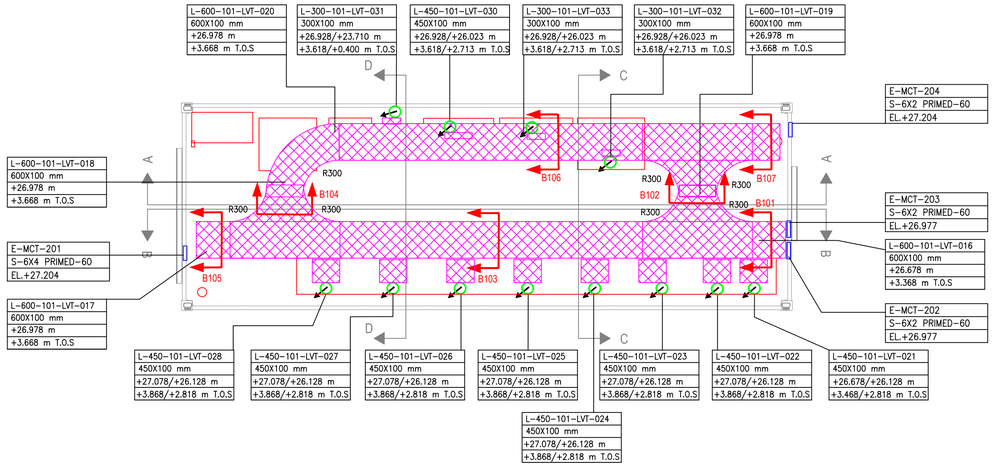
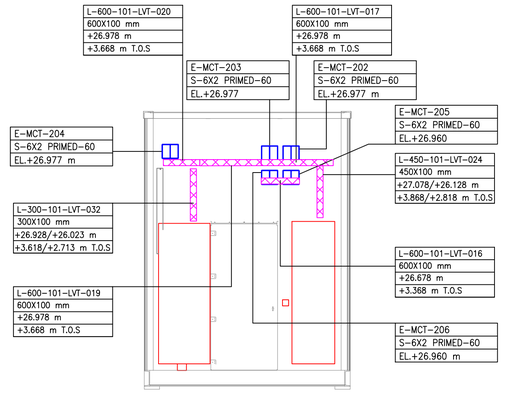
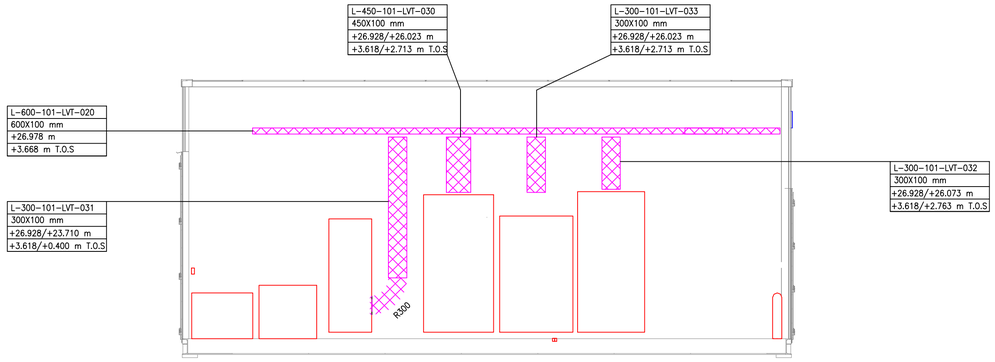
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REV. 02

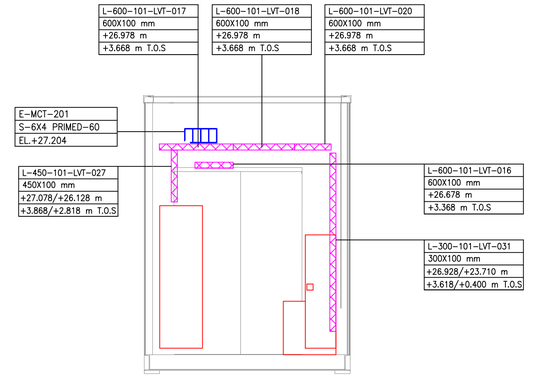




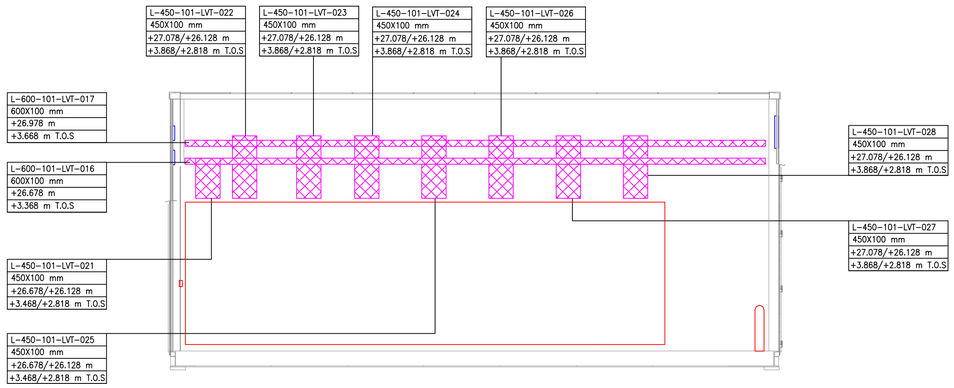
Section C-C



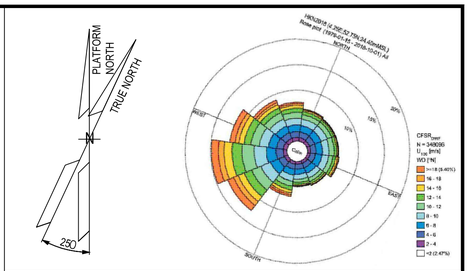
Section A-A



Section D-D



Section B-B



NOTES

1.ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.

2.THIS DRAWING IS VALID ONLY FOR ELECTRICAL CABLE ROUTING LAYOUT.

3.DRAWING SPLIT INTO MULTIPLE SHEETS FOR CLARITY.

4.FOR INSTALLATION DETAIL OF CABLE LADDER REFER TO DOC. 123A90-DDL-EL-DD-20093.

5.FOR LIGHTING AND SOCKET EQUIPMENTS SEE DRAWING 123A90-DDL-EL-DL-20123 AND 1724000049-EL-LIS-00044

6.ELEVATIONS REFER TO T.O.S. (EL+23.310m)

7.FOR PANEL MCTs DETAILS PLEASE REFER TO 123A90-DDL-EL-DL-20115.

LEGEND

ELECTRICAL LV CABLE LADDER

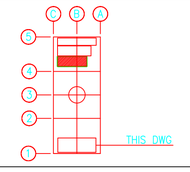
ELECTRICAL CABLE LADDER (VERTICAL DROP)

MCT TAG
TAG
MCT FRAME
ELEVATION

B100
CABLE SECTION

CABLE LADDER TAG
WIDTH X HEIGHT
TAG
SIZE
ELEVATION
ELEVATION IN T.O.S

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

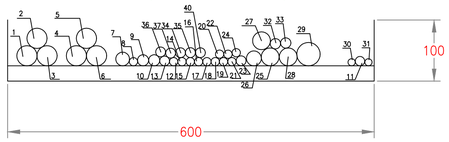
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DRAWN ASR	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20112	SHEET 1of11	REV. 02

File Name : 123A90-DDL-EL-DL-20112

DRAWING NO. 123A90-DDL-EL-DL-20112

REV. 02

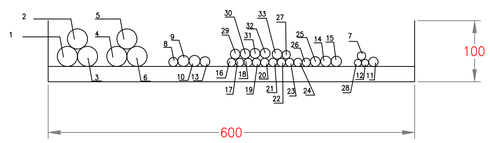
B104 (L-600-101-LVT-018)



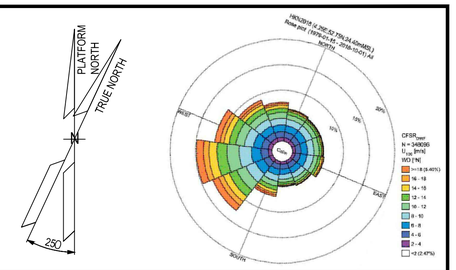
B 104 (L-600-101-LVT-018)

