"SG-100D1" HV SWBD 6,6kV (UNIT A3)

LOGICAL DIAGRAM

BESS FEEDER A-85000

=							
+A3							
DWG n° : 231151/SD/25	3	08/08/2024	Giulietti	Flamminio	Sigismondi	As Built (ASB)	
Item n° : PF1113279	2	28/06/2024	Giulietti	Flamminio	Sigismondi	Accepted for construction (AFC)	
	1	21/05/2024	Giulietti	Flamminio	Sigismondi	Issued for review (IFR)	
	0	04/04/2024	Giulietti	Flamminio	Sigismondi	Issued for review (IFR)	
	REV.	DATE	DRN	CHKD	APPD	DESCRIPTION	

IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE :
SG-100D1 - LOGICAL BESS FEEDER A-85000
Cover

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00025

SHEET 1

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00025 Rev.03

INDEX

Sheet	Description	Revision 0	1	2	3	4	5	6	7	8	Sheet	Description	Revision 0	1	2	3	4	5	6	7	8
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2	Sheets index																				
3	Input Protection Relay REX640																				
4	Input Protection Relay REX640																				
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DWG n° : 231151/SD/25

Item n° : PF1113279

IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE :

SG-100D1 - LOGICAL BESS FEEDER A-85000

Sheets index

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

SCALE : NTS

A3

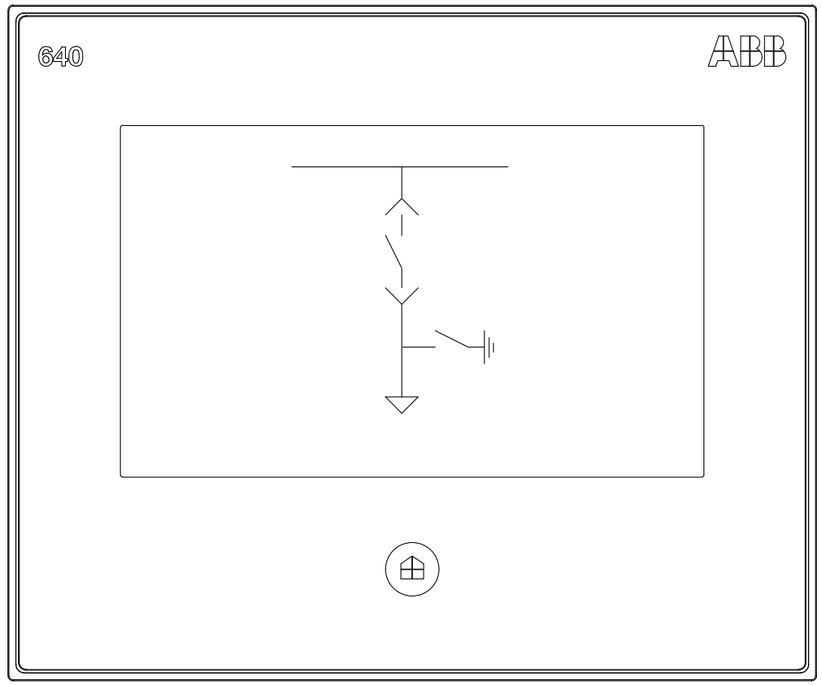
DRAWING NO. 1723002197-EL-DG-00025

SHEET 2

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00025 Rev.03



LHMI - TOUCH DISPLAY

- COMMANDS "CLOSE C.B." AND "OPEN C.B." NON ENABLED
- PUSH BUTTON "REMOTE / LOCAL" NOT ENABLED
- ONLY PUSH BUTTON "RESET" ARC PROTECTION WILL BE ENABLED

