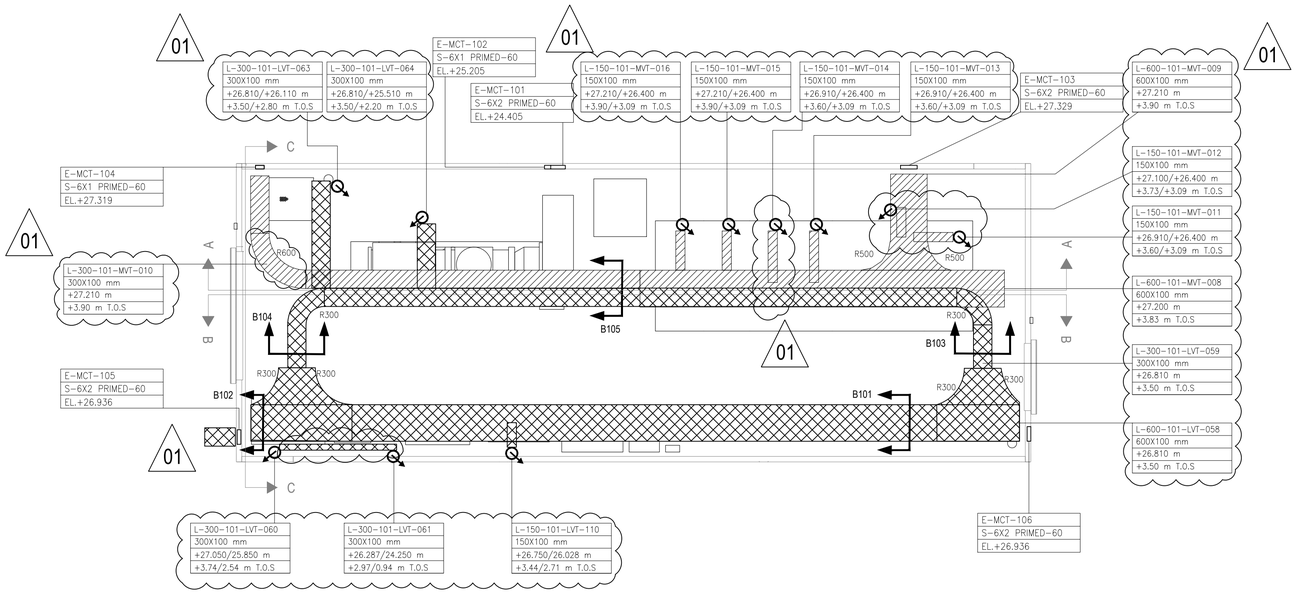
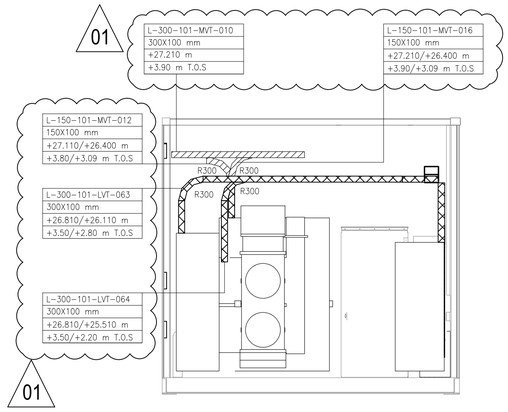
DRAWING NO. 123A90-DDL-EL-DL-20111

REV. 01

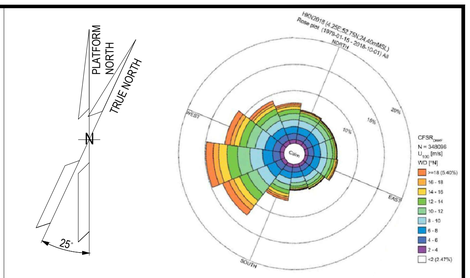


Section A-A

Section B-B



Section C-C



NOTES

1. THIS DRAWING IS VALID ONLY FOR ELECTRICAL CABLE ROUTING LAYOUT.
2. DRAWING SPLIT INTO MULTIPLY SHEETS FOR CLARITY.
3. FOR INSTALLATION DETAIL OF CABLE LADDER REFER TO DOC. 123A90-DDL-EL-DD-20093.
4. FOR LIGHTING AND SOCKET EQUIPMENTS SEE DRAWING 123A90-DDL-EL-DL-20122 AND 1724000049-AR-DD-00018.
5. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
6. ELEVATIONS REFER TO T.O.S. (EL+23.310 m).
7. FOR PANEL MCTs DETAILS PLEASE REFER TO 123A90-DDL-EL-DL-20115.