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83002-CEL-L1	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
2	83002-CEL-L2	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
3	83002-CEL-L3	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
4	83003-CEL-L1	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
5	83003-CEL-L2	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
6	83003-CEL-L3	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
7	83027-CEL	Impressed Current Cathodic Protection (ICCP) System	SG-200N1	CN-200N1	POWER CABLE	P4	4G16
8	P-EJB-200N1-04-L3-01	Normal Lighting - Stairs	DP-200N1	EJB-200N1-04-L3-01	POWER CABLE	P4	3G2.5
9	P-ESO-200N1-05-L1-01	Small Power Socket (Upper Deck)	DP-200N1	EJB-200N1-05-L1-01	POWER CABLE	P4	3G10
10	P-ESO-200N1-06-L2-01	Small Power Socket (Lower Deck)	DP-200N1	EJB-200N1-06-L2-01	POWER CABLE	P4	3G10
11	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7C X 1.5
12	83015-CEC	6.6KV HV Switchgear	SG-200D2	SG-100D1	CONTROL CABLE	P7	7C X 1.5
13	P-EJB-200N1-09-L2-01	Emergency Lighting Lower Deck - Circuit No. 1	DP-200N1	EJB-200N1-09-L2-01	POWER CABLE	P4	4G4_E
14	83104-CEL	SIS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-SIS-001	POWER CABLE	P4	3G2.5
15	83105-CEL	PCS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-PCS-001	POWER CABLE	P4	3G2.5
16	83106-CEL	EMCS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-EMCS-001	POWER CABLE	P4	3G2.5
17	83107-CEL	FGS Fire & Gas Panel - Auxiliary	DP-200N1	B400-FGS-001	POWER CABLE	P4	3G2.5
18	83108-CEL	System Server / Network Cabinet - Auxiliary	DP-200N1	B400-NET-001	POWER CABLE	P4	3G2.5
19	83109-CEL	Server cabiner ITER - Auxiliary	DP-200N1	B400-SRV-001	POWER CABLE	P4	3G2.5
20	83110-CEL	UCP - Instrument Air Package -A-63000 - Auxiliary	DP-200N1	CP-630E1	POWER CABLE	P4	3G2.5
21	83111-CEL	UCP - N2 Package - Auxiliary	DP-200N1	CP-640E1	POWER CABLE	P4	3G2.5
22	83117-CEL	Auxiliary Trafo SOLAR 0,5MVA	DP-200N1	CP-200E2	POWER CABLE	P4	3G2.5
23	83118-CEL	Auxiliary GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
24	83119-CEL	Auxiliary 6.6kV Switchboard	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
25	83024-CEL	DISTRIBUTION & HVAC panel - LV Room	SG-200N1	B200-HSB-001	POWER CABLE	P4	5G16
26	83028-CEL	AC UPS PAS - 30min - Line A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
27	83032-CEL	AC UPS F&G - 8h - Line B	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
28	83033-CEL	AC UPS F&G - 8h - Bypass	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
29	83043-CEL	DB - Lighting & Small Power - BoP	SG-200N1	DP-200N1	POWER CABLE	P4	5G50
30	5W2.1	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	CONTROL CABLE	C1	2CX2.5
31	6W2.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	CONTROL CABLE	C1	2CX2.5
32	7WD3	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	POWER CABLE	C2	1CX70
33	7WD6.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	POWER CABLE	C2	1CX70
34	P-ETB-200N1-19-L3-01	TRACE HEATING - PROCESS LINES - FEEDER 6 (H2 VENT)	DP-200N1	ETB-200N1-19-L3-01	POWER CABLE	P4	3G6
35	P-ETB-200N1-20-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 7 (SEA WATER PUMPS)	DP-200N1	ETB-200N1-20-L1-01	POWER CABLE	P4	3G6
36	P-EJB-200N1-17-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 4 (WW LINES) Cold JB	DP-200N1	EJB-200N1-17-L1-01	POWER CABLE	P4	3G6
37	P-ETB-200N1-18-L2-01	TRACE HEATING - PROCESS LINES - FEEDER 5 (VESSEL KO DRUM)	DP-200N1	ETB-200N1-18-L2-01	POWER CABLE	P4	3G6

L-600-101-LVT-020 VIA-E-MCT-201



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83002-CEL-L1	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
2	83002-CEL-L2	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
3	83002-CEL-L3	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
4	83003-CEL-L1	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
5	83003-CEL-L2	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
6	83003-CEL-L3	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
7	83015-CEC	6.6KV HV Switchgear	SG-200D2	SG-100D1	CONTROL CABLE	P7	7C X 1.5
8	P-EJB-200N1-04-L3-01	Normal Lighting - Stairs	DP-200N1	EJB-200N1-04-L3-01	POWER CABLE	P4	3G4
9	P-ESO-200N1-05-L1-01	Small Power Socket (Upper Deck)	DP-200N1	EJB-200N1-05-L1-01	POWER CABLE	P4	3G10
10	P-ESO-200N1-06-L2-01	Small Power Socket (Lower Deck)	DP-200N1	EJB-200N1-06-L2-01	POWER CABLE	P4	3G10
11	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7C X 1.5
12	6W2.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	CONTROL CABLE	C1	2CX2.5
13	P-EJB-200N1-09-L2-01	Emergency Lighting Lower Deck	DP-200N1	EJB-200N1-09-L2-01	POWER CABLE	P4	4G4_E
14	7WD3	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	POWER CABLE	C2	1CX70
15	7WD6.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	POWER CABLE	C2	1CX70
16	83104-CEL	SIS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-SIS-001	POWER CABLE	P4	3G2.5
17	83105-CEL	PCS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-PCS-001	POWER CABLE	P4	3G2.5
18	83106-CEL	EMCS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-EMCS-001	POWER CABLE	P4	3G2.5
19	83107-CEL	FGS Fire & Gas Panel - Auxiliary	DP-200N1	B400-FGS-001	POWER CABLE	P4	3G2.5
20	83108-CEL	System Server / Network Cabinet - Auxiliary	DP-200N1	B400-NET-001	POWER CABLE	P4	3G2.5
21	83109-CEL	Server cabiner ITER - Auxiliary	DP-200N1	B400-SRV-001	POWER CABLE	P4	3G2.5
22	83110-CEL	UCP - Instrument Air Package -A-63000 - Auxiliary	DP-200N1	CP-630E1	POWER CABLE	P4	3G2.5
23	83111-CEL	UCP - N2 Package - Auxiliary	DP-200N1	CP-640E1	POWER CABLE	P4	3G2.5
24	83117-CEL	Auxiliary Trafo SOLAR 0,5MVA	DP-200N1	CP-200E2	POWER CABLE	P4	3G2.5
25	83118-CEL	Auxiliary GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
26	83119-CEL	Auxiliary 6.6kV Switchboard	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
27	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	CONTROL CABLE	P4	3G2.5
28	5W2.1	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	CONTROL CABLE	C1	2CX2.5
29	P-EJB-200N1-10-L3-01	Emergency Lighting Stairs	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E
30	P-EJB-200N1-17-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 4 (WW LINES) Cold JB	DP-200N1	EJB-200N1-17-L1-01	POWER CABLE	P4	3G6
31	P-ETB-200N1-18-L2-01	TRACE HEATING - PROCESS LINES - FEEDER 5 (VESSEL KO DRUM)	DP-200N1	ETB-200N1-18-L2-01	POWER CABLE	P4	3G6
32	P-ETB-200N1-19-L3-01	TRACE HEATING - PROCESS LINES - FEEDER 6 (H2 VENT)	DP-200N1	ETB-200N1-19-L3-01	POWER CABLE	P4	3G6
33	P-ETB-200N1-20-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 7 (SEA WATER PUMPS)	DP-200N1	ETB-200N1-20-L1-01	POWER CABLE	P4	3G6



NOTES

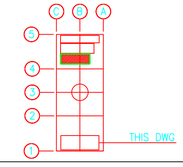
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

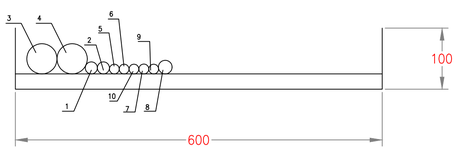
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DRAWN ASR	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20112	SHEET 2of11	REV. 02

File Name : 123A90-DDL-EL-DL-20112

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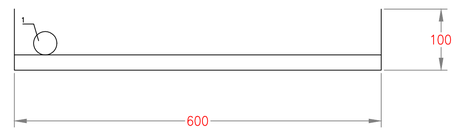
REV. 02

L-600-101-LVT-016 VIA-E-MCT-201



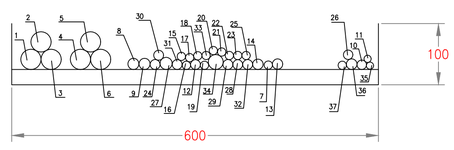
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83014-CEL	BESS LV1 Cabinet (+DISTR 1)	SG-200N1	CP-850E1	POWER	P4	4C X 10
2	83015-CEL	BESS LV2 Cabinet (+DISTR 2)	SG-200N1	CP-850E2	POWER	P4	4C X 10
3	83017-CEL-1	Instrument Air Package	SG-200N1	K-63001-A	POWER	P4	5G70
4	83017-CEL-2	Instrument Air Package	SG-200N1	K-63001-B	POWER	P4	5G70
5	83018-CEL	Sea water intake pump A	SG-200N1	PM-50001 A	POWER	P4	4G4
6	83019-CEL	Sea water intake pump B	SG-200N1	PM-50001 B	POWER	P4	4G4
7	83034-CEL	DC Battery System - Switchgears Control - Feeder A	SG-200N1	UP-200F1	POWER	P4	4G16
8	83035-CEL	DC Battery System - Switchgears Control - Feeder B	SG-200N1	UP-200F1	POWER	P4	4G16
9	83036-CEL	DC UPS NAVAID System - Feeder A	SG-200N1	UP-200F2	POWER	P5	3G16
10	83037-CEL	DC UPS NAVAID System - Feeder B	SG-200N1	UP-200F2	POWER	P5	3G16

L-600-101-LVT-016 VIA-E-MCT-202

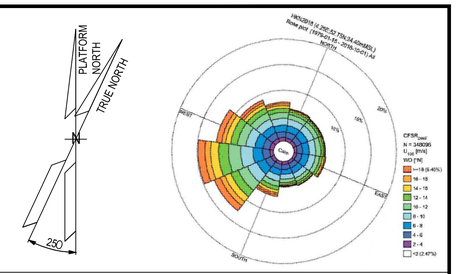


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83022-CEL-01	Welding Sockets (Lower Deck)	SG-200N1	JB-200E4	POWER CABLE	P4	5G50

