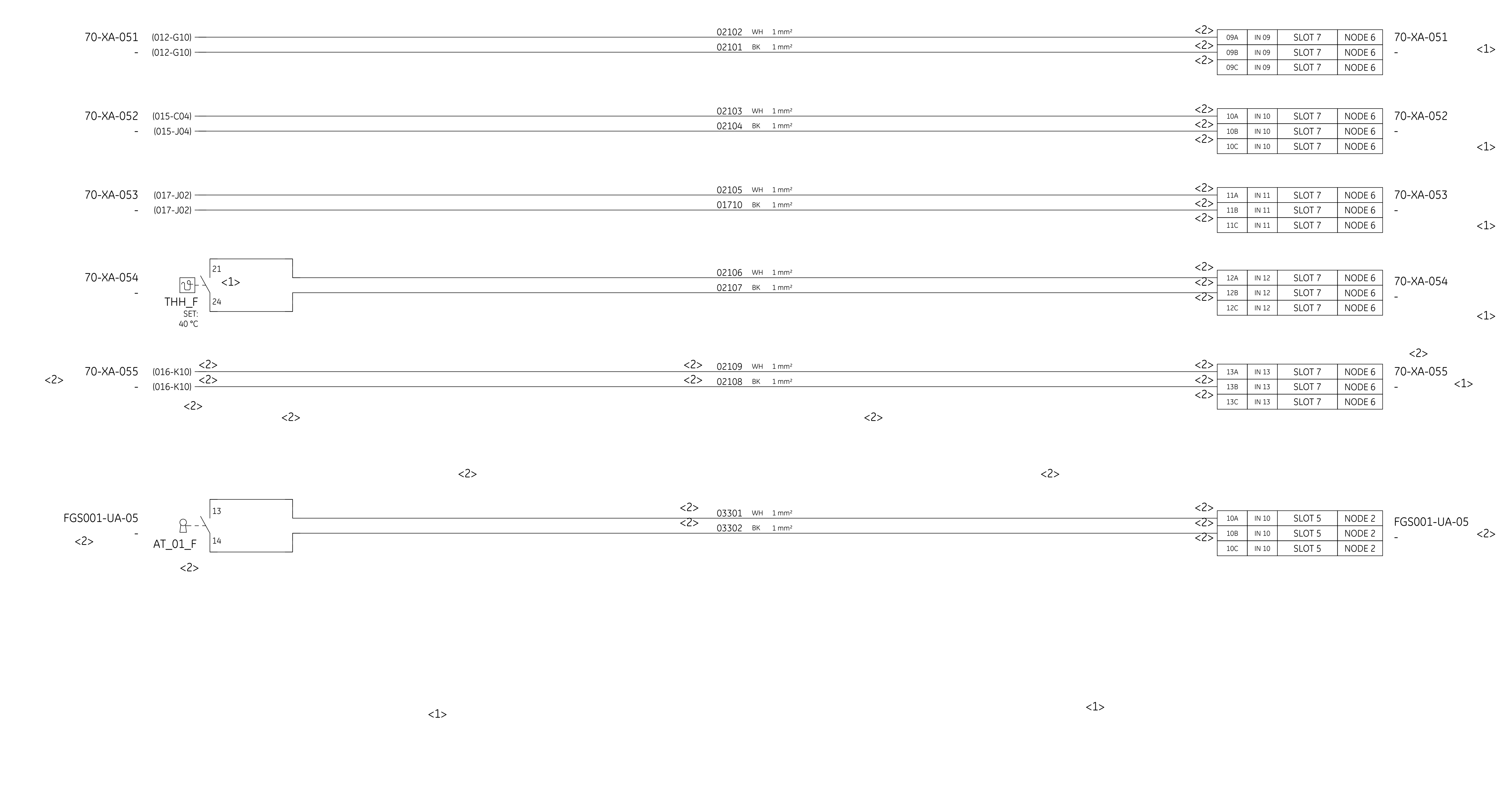
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 020

REV. 2



CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
70-XA-051	FGS PANEL VENTILATION FAN FAULT
70-XA-052	FGS PANEL POWER SUPPLY & DIODES FAILURE
70-XA-053	FGS PANEL CUMULATIVE BREAKER FAULT
70-XA-054	FGS PANEL HIGH TEMPERATURE ALARM
70-XA-055	FGS PANEL DIGITAL / ANALOG TB CUMULATIVE FAULT

CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
FGS001-UA-05	FGS PANEL KEY SELECTOR
-	-
-	-
-	-
-	-

YOKOGAWA
PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

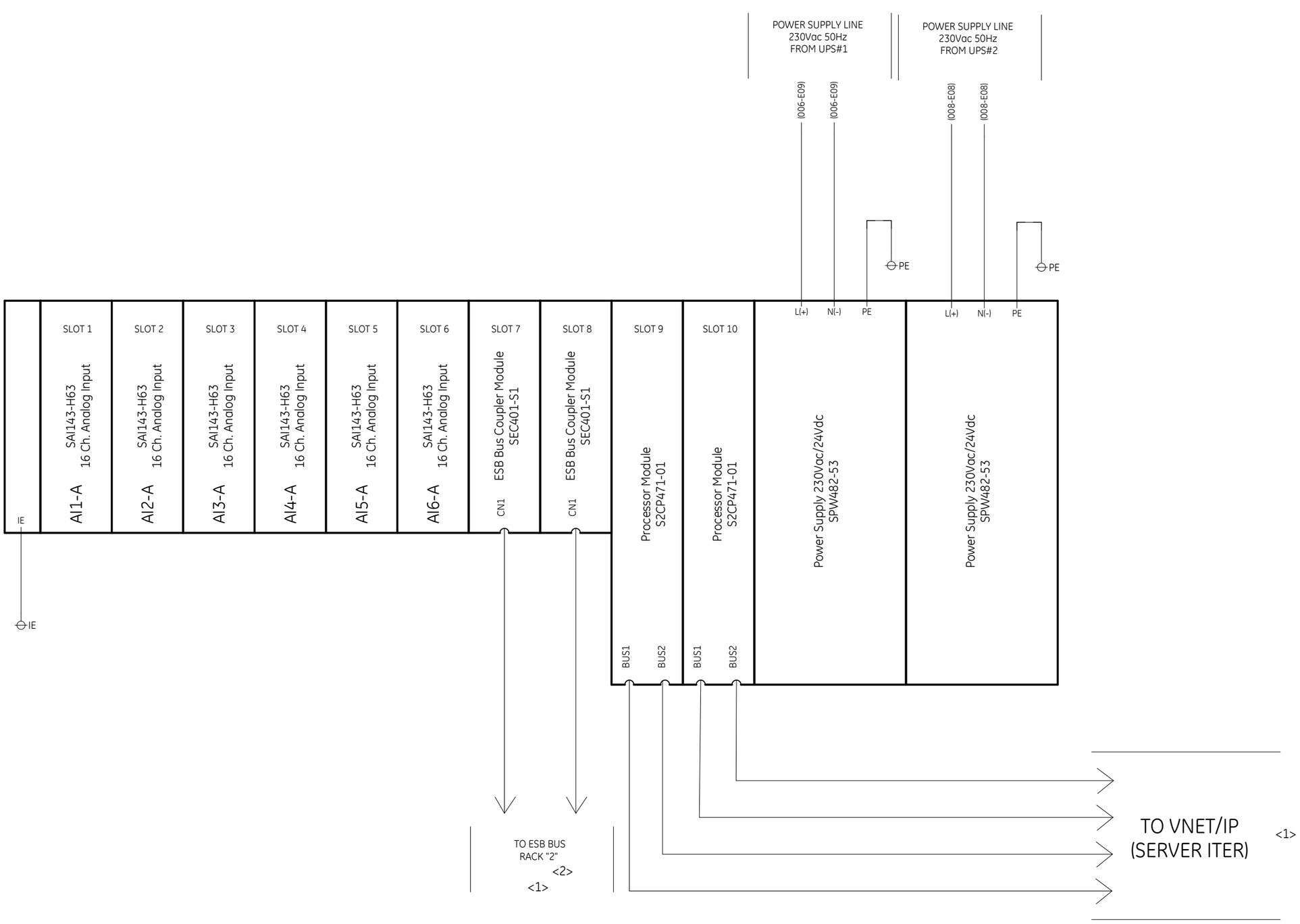
CROSSWIND
ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - FAULT ALARM SIGNALS TO DCS & "GDZ" SIGNALS P.S.

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

A3 | DRAWING NO. 1724000594-IN-DG-00021 | SHEET 021 | REV. 2



REFER TO DOC. N. 1724000594-IN-DG-00016
"NETWORK CONNECTION DIAGRAM" <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - RACK "1" POWER DISTRIBUTION

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

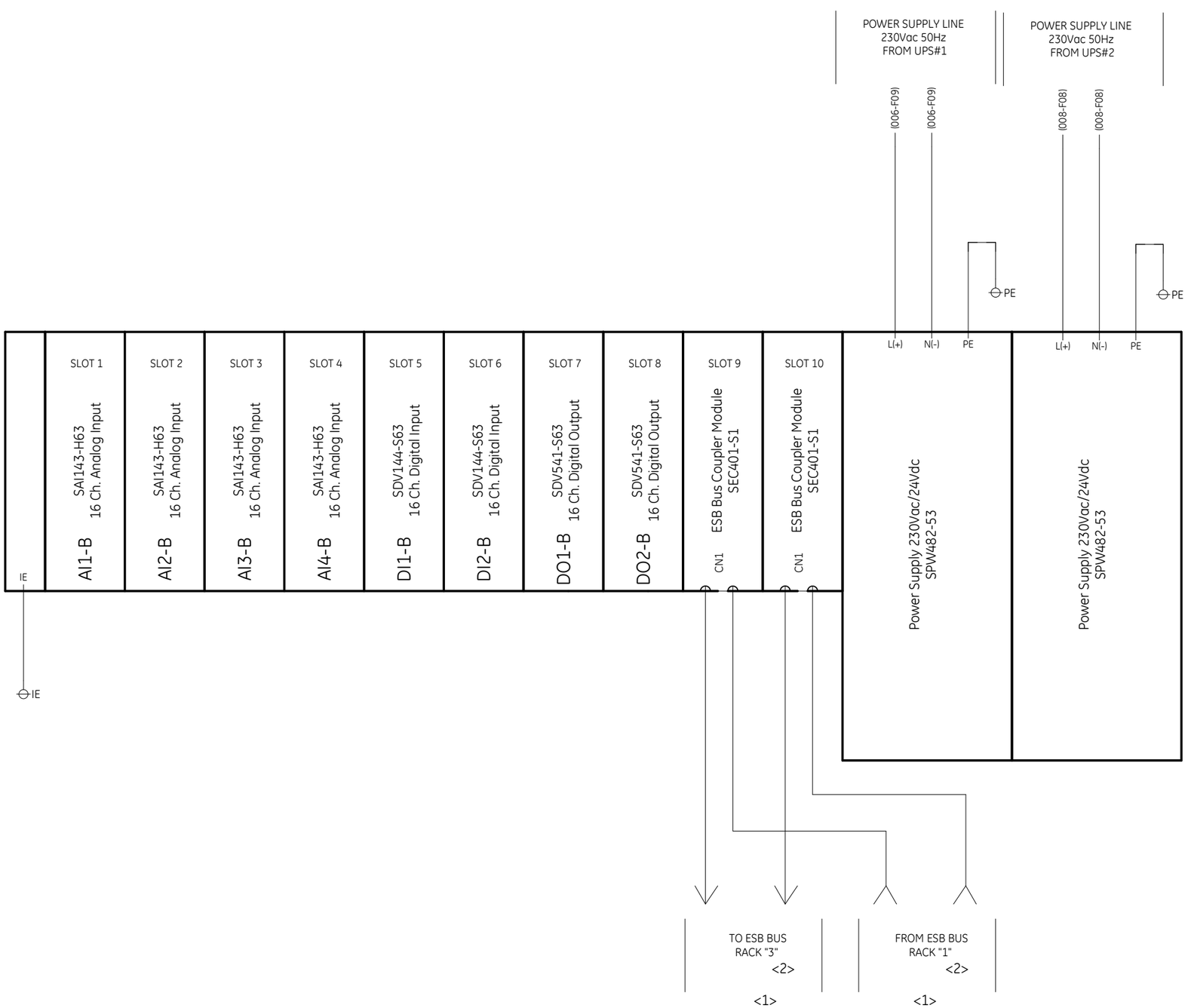
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 022

REV. 2



REFER TO DOC. N. 1724000594-IN-DG-00016
"NETWORK CONNECTION DIAGRAM" <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - RACK "2" POWER DISTRIBUTION

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

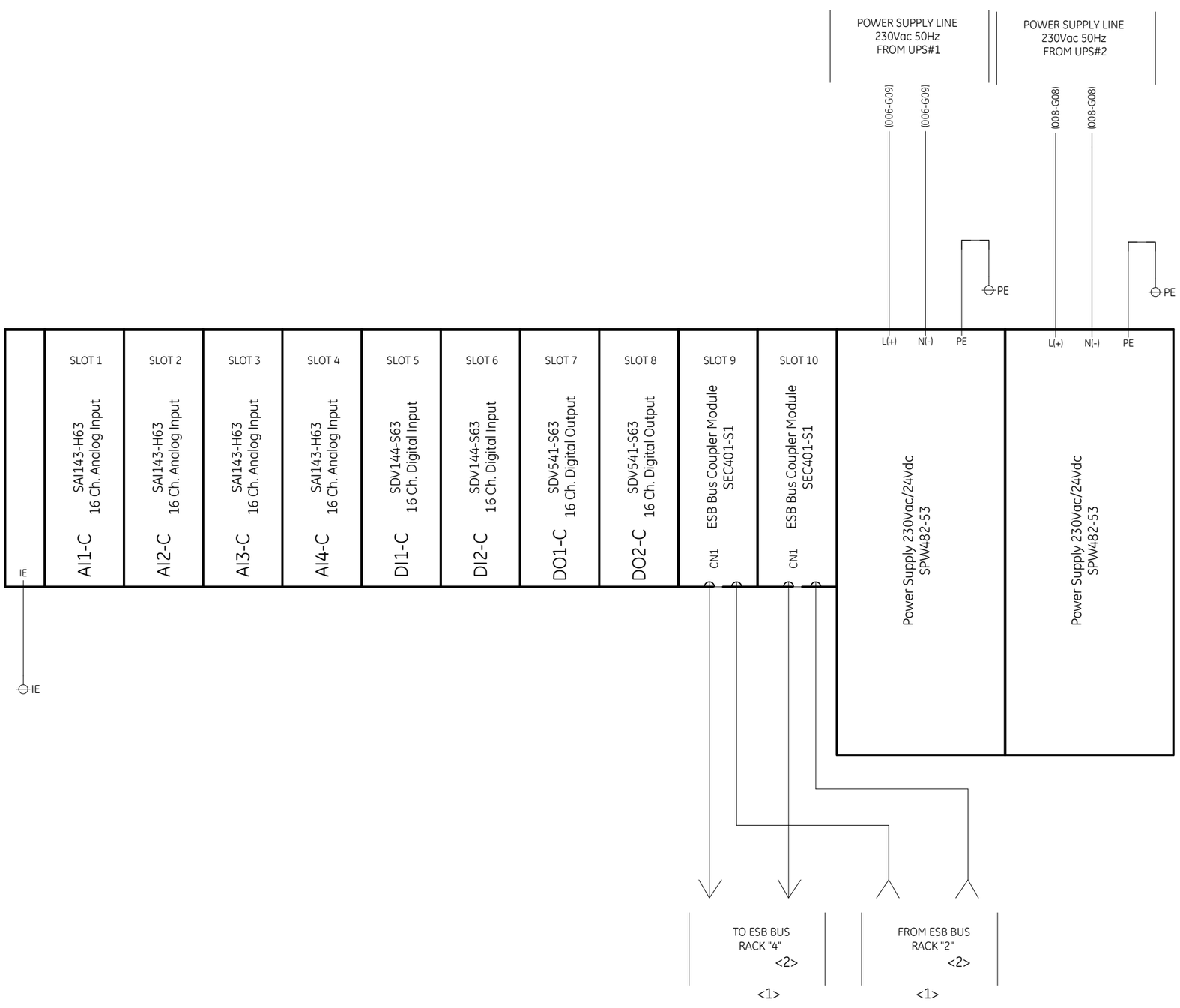
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 023

REV. 2



REFER TO DOC. N. 1724000594-IN-DG-00016
"NETWORK CONNECTION DIAGRAM" <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - RACK "3" POWER DISTRIBUTION

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

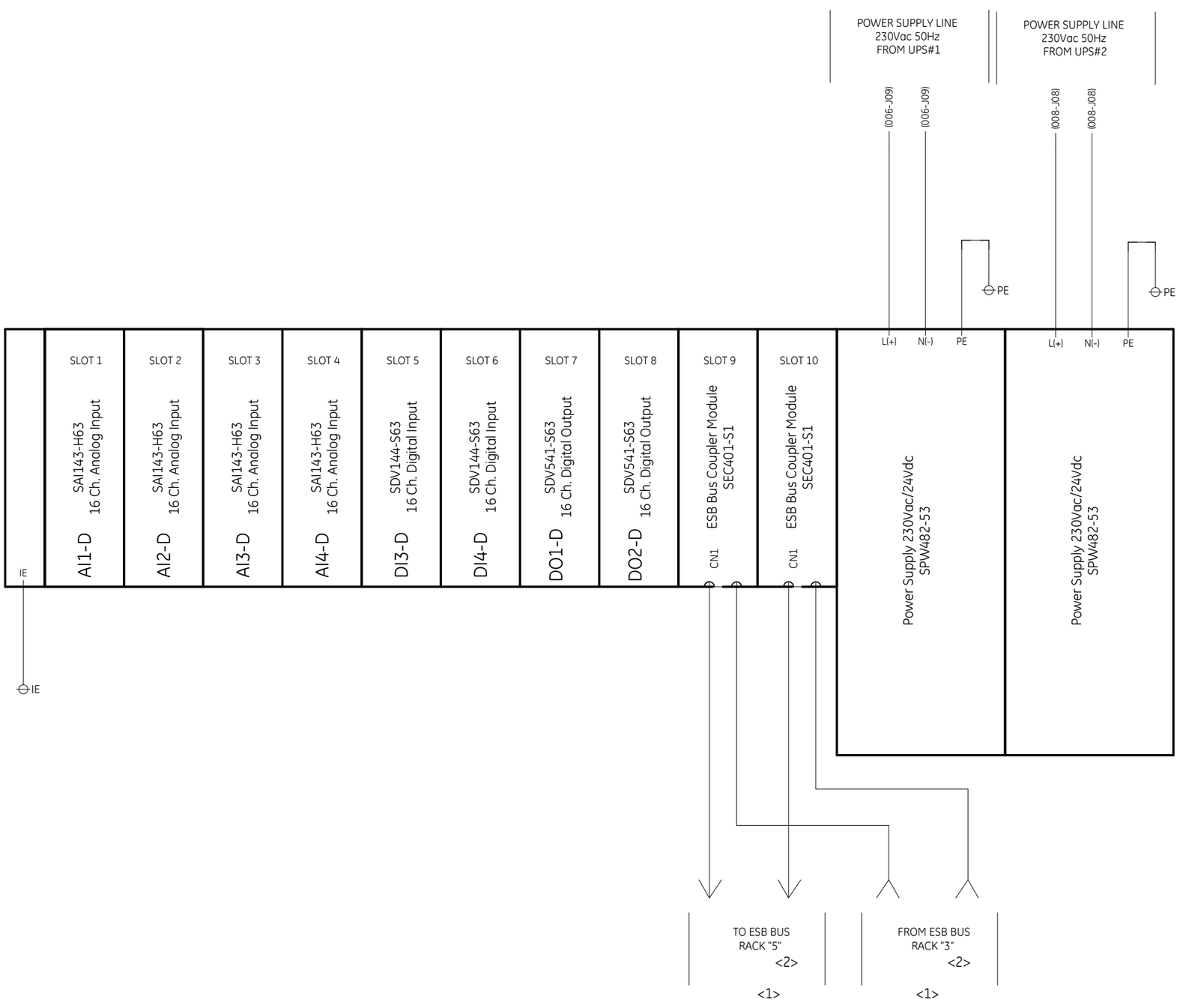
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 024

REV. 2



REFER TO DOC. N. 1724000594-IN-DG-00016
"NETWORK CONNECTION DIAGRAM" <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - RACK "4" POWER DISTRIBUTION

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

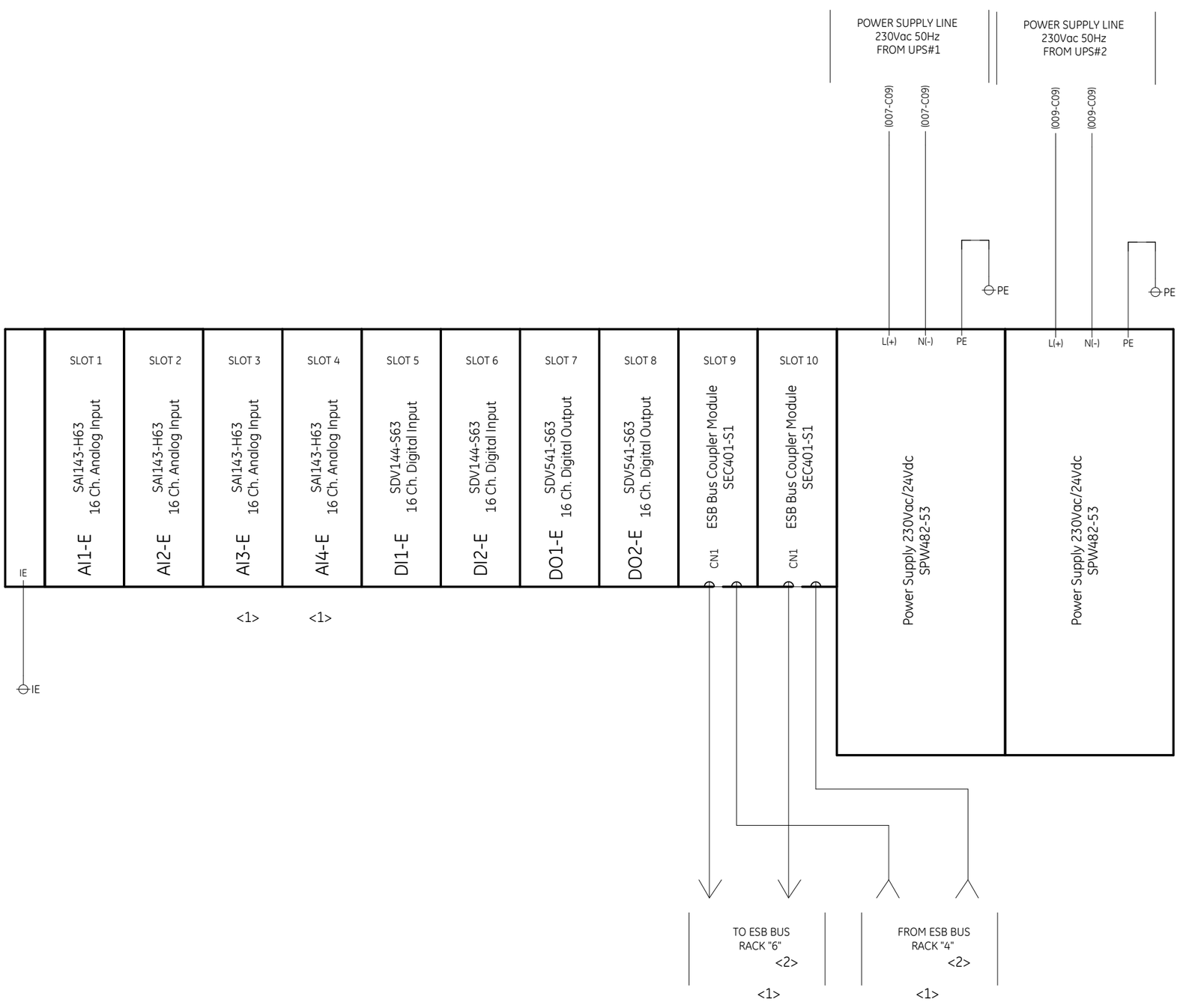
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 025

REV. 2



REFER TO DOC. N. 1724000594-IN-DG-00016
"NETWORK CONNECTION DIAGRAM" <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - RACK "5" POWER DISTRIBUTION

