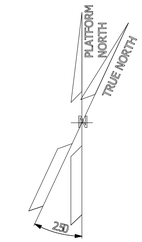
DRAWING NO. 123A90-DDL-EL-DG-20159

REV. 02

GRAPHICAL SYMBOLS	DESCRIPTION	GRAPHICAL SYMBOLS	DESCRIPTION	GRAPHICAL SYMBOLS	DESCRIPTION	GRAPHICAL SYMBOLS	DESCRIPTION
	CIRCUIT BREAKER WITH AUTOMATIC RELEASE		CAPACITOR (GENERAL SYMBOL)		BISTABLE RELAY		CHANGE-OVER BREAK BEFORE MAKE CONTACT
	CIRCUIT BREAKER WITH AUTOMATIC RELEASE AND BUILT-IN THERMOMAGNETIC RELEASE		CAPACITIVE VOLTAGE DIVIDER		COIL OF A MECHANICALLY LATCHED RELAY		DELAYED ACTION (IN THE DIRECTION OF MOVEMENT FROM THE ARC TOWARDS ITS CENTRE)
			CURRENT TRANSFORMER		INDICATOR, ELECTROMECHANICAL ELEMENT		POSITION SWITCH (LIMIT SWITCH), MAKE CONTACT
	SWITCH DISCONNECTOR		RING CURRENT TRANSFORMER		LAMP (GENERAL SYMBOL)		POSITION SWITCH (LIMIT SWITCH), MAKE CONTACT
	CONTACTOR		INDICATING INSTRUMENT GENERAL SYMBOL		SEMICONDUCTOR DIODE		POSITION SWITCH (LIMIT SWITCH), BREAK CONTACT
	LOCK WITH FREE KEY WHEN THE DEVICE IS IN OPEN POSITION		INTEGRATING INSTRUMENT (GENERAL SYMBOL)		LED		OPERATED BY TURNING
	LOCK WITH FREE KEY WHEN THE DEVICE IS IN CLOSE POSITION		DISCONNECTING FUSE, NOT WITH LIVE CIRCUIT AND WITH MECHANICAL LINKAGE (STRIKER FUSE))	I DC I AC	TRANSDUCER OF ALTERNATING CURRENT MEASURE INTO DIRECT CURRENT SIGNAL		THREE HELD POSITIONS TURNING SWITCH
	PLUG AND SOCKET (MALE AND FEMALE)		OPERATING DEVICE (GENERAL SYMBOL)		EARTH, GROUND (GENERAL SYMBOL)		THREE POSITIONS TURNING SWITCH, WITH SPRING THROWBACK TO THE CENTRAL POSITION
	VOLTAGE TRANSFORMER WITH TWO WINDINGS		COIL OF A TIME DELAYED OPERATING RELAY		MAKE CONTACT		MECHANICAL INTERLOCK BETWEEN TWO DEVICES
	VOLTAGE TRANSFORMER WITH THREE WINDINGS		COIL OF A TIME DELAYED RELEASING RELAY		BREAK CONTACT		
	RESISTOR (GENERAL SYMBOL)		AMPEROMETRIC TEST SOCKET				
	THERMISTOR (GENERAL SYMBOL)		3 PHASES LINE				
	HEATING ELEMENT		3 PHASES + NEUTRAL				
	INTERCONNECTION TERMINAL		CIRCUIT BREAKER SWITCH-DISCONNECTOR				
	WITHDRAWABLE TERMINAL SHORT-CIRCUITABLE ON C.T. SECONDARY CIRCUITS						
	WITHDRAWABLE TERMINAL FOR V.T. SECONDARY CIRCUITS						
	SWITCHBOARD TERMINAL						
	ON - OFF SWITCH						
	SURGE ARRESTER						
	VOLTMETRIC TEST SOCKET						



NOTES

REFERENCES

1) 123A90-DDL-EL-DG-20158: Overall/ Key Single Line Diagram
2) 123A90-DDL-EL-LIS-20016: Electrical Load List & Balance (CCS MODE 'CHARGING')
3) 123A90-DDL-EL-LIS-20167: Electrical Schedule - LV Switchgear
4) 123A90-DDL-EL-DG-20014 - Control, Protection and Metering Diagrams
5) 1723002197-EL-DG-00011: "SG-200N1" LV SWBD 400/230V Electrical Single Line Diagram
6) 1723002197-EL-DG-00012: "SG-200D2" LV SWBD 800V Electrical Single Line Diagram

LEGEND

HOLDS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
2	03.09.24	GPA	LM/AMA	MDO	ACCEPTED FOR CONSTRUCTION (AFC)
1	15.04.24	GPA	LM/AMA	MDO	ACCEPTED FOR CONSTRUCTION (AFC)
0	24.01.24	JAH	CB/AMA	OYFO/MDO	ISSUED FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