L-600-101-LVT-017 VIA-E-MCT-201



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83002-CEL-L1	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
2	83002-CEL-L2	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
3	83002-CEL-L3	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
4	83003-CEL-L1	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
5	83003-CEL-L2	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
6	83003-CEL-L3	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
7	P-EJB-200N1-04-L3-01	Normal Lighting - Stairs	DP-200N1	EJB-200N1-04-L3-01	POWER CABLE	P4	3G2.5
8	P-ESO-200N1-05-L1-01	Small Power Socket (Upper Deck)	DP-200N1	EJB-200N1-05-L1-01	POWER CABLE	P4	3G10
9	P-ESO-200N1-06-L2-01	Small Power Socket (Lower Deck)	DP-200N1	EJB-200N1-06-L2-01	POWER CABLE	P4	3G10
10	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7C X 1.5
11	6W2.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	CONTROL CABLE	C1	2CX2.5
12	P-EJB-200N1-09-L2-01	Emergency Lighting Lower Deck - Circuit No. 1	DP-200N1	EJB-200N1-09-L2-01	POWER CABLE	P4	4G4_E
13	7WD3	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	POWER CABLE	C2	1CX70
14	7WD6.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	POWER CABLE	C2	1CX70
15	83104-CEL	SIS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-SIS-001	POWER CABLE	P4	3G2.5
16	83105-CEL	PCS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-PCS-001	POWER CABLE	P4	3G2.5
17	83106-CEL	EMCS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-EMCS-001	POWER CABLE	P4	3G2.5
18	83107-CEL	FGS Fire & Gas Panel - Auxiliary	DP-200N1	B400-FGS-001	POWER CABLE	P4	3G2.5
19	83108-CEL	System Server / Network Cabinet - Auxiliary	DP-200N1	B400-NET-001	POWER CABLE	P4	3G2.5
20	83109-CEL	Server cabiner ITER - Auxiliary	DP-200N1	B400-SRV-001	POWER CABLE	P4	3G2.5
21	83110-CEL	UCP - Instrument Air Package -A-63000 - Auxiliary	DP-200N1	CP-630E1	POWER CABLE	P4	3G2.5
22	83111-CEL	UCP - N2 Package - Auxiliary	DP-200N1	CP-640E1	POWER CABLE	P4	3G2.5
23	83117-CEL	Auxiliary Trafo SOLAR 0,5MVA	DP-200N1	CP-200E2	POWER CABLE	P4	3G2.5
24	83118-CEL	Auxiliary GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
25	83119-CEL	Auxiliary 6.6kV Switchboard	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
26	82013-CEC	LV Switchgear	SG-100D1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
27	83011-CEL	BESS PCS Cabinet	SG-200N1	CP-850F3	POWER CABLE	P4	4C X 10
28	P-EJB-200N1-10-L3-01	Emergency Lighting stairs	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E
29	P-ETB-200N1-18-L2-01	TRACE HEATING - PROCESS LINES - FEEDER 5 (VESSEL KO DRUM)	DP-200N1	ETB-200N1-18-L2-01	POWER CABLE	P4	3G6
30	P-ETB-200N1-19-L3-01	TRACE HEATING - PROCESS LINES - FEEDER 6 (H2 VENT)	DP-200N1	ETB-200N1-19-L3-01	POWER CABLE	P7	3G6
31	P-ETB-200N1-20-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 7 (SEA WATER PUMPS)	DP-200N1	ETB-200N1-20-L1-01	POWER CABLE	P7	3G6
32	P-EJB-200N1-17-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 4 (WW LINES) Cold JB	DP-200N1	EJB-200N1-17-L1-01	POWER CABLE	P4	3G6
33	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
34	83023-CEL	DISTRIBUTION & HVAC Panel - HV Room	SG-200N1	B100-HSB-001	POWER CABLE	P4	5G16
35	5W2.1	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	CONTROL CABLE	C1	2CX2.5
36	82013-CEC	LV Switchgear	SG-100D1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
37	83015-CEC	6.6KV HV Switchgear	SG-200D2	SG-100D1	CONTROL CABLE	P7	7C X 1.5



NOTES

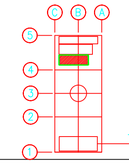
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

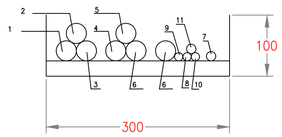
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A1	DRAWING NO. 123A90-DDL-EL-DL-20112	SHEET 3of11	REV. 02

File Name : 123A90-DDL-EL-DL-20112

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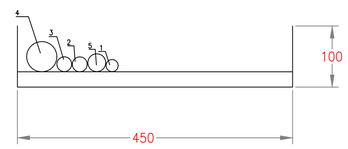
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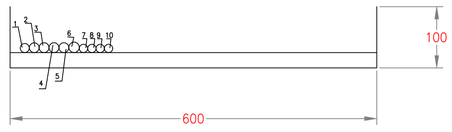
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83002-CEL-L1	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
2	83002-CEL-L2	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
3	83002-CEL-L3	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
4	83003-CEL-L1	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
5	83003-CEL-L2	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
6	83003-CEL-L3	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
7	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7C X 1.5
8	84319-CEL	LV SWBD 800/460V Auxiliary	DP-200F3	SG-200D2	POWER CABLE	P5	3G2.5
9	83121-CEL	Auxiliary LV SWBD 800/460V	DP-200N1	SG-200D2	POWER CABLE	P4	3G2.5
10	83015-CEC	6.6KV HV Switchgear	SG-200D2	SG-100D1	CONTROL CABLE	P7	7C X 1.5
11	83016-CEC	LV Switchgear	SG-200D2	SG-200N1	CONTROL CABLE	P7	7C X 1.5

L-450-101-LVT-025



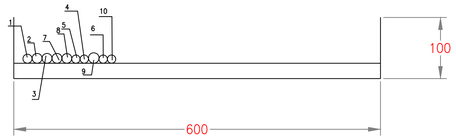
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83011-CEL	BESS PCS Cabinet	SG-200N1	CP-850F3	POWER CABLE	P4	4C X 10
2	83012-CEL	Fuel Cell Auxiliary Load	SG-200N1	A-80000	POWER CABLE	P4	5G16
3	83023-CEL	DISTRIBUTION & HVAC Panel – HV Room	SG-200N1	B100-HSB-001	POWER CABLE	P4	5G16
4	83017-CEL-1	Instrument Air Package	SG-200N1	K-63001A	POWER CABLE	P4	5G70
5	83029-CEL	AC UPS PAS – 30min – Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35

L-600-101-LVT-019 VIA-E-MCT-203



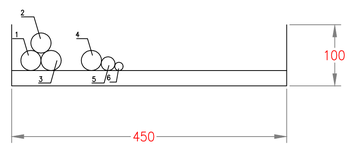
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-02-L1-01	Normal Lighting Upper Deck	DP-200N1	EJB-200N1-02-L1-01	POWER CABLE	P4	3G4
2	P-EJB-200N1-08-L1-04	Emergency Lighting Upper Deck	DP-200N1	EJB-200N1-08-L1-04	POWER CABLE	P4	4G4_E
3	P-EJB-200N1-14-L1-01	TRACE HEATING – PROCESS LINES – FEEDER 1 (SWS LINES) Cold JB	DP-200N1	EJB-200N1-14-L1-01	POWER CABLE	P4	3G6
4	P-EJB-200N1-15-L2-01	TRACE HEATING – PROCESS LINES – FEEDER 2 (CI LINES) Cold JB	DP-200N1	EJB-200N1-15-L2-01	POWER CABLE	P4	3G6
5	P-ETB-200N1-16-L3-01	TRACE HEATING – PROCESS LINES – FEEDER 3 (DM LINE)	DP-200N1	ETB-200N1-16-L3-01	POWER CABLE	P4	3G6
6	83112-CEL	Auxiliary Trafo OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
7	83113-CEL	Auxiliary Trafo AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5
8	83114-CEL	Auxiliary Trafo 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
9	83115-CEL	Auxiliary NER	DP-200N1	RR-100D1	POWER CABLE	P4	3G2.5
10	83116-CEL	Auxiliary Trafo 1,6MVA	DP-200N1	CP-200E1	POWER CABLE	P4	3G2.5

L-600-101-LVT-020 VIA-E-MCT-203



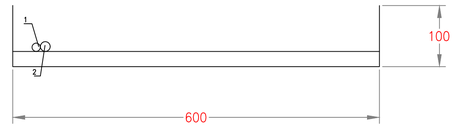
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-02-L1-01	Normal Lighting Upper Deck	DP-200N1	EJB-200N1-02-L1-01	POWER CABLE	P4	3G4
2	P-EJB-200N1-14-L1-01	TRACE HEATING – PROCESS LINES – FEEDER 1 (SWS LINES) Cold JB	DP-200N1	EJB-200N1-14-L1-01	POWER CABLE	P4	3G6
3	P-EJB-200N1-15-L2-01	TRACE HEATING – PROCESS LINES – FEEDER 2 (CI LINES) Cold JB	DP-200N1	EJB-200N1-15-L2-01	POWER CABLE	P4	3G6
4	83114-CEL	Auxiliary Trafo 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
5	83115-CEL	Auxiliary NER	DP-200N1	RR-100D1	POWER CABLE	P4	3G2.5
6	83116-CEL	Auxiliary Trafo 1,6MVA	DP-200N1	CP-200E1	POWER CABLE	P4	3G2.5
7	P-ETB-200N1-16-L3-01	TRACE HEATING – PROCESS LINES – FEEDER 3 (DM LINE)	DP-200N1	ETB-200N1-16-L3-01	POWER CABLE	P4	3G6
8	P-EJB-200N1-08-L1-04	Emergency Lighting Upper Deck	DP-200N1	EJB-200N1-08-L1-04	POWER CABLE	P4	4G4_E
9	83112-CEL	Auxiliary Trafo OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
10	83113-CEL	Auxiliary Trafo AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5