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

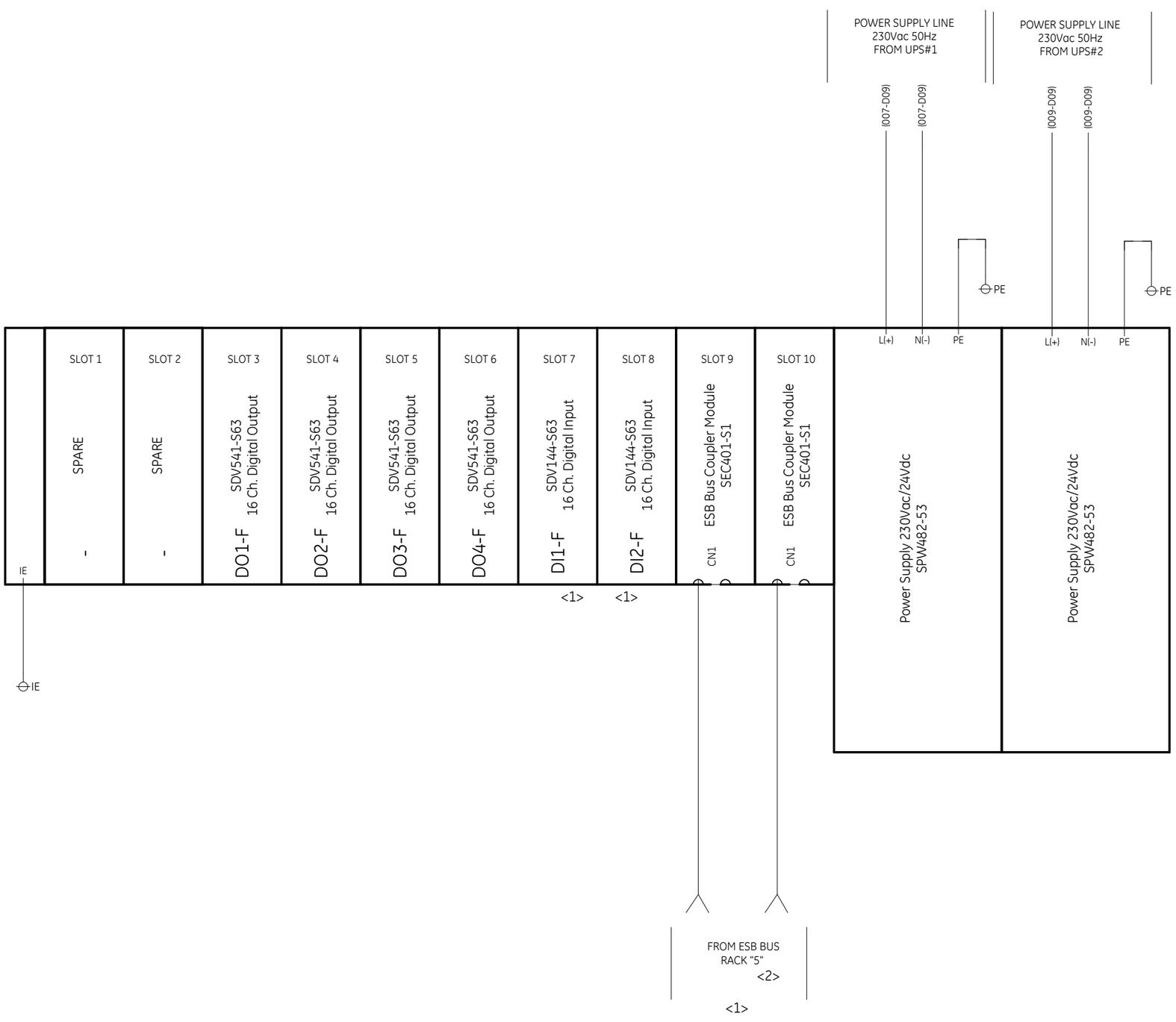
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 026

REV. 2



REFER TO DOC. N. 1724000594-IN-DG-00016
"NETWORK CONNECTION DIAGRAM" <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - RACK "6" POWER DISTRIBUTION

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

SCALE : 1

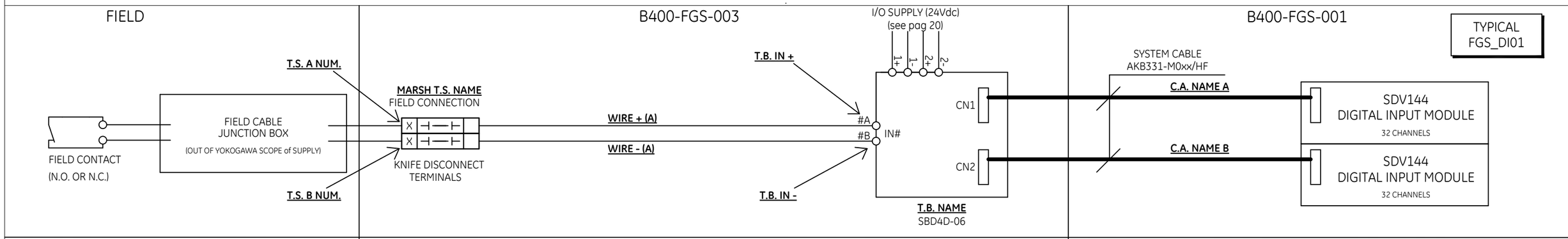
A3

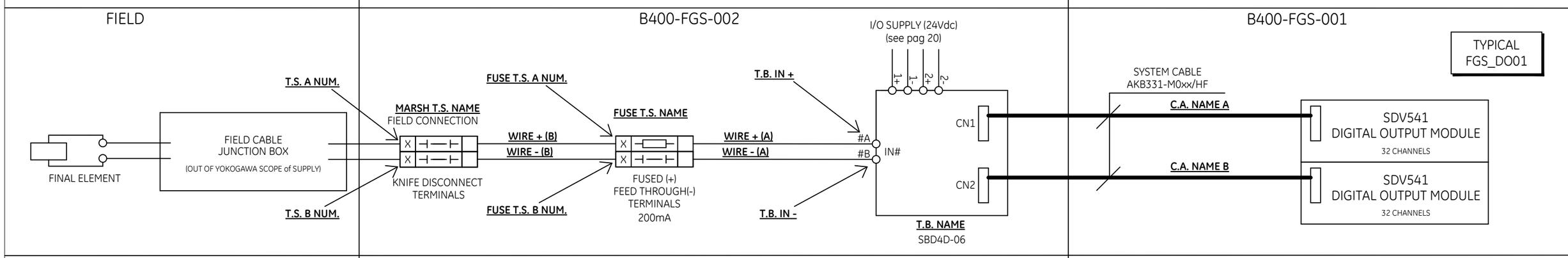
DRAWING NO. 1724000594-IN-DG-00021

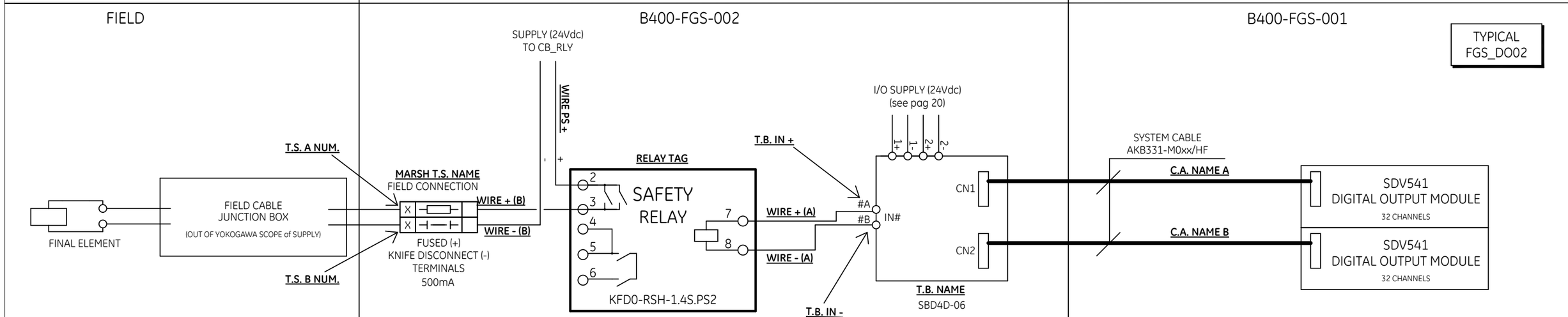
SHEET 027

REV. 2

FGS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT







REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 028

REV. 2

FGS PANEL - TYPICAL WIRING ANALOG INPUT

FIELD

TX

TRANSMITTER 4-20mA
SINK TYPE

\+
\-

FIELD CABLE
JUNCTION BOX
(OUT OF YOKOGAWA SCOPE of SUPPLY)

T.S. A NUM.

T.S. B NUM.

B400-FGS-003

MARSH T.S. NAME
FIELD CONNECTION

KNIFE DISCONNECT
TERMINALS

WIRE + (A)

WIRE - (A)

BARRIER SWITCH CONFIG.			
S1	S2	S3	S4
OFF	OFF	ON	OFF

I/O SUPPLY (24Vdc)
(see page 20)

3+ 5+ 4- 6-

T.B. IN +

T.B. IN -

#1+
<2> #4-
IN#

IS BARRIER
HiC2025

CN1
CN2

T.B. NAME
HiCTB16-YRS-RRB-KS-CC-AI16

B400-FGS-001

TYPICAL
FGS_AI02

SYSTEM CABLE
KS1-xx/HF

C.A. NAME A

C.A. NAME B

SAI143
ANALOG INPUT MODULE
16 CHANNELS

SAI143
ANALOG INPUT MODULE
16 CHANNELS

MODULE STRAPPING:
4-WIRE

FIELD

TX

TRANSMITTER 4-20mA
SOURCE TYPE

+24V
\+
\-

FIELD CABLE
JUNCTION BOX
(OUT OF YOKOGAWA SCOPE of SUPPLY)

T.S. A NUM.

T.S. B NUM.

T.S. C NUM.

B400-FGS-003

MARSH T.S. NAME
FIELD CONNECTION

FUSED (+)
KNIFE DISCONNECT (-)
TERMINALS
200mA

I/O SUPPLY (24Vdc)

WIRE PS +

to NEXT
CHANNEL

WIRE + (A)

WIRE - (A)

T.B. IN -

T.B. IN +

#A
#B
IN#

CN1
CN2

T.B. NAME
SBA4D-06

B400-FGS-001

TYPICAL
FGS_AI01

SYSTEM CABLE
KS1-xx/HF

C.A. NAME A

C.A. NAME B

SAI143
ANALOG INPUT MODULE
16 CHANNELS

SAI143
ANALOG INPUT MODULE
16 CHANNELS

MODULE STRAPPING:
4-WIRE

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA
PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - TYPICAL WIRING ANALOG INPUT

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DG-00021

SHEET 029

REV. 2

SHEET LEFT INTENTIONALLY BLANK

2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 030

REV. 2

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	WIRE + (A)	WIRE - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
	950-MFA-01101	DI	TB-950-JE-01103	01	02	03101	03102	1mm²	BK	WH	TB-02-05	01A	01B	02	05	01	CA_02_05	CA_02_06	FGS_DI01
	950-MFA-01102	DI	TB-950-JE-01103	03	04	03103	03104	1mm²	BK	WH	TB-02-05	02A	02B	02	05	02	CA_02_05	CA_02_06	FGS_DI01
	950-MFA-01103	DI	TB-950-JE-01103	05	06	03105	03106	1mm²	BK	WH	TB-02-05	03A	03B	02	05	03	CA_02_05	CA_02_06	FGS_DI01
<2>	SPARE	DI	TB-950-JE-01103	07	08														
<2>	SPARE	DI	TB-950-JE-01103	09	10														
<2>	SPARE	DI	TB-950-JE-01103	11	12														
	950-MFA-03101	DI	TB-950-JE-03103	01	02	03107	03108	1mm²	BK	WH	TB-02-05	04A	04B	02	05	04	CA_02_05	CA_02_06	FGS_DI01
	950-MFA-03102	DI	TB-950-JE-03103	03	04	03109	03110	1mm²	BK	WH	TB-02-05	05A	05B	02	05	05	CA_02_05	CA_02_06	FGS_DI01
	950-MFA-03103	DI	TB-950-JE-03103	05	06	03111	03112	1mm²	BK	WH	TB-02-05	06A	06B	02	05	06	CA_02_05	CA_02_06	FGS_DI01
	950-MFA-03104	DI	TB-950-JE-03103	07	08	03113	03114	1mm²	BK	WH	TB-02-05	07A	07B	02	05	07	CA_02_05	CA_02_06	FGS_DI01
<2>	WS0120020508	DI	TB-950-JE-03103	09	10	03115	03116	1mm²	BK	WH	TB-02-05	08A	08B	02	05	08	CA_02_05	CA_02_06	FGS_DI01
<2>	WS0120020509	DI	TB-950-JE-03103	11	12	03117	03118	1mm²	BK	WH	TB-02-05	09A	09B	02	05	09	CA_02_05	CA_02_06	FGS_DI01
	950-MFA-04101	DI	TB-950-JE-04102	01	02	03119	03120	1mm²	BK	WH	TB-03-05	01A	01B	03	05	01	CA_03_05	CA_03_06	FGS_DI01
	950-MFA-04102	DI	TB-950-JE-04102	03	04	03121	03122	1mm²	BK	WH	TB-03-05	02A	02B	03	05	02	CA_03_05	CA_03_06	FGS_DI01
<2>	SPARE	DI	TB-950-JE-04102	05	06														
<2>	SPARE	DI	TB-950-JE-04102	07	08														
<2>	SPARE	DI	TB-950-JE-04102	09	10														
<2>	SPARE	DI	TB-950-JE-04102	11	12														
	950-MFA-05101	DI	TB-950-JE-05102	01	02	03123	03124	1mm²	BK	WH	TB-03-05	03A	03B	03	05	03	CA_03_05	CA_03_06	FGS_DI01
	950-MFA-05102	DI	TB-950-JE-05102	03	04	03125	03126	1mm²	BK	WH	TB-03-05	04A	04B	03	05	04	CA_03_05	CA_03_06	FGS_DI01
	950-MFA-05103	DI	TB-950-JE-05102	05	06	03127	03128	1mm²	BK	WH	TB-03-05	05A	05B	03	05	05	CA_03_05	CA_03_06	FGS_DI01
	950-MFA-05104	DI	TB-950-JE-05102	07	08	03129	03130	1mm²	BK	WH	TB-03-05	06A	06B	03	05	06	CA_03_05	CA_03_06	FGS_DI01
<2>	SPARE	DI	TB-950-JE-05102	09	10														
<2>	SPARE	DI	TB-950-JE-05102	11	12														
	950-MFA-06101	DI	TB-950-JE-06102	01	02	03131	03132	1mm²	BK	WH	TB-03-05	07A	07B	03	05	07	CA_03_05	CA_03_06	FGS_DI01
	950-MFA-06102	DI	TB-950-JE-06102	03	04	03133	03134	1mm²	BK	WH	TB-03-05	08A	08B	03	05	08	CA_03_05	CA_03_06	FGS_DI01
<2>	WS0120030509	DI	TB-950-JE-06102	05	06	03135	03136	1mm²	BK	WH	TB-03-05	09A	09B	03	05	09	CA_03_05	CA_03_06	FGS_DI01
<2>	WS0120030510	DI	TB-950-JE-06102	07	08	03137	03138	1mm²	BK	WH	TB-03-05	10A	10B	03	05	10	CA_03_05	CA_03_06	FGS_DI01
<2>	SPARE	DI	TB-950-JE-06102	09	10														
<2>	SPARE	DI	TB-950-JE-06102	11	12														

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - DIGITAL INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 031

REV. 2

FGS PANEL - TB-B400-FGS-002-1 + TB-B100-HSB-001 + TB-B200-HSB-001 + TB-B300-HSB-001 + TB-B400-HSB-001

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	WIRE + (A)	WIRE - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
	950-MFA-02101	DI	TB-B400-FGS-002-1	01	02	03201	03202	1mm²	BK	WH	TB-04-05	01A	01B	04	05	01	CA_04_05	CA_04_06	FGS_DI01
	950-MFA-04201	DI	TB-B400-FGS-002-1	03	04	03203	03204	1mm²	BK	WH	TB-04-05	02A	02B	04	05	02	CA_04_05	CA_04_06	FGS_DI01
	950-MFA-04202	DI	TB-B400-FGS-002-1	05	06	03205	03206	1mm²	BK	WH	TB-04-05	03A	03B	04	05	03	CA_04_05	CA_04_06	FGS_DI01
	950-MFA-04203	DI	TB-B400-FGS-002-1	07	08	03207	03208	1mm²	BK	WH	TB-04-05	04A	04B	04	05	04	CA_04_05	CA_04_06	FGS_DI01
	950-MFA-05201	DI	TB-B400-FGS-002-1	09	10	03209	03210	1mm²	BK	WH	TB-04-05	05A	05B	04	05	05	CA_04_05	CA_04_06	FGS_DI01
	950-MFA-06201	DI	TB-B400-FGS-002-1	11	12	03211	03212	1mm²	BK	WH	TB-04-05	06A	06B	04	05	06	CA_04_05	CA_04_06	FGS_DI01
	950-MFA-07101	DI	TB-B400-FGS-002-1	13	14	03213	03214	1mm²	BK	WH	TB-04-05	07A	07B	04	05	07	CA_04_05	CA_04_06	FGS_DI01
	77-ZSL-001	DI	TB-B100-HSB-001	01	02	03215	03216	1mm²	BK	WH	TB-05-03	01A	01B	05	03	01	CA_05_03	CA_05_04	FGS_DI01
	77-ZSL-002	DI	TB-B100-HSB-001	03	04	03217	03218	1mm²	BK	WH	TB-05-03	02A	02B	05	03	02	CA_05_03	CA_05_04	FGS_DI01
	77-ZSL-003	DI	TB-B100-HSB-001	05	06	03219	03220	1mm²	BK	WH	TB-05-03	03A	03B	05	03	03	CA_05_03	CA_05_04	FGS_DI01
<2>	SPARE	DI	TB-B100-HSB-001	07	08														
<2>	SPARE	DI	TB-B100-HSB-001	09	10														
<2>	SPARE	DI	TB-B100-HSB-001	11	12														
	77-ZSL-004	DI	TB-B200-HSB-001	01	02	03221	03222	1mm²	BK	WH	TB-05-03	04A	04B	05	03	04	CA_05_03	CA_05_04	FGS_DI01
	77-ZSL-005	DI	TB-B200-HSB-001	03	04	03223	03224	1mm²	BK	WH	TB-05-03	05A	05B	05	03	05	CA_05_03	CA_05_04	FGS_DI01
	77-ZSL-006	DI	TB-B200-HSB-001	05	06	03225	03226	1mm²	BK	WH	TB-05-03	06A	06B	05	03	06	CA_05_03	CA_05_04	FGS_DI01
<2>	SPARE	DI	TB-B200-HSB-001	07	08														
<2>	SPARE	DI	TB-B200-HSB-001	09	10														
<2>	SPARE	DI	TB-B200-HSB-001	11	12														
	77-ZSL-007	DI	TB-B300-HSB-001	01	02	03227	03228	1mm²	BK	WH	TB-05-03	07A	07B	05	03	07	CA_05_03	CA_05_04	FGS_DI01
	77-ZSL-008	DI	TB-B300-HSB-001	03	04	03229	03230	1mm²	BK	WH	TB-05-03	08A	08B	05	03	08	CA_05_03	CA_05_04	FGS_DI01
	77-ZSL-009	DI	TB-B300-HSB-001	05	06	03231	03232	1mm²	BK	WH	TB-06-07	01A	01B	06	07	01	CA_06_07	CA_06_08	FGS_DI01
	77-ZSL-010	DI	TB-B300-HSB-001	07	08	03233	03234	1mm²	BK	WH	TB-06-07	02A	02B	06	07	02	CA_06_07	CA_06_08	FGS_DI01
	77-ZSL-011	DI	TB-B300-HSB-001	09	10	03235	03236	1mm²	BK	WH	TB-06-07	03A	03B	06	07	03	CA_06_07	CA_06_08	FGS_DI01
<2>	SPARE	DI	TB-B300-HSB-001	11	12														
	77-ZSL-012	DI	TB-B400-HSB-001	01	02	03237	03238	1mm²	BK	WH	TB-06-07	04A	04B	06	07	04	CA_06_07	CA_06_08	FGS_DI01
	77-ZSL-013	DI	TB-B400-HSB-001	03	04	03239	03240	1mm²	BK	WH	TB-06-07	05A	05B	06	07	05	CA_06_07	CA_06_08	FGS_DI01
	77-ZSL-014	DI	TB-B400-HSB-001	05	06	03241	03242	1mm²	BK	WH	TB-06-07	06A	06B	06	07	06	CA_06_07	CA_06_08	FGS_DI01
	77-ZSL-015	DI	TB-B400-HSB-001	07	08	03243	03244	1mm²	BK	WH	TB-06-07	07A	07B	06	07	07	CA_06_07	CA_06_08	FGS_DI01
	77-ZSL-016	DI	TB-B400-HSB-001	09	10	03245	03246	1mm²	BK	WH	TB-06-07	08A	08B	06	07	08	CA_06_07	CA_06_08	FGS_DI01

FOR SIGNALS: 70-XA-051 - 70-XA-052 - 70-XA-053 - 70-XA-054 SEE PAG 021

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - DIGITAL INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 032

REV. 2

FGS PANEL - AT02 + TB-P320PLC + TB-20-UCP-001 + TB-80-UCP-001 + TB-50-LP-002

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	WIRE + (A)	WIRE - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
<2>	FGS001-UA-05	DI				03301	03302	1mm²	BK	WH	TB-02-05	10A	10B	02	05	10	CA_02_05	CA_02_06	FGS_DI01
	85-XA-001	DI	TB-P320PLC	01	02	03303	03304	1mm²	BK	WH	TB-05-05	01A	01B	05	05	01	CA_05_05	CA_05_06	FGS_DI01
	85-XA-002	DI	TB-P320PLC	03	04	03305	03306	1mm²	BK	WH	TB-05-05	02A	02B	05	05	02	CA_05_05	CA_05_06	FGS_DI01
	20-XA-001	DI	TB-20-UCP-001	01	02	03307	03308	1mm²	BK	WH	TB-05-05	03A	03B	05	05	03	CA_05_05	CA_05_06	FGS_DI01
	20-XA-002	DI	TB-20-UCP-001	03	04	03309	03310	1mm²	BK	WH	TB-05-05	04A	04B	05	05	04	CA_05_05	CA_05_06	FGS_DI01
	80-XA-001	DI	TB-80-UCP-001	01	02	03311	03312	1mm²	BK	WH	TB-05-05	05A	05B	05	05	05	CA_05_05	CA_05_06	FGS_DI01
	80-XA-002	DI	TB-80-UCP-001	03	04	03313	03314	1mm²	BK	WH	TB-05-05	06A	06B	05	05	06	CA_05_05	CA_05_06	FGS_DI01
	50-XA-001	DI	TB-50-LP-002	01	02	03315	03316	1mm²	BK	WH	TB-05-05	07A	07B	05	05	07	CA_05_05	CA_05_06	FGS_DI01
	50-XA-002	DI	TB-50-LP-002	03	04	03317	03318	1mm²	BK	WH	TB-05-05	08A	08B	05	05	08	CA_05_05	CA_05_06	FGS_DI01

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - DIGITAL INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 033

REV. 2

SHEET LEFT INTENTIONALLY BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 034