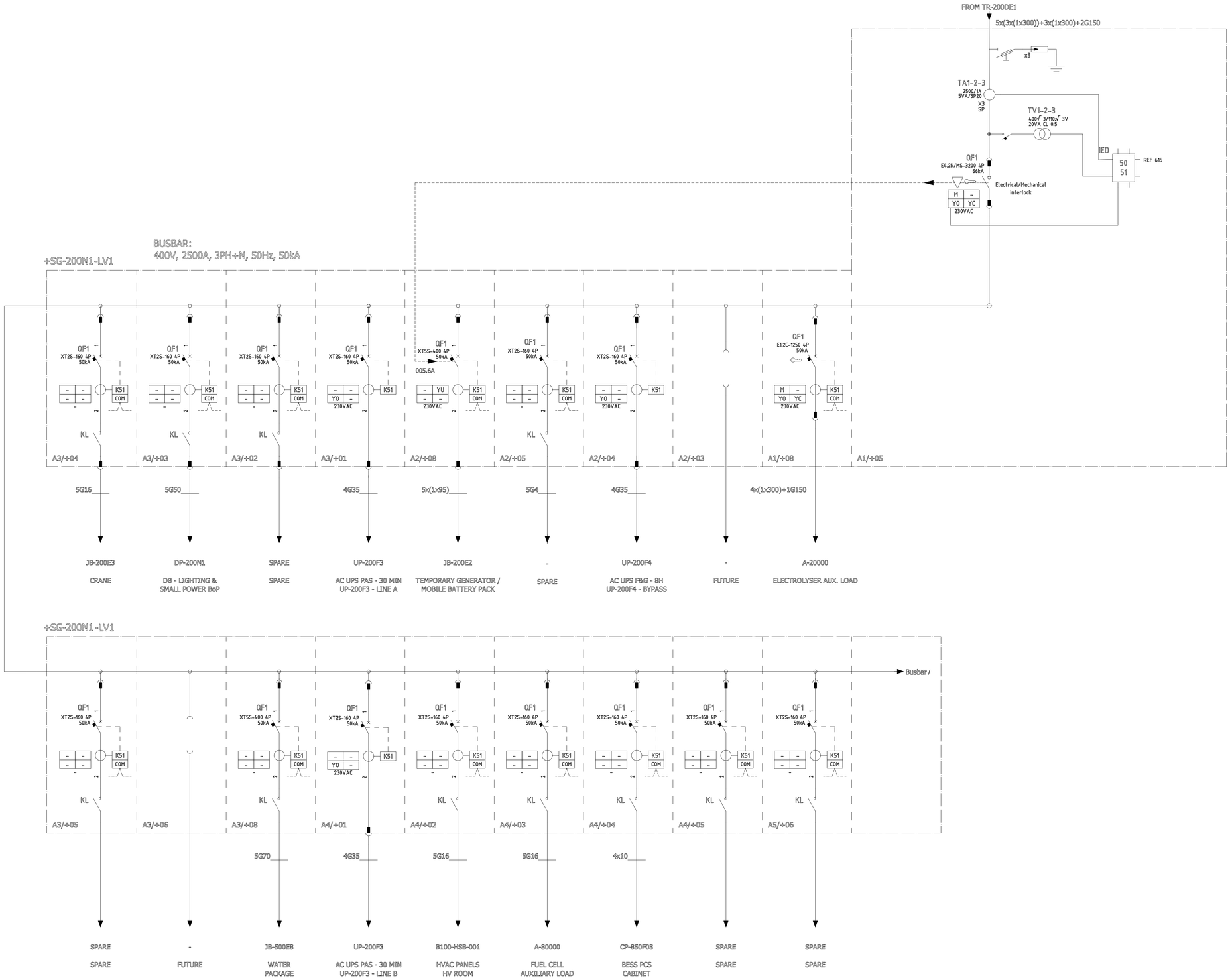
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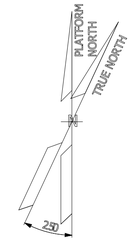
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DRAWN GPA	CHECKED LM/AMA	APPROVED MDO	DATE 11.04.24
A1	DRAWING NO. 123A90-DDL-EL-DG-20159	SHEET 1	REV. 02

File Name : 123A90-DDL-EL-DG-20159 REV.02.dwg

DRAWING NO. 123A90-DDL-EL-DG-20159

REV. 02





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3) 123A90-DDL-EL-LIS-20167: Electrical Schedule - LV Switchgear
4) 123A90-DDL-EL-DG-20014 - Control, Protection and Metering Diagrams
5) 1723002197-EL-DG-00011: "SG-200N1" LV SWBD 400/230V Electrical Single Line Diagram
6) 1723002197-EL-DG-00012: "SG-200D2" LV SWBD 800V Electrical Single Line Diagram