L-450-101-LVT-022

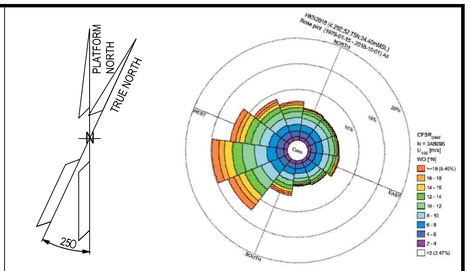


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83013-CEL-L1	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
2	83013-CEL-L2	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
3	83013-CEL-L3	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
4	83013-CEL-N	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
5	83013-CEL-E	Electrolyser Auxiliary load	SG-200N1	A-20000	PE CABLE	P4	1C X 150
6	84318-CEL	LV Switchboard Auxiliary	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5

L-600-101-LVT-019 VIA-E-MCT-201



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
2	P-EJB-200N1-10-L3-01	Emergency Lighting stairs	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E



NOTES

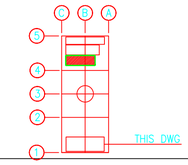
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

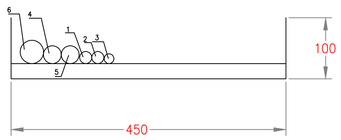
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN ASR	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20112	SHEET 4of11	REV. 02

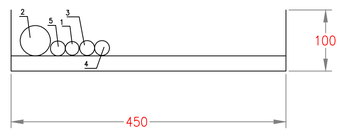
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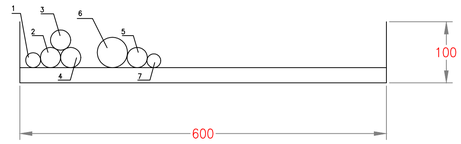
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83014-CEL	BESS LV1 Cabinet (+DISTR 1)	SG-200N1	CP-850E1	POWER CABLE	P4	4C X 10
2	83015-CEL	BESS LV1 Cabinet (+DISTR 2)	SG-200N1	CP-850E2	POWER CABLE	P4	4C X 10
3	83019-CEL	Sea water intake pump B	SG-200N1	PM-50001 B	POWER CABLE	P4	4G4
4	83032-CEL	AC UPS F&G - 8h - Line B	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
5	83033-CEL	AC UPS F&G - 8h - Line Bypass	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
6	83021-CEL-01	Welding Sockets (Top Deck)	SG-200N1	JB-200E6	POWER CABLE	P4	5G50

L-450-101-LVT-026



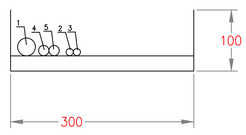
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83027-CEL	Impressed Current Cathodic Protection (ICCP) System	SG-200N1	CN-200N1	POWER CABLE	P4	5G16
2	83017-CEL-2	Instrument Air Package	SG-200N1	K-63001B	POWER CABLE	P4	5G70
3	83025-CEL	DISTRIBUTION & HVAC panel - UPS Room	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
4	83026-CEL	DISTRIBUTION & HVAC panel - ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
5	83024-CEL	DISTRIBUTION & HVAC Panel - LV Room	SG-200N1	B200-HSB-001	POWER CABLE	P4	5G16

L-600-101-LVT-017 VIA-E-MCT-202

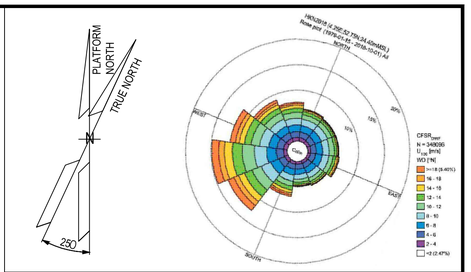


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83012-CEL	Fuel Cell Auxiliary Load	SG-200N1	A-80000	POWER CABLE	P4	5G16
2	83013-CEL-L1	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
3	83013-CEL-L2	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
4	83013-CEL-L3	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
5	83013-CEL-N	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
6	83016-CEL	Water Package	SG-200N1	JB-500E8	POWER CABLE	P4	5G70
7	83013-CEL-E	Electrolyser Auxiliary load	SG-200N1	A-20000	PE CABLE	P4	1C X 150

L-300-101-LVT-031



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83027-CEL	Impressed Current Cathodic Protection (ICCP) System	SG-200N1	CN-200N1	POWER CABLE	P4	5G16
2	5W2.1	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	CONTROL CABLE	C1	2CX2.5
3	6W2.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	CONTROL CABLE	C1	2CX2.5
4	7WD3	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	POWER CABLE	C2	1CX70
5	7WD6.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	POWER CABLE	C2	1CX70



NOTES

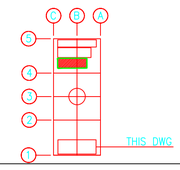
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

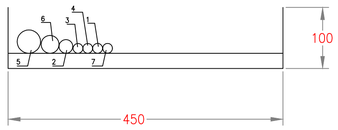
TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN ASR	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20112	SHEET 5of11	REV. 02

File Name : 123A90-DDL-EL-DL-20112

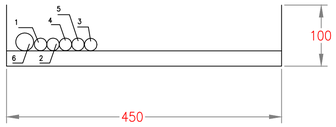
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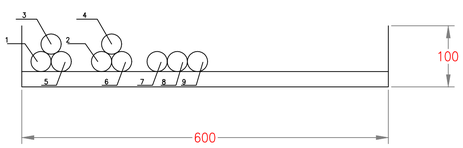
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83034-CEL	DC Battery System – Switchgears Control – Feeder A	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
2	83035-CEL	DC Battery System – Switchgears Control – Feeder B	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
3	83036-CEL	DC UPS NAVAID System – Feeder A	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
4	83037-CEL	DC UPS NAVAID System – Feeder B	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
5	83022-CEL-01	Welding Sockets (Lower Deck)	SG-200N1	JB-200E4	POWER CABLE	P4	5G50
6	83028-CEL	AC UPS PAS – 30min – Line A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
7	83018-CEL	Sea water intake pump A	SG-200N1	PM-50001 A	POWER CABLE	P4	4G4

L-450-101-LVT-023



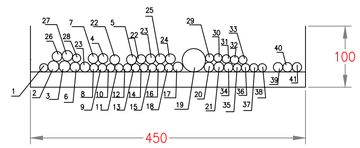
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83010-CEL-L1	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
2	83010-CEL-L2	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
3	83010-CEL-L3	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
4	83010-CEL-N	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
5	83010-CEL-PE	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P6	1C X 95
6	83031-CEL	AC UPS F&G – 8h – Line A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35

L-600-101-LVT-016 VIA-E-MCT-206

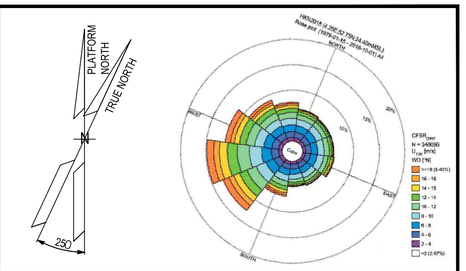


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83001-CEL-4-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
2	83001-CEL-5-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
3	83001-CEL-4-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
4	83001-CEL-5-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
5	83001-CEL-4-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
6	83001-CEL-5-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
7	83001-CEL-1-N	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
8	83001-CEL-2-N	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
9	83001-CEL-3-N	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300