REV. 2

FGS PANEL - TB-950-JE-01104 + TB-950-JE-02104 + TB-950-JE-03104 + TB-950-JE-04103

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	WIRE + (A)	WIRE - (A)	WIRE + (B)	WIRE - (B)	WIRE PS +	WIRE SECTION (A+B+PS)	WIRE COLOUR + (A+B)	WIRE COLOUR - (A+B)	WIRE PS	FUSE T.S. NAME	FUSE T.S. A NUM.	FUSE T.S. B NUM.	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	RELAY TAG	TYPICAL
	950-XZ-01101	DO	TB-950-JE-01104	01	02	03501	03502	03503	03504	N/A	1mm²	BK	WH	N/A	TS_02_07	1	2	TB-02-07	01A	01B	02	07	01	CA_02_07	CA_02_08	-	FGS_DO01
	950-XZ-01102	DO	TB-950-JE-01104	03	04	03505	03506	03507	03508	N/A	1mm²	BK	WH	N/A	TS_02_07	3	4	TB-02-07	02A	02B	02	07	02	CA_02_07	CA_02_08	-	FGS_DO01
	950-XL-01101	DO	TB-950-JE-01104	05	06	03509	03510	03511	03512	N/A	1mm²	BK	WH	N/A	TS_02_07	5	6	TB-02-07	03A	03B	02	07	03	CA_02_07	CA_02_08	-	FGS_DO01
	950-XL-01102	DO	TB-950-JE-01104	07	08	03513	03514	03515	03516	N/A	1mm²	BK	WH	N/A	TS_02_07	7	8	TB-02-07	04A	04B	02	07	04	CA_02_07	CA_02_08	-	FGS_DO01
<2>	SPARE	DO	TB-950-JE-01104	09	10																						
<2>	SPARE	DO	TB-950-JE-01104	11	12																						
	950-XZ-02101	DO	TB-950-JE-02104	01	02	03517	03518	03519	03520	N/A	1mm²	BK	WH	N/A	TS_02_07	9	10	TB-02-07	05A	05B	02	07	05	CA_02_07	CA_02_08	-	FGS_DO01
	950-XL-02101	DO	TB-950-JE-02104	03	04	03521	03522	03523	03524	N/A	1mm²	BK	WH	N/A	TS_02_07	11	12	TB-02-07	06A	06B	02	07	06	CA_02_07	CA_02_08	-	FGS_DO01
	950-XL-02102	DO	TB-950-JE-02104	05	06	03525	03526	03527	03528	N/A	1mm²	BK	WH	N/A	TS_02_07	13	14	TB-02-07	07A	07B	02	07	07	CA_02_07	CA_02_08	-	FGS_DO01
<2>	WS0120020714	DO	TB-950-JE-02104	07	08	03529	03530	03531	03532	N/A	1mm²	BK	WH	N/A	TS_02_07	15	16	TB-02-07	14A	14B	02	07	14	CA_02_07	CA_02_08	-	FGS_DO01
<2>	WS0120020715	DO	TB-950-JE-02104	09	10	03533	03534	03535	03536	N/A	1mm²	BK	WH	N/A	TS_02_07	17	18	TB-02-07	15A	15B	02	07	15	CA_02_07	CA_02_08	-	FGS_DO01
<2>	WS0120020716	DO	TB-950-JE-02104	11	12	03537	03538	03539	03540	N/A	1mm²	BK	WH	N/A	TS_02_07	19	20	TB-02-07	16A	16B	02	07	16	CA_02_07	CA_02_08	-	FGS_DO01
	950-XZ-03101	DO	TB-950-JE-03104	01	02	03541	03542	03543	03544	N/A	1mm²	BK	WH	N/A	TS_02_07	21	22	TB-02-07	08A	08B	02	07	08	CA_02_07	CA_02_08	-	FGS_DO01
	950-XZ-03102	DO	TB-950-JE-03104	03	04	03545	03546	03547	03548	N/A	1mm²	BK	WH	N/A	TS_02_07	23	24	TB-02-07	09A	09B	02	07	09	CA_02_07	CA_02_08	-	FGS_DO01
	950-XL-03101	DO	TB-950-JE-03104	05	06	03549	03550	03551	03552	N/A	1mm²	BK	WH	N/A	TS_02_07	25	26	TB-02-07	10A	10B	02	07	10	CA_02_07	CA_02_08	-	FGS_DO01
	950-XL-03102	DO	TB-950-JE-03104	07	08	03553	03554	03555	03556	N/A	1mm²	BK	WH	N/A	TS_02_07	27	28	TB-02-07	11A	11B	02	07	11	CA_02_07	CA_02_08	-	FGS_DO01
	950-XL-03103	DO	TB-950-JE-03104	09	10	03557	03558	03559	03560	N/A	1mm²	BK	WH	N/A	TS_02_07	29	30	TB-02-07	12A	12B	02	07	12	CA_02_07	CA_02_08	-	FGS_DO01
	950-XL-03104	DO	TB-950-JE-03104	11	12	03561	03562	03563	03564	N/A	1mm²	BK	WH	N/A	TS_02_07	31	32	TB-02-07	13A	13B	02	07	13	CA_02_07	CA_02_08	-	FGS_DO01
	950-XZ-04101	DO	TB-950-JE-04103	01	02	03565	03566	03567	03568	N/A	1mm²	BK	WH	N/A	TS_03_07	1	2	TB-03-07	01A	01B	03	07	01	CA_03_07	CA_03_08	-	FGS_DO01
	950-XZ-04102	DO	TB-950-JE-04103	03	04	03569	03570	03571	03572	N/A	1mm²	BK	WH	N/A	TS_03_07	3	4	TB-03-07	02A	02B	03	07	02	CA_03_07	CA_03_08	-	FGS_DO01
	950-XL-04101	DO	TB-950-JE-04103	05	06	03573	03574	03575	03576	N/A	1mm²	BK	WH	N/A	TS_03_07	5	6	TB-03-07	03A	03B	03	07	03	CA_03_07	CA_03_08	-	FGS_DO01
	950-XL-04102	DO	TB-950-JE-04103	07	08	03577	03578	03579	03580	N/A	1mm²	BK	WH	N/A	TS_03_07	7	8	TB-03-07	04A	04B	03	07	04	CA_03_07	CA_03_08	-	FGS_DO01
	950-XL-04103	DO	TB-950-JE-04103	09	10	03581	03582	03583	03584	N/A	1mm²	BK	WH	N/A	TS_03_07	9	10	TB-03-07	05A	05B	03	07	05	CA_03_07	CA_03_08	-	FGS_DO01
	950-XL-04104	DO	TB-950-JE-04103	11	12	03585	03586	03587	03588	N/A	1mm²	BK	WH	N/A	TS_03_07	11	12	TB-03-07	06A	06B	03	07	06	CA_03_07	CA_03_08	-	FGS_DO01

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - DIGITAL OUTPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 035

REV. 2

FGS PANEL - TB-950-JE-04203 + TB-950-JE-04207 + TB-950-JE-05103

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	WIRE + (A)	WIRE - (A)	WIRE + (B)	WIRE - (B)	WIRE PS +	WIRE SECTION (A+B+PS)	WIRE COLOUR + (A+B)	WIRE COLOUR - (A+B)	WIRE PS COLOUR	FUSE T.S. NAME	FUSE T.S. A NUM.	FUSE T.S. B NUM.	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	RELAY TAG	TYPICAL
	950-XZ-04203	DO	TB-950-JE-04203	01	02	03601	03602	03603	03604	N/A	1mm²	BK	WH	N/A	TS_03_07	13	14	TB-03-07	07A	07B	03	07	07	CA_03_07	CA_03_08	-	FGS_DO01
	950-XL-04205	DO	TB-950-JE-04203	03	04	03605	03606	03607	03608	N/A	1mm²	BK	WH	N/A	TS_03_07	15	16	TB-03-07	08A	08B	03	07	08	CA_03_07	CA_03_08	-	FGS_DO01
	950-XL-04206	DO	TB-950-JE-04203	05	06	03609	03610	03611	03612	N/A	1mm²	BK	WH	N/A	TS_03_07	17	18	TB-03-07	09A	09B	03	07	09	CA_04_07	CA_04_08	-	FGS_DO01
<2>	77-HY-004	DO	TB-950-JE-04203	07	08	03613	03614	03615	03616	03617	1mm²	BK	WH	RD	N/A			TB-03-07	11A	11B	03	07	11	CA_04_07	CA_04_08	KA2	FGS_DO02
<2>	77-HY-005	DO	TB-950-JE-04203	09	10	03618	03619	03620	03621	03622	1mm²	BK	WH	RD	N/A			TB-04-07	04A	04B	04	07	04	CA_04_07	CA_04_08	KA3	FGS_DO02
<2>	77-HY-006	DO	TB-950-JE-04203	11	12	03623	03624	03625	03626	03627	1mm²	BK	WH	RD	N/A			TB-04-07	05A	05B	04	07	05	CA_04_07	CA_04_08	KA4	FGS_DO02
	950-XZ-04202	DO	TB-950-JE-04207	1	2	03628	03629	03630	03631	N/A	1mm²	BK	WH	N/A	TS_04_07	19	20	TB-04-07	01A	01B	04	07	01	CA_04_07	CA_04_08	-	FGS_DO01
	950-XL-04203	DO	TB-950-JE-04207	3	4	03631	03632	03633	03634	N/A	1mm²	BK	WH	N/A	TS_04_07	21	22	TB-04-07	02A	02B	04	07	02	CA_04_07	CA_04_08	-	FGS_DO01
	950-XL-04204	DO	TB-950-JE-04207	5	6	03634	03635	03636	03637	N/A	1mm²	BK	WH	N/A	TS_04_07	23	24	TB-04-07	03A	03B	04	07	03	CA_04_07	CA_04_08	-	FGS_DO01
<2>	77-HY-007	DO	TB-950-JE-04207	7	8	03638	03639	03640	03641	03642	1mm²	BK	WH	RD	N/A			TB-06-03	07A	07B	06	03	07	CA_06_05	CA_06_06	KA7	FGS_DO02
<2>	77-HY-008	DO	TB-950-JE-04207	9	10	03643	03644	03645	03646	03647	1mm²	BK	WH	RD	N/A			TB-06-03	08A	08B	06	03	08	CA_06_05	CA_06_06	KA8	FGS_DO02
<2>	77-HY-009	DO	TB-950-JE-04207	11	12	03648	03649	03650	03651	03652	1mm²	BK	WH	RD	N/A			TB-06-05	01A	01B	06	05	01	CA_06_05	CA_06_06	KA9	FGS_DO02
<2>	77-HY-010	DO	TB-950-JE-04207	13	14	03653	03654	03655	03656	03657	1mm²	BK	WH	RD	N/A			TB-06-05	02A	02B	06	05	02	CA_06_05	CA_06_06	KA10	FGS_DO02
<2>	77-HY-011	DO	TB-950-JE-04207	15	16	03658	03659	03660	03661	03662	1mm²	BK	WH	RD	N/A			TB-06-05	03A	03B	06	05	03	CA_06_05	CA_06_06	KA11	FGS_DO02
<2>	WS0120060509	DO	TB-950-JE-04207	17	18	03663	03664	03665	03666	03667	1mm²	BK	WH	RD	N/A			TB-06-05	09A	09B	06	05	09	CA_06_05	CA_06_06	KA17	FGS_DO02
<2>	WS0120060510	DO	TB-950-JE-04207	19	20	03668	03669	03670	03671	03672	1mm²	BK	WH	RD	N/A			TB-06-05	10A	10B	06	05	10	CA_06_05	CA_06_06	KA18	FGS_DO02
<2>	WS0120030712	DO	TB-950-JE-04207	21	22	03673	03674	03675	03676	03677	1mm²	BK	WH	RD	N/A			TB-03-07	12A	12B	03	07	12	CA_04_07	CA_04_08	KA19	FGS_DO02
<2>	WS0120030713	DO	TB-950-JE-04207	23	24	03678	03679	03680	03681	03682	1mm²	BK	WH	RD	N/A			TB-03-07	13A	13B	03	07	13	CA_04_07	CA_04_08	KA20	FGS_DO02
	950-XZ-05101	DO	TB-950-JE-05103	01	02	03683	03684	03685	03686	N/A	1mm²	BK	WH	N/A	TS_04_07	1	2	TB-04-07	06A	06B	04	07	06	CA_04_07	CA_04_08	-	FGS_DO01
	950-XZ-05102	DO	TB-950-JE-05103	03	04	03687	03688	03689	03690	N/A	1mm²	BK	WH	N/A	TS_04_07	3	4	TB-04-07	07A	07B	04	07	07	CA_04_07	CA_04_08	-	FGS_DO01
	950-XZ-05103	DO	TB-950-JE-05103	05	06	03691	03692	03693	03694	N/A	1mm²	BK	WH	N/A	TS_04_07	5	6	TB-04-07	08A	08B	04	07	08	CA_04_07	CA_04_08	-	FGS_DO01
	950-XZ-05104	DO	TB-950-JE-05103	07	08	03695	03696	03697	03698	N/A	1mm²	BK	WH	N/A	TS_04_07	7	8	TB-04-07	09A	09B	04	07	09	CA_04_07	CA_04_08	-	FGS_DO01
<2>	SPARE	DO	TB-950-JE-05103	09	10																						
<2>	SPARE	DO	TB-950-JE-05103	11	12																						

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - DIGITAL OUTPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 036

REV. 2

FGS PANEL - TB-950-JE-05104 + TB-950-JE-06103 + TB-950-JE-06203 + TB-950-JE-07101

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	WIRE + (A)	WIRE - (A)	WIRE + (B)	WIRE - (B)	WIRE PS +	WIRE SECTION (A+B+PS)	WIRE COLOUR + (A+B)	WIRE COLOUR - (A+B)	WIRE PS COLOUR	FUSE T.S. NAME	FUSE T.S. A NUM.	FUSE T.S. B NUM.	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	RELAY TAG	TYPICAL
	950-XZ-05201	DO	TB-950-JE-05104	01	02	03701	03702	03703	03704	N/A	1mm²	BK	WH	N/A	TS_04_07	9	10	TB-04-07	10A	10B	04	07	10	CA_04_07	CA_04_08	-	FGS_DO01
	950-XL-05201	DO	TB-950-JE-05104	03	04	03705	03706	03707	03708	N/A	1mm²	BK	WH	N/A	TS_04_07	11	12	TB-04-07	11A	11B	04	07	11	CA_05_07	CA_05_08	-	FGS_DO01
	950-XL-05202	DO	TB-950-JE-05104	05	06	03709	03710	03711	03712	N/A	1mm²	BK	WH	N/A	TS_04_07	13	14	TB-04-07	12A	12B	04	07	12	CA_05_07	CA_05_08	-	FGS_DO01
<2>	WS0120040713	DO	TB-950-JE-05104	07	08	03713	03714	03715	03716	N/A	1mm²	BK	WH	N/A	TS_04_07	15	16	TB-04-07	13A	13B	04	07	13	CA_05_07	CA_05_08	-	FGS_DO01
<2>	WS0120040714	DO	TB-950-JE-05104	09	10	03717	03718	03719	03720	N/A	1mm²	BK	WH	N/A	TS_04_07	17	18	TB-04-07	14A	14B	04	07	14	CA_05_07	CA_05_08	-	FGS_DO01
<2>	SPARE	DO	TB-950-JE-05104	11	12																						
	950-XZ-06101	DO	TB-950-JE-06103	01	02	03721	03722	03723	03724	N/A	1mm²	BK	WH	N/A	TS_05_07	1	2	TB-05-07	01A	01B	05	07	01	CA_05_07	CA_05_08	-	FGS_DO01
	950-XL-06101	DO	TB-950-JE-06103	03	04	03725	03726	03727	03728	N/A	1mm²	BK	WH	N/A	TS_05_07	3	4	TB-05-07	02A	02B	05	07	02	CA_05_07	CA_05_08	-	FGS_DO01
	950-XL-06102	DO	TB-950-JE-06103	05	06	03729	03730	03731	03732	N/A	1mm²	BK	WH	N/A	TS_05_07	5	6	TB-05-07	03A	03B	05	07	03	CA_06_03	CA_06_04	-	FGS_DO01
	950-XL-06103	DO	TB-950-JE-06103	07	08	03733	03734	03735	03736	N/A	1mm²	BK	WH	N/A	TS_05_07	7	8	TB-05-07	04A	04B	05	07	04	CA_06_03	CA_06_04	-	FGS_DO01
	950-XL-06104	DO	TB-950-JE-06103	09	10	03737	03738	03739	03740	N/A	1mm²	BK	WH	N/A	TS_05_07	9	10	TB-05-07	05A	05B	05	07	05	CA_06_05	CA_06_06	-	FGS_DO01
<2>	WS0120050711	DO	TB-950-JE-06103	11	12	03741	03742	03743	03744	N/A	1mm²	BK	WH	N/A	TS_05_07	11	12	TB-05-07	11A	11B	05	07	11	CA_06_05	CA_06_06	-	FGS_DO01
	950-XZ-06201	DO	TB-950-JE-06203	01	02	03745	03746	03747	03748	N/A	1mm²	BK	WH	N/A	TS_05_07	13	14	TB-05-07	06A	06B	05	07	06	CA_05_07	CA_05_08	-	FGS_DO01
	950-XL-06201	DO	TB-950-JE-06203	03	04	03749	03750	03751	03752	N/A	1mm²	BK	WH	N/A	TS_05_07	15	16	TB-05-07	07A	07B	05	07	07	CA_05_07	CA_05_08	-	FGS_DO01
	950-XL-06202	DO	TB-950-JE-06203	05	06	03753	03754	03755	03756	N/A	1mm²	BK	WH	N/A	TS_05_07	17	18	TB-05-07	08A	08B	05	07	08	CA_05_07	CA_05_08	-	FGS_DO01
<2>	77-HY-001	DO	TB-950-JE-06203	07	08	03757	03758	03759	03760	03761	1mm²	BK	WH	RD	N/A			TB-05-07	09A	09B	05	07	09	CA_05_07	CA_05_08	KA5	FGS_DO02
<2>	77-HY-002	DO	TB-950-JE-06203	09	10	03762	03763	03764	03765	03766	1mm²	BK	WH	RD	N/A			TB-05-07	10A	10B	05	07	10	CA_05_07	CA_05_08	KA6	FGS_DO02
<2>	77-HY-003	DO	TB-950-JE-06203	11	12	03767	03768	03769	03770	03771	1mm²	BK	WH	RD	N/A			TB-03-07	10A	10B	03	07	10	CA_03_07	CA_03_08	KA1	FGS_DO02
	950-XZ-07101	DO	TB-950-JE-07101	01	02	03772	03773	03774	03775	N/A	1mm²	BK	WH	N/A	TS_06_03	1	2	TB-06-03	01A	01B	06	03	01	CA_06_03	CA_06_04	-	FGS_DO01
	950-XL-07101	DO	TB-950-JE-07101	03	04	03776	03777	03778	03779	N/A	1mm²	BK	WH	N/A	TS_06_03	3	4	TB-06-03	02A	02B	06	03	02	CA_06_03	CA_06_04	-	FGS_DO01
	950-XL-07102	DO	TB-950-JE-07101	05	06	03780	03781	03782	03783	N/A	1mm²	BK	WH	N/A	TS_06_03	5	6	TB-06-03	03A	03B	06	03	03	CA_06_03	CA_06_04	-	FGS_DO01
<2>	WS0120050712	DO	TB-950-JE-07101	07	08	03784	03785	03786	03787	N/A	1mm²	BK	WH	N/A	TS_05_07	19	20	TB-05-07	12A	12B	05	07	12	CA_05_07	CA_05_08	-	FGS_DO01
<2>	WS0120060310	DO	TB-950-JE-07101	09	10	03788	03789	03790	03791	N/A	1mm²	BK	WH	N/A	TS_06_03	7	8	TB-06-03	10A	10B	06	03	10	CA_06_03	CA_06_04	-	FGS_DO01
<2>	WS0120060311	DO	TB-950-JE-07101	11	12	03792	03793	03794	03795	N/A	1mm²	BK	WH	N/A	TS_06_03	9	10	TB-06-03	11A	11B	06	03	11	CA_06_03	CA_06_04	-	FGS_DO01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - DIGITAL OUTPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 037

REV. 2

A | B | C | D | E | F | G | H | J | K

FGS PANEL - TB-B400-FGS-002-4 + TB-B400-FGS-002-5 + TB-B400-FGS-002-6 + TB-NC-200F2.01 <2>

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S.B NUM.	WIRE + (A)	WIRE - (A)	WIRE + (B)	WIRE - (B)	WIRE PS +	WIRE SECTION (A+B+PS)	WIRE COLOUR + (A+B)	WIRE COLOUR - (A+B)	WIRE PS COLOUR	FUSE T.S. NAME	FUSE T.S. A NUM.	FUSE T.S. B NUM.	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	RELAY TAG	TYPICAL
<2>	77-HY-015	DO	TB-B400-FGS-002-4	01	02	03801	03802	03803	03804	03805	1mm²	BK	WH	RD	N/A			TB-06-05	07A	07B	06	05	07	CA_06_05	CA_06_06	KA15	FGS_DO02
<2>	77-HY-016	DO	TB-B400-FGS-002-4	03	04	03806	03807	03808	03809	03810	1mm²	BK	WH	RD	N/A			TB-06-05	08A	08B	06	05	08	CA_06_05	CA_06_06	KA16	FGS_DO02
<2>	77-HY-012	DO	TB-B400-FGS-002-5	01	02	03811	03812	03813	03814	03815	1mm²	BK	WH	RD	N/A			TB-06-05	04A	04B	06	05	04	CA_06_05	CA_06_06	KA12	FGS_DO02
<2>	77-HY-013	DO	TB-B400-FGS-002-5	03	04	03816	03817	03818	03819	03820	1mm²	BK	WH	RD	N/A			TB-06-05	05A	05B	06	05	05	CA_06_05	CA_06_06	KA13	FGS_DO02
<2>	77-HY-014	DO	TB-B400-FGS-002-5	05	06	03821	03822	03823	03824	03825	1mm²	BK	WH	RD	N/A			TB-06-05	06A	06B	06	05	06	CA_06_05	CA_06_06	KA14	FGS_DO02
	950-XZ-04201	DO	TB-B400-FGS-002-6	01	02	03826	03827	03828	03829	N/A	1mm²	BK	WH	N/A	TS_06_03	11	12	TB-06-03	04A	04B	06	03	04	CA_06_03	CA_06_04	-	FGS_DO01
	950-XL-04201	DO	TB-B400-FGS-002-6	03	04	03830	03831	03832	03833	N/A	1mm²	BK	WH	N/A	TS_06_03	13	14	TB-06-03	05A	05B	06	03	05	CA_06_03	CA_06_04	-	FGS_DO01
	950-XL-04202	DO	TB-B400-FGS-002-6	05	06	03834	03835	03836	03837	N/A	1mm²	BK	WH	N/A	TS_06_03	15	16	TB-06-03	06A	06B	06	03	06	CA_06_03	CA_06_04	-	FGS_DO01
	72-XS-001	DO	TB-NC-200F2.01	01	02	03838	03839	03840	03841	N/A	1mm²	BK	WH	N/A	TS_06_03	17	18	TB-06-03	09A	09B	06	03	09	CA_06_03	CA_06_04	-	FGS_DO01
<2>	72-XS-002	DO	TB-NC-200F2.01	03	04	03842	03843	03844	03845	N/A	1mm²	BK	WH	N/A	TS_06_05	19	20	TB-06-05	11A	11B	06	05	11	CA_06_05	CA_06_06	-	FGS_DO01

01 02 03 04 05 06 07 08 09 10

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND | ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - DIGITAL OUTPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 038