LEDs PAGE 1				
Item	NAME PLATE	COLOUR		Note
		ALARM	OK	
LED-1	27-1/27-2/59-1/59-2 - VOLTAGE PROTECTION	RED	-	ALARM = OVER/UNDER VOLTAGE PROTECTION
LED-2	CONTACTOR READY (TCS)	-	GREEN	OK = TCS OK (CONTACTOR READY)
LED-3	SYNCHRO CHECK		GREEN	OK = SYNCHRONISM
LED-4	CONTACTOR READY TO CLOSE	-	GREEN	OK = CONTACTOR READY TO CLOSE
LED-5	50-1/51-1/67-1/67-2 - TRIPPED	RED	-	ALARM = OVERCURRENT PROTECTION TRIPPED
LED-6	51N/59N-1/59N-2 - TRIPPED	RED	-	ALARM = EARTH PROTECTION TRIPPED
LED-7	EARTHING SWITCH UNLOCKED	-	GREEN	OK = EARTHING SWITCH UNLOCKED
LED-8	RACK-IN/OUT ENABLED	-	GREEN	OK = CONTACTOR TRUCK UNLOCKED
LED-9	ARC PROTECTION TRIPPED	RED	-	ALARM = TRIP ARC PROTECTION
LED-10	GOOSE ALARM	RED	-	ALARM = GOOSE FAULT
LED-11	EMERGENCY OPENING BY SIS (ESD)	RED	-	ALARM = ESD TRIPPED

LEDs PAGE 2				
Item	NAME PLATE	COLOUR		Note
		ALARM	OK	
LED-12	SPACE HEATER "ON"	RED	-	ALARM = SPACE HEATER "ON"
LED-13	TRANSF. PROTECTIONS	RED		ALARM = PROTECTIONS TRIP
LED-14	FUSES TRIP	RED		ALARM = FUSES TRIP
LED-15	TRIP FROM L.V.	RED		ALARM = L.V. TRIP
LED-16				
LED-17				
LED-18				
LED-19				
LED-20				
LED-21				
LED-22				

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DWG n° : 231151/SD/25
Item n° : PF1113279

IMESA ELECTRICAL ENGINEERING
CROSSWIND
ROSETTI MARINO

TITLE :
SG-100D1 - LOGICAL BESS FEEDER A-85000
Input Protection Relay REX640

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

A3
DRAWING NO. 1723002197-EL-DG-00025
SHEET 3
REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00025 Rev.03

INPUTS

B–X1		
1	BI1	CONTACTOR CLOSED
4		
2	BI2	CONTACTOR OPENED
4		
3	BI3	CONTACTOR SERVICE POSITION
4		
5	BI4	CONTACTOR TEST POSITION
8		
6	BI5	EARTH SWITCH OPENED
8		
7	BI6	EARTH SWITCH CLOSED
8		
9	BI7	RELAY TRIPPED
12		
10	BI8	CONTACTOR READY
12		
11	BI9	FUSES TRIPPED
12		
13	BI10	SELECTOR IN LOCAL POSITION
16		
14	BI11	SELECTOR IN REMOTE POSITION
16		
15	BI12	EXTERNAL CLOSING INTERLOCK
16		
17	BI13	CIRC.BREAKER OPENED (FROM L.V. SWITCHBOARD)
18		
B–X2		
1	BI14	UNLOCKING EARTHING SWITCH / TRUCK CONTACTOR
2		

INPUTS

C–X1		
1	BI1	EMERGENCY OPENING BY SIS
4		
2	BI2	V.T. HEALTY CIRCUIT
4		
3	BI3	EARTHING SWITCH OPEN (FROM MEASURING UNIT)
4		
5	BI4	CLOSED AUXILIARY CIRCUIT MCB's
8		
6	BI5	CLOSED AUXILIARY V.T. SECONDARY MCB's
8		
7	BI6	AVAILABLE
8		
9	BI7	
12		
10	BI8	AVAILABLE
12		
11	BI9	
12		
13	BI10	AVAILABLE
16		
14	BI11	AVAILABLE
16		
15	BI12	
16		
17	BI13	TRANSF. ALARM WINDING TEMPERATURE
18		
B–X2		
1	BI14	TRANSF. TRIP WINDING TEMPERATURE
2		