L-450-101-LVT-030



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-04-L3-01	Normal Lighting – Stairs	DP-200N1	EJB-200N1-04-L3-01	POWER CABLE	P4	3G4
2	P-ESO-200N1-05-L1-01	Small Power Socket (Upper Deck)	DP-200N1	EJB-200N1-05-L1-01	POWER CABLE	P4	3G10
3	P-ESO-200N1-06-L2-01	Small Power Socket (Lower Deck)	DP-200N1	EJB-200N1-06-L2-01	POWER CABLE	P4	3G10
4	P-ETB-200N1-20-L1-01	TRACE HEATING – PROCESS LINES – FEEDER 7 (SEA WATER PUMPS)	DP-200N1	ETB-200N1-19-L3-01	POWER CABLE	P7	3G6
5	P-ETB-200N1-18-L2-01	TRACE HEATING – PROCESS LINES – FEEDER 5 (VESSEL KO DRUM)	DP-200N1	ETB-200N1-18-L2-01	POWER CABLE	P4	3G6
6	P-EJB-200N1-09-L2-01	Emergency Lighting Lower Deck – Circuit No. 1	DP-200N1	EJB-200N1-09-L2-01	POWER CABLE	P4	4G4_E
7	P-ETB-200N1-19-L3-01	TRACE HEATING – PROCESS LINES – FEEDER 6 (H2 VENT)	DP-200N1	ETB-200N1-20-L1-01	POWER CABLE	P7	3G6
8	83104-CEL	SIS –Controller and I/O Cabinet – Auxiliary	DP-200N1	B400-SIS-001	POWER CABLE	P4	3G2.5
9	83105-CEL	PCS –Controller and I/O Cabinet – Auxiliary	DP-200N1	B400-PCS-001	POWER CABLE	P4	3G2.5
10	83106-CEL	EMCS –Controller and I/O Cabinet – Auxiliary	DP-200N1	B400-EMCS-001	POWER CABLE	P4	3G2.5
11	83107-CEL	FGS Fire & Gas Panel – Auxiliary	DP-200N1	B400-FGS-001	POWER CABLE	P4	3G2.5
12	83108-CEL	System Server / Network Cabinet – Auxiliary	DP-200N1	B400-NET-001	POWER CABLE	P4	3G2.5
13	83109-CEL	Server cabiner ITER – Auxiliary	DP-200N1	B400-SRV-001	POWER CABLE	P4	3G2.5
14	83110-CEL	UCP – Instrument Air Package –A–63000 – Auxiliary	DP-200N1	CP-630E1	POWER CABLE	P4	3G2.5
15	83111-CEL	UCP – N2 Package – Auxiliary	DP-200N1	CP-640E1	POWER CABLE	P4	3G2.5
16	83117-CEL	Auxiliary Trafo SOLAR 0,5MVA	DP-200N1	CP-200E2	POWER CABLE	P4	3G2.5
17	83118-CEL	Auxiliary GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
18	83119-CEL	Auxiliary 6.6kV Switchboard	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
19	83043-CEL	DB – Lighting & Small Power – BoP	SG-200N1	DP-200N1	POWER CABLE	P4	5G50
20	P-EJB-200N1-10-L3-01	Emergency Lighting Stairs	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E
21	P-EJB-200N1-17-L1-01	TRACE HEATING – PROCESS LINES – FEEDER 4 (WW LINES) Cold JB	DP-200N1	EJB-200N1-17-L1-01	POWER CABLE	P4	3G6
22	P-EJB-200N1-02-L1-01	Normal Lighting Upper Deck	DP-200N1	EJB-200N1-02-L1-01	POWER CABLE	P4	3G4
23	P-EJB-200N1-08-L1-04	Emergency Lighting Upper Deck	DP-200N1	EJB-200N1-08-L1-04	POWER CABLE	P4	4G4_E
24	P-EJB-200N1-14-L1-01	TRACE HEATING – PROCESS LINES – FEEDER 1 (SWS LINES) Cold JB	DP-200N1	EJB-200N1-14-L1-01	POWER CABLE	P4	3G6
25	P-EJB-200N1-15-L2-01	TRACE HEATING – PROCESS LINES – FEEDER 2 (CI LINES) Cold JB	DP-200N1	EJB-200N1-15-L2-01	POWER CABLE	P4	3G6
26	P-ETB-200N1-16-L3-01	TRACE HEATING – PROCESS LINES – FEEDER 3 (DM LINE)	DP-200N1	ETB-200N1-16-L3-01	POWER CABLE	P4	3G6
27	83112-CEL	Auxiliary Trafo OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
28	83113-CEL	Auxiliary Trafo AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5
29	83114-CEL	Auxiliary Trafo 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
30	83115-CEL	Auxiliary NER	DP-200N1	RR-100D1	POWER CABLE	P4	3G2.5
31	83116-CEL	Auxiliary Trafo 1,6MVA	DP-200N1	CP-200E1	POWER CABLE	P4	3G2.5
32	83120-CEL	Auxiliary LV	DP-200N1	SG-200N1	POWER CABLE	P4	3G2.5
33	83121-CEL	Auxiliary LV SWBD 800/460V	DP-200N1	SG-200D2	POWER CABLE	P4	3G2.5
34	P-EJB-200N1-03-L2-01	Normal Lighting Lower Deck – Circuit No. 1	DP-200N1	EJB-200N1-03-L2-01	POWER CABLE	P4	3G4
35	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5
36	83123-CEL	AC UPS F&G AUXILIARY	DP-200N1	UP-200F4	POWER CABLE	P4	3G2.5
37	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
38	P-EPH-200N1-01	Twilight Relay Sensor	DP-200N1	EPH-200N1-01	POWER CABLE	P5	3G4
39	83125-CEC	LV Switchgear	DP-200N1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
40	83126-CEC	LV Switchgear	DP-200N1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
41	83127-CEC	LV Switchgear	DP-200N1	SG-200N1	CONTROL CABLE	P7	7C X 1.5



NOTES

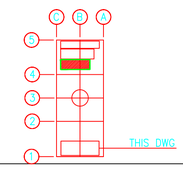
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

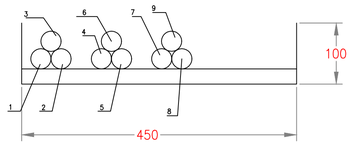
TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN ASR	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
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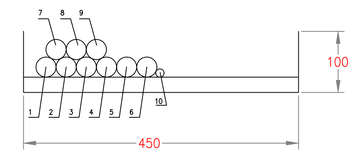
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L-450-101-LVT-021 VIA E-MCT-205



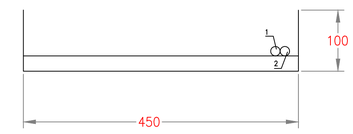
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83001-CEL-1-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
2	83001-CEL-2-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
3	83001-CEL-3-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
4	83001-CEL-1-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
5	83001-CEL-2-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
6	83001-CEL-3-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
7	83001-CEL-1-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
8	83001-CEL-2-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
9	83001-CEL-3-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300

L-450-101-LVT-021 VIA E-MCT-206



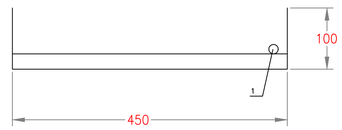
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83001-CEL-4-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
2	83001-CEL-5-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
3	83001-CEL-4-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
4	83001-CEL-5-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
5	83001-CEL-4-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
6	83001-CEL-5-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
7	83001-CEL-1-N	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
8	83001-CEL-2-N	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
9	83001-CEL-3-N	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300

L-450-101-LVT-021 VIA E-MCT-203



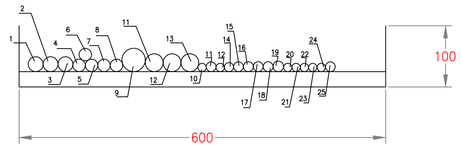
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83005-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
2	83006-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5

L-450-101-LVT-021 VIA E-MCT-201

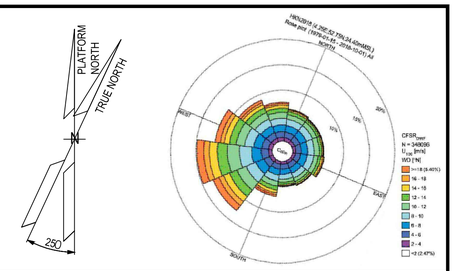


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82013-CEC	LV Switchgear	SG-100D1	SG-200N1	CONTROL CABLE	P7	7C X 1.5

B 102 (L-600-101-LVT-019)



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83020-CEL	Crane	SG-200N1	JB-200E3	POWER CABLE	P4	5G16
2	83025-CEL	HVAC panel – UPS Room	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
3	83026-CEL	HVAC panel – ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
4	83010-CEL-L1	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
5	83010-CEL-L2	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
6	83010-CEL-L3	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
7	83010-CEL-N	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
8	83010-CEL-PE	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P6	1C X 95
9	83021-CEL-01	Welding Sockets (Top Deck) JB's	SG-200N1	JB-200E6	POWER CABLE	P4	5G50
10	84318-CEL	LV Switchboard Auxiliary	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5
11	83029-CEL	AC UPS PAS – 30min – Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
12	83030-CEL	AC UPS PAS – 30min – Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
13	83031-CEL	AC UPS F&G – 8h – Line A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
14	P-EJB-200N1-02-L1-01	Normal Lighting Upper Deck	DP-200N1	EJB-200N1-02-L1-01	POWER CABLE	P4	3G4
15	P-EJB-200N1-08-L1-04	Emergency Lighting Upper Deck	DP-200N1	EJB-200N1-08-L1-04	POWER CABLE	P4	4G4_E
16	P-EJB-200N1-14-L1-01	TRACE HEATING – PROCESS LINES – FEEDER 1 (SWS LINES) Cold JB	DP-200N1	EJB-200N1-14-L1-01	POWER CABLE	P4	3G6
17	P-EJB-200N1-15-L2-01	TRACE HEATING – PROCESS LINES – FEEDER 2 (CI LINES) Cold JB	DP-200N1	EJB-200N1-15-L2-01	POWER CABLE	P4	3G6
18	P-ETB-200N1-16-L3-01	TRACE HEATING – PROCESS LINES – FEEDER 3 (DM LINE)	DP-200N1	ETB-200N1-16-L3-01	POWER CABLE	P4	3G6
19	83112-CEL	Auxiliary Trafo OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
20	83113-CEL	Auxiliary Trafo AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5
21	83114-CEL	Auxiliary Trafo 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
22	83115-CEL	Auxiliary NER	DP-200N1	RR-100D1	POWER CABLE	P4	3G2.5
23	83116-CEL	Auxiliary Trafo 1,6MVA	DP-200N1	CP-200E1	POWER CABLE	P4	3G2.5
24	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
25	P-EJB-200N1-10-L3-01	Emergency Lighting stairs	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E



NOTES

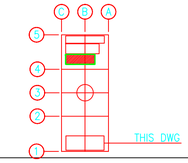
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CCI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

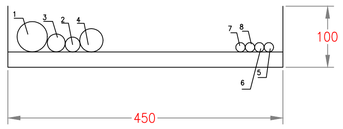
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN ASR	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20112	SHEET 7of11	REV. 02

File Name : 123A90-DDL-EL-DL-20112

DRAWING NO. 123A90-DDL-EL-DL-20112

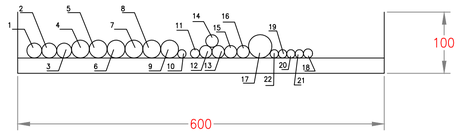
REV. 02

L-450-101-LVT-024



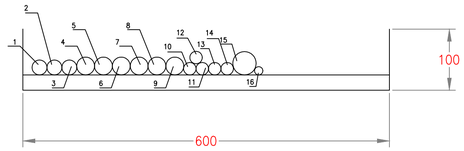
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83016-CEL	Water Package	SG-200N1	JB-500E8	POWER CABLE	P4	5G70
2	83020-CEL	Crane	SG-200N1	JB-200E3	POWER CABLE	P4	5G16
3	83030-CEL	AC UPS PAS - 30min - Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
4	83043-CEL	DB - Lighting & Small Power - BoP	SG-200N1	DP-200N1	POWER CABLE	P4	5G50
5	83016-CEC	LV Switchgear	SG-200D2	SG-200N1	CONTROL CABLE	P7	7C X 1.5
6	83125-CEC	LV Switchgear	DP-200N1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
7	83126-CEC	LV Switchgear	DP-200N1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
8	83127-CEC	LV Switchgear	DP-200N1	SG-200N1	CONTROL CABLE	P7	7C X 1.5