REV. 2

SHEET LEFT INTENTIONALLY BLANK

2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 039

REV. 2

FGS PANEL - TB-950-JE-01101 + TB-950-JE-01102 + TB-950-JE-02101

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	T.S. C NUM.	WIRE + (A)	WIRE - (A)	WIRE PS +	WIRE SECTION (A+B+PS)	WIRE COLOUR +(A)	WIRE COLOUR - (B)	WIRE PS COLOUR	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
	950-FDZ-01101	AI	TB-950-JE-01101	01	02	03	04001	04002	04003	1mm²	BK	WH	RD	TB-02-01	05A	05B	02	01	05	CA_01_02	CA_01_03	FGS_AI01
	950-FDZ-01102	AI	TB-950-JE-01101	04	05	06	04004	04005	04006	1mm²	BK	WH	RD	TB-02-03	05A	05B	02	03	05	CA_04_05	CA_04_06	FGS_AI01
	950-FDZ-01103	AI	TB-950-JE-01101	07	08	09	04007	04008	04009	1mm²	BK	WH	RD	TB-03-01	05A	05B	03	01	05	CA_07_08	CA_07_09	FGS_AI01
	950-FDZ-01104	AI	TB-950-JE-01101	10	11	12	04010	04011	04012	1mm²	BK	WH	RD	TB-03-03	05A	05B	03	03	05	CA_10_11	CA_10_012	FGS_AI01
<2>	WS0120020112	AI	TB-950-JE-01101	13	14	15	04013	04014	04015	1mm²	BK	WH	RD	TB-02-01	12A	12B	02	01	12	CA_13_14	CA_13_015	FGS_AI01
<2>	SPARE	AI	TB-950-JE-01101	16	17	18																
	950-GDZ-01101	AI	TB-950-JE-01102	1	2	3	04016	04017	04018	1mm²	BK	WH	RD	TB-02-01	11A	11B	02	01	11	CA_1_2	CA_1_03	FGS_AI01
	950-GDZ-01102	AI	TB-950-JE-01102	4	5	6	04019	04020	04021	1mm²	BK	WH	RD	TB-02-03	13A	13B	02	03	13	CA_4_5	CA_4_06	FGS_AI01
	950-GDZ-01103	AI	TB-950-JE-01102	7	8	9	04022	04023	04024	1mm²	BK	WH	RD	TB-04-01	16A	16B	04	01	16	CA_7_8	CA_7_09	FGS_AI01
<2>	WS0120020113	AI	TB-950-JE-01102	10	11	12	04025	04026	04027	1mm²	BK	WH	RD	TB-02-01	13A	13B	02	01	13	CA_10_11	CA_10_012	FGS_AI01
<2>	WS0120020315	AI	TB-950-JE-01102	13	14	15	04028	04029	04030	1mm²	BK	WH	RD	TB-02-03	15A	15B	02	03	15	CA_13_14	CA_13_015	FGS_AI01
<2>	SPARE	AI	TB-950-JE-01102	16	17	18																
	950-FDZ-02101	AI	TB-950-JE-02101	01	02	03	04031	04032	04033	1mm²	BK	WH	RD	TB-02-01	04A	04B	02	01	04	CA_01_02	CA_01_03	FGS_AI01
	950-FDZ-02102	AI	TB-950-JE-02101	04	05	06	04034	04035	04036	1mm²	BK	WH	RD	TB-02-03	04A	04B	02	03	04	CA_04_05	CA_04_06	FGS_AI01
	950-FDZ-02103	AI	TB-950-JE-02101	07	08	09	04037	04038	04039	1mm²	BK	WH	RD	TB-03-01	04A	04B	03	01	04	CA_07_08	CA_07_09	FGS_AI01
	950-FDZ-02104	AI	TB-950-JE-02101	10	11	12	04040	04041	04042	1mm²	BK	WH	RD	TB-03-03	04A	04B	03	03	04	CA_10_11	CA_10_012	FGS_AI01
	950-GDZ-02101	AI	TB-950-JE-02101	13	14	15	04043	04044	04045	1mm²	BK	WH	RD	TB-02-01	01A	01B	02	01	01	CA_13_14	CA_13_015	FGS_AI01
	950-GDZ-02102	AI	TB-950-JE-02101	16	17	18	04046	04047	04048	1mm²	BK	WH	RD	TB-02-01	02A	02B	02	01	02	CA_16_17	CA_16_018	FGS_AI01
	950-GDZ-02103	AI	TB-950-JE-02101	19	20	21	04049	04050	04051	1mm²	BK	WH	RD	TB-02-01	03A	03B	02	01	03	CA_19_20	CA_19_021	FGS_AI01
	950-GDZ-02104	AI	TB-950-JE-02101	22	23	24	04052	04053	04054	1mm²	BK	WH	RD	TB-02-03	01A	01B	02	03	01	CA_22_23	CA_22_024	FGS_AI01
	950-GDZ-02105	AI	TB-950-JE-02101	25	26	27	04055	04056	04057	1mm²	BK	WH	RD	TB-02-03	02A	02B	02	03	02	CA_25_26	CA_25_027	FGS_AI01
	950-GDZ-02106	AI	TB-950-JE-02101	28	29	30	04058	04059	04060	1mm²	BK	WH	RD	TB-02-03	03A	03B	02	03	03	CA_28_29	CA_28_030	FGS_AI01
<2>	WS0120020316	AI	TB-950-JE-02101	31	32	33	04061	04062	04063	1mm²	BK	WH	RD	TB-02-03	16A	16B	02	03	16	CA_31_32	CA_31_033	FGS_AI01
<2>	WS0120030114	AI	TB-950-JE-02101	34	35	36	04064	04065	04066	1mm²	BK	WH	RD	TB-03-01	14A	14B	03	01	14	CA_34_35	CA_34_036	FGS_AI01
																	<2>	<2>	<2>			

<2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - NIS ANALOG INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 040

REV. 2

FGS PANEL - TB-950-JE-02102 + TB-950-JE-03101 + TB-950-JE-02103

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	T.S. C NUM.	WIRE + (A)	WIRE - (A)	WIRE PS +	WIRE SECTION (A+B+PS)	WIRE COLOUR + (A)	WIRE COLOUR - (B)	WIRE PS COLOUR	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL	
	950-GDZ-02107	AI	TB-950-JE-02102	01	02	03	04101	04102	04103	1mm²	BK	WH	RD	TB-03-01	01A	01B	03	01	01	CA_01_02	CA_01_03	FGS_AI01	
	950-GDZ-02108	AI	TB-950-JE-02102	04	05	06	04104	04105	04106	1mm²	BK	WH	RD	TB-03-01	02A	02B	03	01	02	CA_04_05	CA_04_06	FGS_AI01	
	950-GDZ-02109	AI	TB-950-JE-02102	07	08	09	04107	04108	04109	1mm²	BK	WH	RD	TB-03-01	03A	03B	03	01	03	CA_07_08	CA_07_09	FGS_AI01	
	950-GDZ-02110	AI	TB-950-JE-02102	10	11	12	04110	04111	04112	1mm²	BK	WH	RD	TB-03-03	01A	01B	03	03	01	CA_10_11	CA_10_012	FGS_AI01	
	950-GDZ-02111	AI	TB-950-JE-02102	13	14	15	04113	04114	04115	1mm²	BK	WH	RD	TB-03-03	02A	02B	03	03	02	CA_13_14	CA_13_015	FGS_AI01	
	950-GDZ-02112	AI	TB-950-JE-02102	16	17	18	04116	04117	04118	1mm²	BK	WH	RD	TB-03-03	03A	03B	03	03	03	CA_16_17	CA_16_018	FGS_AI01	
	950-GDZ-02113	AI	TB-950-JE-02102	19	20	21	04119	04120	04121	1mm²	BK	WH	RD	TB-04-01	01A	01B	04	01	01	CA_19_20	CA_19_021	FGS_AI01	
	950-GDZ-02114	AI	TB-950-JE-02102	22	23	24	04122	04123	04124	1mm²	BK	WH	RD	TB-04-01	02A	02B	04	01	02	CA_22_23	CA_22_024	FGS_AI01	
	950-GDZ-02115	AI	TB-950-JE-02102	25	26	27	04125	04126	04127	1mm²	BK	WH	RD	TB-04-01	03A	03B	04	01	03	CA_25_26	CA_25_027	FGS_AI01	
	950-GDZ-02116	AI	TB-950-JE-02102	28	29	30	04128	04129	04130	1mm²	BK	WH	RD	TB-04-03	01A	01B	04	03	01	CA_28_29	CA_28_030	FGS_AI01	
<2>	WS0120040113	AI	TB-950-JE-02102	31	32	33	04131	04132	04133	1mm²	BK	WH	RD	TB-04-01	13A	13B	04	01	13	CA_31_32	CA_31_033	FGS_AI01	
<2>	WS0120040314	AI	TB-950-JE-02102	34	35	36	04134	04135	04136	1mm²	BK	WH	RD	TB-04-03	14A	14B	04	03	14	CA_34_35	CA_34_036	FGS_AI01	<2>
	950-GDZ-02117	AI	TB-950-JE-02103	1	2	3	04140	04141	04142	1mm²	BK	WH	RD	TB-04-03	02A	02B	04	03	02	CA_1_2	CA_1_03	FGS_AI01	
	950-GDZ-02118	AI	TB-950-JE-02103	4	5	6	04143	04144	04145	1mm²	BK	WH	RD	TB-04-03	03A	03B	04	03	03	CA_4_5	CA_4_06	FGS_AI01	
	950-GDZ-02119	AI	TB-950-JE-02103	7	8	9	04146	04147	04148	1mm²	BK	WH	RD	TB-05-01	01A	01B	05	01	01	CA_7_8	CA_7_09	FGS_AI01	
	950-GDZ-02120	AI	TB-950-JE-02103	10	11	12	04149	04150	04151	1mm²	BK	WH	RD	TB-05-01	02A	02B	05	01	02	CA_10_11	CA_10_012	FGS_AI01	
	WS0110040315	AI	TB-950-JE-02103	13	14	15	04152	04153	04154	1mm²	BK	WH	RD	TB-04-03	15A	15B	04	03	15	CA_13_14	CA_13_015	FGS_AI01	
<2>	SPARE	AI	TB-950-JE-02103	16	17	18																	
																	<2>	<2>	<2>				

<2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - NIS ANALOG INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 041

REV. 2

FGS PANEL - TB-950-JE-03101 + TB-950-JE-03102 + TB-950-JE-04101

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	T.S. C NUM.	WIRE + (A)	WIRE - (A)	WIRE PS +	WIRE SECTION (A+B+PS)	WIRE COLOUR + (A)	WIRE COLOUR - (B)	WIRE PS COLOUR	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
<2>	950-GDZ-03101	AI	TB-950-JE-03101	01	02	03	04201	04202	04203	1mm²	BK	WH	RD	TB-02-01	07A	07B	03	01	13	CA_01_02	CA_01_03	FGS_AI01
<2>	950-GDZ-03102	AI	TB-950-JE-03101	04	05	06	04204	04205	04206	1mm²	BK	WH	RD	TB-02-03	07A	07B	03	03	08	CA_04_05	CA_04_06	FGS_AI01
<2>	950-GDZ-03103	AI	TB-950-JE-03101	07	08	09	04207	04208	04209	1mm²	BK	WH	RD	TB-03-01	07A	07B	04	01	08	CA_07_08	CA_07_09	FGS_AI01
<2>	950-GDZ-03104	AI	TB-950-JE-03101	10	11	12	04210	04211	04212	1mm²	BK	WH	RD	TB-03-03	07A	07B	04	03	08	CA_10_11	CA_10_012	FGS_AI01
<2>	950-GDZ-03105	AI	TB-950-JE-03101	13	14	15	04213	04214	04215	1mm²	BK	WH	RD	TB-02-01	08A	08B	05	01	08	CA_13_14	CA_13_015	FGS_AI01
<2>	950-GDZ-03107	AI	TB-950-JE-03101	16	17	18	04216	04217	04218	1mm²	BK	WH	RD	TB-02-03	08A	08B	02	01	08	CA_16_17	CA_16_018	FGS_AI01
<2>	950-GDZ-03108	AI	TB-950-JE-03101	19	20	21	04219	04220	04221	1mm²	BK	WH	RD	TB-03-01	08A	08B	02	03	08	CA_19_20	CA_19_021	FGS_AI01
<2>	950-GDZ-03109	AI	TB-950-JE-03101	22	23	24	04222	04223	04224	1mm²	BK	WH	RD	TB-02-01	14A	14B	03	01	08	CA_22_23	CA_22_024	FGS_AI01
<2>	WS0120020115	AI	TB-950-JE-03101	25	26	27	04225	04226	04227	1mm²	BK	WH	RD	TB-02-01	15A	15B	02	01	15	CA_25_26	CA_25_027	FGS_AI01
<2>	WS0120030115	AI	TB-950-JE-03101	28	29	30	04228	04229	04230	1mm²	BK	WH	RD	TB-03-01	15A	15B	03	01	15	CA_28_29	CA_28_030	FGS_AI01
<2>	WS0120030116	AI	TB-950-JE-03101	31	32	33	04231	04232	04233	1mm²	BK	WH	RD	TB-03-01	16A	16B	03	01	16	CA_31_32	CA_31_033	FGS_AI01
<2>	WS0120030311	AI	TB-950-JE-03101	34	35	36	04234	04235	04236	1mm²	BK	WH	RD	TB-03-03	11A	11B	03	03	11	CA_34_35	CA_34_036	FGS_AI01
<2>	950-FDZ-03101	AI	TB-950-JE-03102	1	2	3	04237	04238	04239	1mm²	BK	WH	RD	TB-03-01	13A	13B	02	01	07	CA_1_2	CA_1_03	FGS_AI01
<2>	950-FDZ-03102	AI	TB-950-JE-03102	4	5	6	04240	04241	04242	1mm²	BK	WH	RD	TB-03-03	08A	08B	02	03	07	CA_4_5	CA_4_06	FGS_AI01
<2>	950-FDZ-03103	AI	TB-950-JE-03102	7	8	9	04243	04244	04245	1mm²	BK	WH	RD	TB-04-01	08A	08B	03	01	07	CA_7_8	CA_7_09	FGS_AI01
<2>	950-FDZ-03104	AI	TB-950-JE-03102	10	11	12	04246	04247	04248	1mm²	BK	WH	RD	TB-04-03	08A	08B	03	03	07	CA_10_11	CA_10_012	FGS_AI01
<2>	WS0120020114	AI	TB-950-JE-03102	13	14	15	04249	04250	04251	1mm²	BK	WH	RD	TB-05-01	08A	08B	02	01	14	CA_13_14	CA_13_015	FGS_AI01
<2>	WS0120030312	AI	TB-950-JE-03102	16	17	18	04252	04253	04254	1mm²	BK	WH	RD	TB-03-03	12A	12B	03	03	12	CA_16_17	CA_16_018	FGS_AI01
	950-FDZ-04101	AI	TB-950-JE-04101	01	02	03	04255	04256	04257	1mm²	BK	WH	RD	TB-02-01	06A	06B	02	01	06	CA_01_02	CA_01_03	FGS_AI01
	950-FDZ-04102	AI	TB-950-JE-04101	04	05	06	04258	04259	04260	1mm²	BK	WH	RD	TB-02-03	06A	06B	02	03	06	CA_04_05	CA_04_06	FGS_AI01
	950-FDZ-04103	AI	TB-950-JE-04101	07	08	09	04261	04262	04263	1mm²	BK	WH	RD	TB-03-01	06A	06B	03	01	06	CA_07_08	CA_07_09	FGS_AI01
	950-FDZ-04104	AI	TB-950-JE-04101	10	11	12	04264	04265	04266	1mm²	BK	WH	RD	TB-03-03	06A	06B	03	03	06	CA_10_11	CA_10_012	FGS_AI01
<2>	SPARE	AI	TB-950-JE-04101	13	14	15																
<2>	SPARE	AI	TB-950-JE-04101	16	17	18																

FOR SIGNALS: 950-GDZ-03101-PS, 950-GDZ-03102-PS, 950-GDZ-03103-PS, 950-GDZ-03104-PS, 950-GDZ-03105-PS SEE PAG 021 <2> <2> <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - NIS ANALOG INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 042

REV. 2

FGS PANEL - TB-950-JE-04201 + TB-950-JE-04205 + TB-950-JE-05101

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	T.S. C NUM.	WIRE + (A)	WIRE - (A)	WIRE PS +	WIRE SECTION (A+B+PS)	WIRE COLOUR + (A)	WIRE COLOUR - (B)	WIRE PS COLOUR	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
	950-GDZ-04213	AI	TB-950-JE-04201	01	02	03	04301	04302	04303	1mm²	BK	WH	RD	TB-02-01	09A	09B	02	01	09	CA_01_02	CA_01_03	FGS_AI01
	950-GDZ-04214	AI	TB-950-JE-04201	04	05	06	04304	04305	04306	1mm²	BK	WH	RD	TB-02-03	11A	11B	02	03	11	CA_04_05	CA_04_06	FGS_AI01
	950-GDZ-04215	AI	TB-950-JE-04201	07	08	09	04307	04308	04309	1mm²	BK	WH	RD	TB-03-01	11A	11B	03	01	11	CA_07_08	CA_07_09	FGS_AI01
	950-GDZ-04216	AI	TB-950-JE-04201	10	11	12	04310	04311	04312	1mm²	BK	WH	RD	TB-02-01	10A	10B	02	01	10	CA_10_11	CA_10_012	FGS_AI01
	950-GDZ-04217	AI	TB-950-JE-04201	13	14	15	04313	04314	04315	1mm²	BK	WH	RD	TB-02-03	12A	12B	02	03	12	CA_13_14	CA_13_015	FGS_AI01
	950-GDZ-04218	AI	TB-950-JE-04201	16	17	18	04316	04317	04318	1mm²	BK	WH	RD	TB-03-01	12A	12B	03	01	12	CA_16_17	CA_16_018	FGS_AI01
	950-GDZ-04207	AI	TB-950-JE-04205	01	02	03	04319	04320	04321	1mm²	BK	WH	RD	TB-04-01	04A	04B	04	01	04	CA_01_02	CA_01_03	FGS_AI01
	950-GDZ-04208	AI	TB-950-JE-04205	04	05	06	04322	04323	04324	1mm²	BK	WH	RD	TB-04-03	04A	04B	04	03	04	CA_04_05	CA_04_06	FGS_AI01
	950-GDZ-04209	AI	TB-950-JE-04205	07	08	09	04325	04326	04327	1mm²	BK	WH	RD	TB-05-01	04A	04B	05	01	04	CA_07_08	CA_07_09	FGS_AI01
	950-GDZ-04210	AI	TB-950-JE-04205	10	11	12	04328	04329	04330	1mm²	BK	WH	RD	TB-04-01	05A	05B	04	01	05	CA_10_11	CA_10_012	FGS_AI01
	950-GDZ-04211	AI	TB-950-JE-04205	13	14	15	04331	04332	04333	1mm²	BK	WH	RD	TB-04-03	05A	05B	04	03	05	CA_13_14	CA_13_015	FGS_AI01
	950-GDZ-04212	AI	TB-950-JE-04205	16	17	18	04334	04335	04336	1mm²	BK	WH	RD	TB-05-01	05A	05B	05	01	05	CA_16_17	CA_16_018	FGS_AI01
	950-FDZ-05101	AI	TB-950-JE-05101	01	02	03	04337	04338	04339	1mm²	BK	WH	RD	TB-02-03	10A	10B	02	03	10	CA_01_02	CA_01_03	FGS_AI01
	950-FDZ-05102	AI	TB-950-JE-05101	04	05	06	04340	04341	04342	1mm²	BK	WH	RD	TB-03-01	10A	10B	03	01	10	CA_04_05	CA_04_06	FGS_AI01
	950-FDZ-05103	AI	TB-950-JE-05101	07	08	09	04343	04344	04345	1mm²	BK	WH	RD	TB-03-03	10A	10B	03	03	10	CA_07_08	CA_07_09	FGS_AI01
	950-FDZ-05104	AI	TB-950-JE-05101	10	11	12	04346	04347	04348	1mm²	BK	WH	RD	TB-04-01	10A	10B	04	01	10	CA_10_11	CA_10_012	FGS_AI01
	950-GDZ-05101	AI	TB-950-JE-05101	13	14	15	04349	04350	04351	1mm²	BK	WH	RD	TB-02-03	09A	09B	02	03	09	CA_13_14	CA_13_015	FGS_AI01
	950-GDZ-05102	AI	TB-950-JE-05101	16	17	18	04352	04353	04354	1mm²	BK	WH	RD	TB-03-01	09A	09B	03	01	09	CA_16_17	CA_16_018	FGS_AI01
	950-GDZ-05103	AI	TB-950-JE-05101	19	20	21	04355	04356	04357	1mm²	BK	WH	RD	TB-03-03	09A	09B	03	03	09	CA_19_20	CA_19_021	FGS_AI01
	950-GDZ-05104	AI	TB-950-JE-05101	22	23	24	04358	04359	04360	1mm²	BK	WH	RD	TB-04-01	09A	09B	04	01	09	CA_22_23	CA_22_024	FGS_AI01
	950-GDZ-05105	AI	TB-950-JE-05101	25	26	27	04361	04362	04363	1mm²	BK	WH	RD	TB-04-03	09A	09B	04	03	09	CA_25_26	CA_25_027	FGS_AI01
	950-GDZ-05106	AI	TB-950-JE-05101	28	29	30	04364	04365	04366	1mm²	BK	WH	RD	TB-05-01	09A	09B	05	01	09	CA_28_29	CA_28_030	FGS_AI01
<2>	WS0120040114	AI	TB-950-JE-05101	31	32	33	04367	04368	04369	1mm²	BK	WH	RD	TB-04-01	14A	14B	04	01	14	CA_31_32	CA_31_033	FGS_AI01
<2>	WS0120040115	AI	TB-950-JE-05101	34	35	36	04370	04371	04372	1mm²	BK	WH	RD	TB-04-01	15A	15B	04	01	15	CA_34_35	CA_34_036	FGS_AI01
																	<2>	<2>	<2>			

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - NIS ANALOG INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 043

REV. 2

FGS PANEL - TB-950-JE-06101 + TB-950-JE-06201 + TB-B400-FGS-002-3

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	T.S. C NUM.	WIRE + (A)	WIRE - (A)	WIRE PS +	WIRE SECTION (A+B+PS)	WIRE COLOUR + (A)	WIRE COLOUR - (B)	WIRE PS COLOUR	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
	950-FDZ-06101	AI	TB-950-JE-06101	01	02	03	04401	04402	04403	1mm²	BK	WH	RD	TB-04-03	10A	10B	04	03	10	CA_01_02	CA_01_03	FGS_AI01
	950-FDZ-06103	AI	TB-950-JE-06101	04	05	06	04404	04405	04406	1mm²	BK	WH	RD	TB-05-01	10A	10B	05	01	10	CA_04_05	CA_04_06	FGS_AI01
<2>	WS0120050113	AI	TB-950-JE-06101	07	08	09	04407	04408	04409	1mm²	BK	WH	RD	TB-05-01	13A	13B	05	01	13	CA_07_08	CA_07_09	FGS_AI01
<2>	WS0120050114	AI	TB-950-JE-06101	10	11	12	04410	04411	04412	1mm²	BK	WH	RD	TB-05-01	14A	14B	05	01	14	CA_10_11	CA_10_012	FGS_AI01
<2>	SPARE	AI	TB-950-JE-06101	13	14	15																
<2>	SPARE	AI	TB-950-JE-06101	16	17	18																
	950-GDZ-06201	AI	TB-950-JE-06201	01	02	03	04413	04414	04415	1mm²	BK	WH	RD	TB-04-01	06A	06B	04	01	06	CA_01_02	CA_01_03	FGS_AI01
	950-GDZ-06202	AI	TB-950-JE-06201	04	05	06	04416	04417	04418	1mm²	BK	WH	RD	TB-04-03	06A	06B	04	03	06	CA_04_05	CA_04_06	FGS_AI01
	950-GDZ-06203	AI	TB-950-JE-06201	07	08	09	04419	04420	04421	1mm²	BK	WH	RD	TB-05-01	06A	06B	05	01	06	CA_07_08	CA_07_09	FGS_AI01
	950-GDZ-06204	AI	TB-950-JE-06201	10	11	12	04422	04423	04424	1mm²	BK	WH	RD	TB-04-01	07A	07B	04	01	07	CA_10_11	CA_10_012	FGS_AI01
	950-GDZ-06205	AI	TB-950-JE-06201	13	14	15	04425	04426	04427	1mm²	BK	WH	RD	TB-04-03	07A	07B	04	03	07	CA_13_14	CA_13_015	FGS_AI01
	950-GDZ-06206	AI	TB-950-JE-06201	16	17	18	04428	04429	04430	1mm²	BK	WH	RD	TB-05-01	07A	07B	05	01	07	CA_16_17	CA_16_018	FGS_AI01
	950-GDZ-04201	AI	TB-B400-FGS-002-3	01	02	03	04431	04432	04433	1mm²	BK	WH	RD	TB-04-01	11A	11B	04	01	11	CA_01_02	CA_01_03	FGS_AI01
	950-GDZ-04202	AI	TB-B400-FGS-002-3	04	05	06	04434	04435	04436	1mm²	BK	WH	RD	TB-04-03	11A	11B	04	03	11	CA_04_05	CA_04_06	FGS_AI01
	950-GDZ-04203	AI	TB-B400-FGS-002-3	07	08	09	04437	04438	04439	1mm²	BK	WH	RD	TB-05-01	11A	11B	05	01	11	CA_07_08	CA_07_09	FGS_AI01
	950-GDZ-04204	AI	TB-B400-FGS-002-3	10	11	12	04440	04441	04442	1mm²	BK	WH	RD	TB-04-01	12A	12B	04	01	12	CA_10_11	CA_10_012	FGS_AI01
	950-GDZ-04205	AI	TB-B400-FGS-002-3	13	14	15	04443	04444	04445	1mm²	BK	WH	RD	TB-04-03	12A	12B	04	03	12	CA_13_14	CA_13_015	FGS_AI01
	950-GDZ-04206	AI	TB-B400-FGS-002-3	16	17	18	04446	04447	04448	1mm²	BK	WH	RD	TB-05-01	12A	12B	05	01	12	CA_16_17	CA_16_018	FGS_AI01
																	<2>	<2>	<2>			