INPUTS

D–X1		
1	BI1	LOCAL CLOSING COMMAND
4		
2	BI2	LOCAL OPENING COMMAND
4		
3	BI3	CIRC.BREAKER IN TEST POSITION (FROM L.V. SWITCHBOARD)
4		
5	BI4	CIRC.BREAKER TRIPPED (FROM L.V. SWITCHBOARD)
8		
6	BI5	SPACE HEATER "ON"
8		
7	BI6	AVAILABLE REMOTE OPENING COMMNAD
8		
9	BI7	AVAILABLE REMOTE OPENING COMMNAD
12		
10	BI8	MCB AND WATCHDOG PROTECTION, RELAY HEALTH (FROM UNIT A1)
12		
11	BI9	SELECTOR SWITCH OF OVERRIDE (SIL ENABLED)
12		

ARC MODULE

LIGHT SENSOR INPUT 1	Slot A1 X11	ARC "MAIN BUS BAR" "BB"
LIGHT SENSOR INPUT 2	Slot A1 X12	ARC "CONTACTOR COMPART." "CB"
LIGHT SENSOR INPUT 3	Slot A1 X13	ARC "CABLE COMPARTEMENT" "CC"
LIGHT SENSOR INPUT 4	Slot A1 X14	

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+A3						
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IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE :

SG–100D1 – LOGICAL BESS FEEDER A–85000

Input Protection Relay REX640

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

SCALE : NTS

A3

DRAWING NO. 1723002197–EL–DG–00025

SHEET 4

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197–EL–DG–00025 Rev.03

OUTPUT

B–X2

3 4	S01	TRIPPED PRTOECTION	
5 6	S02	EARTHING SWITCH CLOSED TO TERMINAL STRIP	
7 8	S03	AVAILABLE OUT TO TERMINAL	
9 10	S04	RESET LOCKOUT RELAY	
11 12	S05		
13 14	S06		
15 16	S07		
17 18	S08		

OUTPUT

C–X2

3 4	S01	
5 6	S02	
7 8	S03	
9 10	S04	
11 12	S05	
13 14	S06	
15 16	S07	
17 18	S08	

OUTPUT

D–X2

3(–)	SP01		TRIP ARC DETECTOR
4(+) 5(–)	SP02		
6(+) 7(–)	SP03		
8(+) 9(–)	SP04		
10(+) 11(–)	SP05 (I)		
12(+) 13(–)	SP06 TCS		
14(+) 15(–)	SP07 (I)		
16(+) 17(–)	SP08 TCS		
18(+)			

OUTPUT

G–X1

1 2		Uaux	
3 5 4	RF	WATCHDOG	
6 8 7	S01	E.SWITCH UNLOCKED	
9 10	S02	CONTACTOR READY TO CLOSE	
11	SS01		
12 13	SS02		
14 15	POSP1	CONTACTOR CLOSING COMMAND	
16 17	POSP2		
18			

OUTPUT

G–X2

1 3 2	S03		CONTACTOR TRUCK UNLOCKED
4 (I) 6	PODP1		
5 7 8	P01_TCS (TCS)		CONTACTOR OPENING COMMAND
9 (I) 11	PODP2		
10 12 13	P02_TCS (TCS)		
14 (I) 16	PODP3		
15 17 18	P03_TCS (TCS)		

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DWG n° : 231151/SD/25
Item n° : PF1113279

CROSSWIND

IMESA ELECTRICAL ENGINEERING

ROSETTI MARINO

TITLE :
SG–100D1 – LOGICAL BESS FEEDER A–85000
Output Protection Relay REX640

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

SCALE : NTS

A3

DRAWING NO. 1723002197–EL–DG–00025

SHEET 5

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197–EL–DG–00025 Rev.03

1	2	3	4	5	6	7	8	9	10

INPUTS

PROTECTIONS REX640 (FP1)

OUTPUTS

A

B

C

D

E

F

50-1 / 3I>>> / PHIPTOC1 (0 / 1 / Start)

TO EMCS IEC 61850 — 50-1 -PROTECTION OPERATED

51-1 / 3I> / PHLPTOC1 (0 / 1 / Start)

TO EMCS IEC 61850 — 51-1 -PROTECTION OPERATED

7.6D — 67

LED-5 (RED)

t=0,5"

TO EMCS IEC 61850 — 51N PROTECTION OPERATED

51N / Io> / EFLPTOC1 (0 / 1 / Start)

59N-2 / Vo> / ROVPTOV2 (0 / 1 / Start)

LED-6 (RED)

PROTECTION — 8.6B

TO EMCS IEC 61850 — INTERTRIP SEND (TO L.V. SWITCHB.)