L-600-101-LVT-020 VIA-E-MCT-204



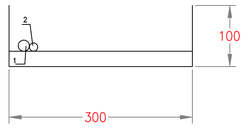
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83020-CEL	Crane	SG-200N1	JB-200E3	POWER CABLE	P4	5G16
2	83025-CEL	HVAC panel - UPS Room	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
3	83026-CEL	HVAC panel - ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
4	83028-CEL	AC UPS PAS - 30min - Line A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
5	83029-CEL	AC UPS PAS - 30min - Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
6	83030-CEL	AC UPS PAS - 30min - Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
7	83031-CEL	AC UPS F&G - 8h - Line A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
8	83032-CEL	AC UPS F&G - 8h - Line B	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
9	83033-CEL	AC UPS F&G - 8h - Line Bypass	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
10	84315-CEL	UCP - HVAC LV Room	DP-200F3	B200-HSB-001	POWER CABLE	P5	3G2.5
11	P-EJB-200N1-03-L2-01	Normal Lighting Lower Deck - Circuit No. 1	DP-200N1	EJB-200N1-03-L2-01	POWER CABLE	P4	3G4
12	83010-CEL-L1	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
13	83010-CEL-L2	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
14	83010-CEL-L3	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
15	83010-CEL-N	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
16	83010-CEL-PE	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P6	1C X 95
17	83021-CEL-01	Welding Sockets (Top Deck) JB's	SG-200N1	JB-200E6	POWER CABLE	P4	5G50
18	P-EPH-200N1-01	Twilight Relay Sensor	DP-200N1	EPH-200N1-01	POWER CABLE	P5	3G4
19	83123-CEL	AC UPS F&G AUXILIARY	DP-200N1	UP-200F4	POWER CABLE	P4	3G2.5
20	84318-CEL	LV Switchboard Auxiliary	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5
21	84319-CEL	LV SWBD 800/460V Auxiliary	DP-200F3	SG-200D2	POWER CABLE	P5	3G2.5
22	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5

L-600-101-LVT-017 VIA-E-MCT-204



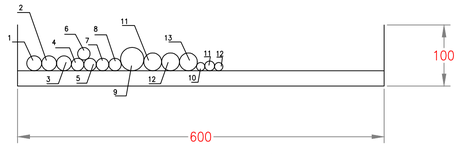
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83020-CEL	Crane	SG-200N1	JB-200E3	POWER CABLE	P4	5G16
2	83025-CEL	DISTRIBUTION & HVAC panels - UPS Room	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
3	83026-CEL	DISTRIBUTION & HVAC panels - ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
4	83028-CEL	AC UPS PAS - 30min - Line A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
5	83029-CEL	AC UPS PAS - 30min - Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
6	83030-CEL	AC UPS PAS - 30min - Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
7	83031-CEL	AC UPS F&G - 8h - Line A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
8	83032-CEL	AC UPS F&G - 8h - Line B	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
9	83033-CEL	AC UPS F&G - 8h - Line Bypass	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
10	83010-CEL-L1	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
11	83010-CEL-L2	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
12	83010-CEL-L3	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
13	83010-CEL-N	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
14	83010-CEL-PE	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P6	1C X 95
15	83021-CEL-01	Welding Sockets (Top Deck)	SG-200N1	JB-200E6	POWER CABLE	P4	5G50
16	84318-CEL	LV Switchboard Auxiliary	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5

L-300-101-LVT-033

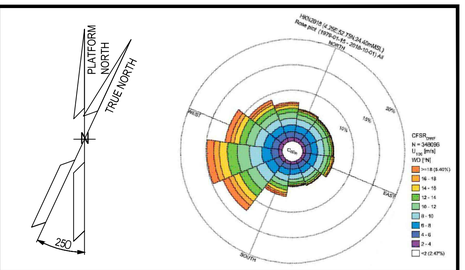


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84315-CEL	UCP - HVAC LV Room	DP-200F3	B200-HSB-001	POWER CABLE	P5	3G2.5
2	83024-CEL	DISTRIBUTION & HVAC Panel - LV Room	SG-200N1	B200-HSB-001	POWER CABLE	P4	5G16

L-600-101-LVT-019 VIA-E-MCT-204



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83020-CEL	Crane	SG-200N1	JB-200E3	POWER CABLE	P4	5G16
2	83025-CEL	HVAC panel - UPS Room	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
3	83026-CEL	HVAC panel - ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
4	83010-CEL-L1	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
5	83010-CEL-L2	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
6	83010-CEL-L3	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
7	83010-CEL-N	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
8	83010-CEL-PE	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P6	1C X 95
9	83021-CEL-01	Welding Sockets (Top Deck) JB's	SG-200N1	JB-200E6	POWER CABLE	P4	5G50
10	84318-CEL	LV Switchboard Auxiliary	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5
11	83029-CEL	AC UPS PAS - 30min - Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
12	83030-CEL	AC UPS PAS - 30min - Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
13	83031-CEL	AC UPS F&G - 8h - Line A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35



NOTES

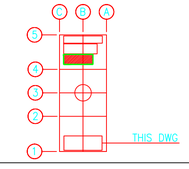
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

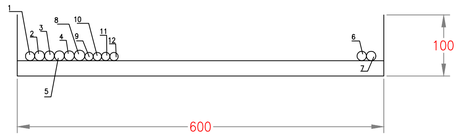
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN ASR	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20112	SHEET 8of11	REV. 02

File Name : 123A90-DDL-EL-DL-20112

DRAWING NO. 123A90-DDL-EL-DL-20112

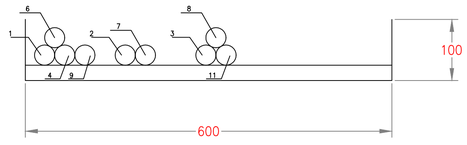
REV. 02

L-600-101-LVT-017 VIA-E-MCT-203



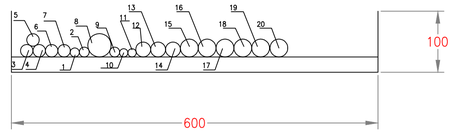
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-02-L1-01	Normal Lighting Upper Deck	DP-200N1	EJB-200N1-02-L1-01	POWER CABLE	P4	3G4
2	P-ETB-200N1-16-L3-01	TRACE HEATING - PROCESS LINES - FEEDER 3 (DM LINE)	DP-200N1	ETB-200N1-16-L3-01	POWER CABLE	P4	3G6
3	P-EJB-200N1-08-L1-04	Emergency Lighting Upper Deck	DP-200N1	EJB-200N1-08-L1-04	POWER CABLE	P4	4G4_E
4	P-EJB-200N1-14-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 1 (SWS LINES) Cold JB	DP-200N1	EJB-200N1-14-L1-01	POWER CABLE	P4	3G6
5	P-EJB-200N1-15-L2-01	TRACE HEATING - PROCESS LINES - FEEDER 2 (CI LINES) Cold JB	DP-200N1	EJB-200N1-15-L2-01	POWER CABLE	P4	3G6
6	83005-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
7	83006-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
8	83112-CEL	Auxiliary Trafo OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
9	83113-CEL	Auxiliary Trafo AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5
10	83114-CEL	Auxiliary Trafo 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
11	83115-CEL	Auxiliary NER	DP-200N1	RR-100D1	POWER CABLE	P4	3G2.5
12	83116-CEL	Auxiliary Trafo 1,6MVA	DP-200N1	CP-200E1	POWER CABLE	P4	3G2.5

L-600-101-LVT-016 VIA-E-MCT-205



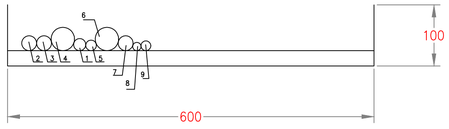
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83001-CEL-1-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
2	83001-CEL-2-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
3	83001-CEL-3-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
4	83001-CEL-1-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
6	83001-CEL-1-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
7	83001-CEL-2-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
8	83001-CEL-3-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
9	83001-CEL-2-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
11	83001-CEL-3-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300

B 107 (L-600-101-LVT-020)

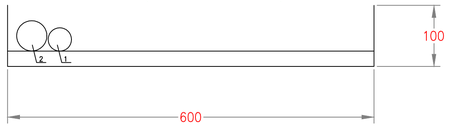


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-03-L2-01	Normal Lighting Lower Deck - Circuit No. 1	DP-200N1	EJB-200N1-03-L2-01	POWER CABLE	P4	3G4
2	P-ETB-200N1-16-L3-01	TRACE HEATING - PROCESS LINES - FEEDER 3 (DM LINE)	DP-200N1	ETB-200N1-16-L3-01	POWER CABLE	P4	3G6
3	83010-CEL-L1	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
4	83010-CEL-L2	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
5	83010-CEL-L3	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
6	83010-CEL-N	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P3	1C X 95
7	83010-CEL-PE	Temporary Generator / Mobile Battery Pack	SG-200N1	JB-200E2	POWER CABLE	P6	1C X 95
8	83021-CEL-01	Welding Sockets (Top Deck) JB's	SG-200N1	JB-200E6/ JB-200E7	POWER CABLE	P4	5G50
9	P-ETB-200N1-15-L2-01	Trace Heating - Process Lines - Feeder 2	DP-200N1	ETB-200N1-15-L2-01	POWER CABLE	P4	3G6
10	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5
11	83123-CEL	AC UPS F&G AUXILIARY	DP-200N1	UP-200F4	POWER CABLE	P4	3G2.5
12	83020-CEL	Crane	SG-200N1	JB-200E3	POWER CABLE	P4	5G16
13	83025-CEL	DISTRIBUTION & HVAC panel - UPS Room	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
14	83026-CEL	DISTRIBUTION & HVAC panel - ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
15	83028-CEL	AC UPS PAS - 30min - Line A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
16	83029-CEL	AC UPS PAS - 30min - Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
17	83030-CEL	AC UPS PAS - 30min - Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
18	83031-CEL	AC UPS F&G - 8h - Line A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
19	83032-CEL	AC UPS F&G - 8h - Line B	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
20	83033-CEL	AC UPS F&G - 8h - Line Bypass	SG-200N1	UP-200F4	POWER CABLE	P4	4G35