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - NIS ANALOG INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 044

REV. 2

SHEET LEFT INTENTIONALLY BLANK

2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 045

REV. 2

FGS PANEL - TB-950-JE-04204 + TB-950-JE-04208 + TB-950-JE-06204 + TB-B400-FGS-002-2

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM	WIRE + (A)	WIRE - (A)	WIRE SECTION (A+B+PS)	WIRE COLOUR + (A)	WIRE COLOUR - (B)	T.B. NAME	T.B. IN +	T.B.IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
950-SDZ-04213	AI	TB-950-JE-04204	01	02	04601	04602	1mm²	LB	LB	TB-01-01	05A	05B	01	01	05	CA_01_01	CA_01_02	FGS_AI02
950-SDZ-04214	AI	TB-950-JE-04204	03	04	04603	04604	1mm²	LB	LB	TB-01-03	05A	05B	01	03	05	CA_01_03	CA_01_04	FGS_AI02
950-SDZ-04215	AI	TB-950-JE-04204	05	06	04605	04606	1mm²	LB	LB	TB-01-05	05A	05B	01	05	05	CA_01_05	CA_01_06	FGS_AI02
950-SDZ-04216	AI	TB-950-JE-04204	07	08	04607	04608	1mm²	LB	LB	TB-01-01	06A	06B	01	01	06	CA_01_01	CA_01_02	FGS_AI02
950-SDZ-04217	AI	TB-950-JE-04204	09	10	04609	04610	1mm²	LB	LB	TB-01-03	06A	06B	01	03	06	CA_01_03	CA_01_04	FGS_AI02
950-SDZ-04218	AI	TB-950-JE-04204	11	12	04611	04612	1mm²	LB	LB	TB-01-05	06A	06B	01	05	06	CA_01_05	CA_01_06	FGS_AI02
950-SDZ-04207	AI	TB-950-JE-04208	01	02	04613	04614	1mm²	LB	LB	TB-01-01	03A	03B	01	01	03	CA_01_01	CA_01_02	FGS_AI02
950-SDZ-04208	AI	TB-950-JE-04208	03	04	04615	04616	1mm²	LB	LB	TB-01-03	03A	03B	01	03	03	CA_01_03	CA_01_04	FGS_AI02
950-SDZ-04209	AI	TB-950-JE-04208	05	06	04617	04618	1mm²	LB	LB	TB-01-05	03A	03B	01	05	03	CA_01_05	CA_01_06	FGS_AI02
950-SDZ-04210	AI	TB-950-JE-04208	07	08	04619	04620	1mm²	LB	LB	TB-01-01	04A	04B	01	01	04	CA_01_01	CA_01_02	FGS_AI02
950-SDZ-04211	AI	TB-950-JE-04208	09	10	04621	04622	1mm²	LB	LB	TB-01-03	04A	04B	01	03	04	CA_01_03	CA_01_04	FGS_AI02
950-SDZ-04212	AI	TB-950-JE-04208	11	12	04623	04624	1mm²	LB	LB	TB-01-05	04A	04B	01	05	04	CA_01_05	CA_01_06	FGS_AI02
950-SDZ-06201	AI	TB-950-JE-06204	01	02	04625	04626	1mm²	LB	LB	TB-01-01	07A	07B	01	01	07	CA_01_01	CA_01_02	FGS_AI02
950-SDZ-06202	AI	TB-950-JE-06204	03	04	04627	04628	1mm²	LB	LB	TB-01-03	07A	07B	01	03	07	CA_01_03	CA_01_04	FGS_AI02
950-SDZ-06203	AI	TB-950-JE-06204	05	06	04629	04630	1mm²	LB	LB	TB-01-05	07A	07B	01	05	07	CA_01_05	CA_01_06	FGS_AI02
950-SDZ-06204	AI	TB-950-JE-06204	07	08	04631	04632	1mm²	LB	LB	TB-01-01	08A	08B	01	01	08	CA_01_01	CA_01_02	FGS_AI02
950-SDZ-06205	AI	TB-950-JE-06204	09	10	04633	04634	1mm²	LB	LB	TB-01-03	08A	08B	01	03	08	CA_01_03	CA_01_04	FGS_AI02
950-SDZ-06206	AI	TB-950-JE-06204	11	12	04635	04636	1mm²	LB	LB	TB-01-05	08A	08B	01	05	08	CA_01_05	CA_01_06	FGS_AI02
950-SDZ-04201	AI	TB-B400-FGS-002-2	01	02	04637	04638	1mm²	LB	LB	TB-01-01	01A	01B	01	01	01	CA_01_01	CA_01_02	FGS_AI02
950-SDZ-04202	AI	TB-B400-FGS-002-2	03	04	04639	04640	1mm²	LB	LB	TB-01-03	01A	01B	01	03	01	CA_01_03	CA_01_04	FGS_AI02
950-SDZ-04203	AI	TB-B400-FGS-002-2	05	06	04641	04642	1mm²	LB	LB	TB-01-05	01A	01B	01	05	01	CA_01_05	CA_01_06	FGS_AI02
950-SDZ-04204	AI	TB-B400-FGS-002-2	07	08	04643	04644	1mm²	LB	LB	TB-01-01	02A	02B	01	01	02	CA_01_01	CA_01_02	FGS_AI02
950-SDZ-04205	AI	TB-B400-FGS-002-2	09	10	04645	04646	1mm²	LB	LB	TB-01-03	02A	02B	01	03	02	CA_01_03	CA_01_04	FGS_AI02
950-SDZ-04206	AI	TB-B400-FGS-002-2	11	12	04647	04648	1mm²	LB	LB	TB-01-05	02A	02B	01	05	02	CA_01_05	CA_01_06	FGS_AI02
WS0110010109	AI	TB-B400-FGS-002-2	13	14	04649	04650	1mm²	LB	LB	TB-01-01	09A	09B	01	01	09	CA_01_01	CA_01_02	FGS_AI02
WS0110010110	AI	TB-B400-FGS-002-2	15	16	04651	04652	1mm²	LB	LB	TB-01-01	10A	10B	01	01	10	CA_01_01	CA_01_02	FGS_AI02
WS0110010309	AI	TB-B400-FGS-002-2	17	18	04653	04654	1mm²	LB	LB	TB-01-03	09A	09B	01	03	09	CA_01_03	CA_01_04	FGS_AI02
WS0110010310	AI	TB-B400-FGS-002-2	19	20	04655	04656	1mm²	LB	LB	TB-01-03	10A	10B	01	03	10	CA_01_03	CA_01_04	FGS_AI02
WS0110010509	AI	TB-B400-FGS-002-2	21	22	04657	04658	1mm²	LB	LB	TB-01-05	09A	09B	01	05	09	CA_01_05	CA_01_06	FGS_AI02
<2> WS0110010510	AI	TB-B400-FGS-002-2	23	24	04659	04660	1mm²	LB	LB	TB-01-05	10A	10B	01	05	10	CA_01_05	CA_01_06	FGS_AI02

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
FGS PANEL - IS ANALOG INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 046

REV. 2

SIS PANEL - POWER DISTRIBUTION FROM UPS LINE 1

230Vac-50Hz
FROM UPS#1
(BY CUSTOMER)

CUSTOMER CONNECTION POINT

TB-PS1_S 1 2 3

04701 BR 6 mm² — 04703 LB 6 mm² — 00611 YG 6 mm² — PE

CB_UPS1_S
(048-B02)

(048-C02)
(048-C02)

MS1_S
230Vac
32A

04704 BR 6 mm² — 04702 LB 6 mm²

	04705 BR 2,5 mm²	04706 LB 2,5 mm²	04707 BR 2,5 mm²	04708 LB 2,5 mm²	04709 BR 2,5 mm²	04710 LB 2,5 mm²	04711 BR 2,5 mm²	04712 LB 2,5 mm²	04713 BR 2,5 mm²	04714 LB 2,5 mm²
	Q55		Q56		Q57		Q58		Q59	
	Q55 230Vac 16A "C" CURVE		Q56 230Vac 6A "D" CURVE		Q57 230Vac 6A "D" CURVE		Q58 230Vac 6A "D" CURVE		Q59 230Vac 10A "C" CURVE	
	(058-B02)		(058-A02)		(058-A03)		(058-B03)		(058-C03)	
	05601 BR 2,5 mm²	05602 LB 2,5 mm²	06301 BR 1,5 mm²	06302 LB 1,5 mm²	06401 BR 1,5 mm²	06402 LB 1,5 mm²	06501 BR 1,5 mm²	06502 LB 1,5 mm²		
	(056-B02)	(056-B02)	(063-G02)	(063-G02)	(064-G02)	(064-G02)	(065-G02)	(065-G02)		
	POWER SUPPLY G1_S		POWER SUPPLY (1) RACK "1" SPW482-53 <2>		POWER SUPPLY (1) RACK "2" SPW482-53 <2>		POWER SUPPLY (1) RACK "3" SPW482-53 <2>			

SPARE

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 047

REV. 2

SIS PANEL - POWER DISTRIBUTION FROM UPS LINE 1



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1

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

SCALE : 1

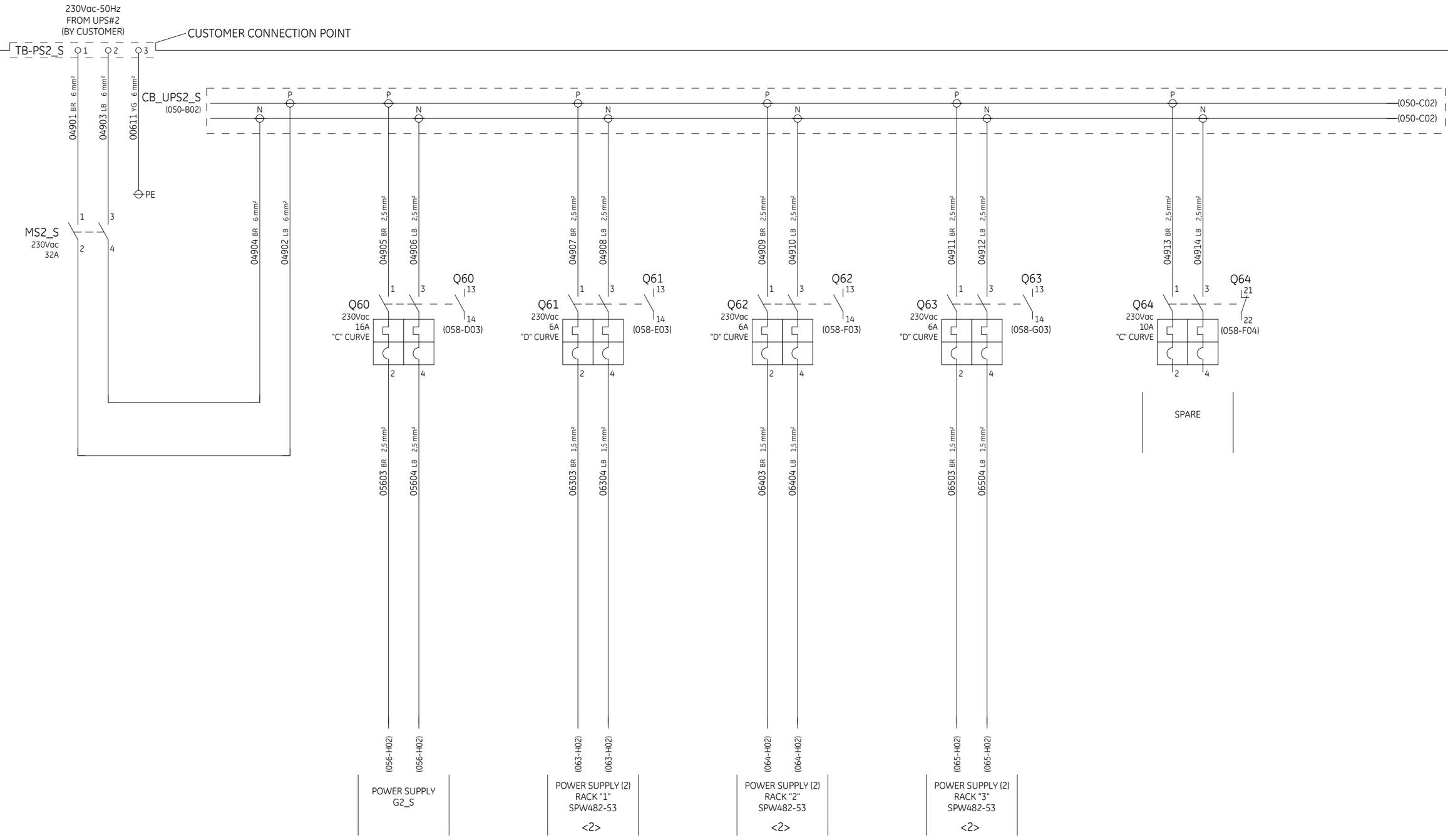
A3

DRAWING NO.
1724000594-IN-DG-00021

SHEET 048

REV. 2

SIS PANEL - POWER DISTRIBUTION FROM UPS LINE 2



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DG-00021

SHEET 049

REV. 2

SIS PANEL - POWER DISTRIBUTION FROM UPS LINE 1



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DG-00021

SHEET 050

REV. 2

SIS PANEL - POWER DISTRIBUTION FROM NON UPS

230Vac-50Hz
FROM MCC
(BY CUSTOMER)

CUSTOMER CONNECTION POINT

TB-PS3_S 1 2 3

05101 BR 6 mm² — 05103 LB 6 mm² — 00611 YG 6 mm² — PE

CB_SER_S

N P P N P N P N

(052-A01)
(052-A01)

05104 LB 6 mm² — 05102 BR 6 mm²

05105 BR 2.5 mm² — 05107 LB 2.5 mm²

05109 BR 2.5 mm² — 05113 LB 2.5 mm²

05114 BR 2.5 mm² — 05115 LB 2.5 mm²

Q50
230Vac
25A
Id 30mA
(058-G02)

Q51
230Vac
16A
"C" CURVE
(058-F02)

Q52
230Vac
2A
"C" CURVE
(058-E02)

Q53
230Vac
4A
"C" CURVE
(058-D02)

SPARE

05106 BR 2.5 mm² — 05108 LB 2.5 mm²

05110 BR 1.5 mm²

S1_S 11 12

05111 BR 1.5 mm² — 05112 LB 1.5 mm²

H1_S x1 x2

SK1_S PE 00611 YG 2,5 mm² — PE

SERVICE SOCKET
230Vac 50Hz

INTERNAL LIGHT
230Vac 50Hz
TOTAL CONSUMPTION: 15W

NOTE:
INTERNAL LAMP IS DOUBLE INSULATION DEVICE.
NO EARTH CONNECTION REQUIRED.

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

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS

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

SCALE : 1

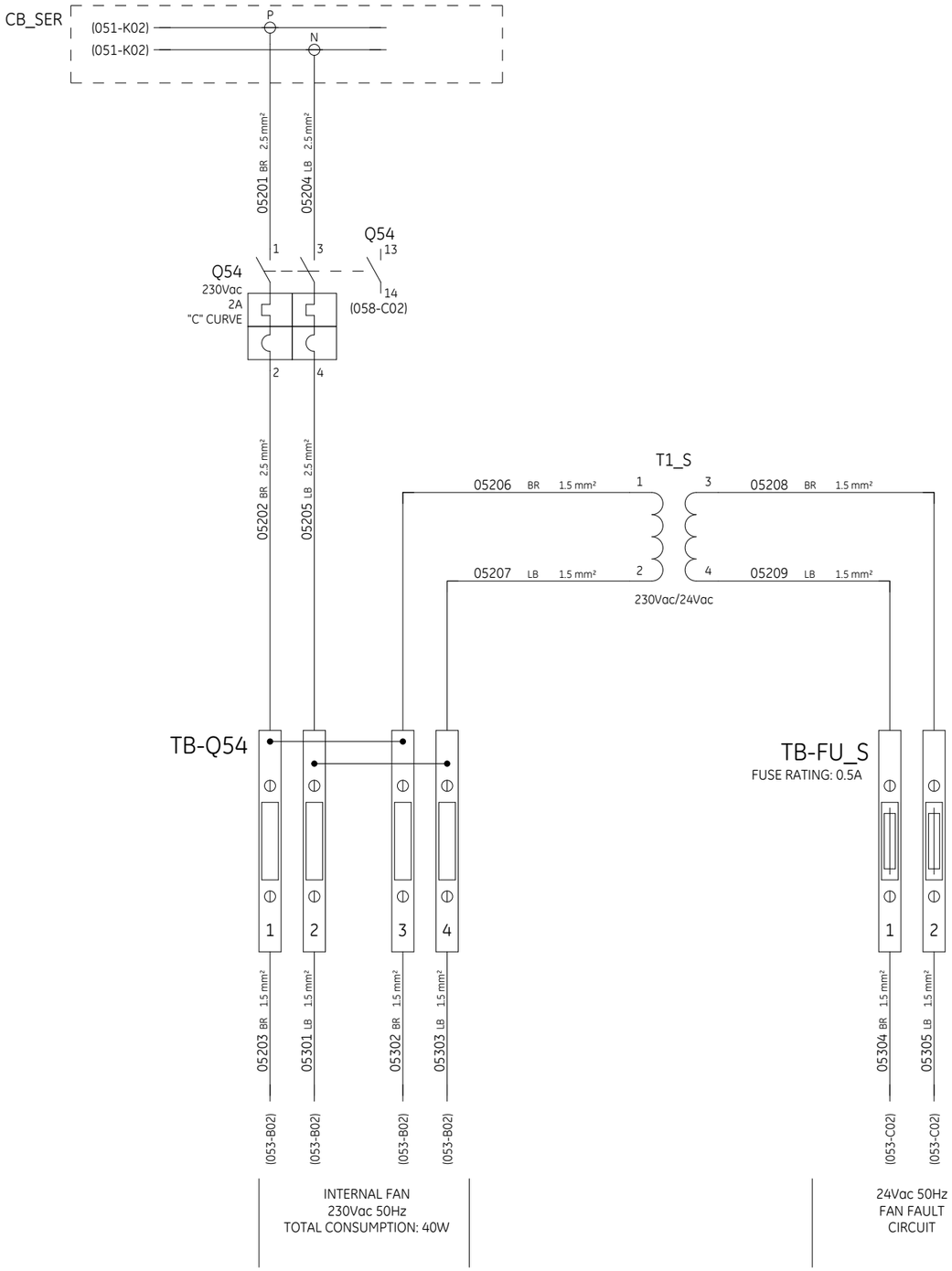
A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 051

REV. 2

SIS PANEL - POWER DISTRIBUTION FROM NON UPS



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS

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

SCALE : 1

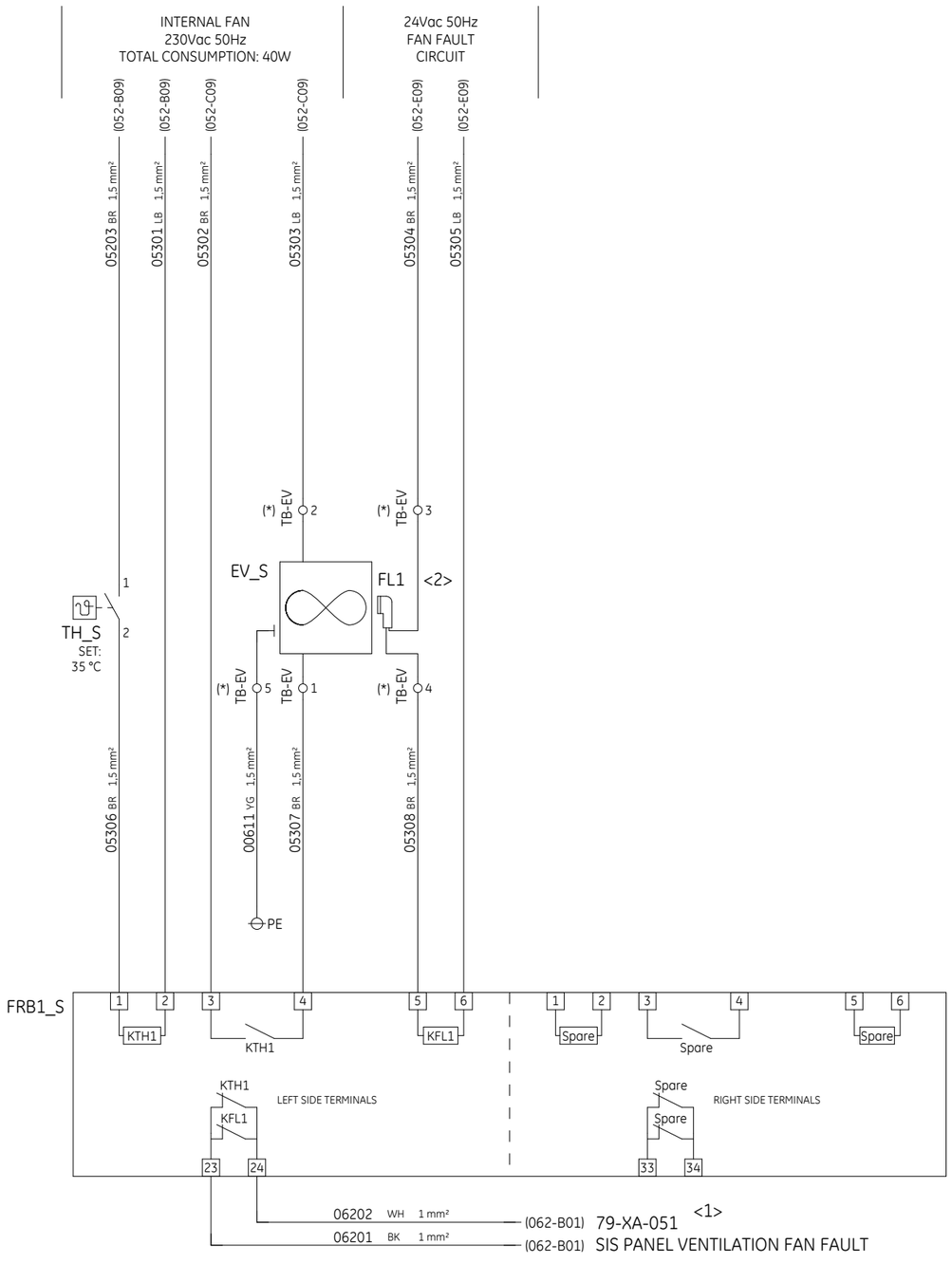
A3

DRAWING NO.
1724000594-IN-DG-00021

SHEET 052

REV. 2

SIS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN & HEATER



NOTE (*):
TB-EV IS A FEED THROUGH TERMINAL BOARD FOR
PRE-WIRED ITEMS CONNECTION. FOR THIS REASON,
WIRE NUMBERS WILL BE THE SAME ON BOTH SIDES.