RESET — K86 — 9.5A

K86 — 7.5B

59N — 7.8A

TO EMCS IEC 61850 — 59N-2 PROTECTION OPERATED

LED-15 (RED)

B_X2-S01

K86: 0 / 1 — TRIPPED PROTECTION

KA1: TRIP PROTECTION FROM LOW VOLTAGE (0 / 1) — D-X1-5

INCOMING VOLTAGE

MAIN BUS BAR VOLTAGE

U3P2 25 SYNC U3P1 SECRSYN (0 / 1 / Start)

SYNCH OK — LED-3 (RED) — SYNCH OK — 7.4C

TO EMCS IEC 61850 — 25 SYNCHRO OK

7.5B — 59-2

10.8B — TRIPPED TRASF.

9.4B — FUSE

D_X2-S01

FP1e: 0 / 1 — TRIPPED ARC CABLE COMPARTMENT

ONLY "LIGHT"

50L/50NL ARC ARCSARC1 (0 / 1 / Start) — ARC "MAIN BUS BAR" "BB"

ONLY "LIGHT"

50L/50NL ARC ARCSARC2 (0 / 1 / Start) — ARC "CONTACTOR COMPART." "CB"

ONLY "LIGHT"

50L/50NL ARC ARCSARC3 (0 / 1 / Start) — ARC "CABLE COMPARTEMENT" "CC"

GOOSE FROM INCOMINGS: UNIT :A6

TRIPPED ARC PROTECTION FOR:
- ARC DETECTED ON MAIN BUS BAR (FROM ALL UNITS)
- ARC DETECTED ON C.B. / CONTACTOR COMPARTEMENT (FROM ALL UNITS)
- ARC DETECTED ON CABLE COMPARTEMENT (ONLY CONTACTOR UNIT)

t=0,5"

LED-9 (RED)

9.6A — K86 ARC — 8.6C

GOOSE TO INCOMINGS: UNIT :A6

0 / 1 — TRIPPED ARC PROTECTION

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+A3

DWG n° : 231151/SD/25

Item n° : PF1113279

IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE :

SG-100D1 - LOGICAL BESS FEEDER A-85000

Protections REX640

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00025

SHEET 6

REV. 03

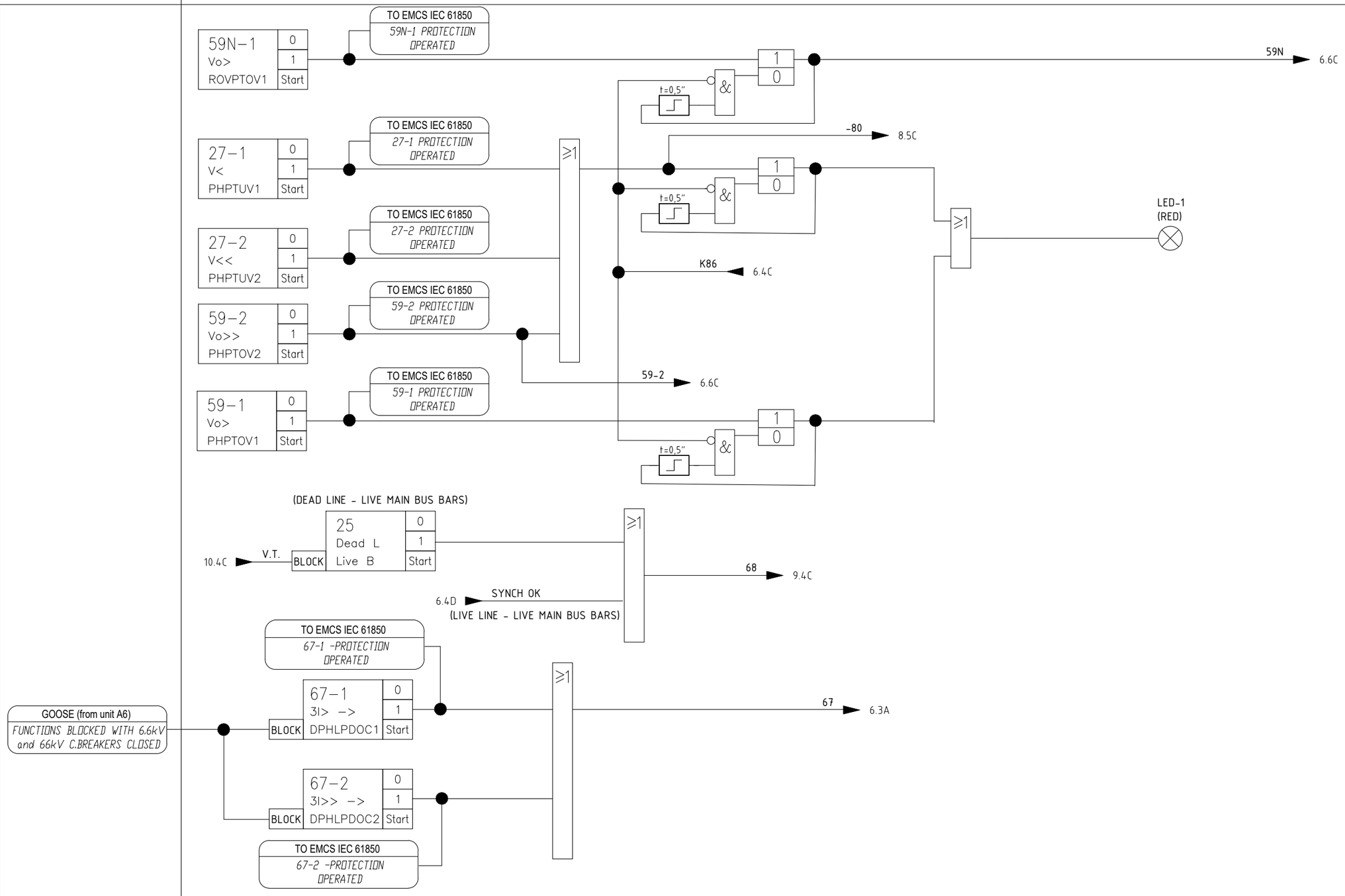
F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00025 Rev.03

INPUTS

PROTECTIONS REX640 (FP1)

OUTPUTS



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+A3					
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IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE :
SG-100D1 - LOGICAL BESS FEEDER A-85000
Protections REX640

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00025

SHEET 7

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00025 Rev.03

INPUTS

REX640 CONTACTOR COMMANDS

OUTPUTS

S20 LOCAL OPENING COMMAND 0/1 → D-X1-2

K1 – BGT4 CONTACTOR SERVICE 0/1 → B-X1-3

K1 – BGT5 CONTACTOR TEST 0/1 → B-X1-5

XM REMOTE AVAILABLE OPENING COMMAND 0/1 → D-X1-7

XM REMOTE AVAILABLE OPENING COMMAND 0/1 → D-X1-9

SA1 SELECTOR IN REMOTE POSITION 0/1 → B-X1-14

SA1 SELECTOR IN LOCAL POSITION 0/1 → B-X1-13

S1C LOCAL CLOSING COMMAND 0/1 → D-X1-1

KGR SPACE HEATER "ON" 0/1 → D-X1-6

LED-12 (RED)

IEC 61850 – EMCS OPENING 0/1

IEC 61850 – EMCS CLOSING 0/1

TEST → 8.5D

INSERT. → 9.3D

INSERT. → 9.4C

INSERT

INSERT

7.6A → -80

REMOTE → 9.7B

TO EMCS IEC 61850 *SELECTOR IN REMOTE POSITION*

LOCAL → 11.4B

TO EMCS IEC 61850 *SELECTOR IN LOCAL POSITION*

8.3B → TEST

TEST → 11.3C

LOCAL OPENING

REMOTE OPENING

6.9B → PROTECTION

9.5A → K86

UNDERVOLTAGE

6.6E → ARC

OPENING → 9.4C

REMOTE CLOSING

LOCAL CLOSING

9.6B → READY

LOCAL CLOSING

TEST LOCAL CLOSING

G_PODP1-X2 → K1 CONTACTOR OPENING (0/1)