LEGEND

HOLDS

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CROSSWIND

ROSETTI MARINO

TITLE : Electrical Single Line Diagram LV Systems

CONTRACT NO./TITLE	CW-1-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 11:20
DRAWN GPA	CHECKED LM/AMA	APPROVED MDO	DATE 11.04.24
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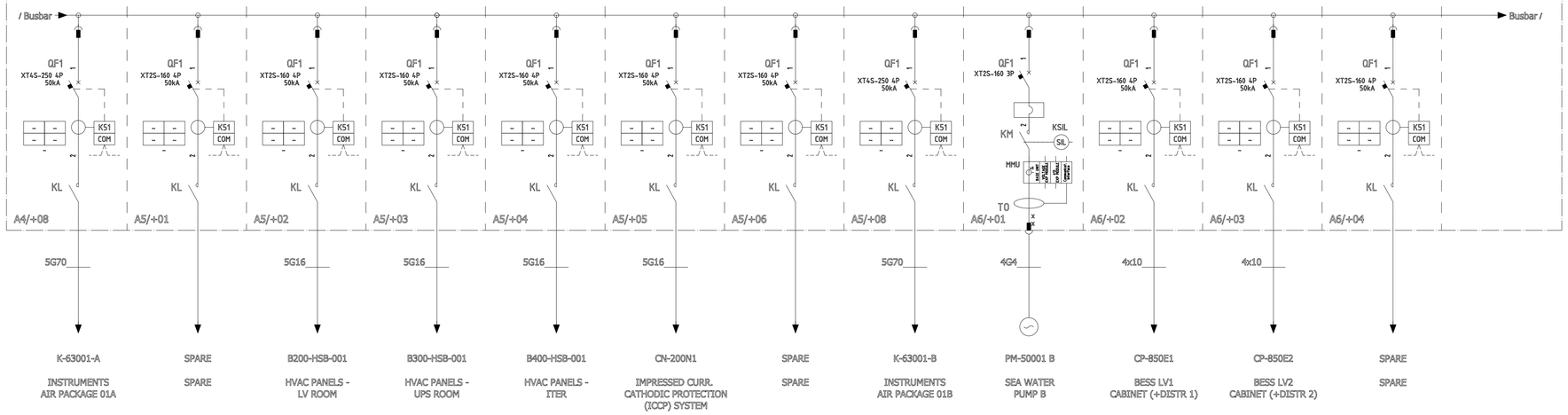
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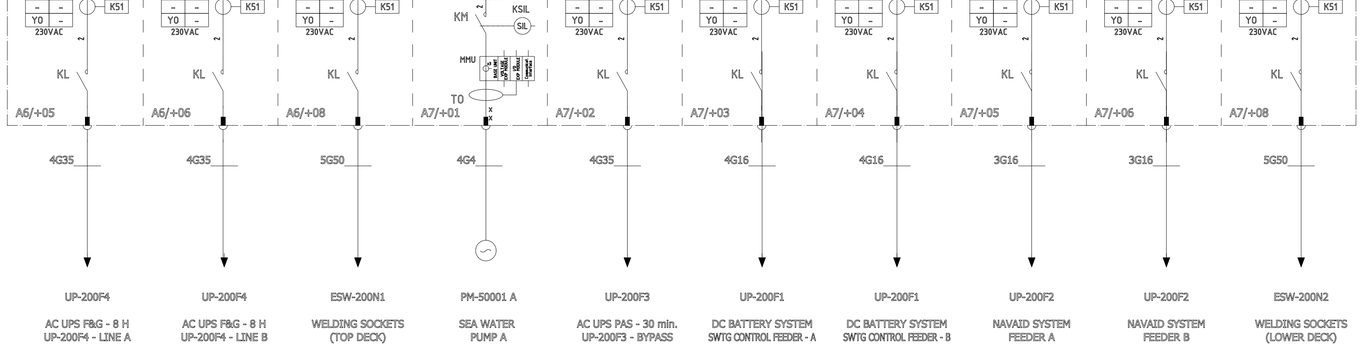
REV. 02

BUSBAR:
400V, 2500A, 3PH+N, 50Hz, 50kA

+SG-200N1 -LV1



+SG-200N1 -LV1

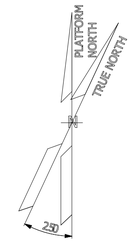


FROM TR-200ED1

BUSBAR:
800V, 630A, 3PH+N, 50Hz, 30kA

+SG-200D2





NOTES

REFERENCES

1) 123A90-DDL-EL-DG-20158: Overall/ Key Single Line Diagram
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3) 123A90-DDL-EL-LIS-20167: Electrical Schedule - LV Switchgear
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LEGEND

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CROSSWIND

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DRAWN GPA	CHECKED LMA/AMA	APPROVED MDO	DATE 11.04.24
A1	DRAWING NO. 123A90-DDL-EL-DG-20159	SHEET 3	REV. 02

File Name : 123A90-DDL-EL-DG-20159 REV.02.dwg