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN

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

SCALE : 1

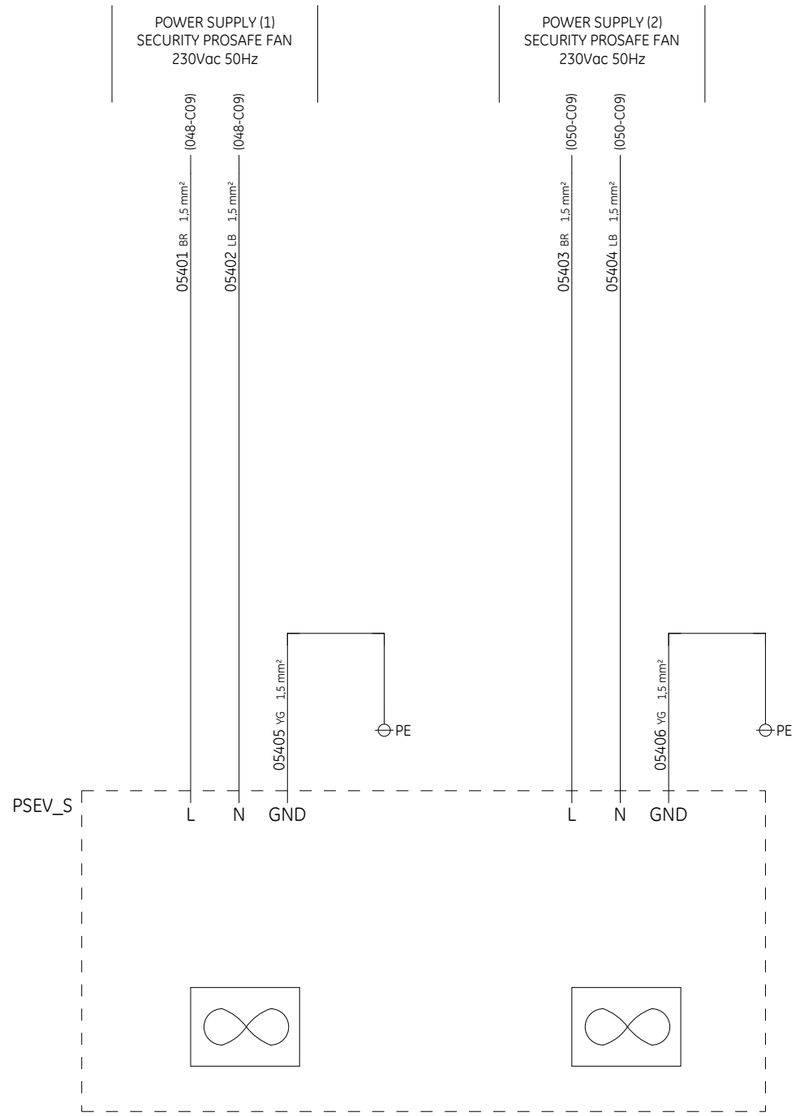
A3

DRAWING NO.
1724000594-IN-DG-00021

SHEET 053

REV. 2

SIS PANEL - 230Vac 50Hz POWER DISTRIBUTION SECURITY PROSAFE FAN



2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
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REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - 230Vac 50Hz POWER DISTRIBUTION SECURITY PROSAFE FAN

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 054

REV. 2

SHEET LEFT INTENTIONALLY BLANK

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

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 055

REV. 2

SIS PANEL - 230Vac/24Vdc POWER DISTRIBUTION

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#1

(047-D09)
05601 BR 2,5 mm²
05602 LB 2,5 mm²

G1_S
IN: 230Vac
OUT: 24Vdc
480W
20A
WEIDMULLER PRO ECO
code 1469510000

L(+) N(-) AC DC PE + + - - 13 14

06203 WH 1 mm² (062-B02)
05613 WH 1 mm²
00611 YG 2,5 mm² PE

79-XA-052
SIS PANEL POWER SUPPLY
24Vdc FAILURE <1>

05605 RD 4 mm²
05607 BU 4 mm²
05606 RD 4 mm²
05610 BU 4 mm²

VD1_S
20A
WEIDMULLER PRO DM 20
code 2486080000

IN1+ IN1- IN2+ IN2- OUT+ OUT-

<1>

05608 RD 6 mm²
05611 BU 6 mm²

<2> Q65
24Vdc
32A
"C" CURVE
1 3 2 4

Q65 13 14 (058-E05)

05609 RD 6 mm²
05612 BU 6 mm²

CB_24Vdc_S
(061-A01)
+ -

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#2

(049-D09)
05603 BR 2,5 mm²
05604 LB 2,5 mm²

G2_S
IN: 230Vac
OUT: 24Vdc
480W
20A
WEIDMULLER PRO ECO
code 1469510000

L(+) N(-) AC DC PE + + - - 13 14

05613 WH 1 mm²
06204 BK 1 mm² (062-B02)
00611 YG 2,5 mm² PE

79-XA-052
SIS PANEL POWER SUPPLY
24Vdc FAILURE <1>

05614 RD 4 mm²
05616 BU 4 mm²
05615 RD 4 mm²
05619 BU 4 mm²

VD2_S
20A
WEIDMULLER PRO DM 20
code 2486080000

IN1+ IN1- IN2+ IN1- OUT+ OUT-

<1>

05617 RD 6 mm²
05620 BU 6 mm²

<2> Q66
24Vdc
32A
"C" CURVE
1 3 2 4

Q66 13 14 (058-D05)

05618 RD 6 mm²
05621 BU 6 mm²

(061-A01)
(061-A01)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - 230Vac / 24Vdc POWER DISTRIBUTION

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 056

REV. 2

SHEET LEFT INTENTIONALLY BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

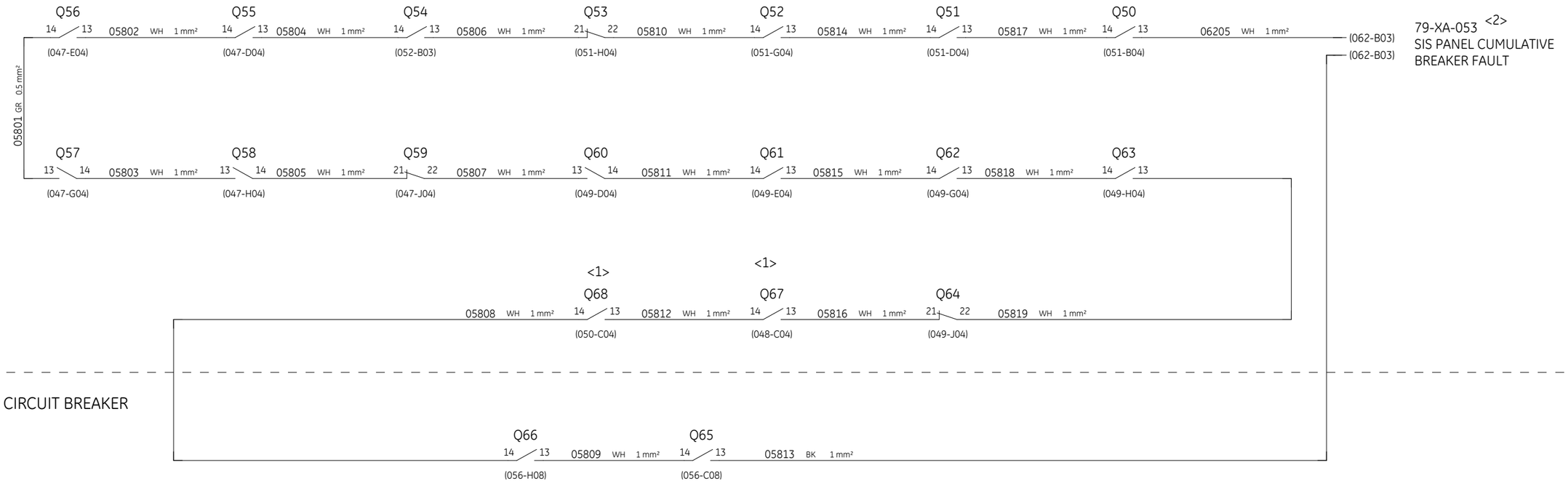
DRAWING NO. 1724000594-IN-DG-00021

SHEET 057

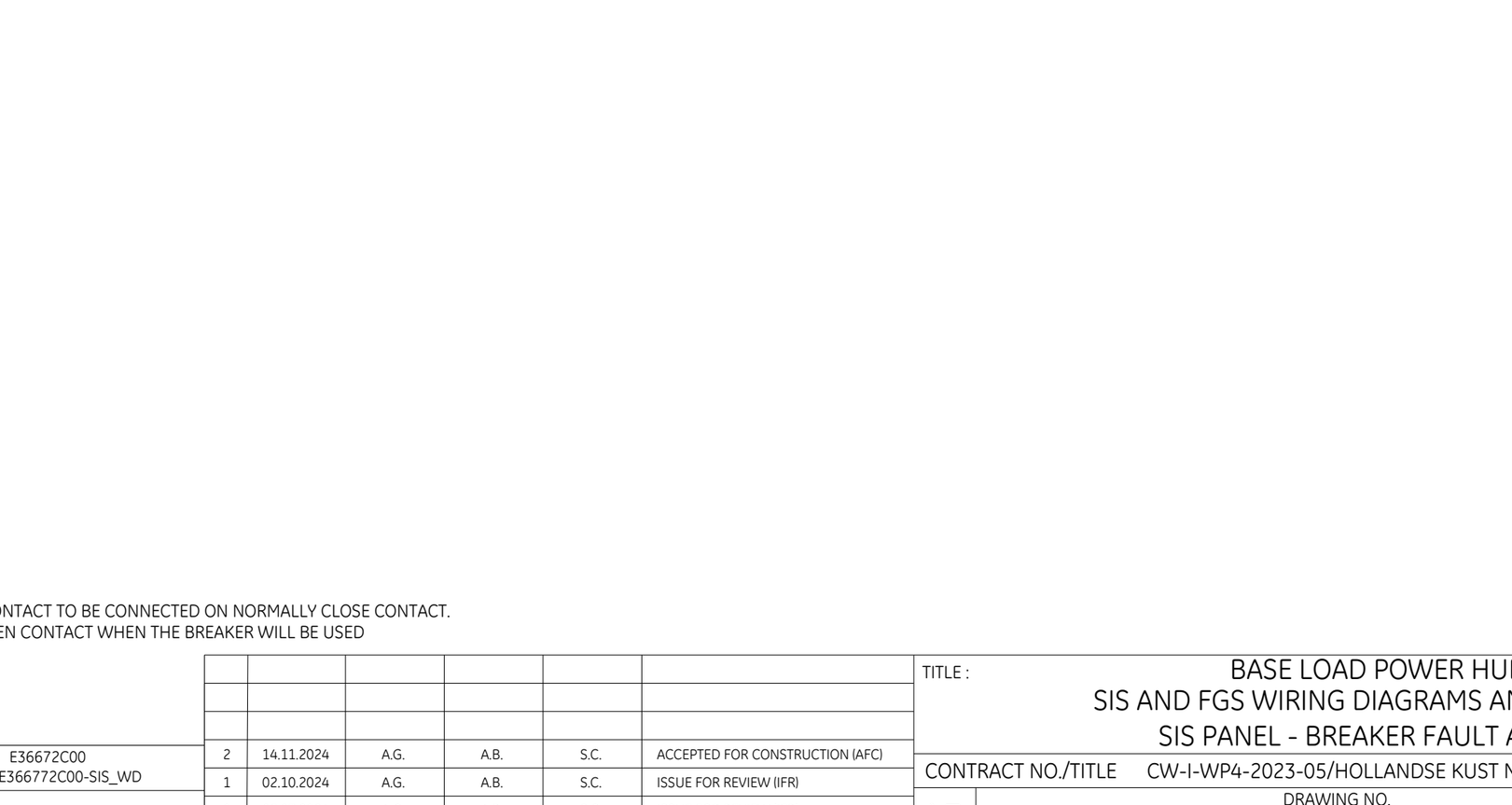
REV. 2

SIS PANEL - BRAKER FAULT ALARM CIRCUIT

230Vac CIRCUIT BREAKER



24Vdc CIRCUIT BREAKER



NOTE : SPARE CIRCUIT BREAKER FAULT CONTACT TO BE CONNECTED ON NORMALLY CLOSE CONTACT.
CHANGE CONNECTION TO NORMALLY OPEN CONTACT WHEN THE BREAKER WILL BE USED

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - BREAKER FAULT ALARM CIRCUIT

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

SCALE : 1

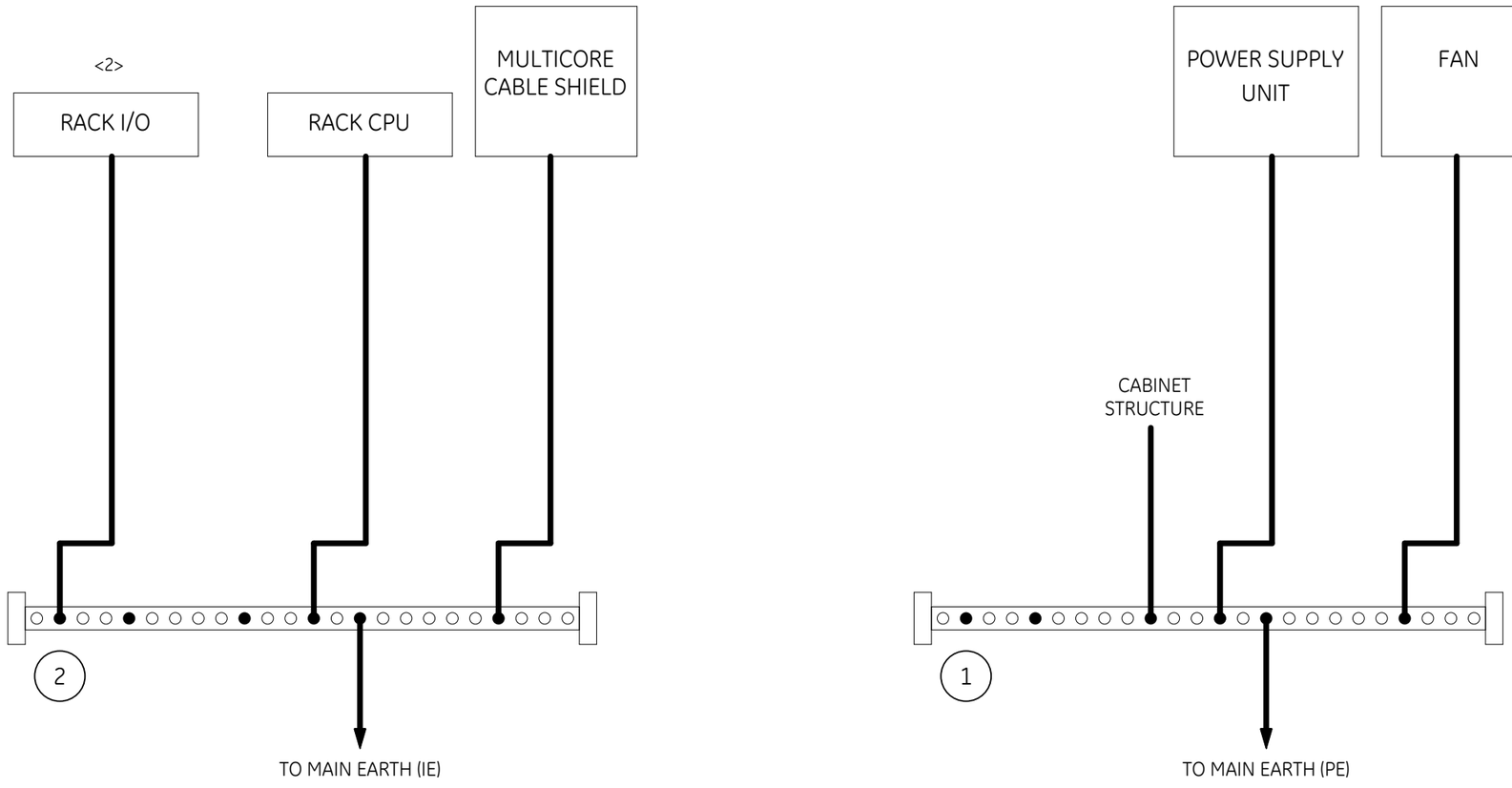
A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 058

REV. 2

POS.	EARTH TYPE	DESCRIPTION SYSTEM EARTH
1	P.E. EARTH	PROTECTION EARTH (GROUND, FRAME CHASSIS)
2	I.E. EARTH	INSTRUMENTAL EARTH



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - SHIELD / GROUND CONNECTION

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

SCALE : 1

A3

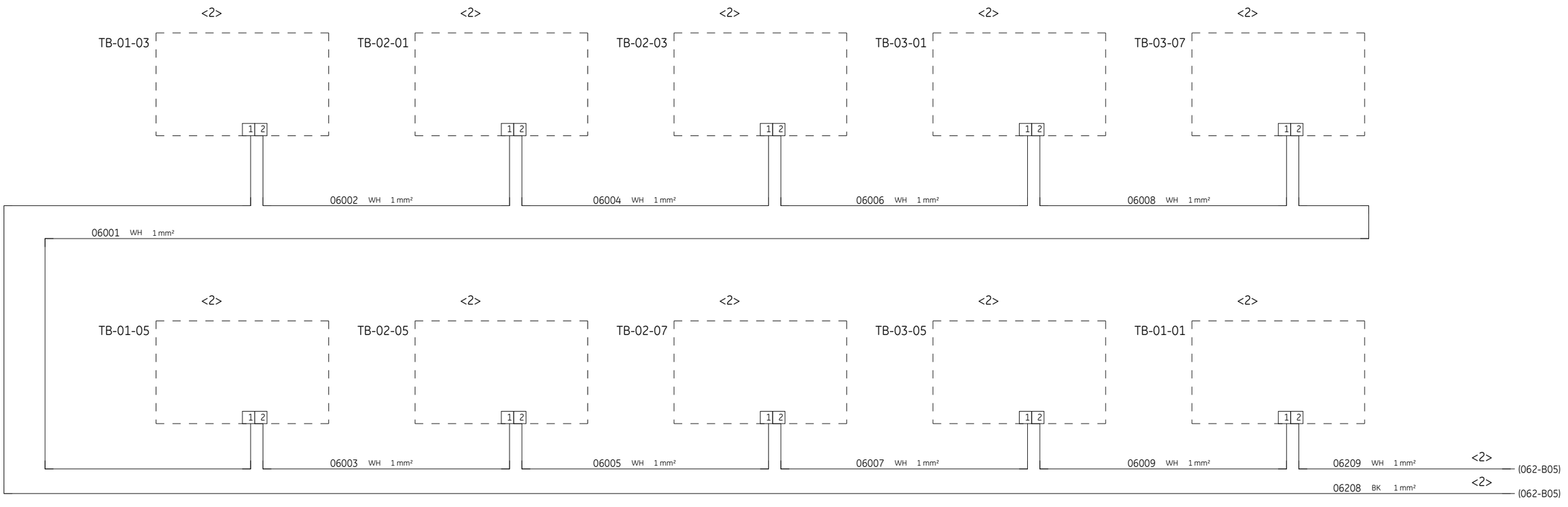
DRAWING NO.
1724000594-IN-DG-00021

SHEET 059

REV. 2

A B C D E F G H J K

SIS PANEL - TB FAULT SIGNALS



01 02 03 04 05 06 07 08 09 10

2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - TB FAULT SIGNALS

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

SCALE : 1

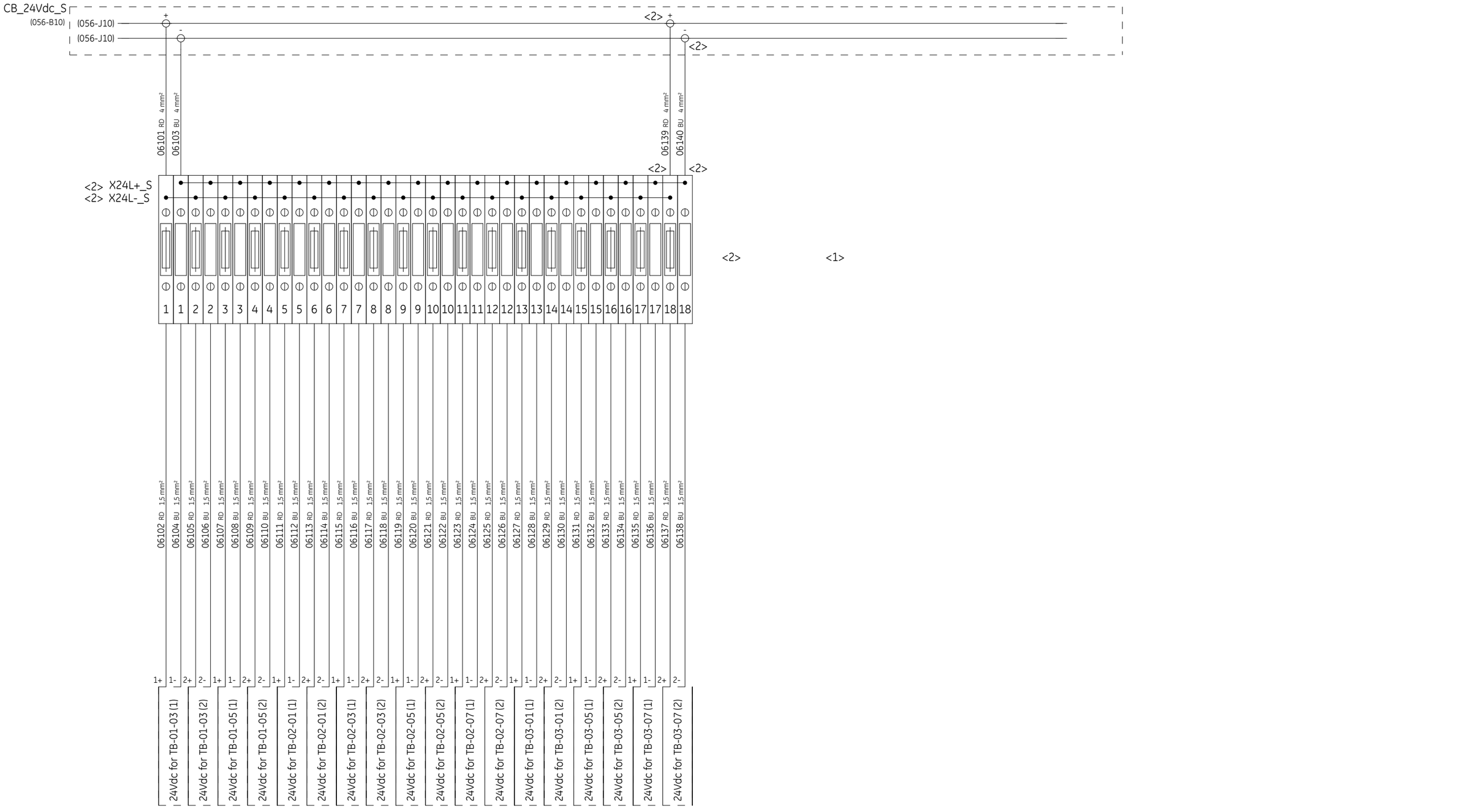
A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 060

REV. 2

SIS PANEL - 24Vdc POWER DISTRIBUTION



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
24Vdc POWER DISTRIBUTION

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 061

REV. 2

SIS PANEL - FAULT ALARM SIGNALS TO DCS

79-XA-051	(053-C10)		06202	WH	1 mm²	01A	IN 01	SLOT 7	NODE 3	79-XA-051	
-	(053-C10)		06201	BK	1 mm²	01B	IN 01	SLOT 7	NODE 3	-	<1>
						01C	IN 01	SLOT 7	NODE 3		
79-XA-052	(056-C04)		06203	WH	1 mm²	02A	IN 02	SLOT 7	NODE 3	79-XA-052	
-	(056-J04)		06204	BK	1 mm²	02B	IN 02	SLOT 7	NODE 3	-	
						02C	IN 02	SLOT 7	NODE 3		<1>
79-XA-053	(058-J02)		06205	WH	1 mm²	03A	IN 03	SLOT 7	NODE 3	79-XA-053	
-	(058-J02)		05813	BK	1 mm²	03B	IN 03	SLOT 7	NODE 3	-	
						03C	IN 03	SLOT 7	NODE 3		<1>
	<1>										
79-XA-054	1		06206	WH	1 mm²	04A	IN 04	SLOT 7	NODE 3	79-XA-054	
-	THH_S		06207	BK	1 mm²	04B	IN 04	SLOT 7	NODE 3	-	
	SET: 40 °C	2				04C	IN 04	SLOT 7	NODE 3		<1>
<2> 79-XA-055	(060-K06)	<2>	<2>	06209	WH 1 mm²	<2>	05A	IN 05	SLOT 7	NODE 3	79-XA-055	<2>
<2> -	(060-K06)	<2>	<2>	06208	BK 1 mm²	<2>	05B	IN 05	SLOT 7	NODE 3	-	
						<2>	05C	IN 05	SLOT 7	NODE 3		
	13		<2>			<2>						
SIS001-UA-05			<2>	07533	WH 1 mm²	<2>	14A	IN 14	SLOT 3	NODE 1	SIS001-UA-05	
<2> -	AT_01_S		<2>	07534	BK 1 mm²	<2>	14B	IN 14	SLOT 3	NODE 1	-	<2>
	14						14C	IN 14	SLOT 3	NODE 1		
	<2>											

	CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
<2>	79-XA-051	SIS PANEL VENTILATION FAN FAULT
<2>	79-XA-052	SIS PANEL POWER SUPPLY & DIODES FAILURE
<2>	79-XA-053	SIS PANEL CUMULATIVE BREAKER FAULT
<2>	79-XA-054	SIS PANEL HIGH TEMPERATURE ALARM
<2>	79-XA-055	SIS PANEL DIGITAL / ANALOG TB CUMULATIVE FAULT

CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
SIS001-UA-05	SIS PANEL KEY SELECTOR
-	-
-	-
-	-

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - FAULT ALARM SIGNALS TO DCS

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

SCALE : 1

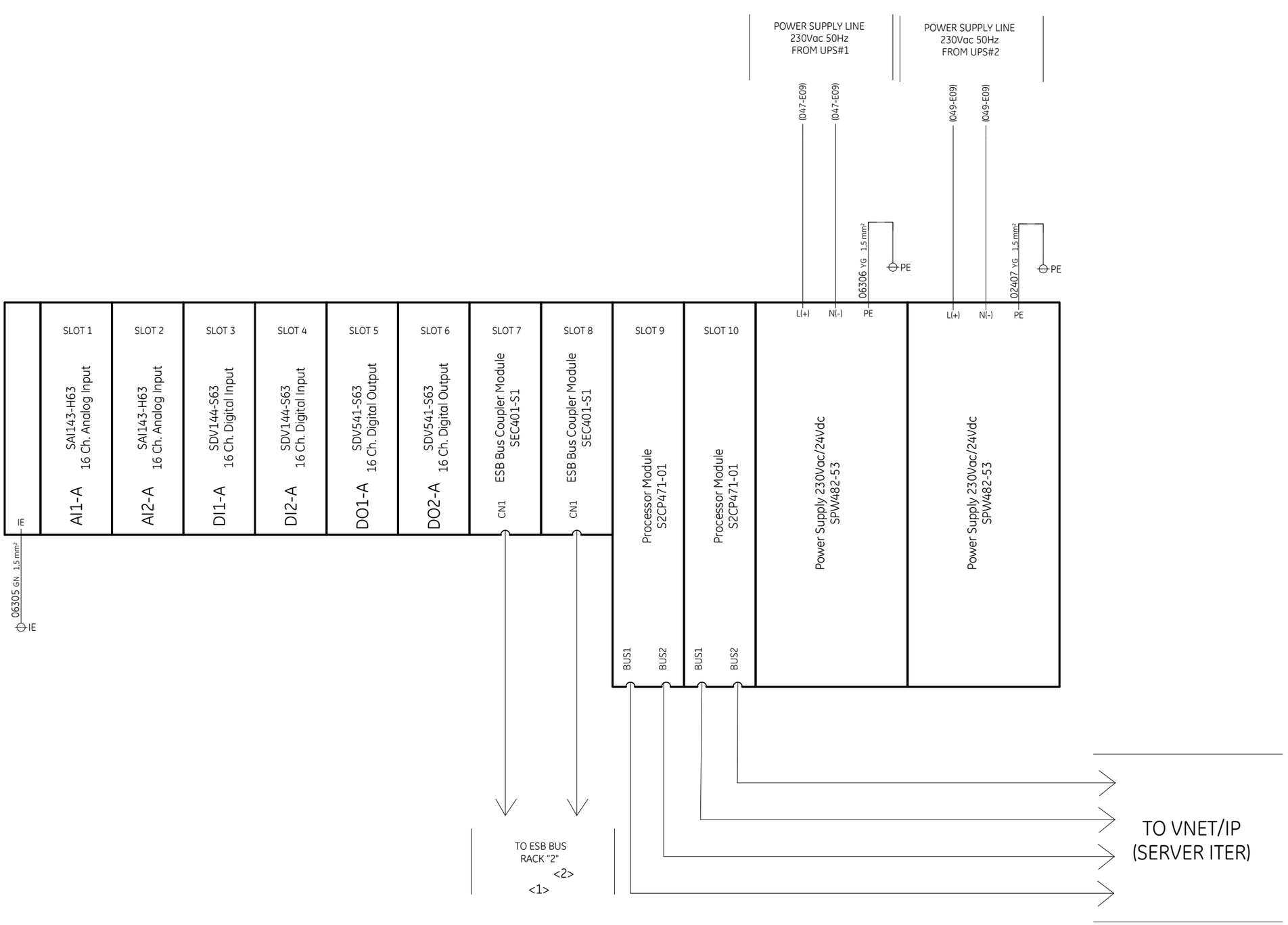
A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 062

REV. 2

SIS PANEL - RACK "1" POWER DISTRIBUTION <2>



REFER TO DOC. N. 1724000594-IN-DG-00016
"NETWORK CONNECTION DIAGRAM" <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - RACK "1" POWER DISTRIBUTION

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

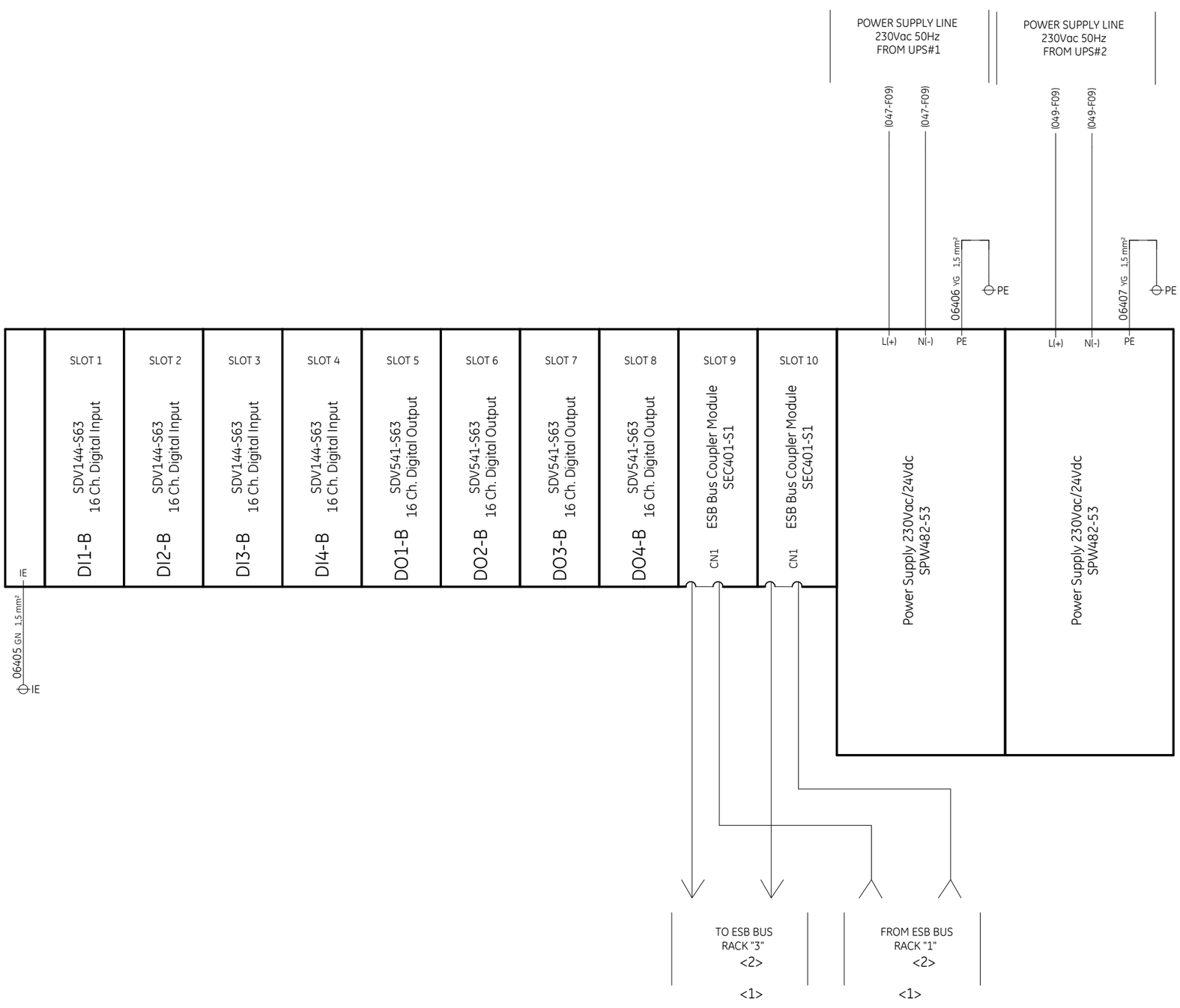
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 063

REV. 2



REFER TO DOC. N. 1724000594-IN-DG-00016
"NETWORK CONNECTION DIAGRAM" <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - RACK "2" POWER DISTRIBUTION

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

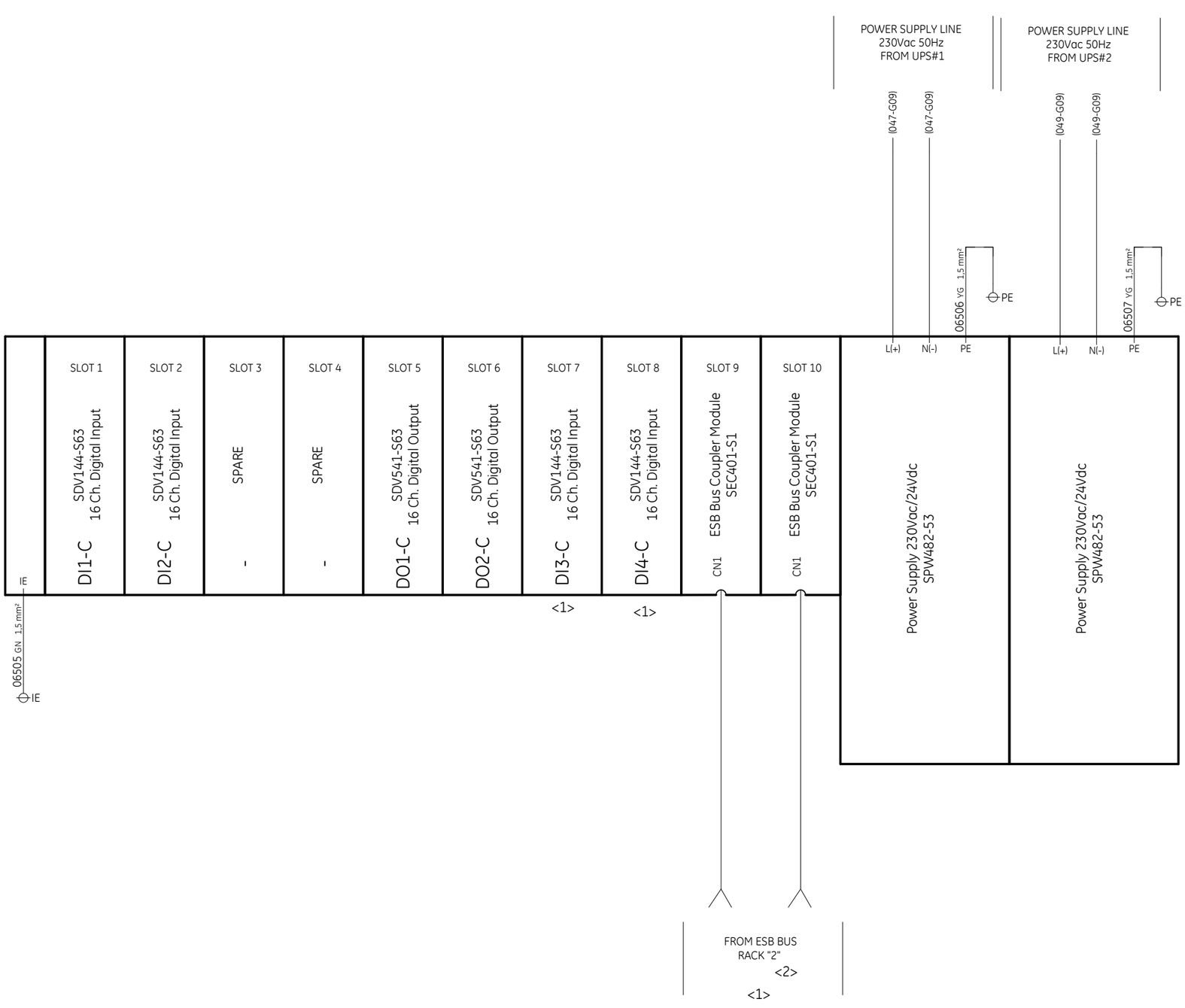
SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 064

REV. 2



REFER TO DOC. N. 1724000594-IN-DG-00016
"NETWORK CONNECTION DIAGRAM" <2>

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - RACK "3" POWER DISTRIBUTION

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

SCALE : 1

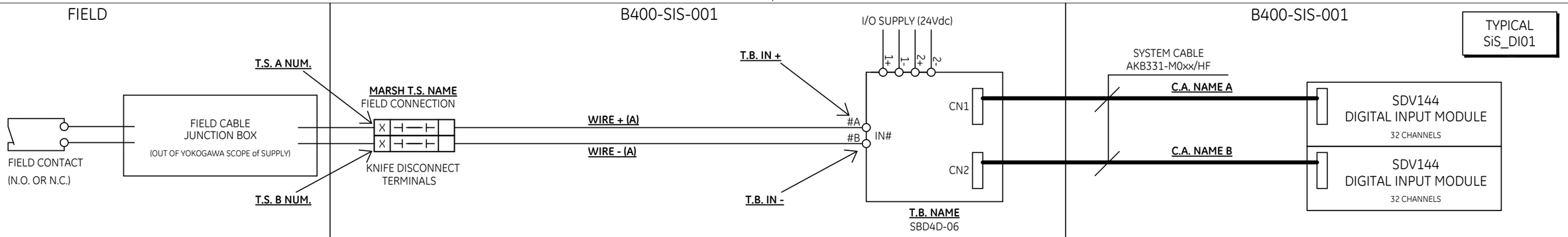
A3

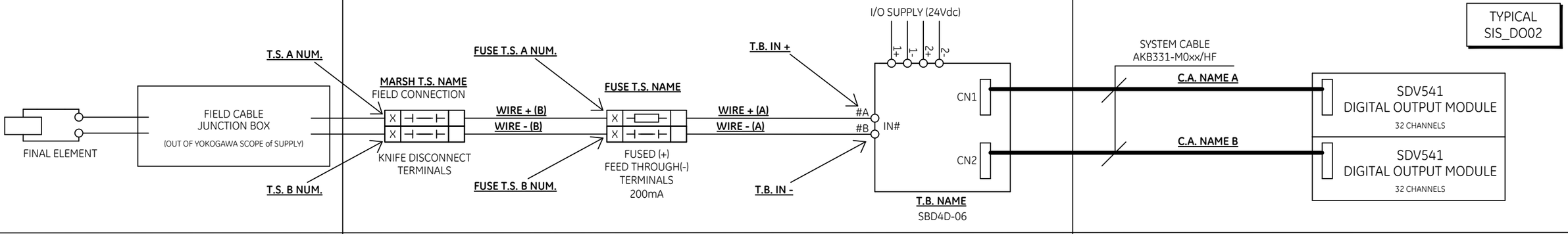
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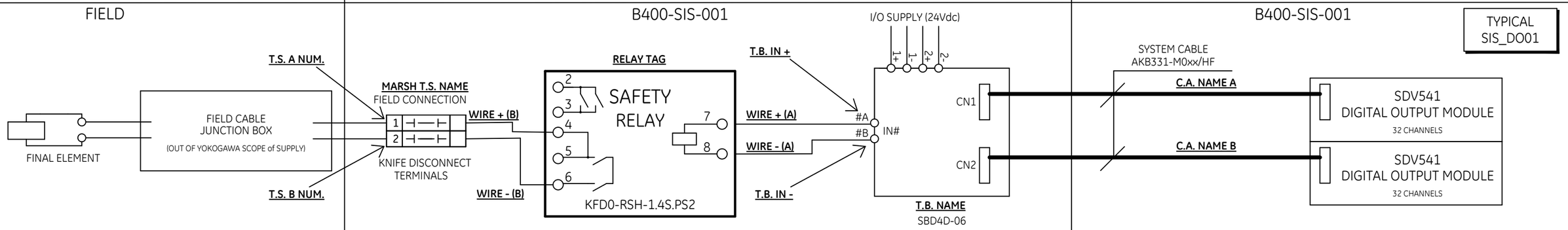
SHEET 065

REV. 2

SIS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT







REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT

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

SCALE : 1

A3

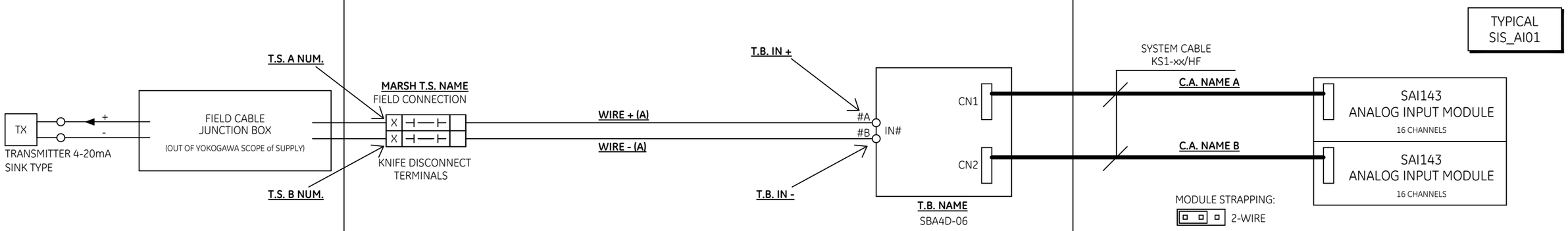
DRAWING NO. 1724000594-IN-DG-00021

SHEET 066

REV. 2

SIS PANEL - TYPICAL WIRING ANALOG INPUT

FIELD	B400-SIS-001	B400-SIS-001



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - TYPICAL WIRING ANALOG INPUT

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 067

REV. 2

SHEET LEFT INTENTIONALLY BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 068

REV. 2

SIS PANEL - TB-00-JE-23001 + TB-00-JE-23002 + TB-UP-200F3

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM.	WIRE + (A)	WIRE - (A)	WIRE + (B)	WIRE - (B)	WIRE SECTION (A+B)	WIRE COLOUR + (A+B)	WIRE COLOUR - (A+B)	FUSE T.S. NAME	FUSE T.S. A NUM	FUSE T.S. B NUM	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	RELAY	TYPICAL
	25-BDY-005	DO	TB-00-JE-23001	1	2	06901	06902	06903	06904	1mm²	BK	WH	TS-01-05	1	2	TB-01-05	05A	05B	01	05	05	CA_01_05	CA_01_06	-	ESD_DO2
	25-BDY-007	DO	TB-00-JE-23001	3	4	06905	06906	06907	06908	1mm²	BK	WH	TS-01-05	3	4	TB-01-05	06A	06B	01	05	06	CA_01_05	CA_01_06	-	ESD_DO2
	25-BDY-010	DO	TB-00-JE-23001	5	6	06909	06910	06911	06912	1mm²	BK	WH	TS-01-05	5	6	TB-01-05	07A	07B	01	05	07	CA_01_05	CA_01_06	-	ESD_DO2
	25-BDY-013	DO	TB-00-JE-23001	7	8	06913	06914	06915	06916	1mm²	BK	WH	TS-01-05	7	8	TB-01-05	08A	08B	01	05	08	CA_01_05	CA_01_06	-	ESD_DO2
	25-BDY-016	DO	TB-00-JE-23001	9	10	06917	06918	06919	06920	1mm²	BK	WH	TS-01-05	9	10	TB-01-05	09A	09B	01	05	09	CA_01_05	CA_01_06	-	ESD_DO2
	25-BDY-019	DO	TB-00-JE-23001	11	12	06921	06922	06923	06924	1mm²	BK	WH	TS-01-05	11	12	TB-01-05	10A	10B	01	05	10	CA_01_05	CA_01_06	-	ESD_DO2
<2>	SPARE	DO	TB-00-JE-23001	13	14																				
<2>	SPARE	DO	TB-00-JE-23001	15	16																				
<2>	SPARE	DO	TB-00-JE-23001	17	18																				
<2>	SPARE	DO	TB-00-JE-23001	19	20																				
<2>	SPARE	DO	TB-00-JE-23001	21	22																				
<2>	SPARE	DO	TB-00-JE-23001	23	24																				
	25-SDY-001	DO	TB-00-JE-23002	1	2	06925	06926	06927	06928	1mm²	BK	WH	TS-01-05	13	14	TB-01-05	12A	12B	01	05	12	CA_01_05	CA_01_06	-	ESD_DO2
	WS0110010513	DO	TB-00-JE-23002	3	4	06929	06930	06931	06932	1mm²	BK	WH	TS-01-05	15	16	TB-01-05	13A	13B	01	05	13	CA_01_05	CA_01_06	-	ESD_DO2
	25-BDY-022	DO	TB-00-JE-23002	5	6	06933	06934	06935	06936	1mm²	BK	WH	TS-01-05	17	18	TB-01-05	11A	11B	01	05	11	CA_01_05	CA_01_06	-	ESD_DO2
	25-SDY-023	DO	TB-00-JE-23002	7	8	06937	06938	06939	06940	1mm²	BK	WH	TS-02-05	1	2	TB-02-05	04A	04B	02	05	04	CA_02_05	CA_02_06	-	ESD_DO2
	64-SDY-001	DO	TB-00-JE-23002	9	10	06941	06942	06943	06944	1mm²	BK	WH	TS-02-05	3	4	TB-02-05	09A	09B	02	05	09	CA_02_05	CA_02_06	-	ESD_DO2
	WS0110010514	DO	TB-00-JE-23002	11	12	06945	06946	06947	06948	1mm²	BK	WH	TS-01-05	19	20	TB-01-05	14A	14B	01	05	14	CA_01_05	CA_01_06	-	ESD_DO2
	84-XS-001	DO	TB-UP-200F3	1	2	06949	06950	06951	06952	1mm²	BK	WH	TS-02-07	1	2	TB-02-07	12A	12B	02	07	12	CA_02_07	CA_02_08	-	ESD_DO2
	84-XS-002	DO	TB-UP-200F3	3	4	06953	06954	06955	06956	1mm²	BK	WH	TS-03-05	1	2	TB-03-05	01A	01B	03	05	01	CA_03_05	CA_03_06	-	ESD_DO2
	84-XS-003	DO	TB-UP-200F3	5	6	06957	06958	06959	06960	1mm²	BK	WH	TS-03-05	3	4	TB-03-05	02A	02B	03	05	02	CA_03_05	CA_03_06	-	ESD_DO2
	84-XS-004	DO	TB-UP-200F3	7	8	06961	06962	06963	06964	1mm²	BK	WH	TS-03-05	5	6	TB-03-05	03A	03B	03	05	03	CA_03_05	CA_03_06	-	ESD_DO2
	84-XS-005	DO	TB-UP-200F3	9	10	06965	06966	06967	06968	1mm²	BK	WH	TS-03-05	7	8	TB-03-05	04A	04B	03	05	04	CA_03_05	CA_03_06	-	ESD_DO2
	84-XS-010	DO	TB-UP-200F3	11	12	06969	06970	06971	06972	1mm²	BK	WH	TS-03-05	9	10	TB-03-05	07A	07B	03	05	07	CA_03_05	CA_03_06	-	ESD_DO2

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - DIGITAL OUTPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DG-00021