TO EMCS IEC 61850 *RESET LOCKOUT RELAY* → B_S04-X2 → FP1c RESET LOCKOUT RELAY (0/1)

G_POSP1-X1 → K1 CONTACTOR CLOSING (0/1)

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IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE :

SG–100D1 – LOGICAL BESS FEEDER A–85000

Contactor Commands

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

SCALE : NTS

A3

DRAWING NO. 1723002197–EL–DG–00025

SHEET 8

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197–EL–DG–00025 Rev.03

INPUTS

REX640 CONTACTOR COMMANDS

OUTPUTS

K86 RELAY TRIPPED (0/1) — B-X1-9

XM EXTERNAL CLOSING INTERLOCK (0/1) — B-X1-15

XM FROM L.V.SWDB C.B.OPENED (0/1) — B-X1-17

DO1 CONTACTOR READY (TCS) (0/1) — B-X1-10

BGF2 FUSE TRIPPED (0/1) — B-X1-11

BGE EARTHING SWITCH OPENED (0/1) — B-X1-6

BGE EARTHING SWITCH CLOSED (0/1) — B-X1-7

K1 CONTACTOR OPENED (0/1) — B-X1-2

QD2 – QD4 CLOSED AUXILIARY CIRCUIT MCB's (0/1) — C-X1-5

QV4 – QV5 CLOSED AUXILIARY V.T. SECONDARY MCB's (0/1) — C-X1-6

KSIL EMERGENCY OPENING BY SIS (0/1) — C-X1-1

K1 CONTACTOR CLOSED (0/1) — B-X1-1

TO EMCS IEC 61850: *K86 TRIPPED*

K86 → 6.6D

K86 → 8.6B

K86 → 6.4C

LED-2 (GREEN)

TO EMCS IEC 61850: *CONTACTOR READY (TCS)*

LED-14 (RED)

FUSE → 6.6D

E.S. OPEN → 11.4B

E.S. OPENED

E.S. CLOSED → 9.8C

7.5C → 68

8.5B → INSERT.

8.7B → OPENING

CONT.OPEN → 11.4B

CONTACTOR OPENED

TO EMCS IEC 61850: *MCB's CLOSED*

LED-11 (RED)

8.5A → INSERT.

TO EMCS IEC 61850: *CONTACTOR CLOSED AND INSERTED*

10.4C → V.T.

READY → 8.6C

LED-4 (GREEN)

8.4C → REMOTE

TO EMCS IEC 61850: *CONTACTOR READY TO CLOSE*

G_S02-X1 — **XM** 0 CONTACTOR READY TO CLOSE (1)

9.3C → E.S. CLOSED — B_S02-X2 — **XM** 0 E.SWITCH CLOSED (1)

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DWG n° : 231151/SD/25

Item n° : PF1113279

CROSSWIND

IMESA ELECTRICAL ENGINEERING

ROSETTI MARINO

TITLE :