B103 (L-600-101-LVT-017)



B103 (L-600-101-LVT-016)

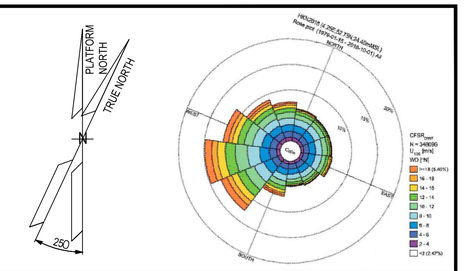


B103 (L-600-101-LVT-017)

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83011-CEL	BESS PCS Cabinet	SG-200N1	CP-850F3	POWER CABLE	P4	4C X 10
2	83025-CEL	DISTRIBUTION & HVAC panel - UPS Room	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
3	83026-CEL	DISTRIBUTION & HVAC panel - ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
4	83043-CEL	DB - Lighting & Small Power - BoP	SG-200N1	DP-200N1	POWER CABLE	P4	5G50
5	82013-CEC	LV Switchgear	SG-100D1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
6	83021-CEL-01	Welding Sockets (Top Deck) JB's	SG-200N1	JB-200E6/ JB-200E7	POWER CABLE	P4	5G50
7	83023-CEL	DISTRIBUTION & HVAC Panel - HV Room	SG-200N1	B100-HSB-001	POWER CABLE	P4	5G16
8	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
9	P-EJB-200N1-10-L3-01	Emergency Lighting stairs	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E

B103 (L-600-101-LVT-016)

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83022-CEL-01	Welding Sockets (Lower Deck)	SG-200N1	JB-200E4	POWER CABLE	P4	5G50
2	83017-CEL-1	Instrument Air Package	SG-200N1	K-63001A	POWER CABLE	P4	5G70



NOTES

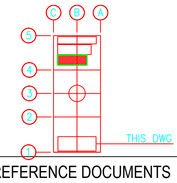
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

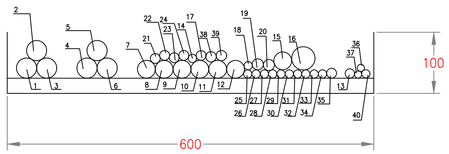
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN ASR	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20112	SHEET 9of11	REV. 02

File Name : 123A90-DDL-EL-DL-20112

DRAWING NO. 123A90-DDL-EL-DL-20112

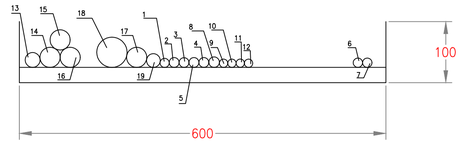
REV. 02

B106 (L-600-101-LVT-020)

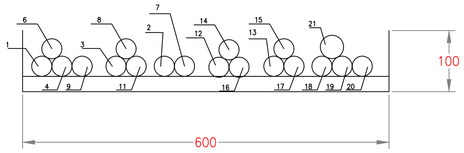


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83002-CEL-L1	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
2	83002-CEL-L2	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
3	83002-CEL-L3	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
4	83003-CEL-L1	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
5	83003-CEL-L2	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
6	83003-CEL-L3	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
7	83028-CEL	AC UPS PAS – 30min – Line A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
8	83029-CEL	AC UPS PAS – 30min – Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
9	83030-CEL	AC UPS PAS – 30min – Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
10	83031-CEL	AC UPS F&G – 8h – Line A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
11	83032-CEL	AC UPS F&G – 8h – Line B	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
12	83033-CEL	AC UPS F&G – 8h – Line Bypass	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
13	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7C X 1.5
14	84315-CEL	UCP – HVAC LV Room	DP-200F3	B200-HSB-001	POWER CABLE	P4	3G2.5
15	83027-CEL	Impressed Current Cathodic Protection (ICCP) System	SG-200N1	CN-200N1	POWER CABLE	P4	5G16
16	83043-CEL	DB – Lighting & Small Power – BoP	SG-200N1	DP-200N1	POWER CABLE	P4	5G50
17	P-EJB-200N1-09-L2-01	Emergency Lighting Lower Deck – Circuit No.. 1	DP-200N1	EJB-200N1-09-L2-01	POWER CABLE	P4	4G4_E
18	P-EJB-200N1-04-L3-01	Normal Lighting – Stairs	DP-200N1	EJB-200N1-04-L3-01	POWER CABLE	P4	3G4
19	P-ESO-200N1-05-L1-01	Small Power Socket (Upper Deck)	DP-200N1	EJB-200N1-05-L1-01	POWER CABLE	P4	3G10
20	P-ESO-200N1-06-L2-01	Small Power Socket (Lower Deck)	DP-200N1	EJB-200N1-06-L2-01	POWER CABLE	P4	3G10
21	P-ETB-200N1-20-L1-01	TRACE HEATING – PROCESS LINES – FEEDER 7 (SEA WATER PUMPS)	DP-200N1	ETB-200N1-19-L3-01	POWER CABLE	P7	3G6
22	P-ETB-200N1-18-L2-01	TRACE HEATING – PROCESS LINES – FEEDER 5 (VESSEL KO DRUM)	DP-200N1	ETB-200N1-18-L2-01	POWER CABLE	P4	3G6
23	P-EJB-200N1-09-L2-01	Emergency Lighting Lower Deck – Circuit No. 1	DP-200N1	EJB-200N1-09-L2-01	POWER CABLE	P4	4G4_E
24	P-ETB-200N1-19-L3-01	TRACE HEATING – PROCESS LINES – FEEDER 6 (H2 VENT)	DP-200N1	ETB-200N1-20-L1-01	POWER CABLE	P7	3G6
25	83104-CEL	SIS –Controller and I/O Cabinet – Auxiliary	DP-200N1	B400-SIS-001	POWER CABLE	P4	3G2.5
26	83105-CEL	PCS –Controller and I/O Cabinet – Auxiliary	DP-200N1	B400-PCS-001	POWER CABLE	P4	3G2.5
27	83106-CEL	EMCS –Controller and I/O Cabinet – Auxiliary	DP-200N1	B400-EMCS-001	POWER CABLE	P4	3G2.5
28	83107-CEL	FGS Fire & Gas Panel – Auxiliary	DP-200N1	B400-FGS-001	POWER CABLE	P4	3G2.5
29	83108-CEL	System Server / Network Cabinet – Auxiliary	DP-200N1	B400-NET-001	POWER CABLE	P4	3G2.5
30	83109-CEL	Server cabiner ITER – Auxiliary	DP-200N1	B400-SRV-001	POWER CABLE	P4	3G2.5
31	83110-CEL	UCP – Instrument Air Package –A-63000 – Auxiliary	DP-200N1	CP-630E1	POWER CABLE	P4	3G2.5
32	83111-CEL	UCP – N2 Package – Auxiliary	DP-200N1	CP-640E1	POWER CABLE	P4	3G2.5
33	83117-CEL	Auxiliary Trafo SOLAR 0,5MVA	DP-200N1	CP-200E2	POWER CABLE	P4	3G2.5
34	83118-CEL	Auxiliary GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
35	83119-CEL	Auxiliary 6.6kV Switchboard	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
36	5W2.1	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	CONTROL CABLE	C1	2CX2.5
37	6W2.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	CONTROL CABLE	C1	2CX2.5
38	7WD3	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	POWER CABLE	C2	1CX70
39	7WD6.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	POWER CABLE	C2	1CX70
40	83015-CEC	6.6KV HV Switchgear	SG-200D2	SG-100D1	CONTROL CABLE	P7	7C X 1.5

B 101 (L-600-101-LVT-017)



B 101 (L-600-101-LVT-016)

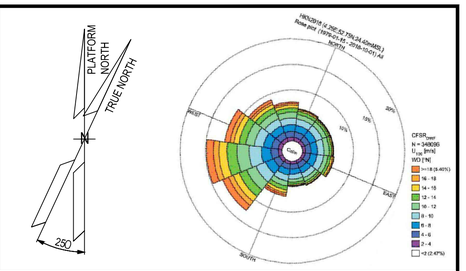


B 101 (L-600-101-LVT-017)

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-02-L1-01	Normal Lighting Upper Deck	DP-200N1	EJB-200N1-02-L1-01	POWER CABLE	P4	3G4
2	P-ETB-200N1-16-L3-01	TRACE HEATING – PROCESS LINES – FEEDER 3 (DM LINE)	DP-200N1	ETB-200N1-16-L3-01	POWER CABLE	P4	3G6
3	P-EJB-200N1-08-L1-04	Emergency Lighting Upper Deck	DP-200N1	EJB-200N1-08-L1-04	POWER CABLE	P4	4G4_E
4	P-EJB-200N1-14-L1-01	TRACE HEATING – PROCESS LINES – FEEDER 1 (SWS LINES) Cold JB	DP-200N1	EJB-200N1-14-L1-01	POWER CABLE	P4	3G6
5	P-EJB-200N1-15-L2-01	TRACE HEATING – PROCESS LINES – FEEDER 2 (CI LINES) Cold JB	DP-200N1	EJB-200N1-15-L2-01	POWER CABLE	P4	3G6
6	83005-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
7	83006-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
8	83112-CEL	Auxiliary Trafo OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
9	83113-CEL	Auxiliary Trafo AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5
10	83114-CEL	Auxiliary Trafo 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
11	83115-CEL	Auxiliary NER	DP-200N1	RR-100D1	POWER CABLE	P4	3G2.5
12	83116-CEL	Auxiliary Trafo 1,6MVA	DP-200N1	CP-200E1	POWER CABLE	P4	3G2.5
13	83012-CEL	Fuel Cell Auxiliary Load	SG-200N1	A-80000	POWER CABLE	P4	5G16
14	83013-CEL-L1	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
15	83013-CEL-L2	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
16	83013-CEL-L3	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
17	83013-CEL-N	Electrolyser Auxiliary load	SG-200N1	A-20000	POWER CABLE	P4	1C X 300
18	83016-CEL	Water Package	SG-200N1	JB-500E8	POWER CABLE	P4	5G70
19	83013-CEL-E	Electrolyser Auxiliary load	SG-200N1	A-20000	PE CABLE	P4	1C X 150