SHEET 069

REV. 2

SIS PANEL - TB-XS-000

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM.	WIRE + (A)	WIRE - (A)	WIRE + (B)	WIRE - (B)	WIRE SECTION (A+B)	WIRE COLOUR + (A+B)	WIRE COLOUR - (A+B)	FUSE T.S. NAME	FUSE T.S. A NUM	FUSE T.S. B NUM	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	RELAY	TYPICAL
83-XS-001A	DO	TB-XS-000	1	2	07001	07002	07003	07004	1mm²	BK	WH	TS-01-05	21	22	TB-01-05	01A	01B	01	05	01	CA_01_05	CA_01_06	-	ESD_DO2
84-XS-007A	DO	TB-XS-000	3	4	07005	07006	07007	07008	1mm²	BK	WH	TS-01-05	23	24	TB-01-05	02A	02B	01	05	02	CA_01_05	CA_01_06	-	ESD_DO2
84-XS-008A	DO	TB-XS-000	5	6	07009	07010	07011	07012	1mm²	BK	WH	TS-01-05	25	26	TB-01-05	03A	03B	01	05	03	CA_01_05	CA_01_06	-	ESD_DO2
20-XS-001	DO	TB-XS-000	7	8	07013	07014	07015	07016	1mm²	BK	WH	TS-01-05	27	28	TB-01-05	04A	04B	01	05	04	CA_01_05	CA_01_06	-	ESD_DO2
83-XS-001B	DO	TB-XS-000	9	10	07017	07018	07019	07020	1mm²	BK	WH	TS-02-05	5	6	TB-02-05	01A	01B	02	05	01	CA_02_05	CA_02_06	-	ESD_DO2
84-XS-007B	DO	TB-XS-000	11	12	07021	07022	07023	07024	1mm²	BK	WH	TS-02-05	7	8	TB-02-05	02A	02B	02	05	02	CA_02_05	CA_02_06	-	ESD_DO2
84-XS-008B	DO	TB-XS-000	13	14	07025	07026	07027	07028	1mm²	BK	WH	TS-02-05	9	10	TB-02-05	03A	03B	02	05	03	CA_02_05	CA_02_06	-	ESD_DO2
50-XS-001	DO	TB-XS-000	15	16	07029	07030	07031	07032	1mm²	BK	WH	TS-02-05	11	12	TB-02-05	05A	05B	02	05	05	CA_02_05	CA_02_06	-	ESD_DO2
63-XS-001	DO	TB-XS-000	17	18	07033	07034	07035	07036	1mm²	BK	WH	TS-02-05	13	14	TB-02-05	08A	08B	02	05	08	CA_02_05	CA_02_06	-	ESD_DO2
64-XS-001	DO	TB-XS-000	19	20	07037	07038	07039	07040	1mm²	BK	WH	TS-02-05	15	16	TB-02-05	10A	10B	02	05	10	CA_02_05	CA_02_06	-	ESD_DO2
77-XS-001	DO	TB-XS-000	21	22	07041	07042	07043	07044	1mm²	BK	WH	TS-02-05	17	18	TB-02-05	11A	11B	02	05	11	CA_02_05	CA_02_06	-	ESD_DO2
77-XS-002	DO	TB-XS-000	23	24	07045	07046	07047	07048	1mm²	BK	WH	TS-02-05	19	20	TB-02-05	12A	12B	02	05	12	CA_02_05	CA_02_06	-	ESD_DO2
77-XS-003	DO	TB-XS-000	25	26	07049	07050	07051	07052	1mm²	BK	WH	TS-02-07	3	4	TB-02-07	01A	01B	02	07	01	CA_02_07	CA_02_08	-	ESD_DO2
77-XS-004	DO	TB-XS-000	27	28	07053	07054	07055	07056	1mm²	BK	WH	TS-02-07	5	6	TB-02-07	02A	02B	02	07	02	CA_02_07	CA_02_08	-	ESD_DO2
80-XS-001	DO	TB-XS-000	29	30	07057	07058	07059	07060	1mm²	BK	WH	TS-02-07	7	8	TB-02-07	07A	07B	02	07	07	CA_02_07	CA_02_08	-	ESD_DO2
81-XS-001	DO	TB-XS-000	31	32	07061	07062	07063	07064	1mm²	BK	WH	TS-02-07	9	10	TB-02-07	08A	08B	02	07	08	CA_02_07	CA_02_08	-	ESD_DO2
82-XS-001	DO	TB-XS-000	33	34	07065	07066	07067	07068	1mm²	BK	WH	TS-02-07	11	12	TB-02-07	09A	09B	02	07	09	CA_02_07	CA_02_08	-	ESD_DO2
82-XS-002	DO	TB-XS-000	35	36	07069	07070	07071	07072	1mm²	BK	WH	TS-02-07	13	14	TB-02-07	10A	10B	02	07	10	CA_02_07	CA_02_08	-	ESD_DO2
82-XS-003	DO	TB-XS-000	37	38	07073	07074	07075	07076	1mm²	BK	WH	TS-02-07	15	16	TB-02-07	11A	11B	02	07	11	CA_02_07	CA_02_08	-	ESD_DO2

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - DIGITAL OUTPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 070

REV. 2

<2> SIS PANEL - DIGITAL SIGNALS

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S.A NUM.	WIRE + (A)	WIRE - (A)	WIRE + (B)	WIRE - (B)	WIRE SECTION (A+B)	WIRE COLOUR + (A+B)	WIRE COLOUR - (A+B)	FUSE T.S. NAME	FUSE T.S. A NUM	FUSE T.S. B NUM	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	RELAY	TYPICAL
	84-XS-006	DO	TB-XS-000	39	40	07101	07102	07103	07104	1mm²	BK	WH	TS-03-05	11	12	TB-03-05	05A	05B	03	05	05	CA_03_05	CA_03_06	-	ESD_DO2
	84-XS-009	DO	TB-XS-000	41	42	07105	07106	07107	07108	1mm²	BK	WH	TS-03-05	13	14	TB-03-05	06A	06B	03	05	06	CA_03_05	CA_03_06	-	ESD_DO2
	84-XS-011	DO	TB-XS-000	43	44	07109	07110	07111	07112	1mm²	BK	WH	TS-03-05	15	16	TB-03-05	08A	08B	03	05	08	CA_03_05	CA_03_06	-	ESD_DO2
	85-XS-001	DO	TB-XS-000	45	46	07113	07114	07115	07116	1mm²	BK	WH	TS-03-05	17	18	TB-03-05	09A	09B	03	05	09	CA_03_05	CA_03_06	-	ESD_DO2
<2>	79-XS-010	DO	TB-XS-000	47	48	07117	07118	07119	07120	1mm²	BK	WH	TS-03-05	19	20	TB-03-05	10A	10B	03	05	10	CA_03_05	CA_03_06	-	ESD_DO2
	WS0110030511	DO	TB-XS-000	49	50	07121	07122	07123	07124	1mm²	BK	WH	TS-03-05	21	22	TB-03-05	11A	11B	03	05	11	CA_03_05	CA_03_06	-	ESD_DO2
<2>	WS0110020513	DO	TB-XS-000	51	52	07125	07126	07127	07128	1mm²	BK	WH	-	-	-	TB-02-05	13A	13B	02	05	13	CA_02_05	CA_02_06	KA1	ESD_DO1
<2>	WS0110020514	DO	TB-XS-000	53	54	07129	07130	07131	07132	1mm²	BK	WH	-	-	-	TB-02-05	14A	14B	02	05	14	CA_02_05	CA_02_06	KA2	ESD_DO1
<2>	SPARE	DO	TB-XS-000	55	56																				
<2>	SPARE	DO	TB-XS-000	57	58																				

01 02 03 04 05 06 07 08 09 10

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - DIGITAL OUTPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 071

REV. 2

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REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 072

REV. 2

<2> SIS PANEL - TB-00-JE-22001

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM.	WIRE + (A)	WIRE - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-005	DI	TB-00-JE-22001	1	2	07301	07302	1mm²	BK	WH	TB-01-03	01A	01B	01	03	01	CA_01_03	CA_01_04	SIS_DI01
25-ZSH-005	DI	TB-00-JE-22001	3	4	07303	07304	1mm²	BK	WH	TB-01-03	02A	02B	01	03	02	CA_01_03	CA_01_04	SIS_DI01
25-ZSL-007	DI	TB-00-JE-22001	5	6	07305	07306	1mm²	BK	WH	TB-01-03	03A	03B	01	03	03	CA_01_03	CA_01_04	SIS_DI01
25-ZSH-007	DI	TB-00-JE-22001	7	8	07307	07308	1mm²	BK	WH	TB-01-03	04A	04B	01	03	04	CA_01_03	CA_01_04	SIS_DI01
25-ZSL-010	DI	TB-00-JE-22001	9	10	07309	07310	1mm²	BK	WH	TB-01-03	05A	05B	01	03	05	CA_01_03	CA_01_04	SIS_DI01
25-ZSH-010	DI	TB-00-JE-22001	11	12	07311	07312	1mm²	BK	WH	TB-01-03	06A	06B	01	03	06	CA_01_03	CA_01_04	SIS_DI01
25-ZSL-013	DI	TB-00-JE-22001	13	14	07313	07314	1mm²	BK	WH	TB-01-03	07A	07B	01	03	07	CA_01_03	CA_01_04	SIS_DI01
25-ZSH-013	DI	TB-00-JE-22001	15	16	07315	07316	1mm²	BK	WH	TB-01-03	08A	08B	01	03	08	CA_01_03	CA_01_04	SIS_DI01
25-ZSL-016	DI	TB-00-JE-22001	17	18	07317	07318	1mm²	BK	WH	TB-01-03	09A	09B	01	03	09	CA_01_03	CA_01_04	SIS_DI01
25-ZSH-016	DI	TB-00-JE-22001	19	20	07319	07320	1mm²	BK	WH	TB-01-03	10A	10B	01	03	10	CA_01_03	CA_01_04	SIS_DI01
WS0110010315	DI	TB-00-JE-22001	21	22	07327	07328	1mm²	BK	WH	TB-01-03	15A	15B	01	03	15	CA_01_03	CA_01_04	SIS_DI01
WS0110010316	DI	TB-00-JE-22001	23	24	07329	07330	1mm²	BK	WH	TB-01-03	16A	16B	01	03	16	CA_01_03	CA_01_04	SIS_DI01
25-ZSL-019	DI	TB-00-JE-22001	25	26	07321	07322	1mm²	BK	WH	TB-01-03	11A	11B	01	03	11	CA_01_03	CA_01_04	SIS_DI01
25-ZSH-019	DI	TB-00-JE-22001	27	28	07323	07324	1mm²	BK	WH	TB-01-03	12A	12B	01	03	12	CA_01_03	CA_01_04	SIS_DI01
950-ASD-01101	DI	TB-00-JE-22001	29	30	07325	07326	1mm²	BK	WH	TB-01-03	13A	13B	01	03	13	CA_01_03	CA_01_04	SIS_DI01
950-MOB-01101	DI	TB-00-JE-22001	31	32	07331	07332	1mm²	BK	WH	TB-02-01	01A	01B	02	01	01	CA_02_01	CA_02_02	SIS_DI01
950-ESD-01101	DI	TB-00-JE-22001	33	34	07333	07334	1mm²	BK	WH	TB-02-01	02A	02B	02	01	02	CA_02_01	CA_02_02	SIS_DI01
950-ESDD-01101	DI	TB-00-JE-22001	35	36	07335	07336	1mm²	BK	WH	TB-02-01	03A	03B	02	01	03	CA_02_01	CA_02_02	SIS_DI01
950-ASD-04101	DI	TB-00-JE-22001	37	38	07337	07338	1mm²	BK	WH	TB-02-01	04A	04B	02	01	04	CA_02_01	CA_02_02	SIS_DI01
950-MOB-04101	DI	TB-00-JE-22001	39	40	07339	07340	1mm²	BK	WH	TB-02-01	05A	05B	02	01	05	CA_02_01	CA_02_02	SIS_DI01
950-ESD-04101	DI	TB-00-JE-22001	41	42	07341	07342	1mm²	BK	WH	TB-02-01	06A	06B	02	01	06	CA_02_01	CA_02_02	SIS_DI01
950-ESDD-04101	DI	TB-00-JE-22001	43	44	07343	07344	1mm²	BK	WH	TB-02-01	07A	07B	02	01	07	CA_02_01	CA_02_02	SIS_DI01
WS0110020316	DI	TB-00-JE-22001	45	46	07345	07346	1mm²	BK	WH	TB-02-03	16A	16B	02	03	16	CA_02_03	CA_02_04	SIS_DI01
<2> SPARE	DI	TB-00-JE-22001	47	48														
			<2>	<2>														

01 02 03 04 05 06 07 08 09 10

2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - DIGITAL INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 073

REV. 2

<2> SIS PANEL - TB-00-JE-22002

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM.	WIRE + (A)	WIRE - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-001	DI	TB-00-JE-22002	1	2	07401	07402	1mm²	BK	WH	TB-02-01	08A	08B	02	01	08	CA_02_01	CA_02_02	SIS_DI01
25-ZSH-001	DI	TB-00-JE-22002	3	4	07403	07404	1mm²	BK	WH	TB-02-01	09A	09B	02	01	09	CA_02_01	CA_02_02	SIS_DI01
25-ZSL-023	DI	TB-00-JE-22002	5	6	07405	07406	1mm²	BK	WH	TB-02-01	10A	10B	02	01	10	CA_02_01	CA_02_02	SIS_DI01
25-ZSH-023	DI	TB-00-JE-22002	7	8	07407	07408	1mm²	BK	WH	TB-02-01	11A	11B	02	01	11	CA_02_01	CA_02_02	SIS_DI01
25-ZSL-022	DI	TB-00-JE-22002	9	10	07409	07410	1mm²	BK	WH	TB-02-01	12A	12B	02	01	12	CA_02_01	CA_02_02	SIS_DI01
25-ZSH-022	DI	TB-00-JE-22002	11	12	07411	07412	1mm²	BK	WH	TB-02-01	13A	13B	02	01	13	CA_02_01	CA_02_02	SIS_DI01
64-ZSL-001	DI	TB-00-JE-22002	13	14	07419	07420	1mm²	BK	WH	TB-02-03	01A	01B	02	03	01	CA_02_03	CA_02_04	SIS_DI01
64-ZSH-001	DI	TB-00-JE-22002	15	16	07421	07422	1mm²	BK	WH	TB-02-03	02A	02B	02	03	02	CA_02_03	CA_02_04	SIS_DI01
950-ASD-03101	DI	TB-00-JE-22002	17	18	07423	07424	1mm²	BK	WH	TB-02-03	03A	03B	02	03	03	CA_02_03	CA_02_04	SIS_DI01
WS0110020114	DI	TB-00-JE-22002	19	20	07413	07414	1mm²	BK	WH	TB-02-01	14A	14B	02	01	14	CA_02_01	CA_02_02	SIS_DI01
WS0110020115	DI	TB-00-JE-22002	21	22	07415	07416	1mm²	BK	WH	TB-02-01	15A	15B	02	01	15	CA_02_01	CA_02_02	SIS_DI01
WS0110020116	DI	TB-00-JE-22002	23	24	07417	07418	1mm²	BK	WH	TB-02-01	16A	16B	02	01	16	CA_02_01	CA_02_02	SIS_DI01
950-MOB-03101	DI	TB-00-JE-22002	25	26	07425	07426	1mm²	BK	WH	TB-02-03	04A	04B	02	03	04	CA_02_03	CA_02_04	SIS_DI01
950-ESD-03101	DI	TB-00-JE-22002	27	28	07427	07428	1mm²	BK	WH	TB-02-03	05A	05B	02	03	05	CA_02_03	CA_02_04	SIS_DI01
950-ESDD-03101	DI	TB-00-JE-22002	29	30	07429	07430	1mm²	BK	WH	TB-02-03	06A	06B	02	03	06	CA_02_03	CA_02_04	SIS_DI01
950-ASD-06101	DI	TB-00-JE-22002	31	32	07431	07432	1mm²	BK	WH	TB-02-03	07A	07B	02	03	07	CA_02_03	CA_02_04	SIS_DI01
950-MOB-06101	DI	TB-00-JE-22002	33	34	07433	07434	1mm²	BK	WH	TB-02-03	08A	08B	02	03	08	CA_02_03	CA_02_04	SIS_DI01
950-ESD-06101	DI	TB-00-JE-22002	35	36	07435	07436	1mm²	BK	WH	TB-02-03	09A	09B	02	03	09	CA_02_03	CA_02_04	SIS_DI01
950-ESDD-06101	DI	TB-00-JE-22002	37	38	07437	07438	1mm²	BK	WH	TB-02-03	10A	10B	02	03	10	CA_02_03	CA_02_04	SIS_DI01
950-ASD-07101	DI	TB-00-JE-22002	39	40	07439	07440	1mm²	BK	WH	TB-02-03	11A	11B	02	03	11	CA_02_03	CA_02_04	SIS_DI01
950-MOB-07101	DI	TB-00-JE-22002	41	42	07441	07442	1mm²	BK	WH	TB-02-03	12A	12B	02	03	12	CA_02_03	CA_02_04	SIS_DI01
950-ESD-07101	DI	TB-00-JE-22002	43	44	07443	07444	1mm²	BK	WH	TB-02-03	13A	13B	02	03	13	CA_02_03	CA_02_04	SIS_DI01
950-ESDD-07101	DI	TB-00-JE-22002	45	46	07445	07446	1mm²	BK	WH	TB-02-03	14A	14B	02	03	14	CA_02_03	CA_02_04	SIS_DI01
WS0110020315	DI	TB-00-JE-22002	47	48	07447	07448	1mm²	BK	WH	TB-02-03	15A	15B	02	03	15	CA_02_03	CA_02_04	SIS_DI01
			<2>	<2>														

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - DIGITAL INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 074

REV. 2

<2> SIS PANEL - TB-P320PLC + TB-XA-000 + AT01

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM.	WIRE + (A)	WIRE - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
85-XA-003	DI	TB-P320PLC	1	2	07501	07502	1mm²	BK	WH	TB-03-01	01A	01B	03	01	01	CA_03_01	CA_03_02	SIS_DI01
85-XA-004	DI	TB-P320PLC	3	4	07523	07524	1mm²	BK	WH	TB-03-01	12A	12B	03	01	12	CA_03_01	CA_03_02	SIS_DI01
20-XA-003	DI	TB-XA-000	1	2	07503	07504	1mm²	BK	WH	TB-03-01	02A	02B	03	01	02	CA_03_01	CA_03_02	SIS_DI01
80-XA-003	DI	TB-XA-000	3	4	07505	07506	1mm²	BK	WH	TB-03-01	03A	03B	03	01	03	CA_03_01	CA_03_02	SIS_DI01
50-XA-003	DI	TB-XA-000	5	6	07507	07508	1mm²	BK	WH	TB-03-01	04A	04B	03	01	04	CA_03_01	CA_03_02	SIS_DI01
63-XA-003	DI	TB-XA-000	7	8	07509	07510	1mm²	BK	WH	TB-03-01	05A	05B	03	01	05	CA_03_01	CA_03_02	SIS_DI01
64-XA-003	DI	TB-XA-000	9	10	07511	07512	1mm²	BK	WH	TB-03-01	06A	06B	03	01	06	CA_03_01	CA_03_02	SIS_DI01
77-XA-001	DI	TB-XA-000	11	12	07513	07514	1mm²	BK	WH	TB-03-01	07A	07B	03	01	07	CA_03_01	CA_03_02	SIS_DI01
77-XA-002	DI	TB-XA-000	13	14	07515	07516	1mm²	BK	WH	TB-03-01	08A	08B	03	01	08	CA_03_01	CA_03_02	SIS_DI01
77-XA-003	DI	TB-XA-000	15	16	07517	07518	1mm²	BK	WH	TB-03-01	09A	09B	03	01	09	CA_03_01	CA_03_02	SIS_DI01
77-XA-004	DI	TB-XA-000	17	18	07519	07520	1mm²	BK	WH	TB-03-01	10A	10B	03	01	10	CA_03_01	CA_03_02	SIS_DI01
72-XA-001	DI	TB-XA-000	19	20	07521	07522	1mm²	BK	WH	TB-03-01	11A	11B	03	01	11	CA_03_01	CA_03_02	SIS_DI01
WS0110030113	DI	TB-XA-000	21	22	07525	07526	1mm²	BK	WH	TB-03-01	13A	13B	03	01	13	CA_03_01	CA_03_02	SIS_DI01
WS0110030114	DI	TB-XA-000	23	24	07527	07528	1mm²	BK	WH	TB-03-01	14A	14B	03	01	14	CA_03_01	CA_03_02	SIS_DI01
WS0110030115	DI	TB-XA-000	25	26	07529	07530	1mm²	BK	WH	TB-03-01	15A	15B	03	01	15	CA_03_01	CA_03_02	SIS_DI01
WS0110030116	DI	TB-XA-000	27	28	07531	07532	1mm²	BK	WH	TB-03-01	16A	16B	03	01	16	CA_03_01	CA_03_02	SIS_DI01

<2>

<2>

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - DIGITAL INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 075

REV. 2

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2	14.11.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 076

REV. 2

<2> SIS PANEL - TB-00-JE-21001

	TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. A NUM.	T.S. B NUM.	WIRE + (A)	WIRE - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
	25-PT-004	AI	TB-00-JE-21001	1	2	07701	07702	1mm²	BK	WH	TB-01-01	01A	01B	01	01	01	CA_01_01	CA_01_02	SIS_AI01
	25-PT-006	AI	TB-00-JE-21001	3	4	07703	07704	1mm²	BK	WH	TB-01-01	02A	02B	01	01	02	CA_01_01	CA_01_02	SIS_AI01
	25-PT-008	AI	TB-00-JE-21001	5	6	07705	07706	1mm²	BK	WH	TB-01-01	03A	03B	01	01	03	CA_01_01	CA_01_02	SIS_AI01
	25-PT-009	AI	TB-00-JE-21001	7	8	07707	07708	1mm²	BK	WH	TB-01-01	04A	04B	01	01	04	CA_01_01	CA_01_02	SIS_AI01
	25-PT-011	AI	TB-00-JE-21001	9	10	07709	07710	1mm²	BK	WH	TB-01-01	05A	05B	01	01	05	CA_01_01	CA_01_02	SIS_AI01
	25-PT-012	AI	TB-00-JE-21001	11	12	07711	07712	1mm²	BK	WH	TB-01-01	06A	06B	01	01	06	CA_01_01	CA_01_02	SIS_AI01
<2>	WS0110010113	AI	TB-00-JE-21001	13	14	07713	07714	1mm²	BK	WH	TB-01-01	13A	13B	01	01	13	CA_01_01	CA_01_02	SIS_AI01
<2>	WS0110010114	AI	TB-00-JE-21001	15	16	07715	07716	1mm²	BK	WH	TB-01-01	15A	15B	01	01	15	CA_01_01	CA_01_02	SIS_AI01
<2>	WS0110010115	AI	TB-00-JE-21001	17	18	07717	07718	1mm²	BK	WH	TB-01-01	16A	16B	01	01	16	CA_01_01	CA_01_02	SIS_AI01
<2>	SPARE	AI	TB-00-JE-21001	19	20														
<2>	SPARE	AI	TB-00-JE-21001	21	22														
<2>	SPARE	AI	TB-00-JE-21001	23	24														
	25-PT-002	AI	TB-00-JE-21002	1	2	07719	07720	1mm²	BK	WH	TB-01-01	07A	07B	01	01	07	CA_01_01	CA_01_02	SIS_AI01
	80-PT-002	AI	TB-00-JE-21002	3	4	07721	07722	1mm²	BK	WH	TB-01-01	08A	08B	01	01	08	CA_01_01	CA_01_02	SIS_AI01
	43-LT-001	AI	TB-00-JE-21002	5	6	07723	07724	1mm²	BK	WH	TB-01-01	14A	14B	01	01	14	CA_01_01	CA_01_02	SIS_AI01
	64-PT-002	AI	TB-00-JE-21002	7	8	07725	07726	1mm²	BK	WH	TB-01-01	09A	09B	01	01	09	CA_01_01	CA_01_02	SIS_AI01
<2>	WS0110010111	AI	TB-00-JE-21002	9	10	07727	07728	1mm²	BK	WH	TB-01-01	11A	11B	01	01	11	CA_01_01	CA_01_02	SIS_AI01
<2>	WS0110010112	AI	TB-00-JE-21002	11	12	07729	07730	1mm²	BK	WH	TB-01-01	12A	12B	01	01	12	CA_01_01	CA_01_02	SIS_AI01
	63-PT-004	AI	TB-63-PT-004	1	2	07731	07732	1mm²	BK	WH	TB-01-01	10A	10B	01	01	10	CA_01_01	CA_01_02	SIS_AI01

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-SIS_WD

CROSSWIND

ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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1	02.10.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	05.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
SIS AND FGS WIRING DIAGRAMS AND TERMINAL STRIPS
SIS PANEL - ANALOG INPUT SIGNALS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00021

SHEET 077

REV. 2