SG–100D1 – LOGICAL BESS FEEDER A–85000

Contactor Commands

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

SCALE : NTS

A3

DRAWING NO. 1723002197–EL–DG–00025

SHEET 9

REV. 03

F.to UNI A3: 420mmx297mm

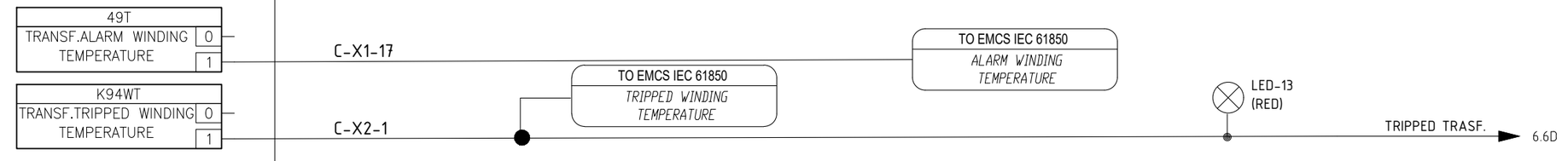
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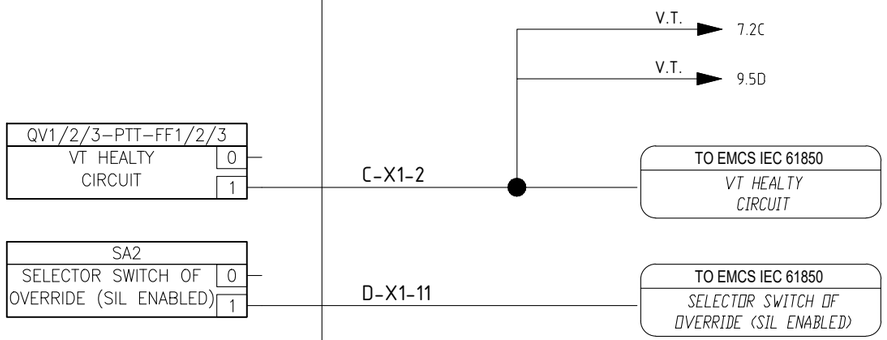
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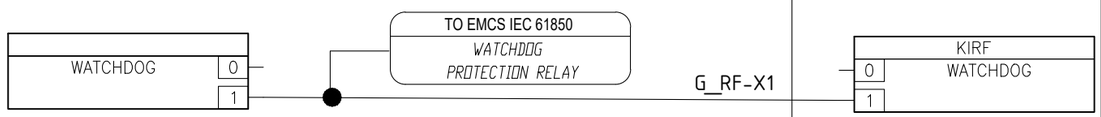
INPUTS

REX640 CONTACTOR COMMANDS

OUTPUTS







=							
+A3							
	3	08/08/2024	Giulietti	Flamminio	Sigismondi	As Built (ASB)
	2	28/06/2024	Giulietti	Flamminio	Sigismondi	Accepted for construction (AFC)
	1	21/05/2024	Giulietti	Flamminio	Sigismondi	Issued for review (IFR)
	0	04/04/2024	Giulietti	Flamminio	Sigismondi	Issued for review (IFR)
	REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

DWG n° : 231151/SD/25

Item n° : PF1113279

CROSSWIND

IMESA ELECTRICAL ENGINEERING

ROSETTI MARINO

TITLE :

SG-100D1 - LOGICAL BESS FEEDER A-85000

Contactor Commands

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00025

SHEET 10

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00025 Rev.03

INPUTS

REX640 CONTACTOR COMMANDS

OUTPUTS

BGE
EART.SWITCH OPENED FROM MEASURING UNIT 0/1
C-X1-3

KT1
UNLOCKING E.SWITCH/CONT. TRUCK 0/1
B-X2-1

QB1
LOW VOLTAGE CIR.BREAK IN TEST POSITION 0/1
D-X1-3

QD1 – KIRF (UNIT A2)
MCB AND WATCHDOG PROTEC. RELAY HEALTHY 0/1
D-X1-10

QD1 – KIRF (UNIT A4)
MCB AND WATCHDOG PROTEC. RELAY HEALTHY 0/1
C-X1-7

9.3C CONT.OPEN
9.4B E.S. OPEN
8.4D LOCAL
8.6E TEST

≥1
&
&

TO EMCS IEC 61850
CONTACTOR OPENED OR ISOLATED

LED-8 (GREEN)
G_S03-X2
RLE2
0 CONTACTOR TRUCK UNLOCKED

LED-7 (GREEN)
G_S01-X1
RLE3
0 EARTHING SWITCH UNLOCKED

TO EMCS IEC 61850
PROTECTION RELAY UNIT 2 HEALTHY

TO EMCS IEC 61850
PROTECTION RELAY UNIT 4 HEALTHY

GOOSE
LED-10 (RED)