B 101 (L-600-101-LVT-016)

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83001-CEL-1-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
2	83001-CEL-2-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
3	83001-CEL-3-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
4	83001-CEL-1-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
6	83001-CEL-1-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
7	83001-CEL-2-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
8	83001-CEL-3-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
9	83001-CEL-2-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
11	83001-CEL-3-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
12	83001-CEL-4-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
13	83001-CEL-5-L1	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
14	83001-CEL-4-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
15	83001-CEL-5-L2	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
16	83001-CEL-4-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
17	83001-CEL-5-L3	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
18	83001-CEL-1-N	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
19	83001-CEL-2-N	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
20	83001-CEL-3-N	LV Switchgear	TR-200DE1	SG-200N1	POWER CABLE	P3	1C X 300
21	83022-CEL-01	Welding Sockets (Lower Deck)	SG-200N1	JB-200E4	POWER CABLE	P4	5G50



NOTES

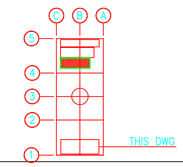
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

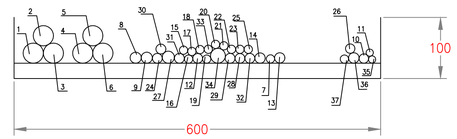
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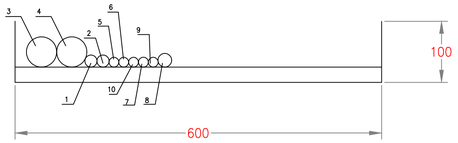
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REV. 02

B 105 (L-600-101-LVT-017)



B 105(L-600-101-LVT-016)

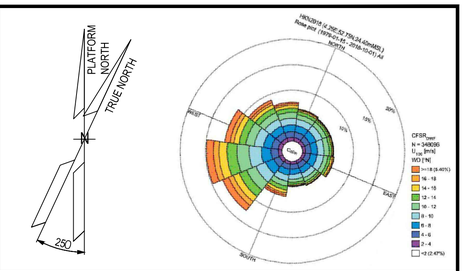


B 105 (L-600-101-LVT-017)

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83002-CEL-L1	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
2	83002-CEL-L2	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
3	83002-CEL-L3	LV SWBD 800/460V	JB-200E1	SG-200D2	POWER CABLE	P3	1C X 300
4	83003-CEL-L1	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
5	83003-CEL-L2	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
6	83003-CEL-L3	6.6/0.8 kV Transformer	SG-200D2	TR-200ED1	POWER CABLE	P3	1C X 300
7	P-EJB-200N1-04-L3-01	Normal Lighting - Stairs	DP-200N1	EJB-200N1-04-L3-01	POWER CABLE	P4	3G2.5
8	P-ESO-200N1-05-L1-01	Small Power Socket (Upper Deck)	DP-200N1	EJB-200N1-05-L1-01	POWER CABLE	P4	3G10
9	P-ESO-200N1-06-L2-01	Small Power Socket (Lower Deck)	DP-200N1	EJB-200N1-06-L2-01	POWER CABLE	P4	3G10
10	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7C X 1.5
11	6W2.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	CONTROL CABLE	C1	2CX2.5
12	P-EJB-200N1-09-L2-01	Emergency Lighting Lower Deck - Circuit No. 1	DP-200N1	EJB-200N1-09-L2-01	POWER CABLE	P4	4G4_E
13	7WD3	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	POWER CABLE	C2	1CX70
14	7WD6.1	ICCP JB INTERNAL	CN-200N1	EAJ-200-01	POWER CABLE	C2	1CX70
15	83104-CEL	SIS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-SIS-001	POWER CABLE	P4	3G2.5
16	83105-CEL	PCS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-PCS-001	POWER CABLE	P4	3G2.5
17	83106-CEL	EMCS -Controller and I/O Cabinet - Auxiliary	DP-200N1	B400-EMCS-001	POWER CABLE	P4	3G2.5
18	83107-CEL	FGS Fire & Gas Panel - Auxiliary	DP-200N1	B400-FGS-001	POWER CABLE	P4	3G2.5
19	83108-CEL	System Server / Network Cabinet - Auxiliary	DP-200N1	B400-NET-001	POWER CABLE	P4	3G2.5
20	83109-CEL	Server cabiner ITER - Auxiliary	DP-200N1	B400-SRV-001	POWER CABLE	P4	3G2.5
21	83110-CEL	UCP - Instrument Air Package -A-63000 - Auxiliary	DP-200N1	CP-630E1	POWER CABLE	P4	3G2.5
22	83111-CEL	UCP - N2 Package - Auxiliary	DP-200N1	CP-640E1	POWER CABLE	P4	3G2.5
23	83117-CEL	Auxiliary Trafo SOLAR 0,5MVA	DP-200N1	CP-200E2	POWER CABLE	P4	3G2.5
24	83118-CEL	Auxiliary GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
25	83119-CEL	Auxiliary 6.6kV Switchboard	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
26	82013-CEC	LV Switchgear	SG-100D1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
27	83011-CEL	BESS PCS Cabinet	SG-200N1	CP-850F3	POWER CABLE	P4	4C X 10
28	P-EJB-200N1-10-L3-01	Emergency Lighting stairs	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E
29	P-ETB-200N1-18-L2-01	TRACE HEATING - PROCESS LINES - FEEDER 5 (VESSEL KO DRUM)	DP-200N1	ETB-200N1-18-L2-01	POWER CABLE	P4	3G6
30	P-ETB-200N1-19-L3-01	TRACE HEATING - PROCESS LINES - FEEDER 6 (H2 VENT)	DP-200N1	ETB-200N1-19-L3-01	POWER CABLE	P7	3G6
31	P-ETB-200N1-20-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 7 (SEA WATER PUMPS)	DP-200N1	ETB-200N1-20-L1-01	POWER CABLE	P7	3G6
32	P-EJB-200N1-17-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 4 (WW LINES) Cold JB	DP-200N1	EJB-200N1-17-L1-01	POWER CABLE	P4	3G6
33	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
34	83023-CEL	DISTRIBUTION & HVAC Panel - HV Room	SG-200N1	B100-HSB-001	POWER CABLE	P4	5G16
35	5W2.1	ICCP JB EXTERNAL	CN-200N1	EAJ-200-02	CONTROL CABLE	C1	2CX2.5
36	82013-CEC	LV Switchgear	SG-100D1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
37	83015-CEC	6.6KV HV Switchgear	SG-200D2	SG-100D1	CONTROL CABLE	P7	7C X 1.5

B 105 (L-600-101-LVT-016)

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83014-CEL	BESS LV1 Cabinet (+DISTR 1)	SG-200N1	CP-850E1	POWER	P4	4C X 10
2	83015-CEL	BESS LV2 Cabinet (+DISTR 2)	SG-200N1	CP-850E2	POWER	P4	4C X 10
3	83017-CEL-1	Instrument Air Package	SG-200N1	K-63001-A	POWER	P4	5G70
4	83017-CEL-2	Instrument Air Package	SG-200N1	K-63001-B	POWER	P4	5G70
5	83018-CEL	Sea water intake pump A	SG-200N1	PM-50001 A	POWER	P4	4G4
6	83019-CEL	Sea water intake pump B	SG-200N1	PM-50001 B	POWER	P4	4G4
7	83034-CEL	DC Battery System - Switchgears Control - Feeder A	SG-200N1	UP-200F1	POWER	P4	4G16
8	83035-CEL	DC Battery System - Switchgears Control - Feeder B	SG-200N1	UP-200F1	POWER	P4	4G16
9	83036-CEL	DC UPS NAVAID System - Feeder A	SG-200N1	UP-200F2	POWER	P5	3G16
10	83037-CEL	DC UPS NAVAID System - Feeder B	SG-200N1	UP-200F2	POWER	P5	3G16



NOTES

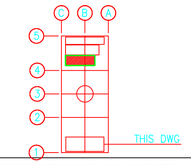
1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S. (EL+23.310m)

CABLE TYPE DETAILS

P3 - SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZHOUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, MICA/GLASS TAPE, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE BRAID ARMOURED CABLE, FLAME RETARDANT
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, COPPER WIRE BRAID SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C1- SPECIAL SIGNAL CABLE MULTI CORE, STRANDED COPPER, XLPE INSULATION, TIN CU BRAIDED SCREEN PUR JACKET, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT
C2- SINGLE CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, STRANDED COPPER, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20105	ELECTRICAL EQUIPMENT LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DL-20123	LIGHTING & SOCKET LAYOUT - LV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00044	B-200 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	15/09/25	PS	FMA/AMA	CGI	ASBUILT (ASB)
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	18/07/24	ASR	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
LV SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN ASR	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20112	SHEET 11of11	REV. 02

File Name : 123A90-DDL-EL-DL-20112