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+A3						
DWG n° : 231151/SD/25	3	08/08/2024	Giulietti	Flamminio	Sigismondi	As Built (ASB)
Item n° : PF1113279	2	28/06/2024	Giulietti	Flamminio	Sigismondi	Accepted for construction (AFC)
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	REV.	DATE	DRN	CHKD	APPD	DESCRIPTION

IMESA ELECTRICAL ENGINEERING

CROSSWIND

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TITLE :
SG-100D1 – LOGICAL BESS FEEDER A-85000
Contactor Commands

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00025

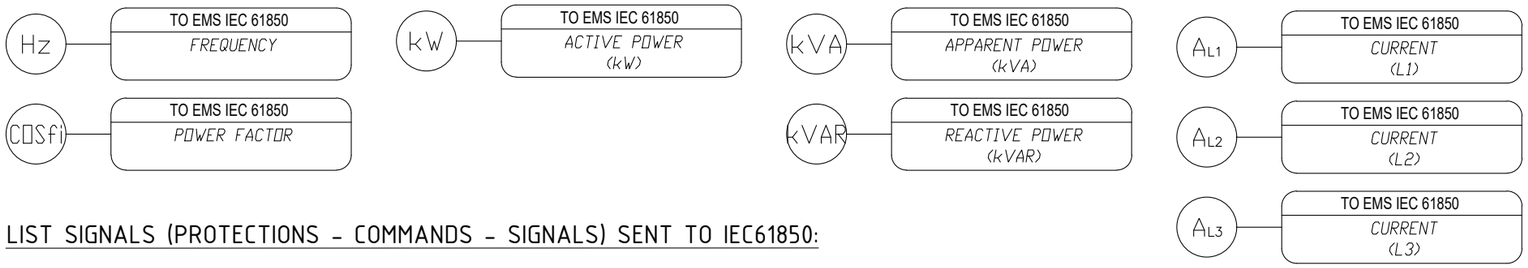
SHEET 1.1

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00025 Rev.03

INPUTS	REX640 SIGNALS MEASURES AND COMMAND AVAILABLE TO IEC61850	OUTPUTS



LIST SIGNALS (PROTECTIONS - COMMANDS - SIGNALS) SENT TO IEC61850:

- PROTECTION TRIPPED "50-1"
- PROTECTION TRIPPED "51-1"
- PROTECTION TRIPPED "51N"
- SYNCHRO "OK"
- PROTECTION TRIPPED "59N-1"
- PROTECTION TRIPPED "59N-2"
- PROTECTION TRIPPED "27-1"
- PROTECTION TRIPPED "27-2"
- PROTECTION TRIPPED "59-1"
- PROTECTION TRIPPED "59-2"
- PROTECTION TRIPPED "67-1"
- PROTECTION TRIPPED "67-2"
- SELECTOR SWITCH IN LOCAL POSITION
- SELECTOR SWITCH IN REMOTE POSITION
- TRANSFORMER PROTECTION TRIPPED "WINDING TEMPERATURE"
- TRANSFORMER PROTECTION ALARM "WINDING TEMPERATURE"
- WATCHDOG PROTECTION RELAY
- V.T. HEALTLY CIRCUIT
- INTERTRIP SEND TO L.V.SWITCHB.
- K86 TRIPPED
- CONTACTOR CLOSED AND INSERTED
- CONTACTOR OPENED OR ISOLATED
- MCB'S CLOSED
- CONTACTOR READY (TCS)
- CONTACTOR READY TO CLOSE
- OPENING COMMAND
- CLOSING COMMAND
- PROTECTION RELAY UNIT 2 HEALTHY
- PROTECTION RELAY UNIT 4 HEALTHY
- SELECTOR SWITCH OF OVERRIDE (SIL ENABLED)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
=					
+A3					
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DWG n° : 231151/SD/25
Item n° : PF1113279

CROSSWIND

ROSETTI MARINO

TITLE :
SG-100D1 - LOGICAL BESS FEEDER A-85000
Measures

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00025

SHEET 12

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00025 Rev.03