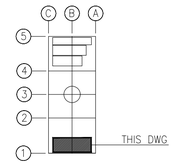
LEGEND

- ELECTRICAL 6.6 KV CABLE LADDER
- ELECTRICAL LV CABLE LADDER
- ELECTRICAL CABLE LADDER (VERTICAL DROP)

E-MCT-106 — TAG
S-6X2 PRIMED-60 — SIZE
EL.+26.936 — ELEVATION

TAG
SIZE
ELEVATION
ELEVATION(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-20104	ELECTRICAL EQUIPMENT LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DL-20122	LIGHTING & SOCKET LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-AR-DD-00018	B-100 DETAILED DRAWING - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/04/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND | ROSETTI MARINO

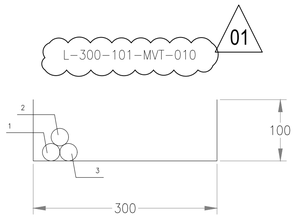
TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
HV SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20111	SHEET 1of6	REV. 01

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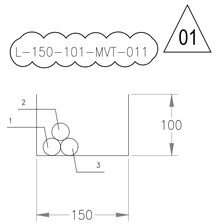
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REV. 01



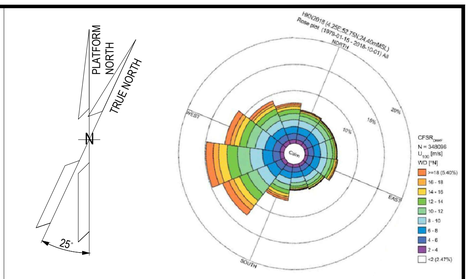
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82004-CEM-1-L1	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150
2	82004-CEM-1-L2	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150
3	82004-CEM-1-L3	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150

01



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82003-CEM-1-L1	6.6/0.4 KV, 1.25MVA Transformer	SG-100D1	TA30	POWER CABLE	P2	1X150
2	82003-CEM-1-L2	6.6/0.4 KV, 1.25MVA Transformer	SG-100D1	TA30	POWER CABLE	P2	1X150
3	82003-CEM-1-L3	6.6/0.4 KV, 1.25MVA Transformer	SG-100D1	TA30	POWER CABLE	P2	1X150

01



NOTES

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

CABLE TYPE DETAILS

P2 - SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CTS/LSZH/CWB/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

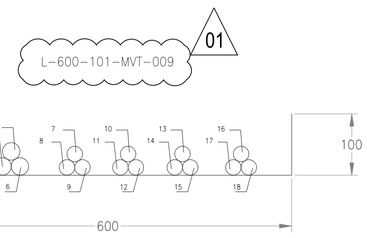
P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, CU SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE ARMOURED CABLE, FLAME RETARDANT.

LEGEND



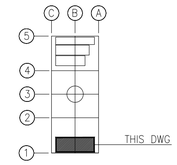
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82001-CEM-1-L1	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
2	82001-CEM-2-L1	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
3	82001-CEM-1-L2	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
4	82001-CEM-2-L2	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
5	82001-CEM-1-L3	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
6	82001-CEM-2-L3	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
7	82002-CEM-1-L1	6.6/0.4 KV, 1.6MVA Transformer	SG-100D1	TR-200DE1	POWER CABLE	P2	1X70
8	82002-CEM-1-L2	6.6/0.4 KV, 1.6MVA Transformer	SG-100D1	TR-200DE1	POWER CABLE	P2	1X70
9	82002-CEM-1-L3	6.6/0.4 KV, 1.6MVA Transformer	SG-100D1	TR-200DE1	POWER CABLE	P2	1X70
10	82003-CEM-1-L1	6.6/0.4 KV, 1.25MVA Transformer	SG-100D1	TA30	POWER CABLE	P2	1X70
11	82003-CEM-1-L2	6.6/0.4 KV, 1.25MVA Transformer	SG-100D1	TA30	POWER CABLE	P2	1X70
12	82003-CEM-1-L3	6.6/0.4 KV, 1.25MVA Transformer	SG-100D1	TA30	POWER CABLE	P2	1X70
13	82005-CEM-1-L1	6.6/0.62 KV, 1.25MVA Transformer	SG-100D1	18T1	POWER CABLE	P2	1X70
14	82005-CEM-1-L2	6.6/0.62 KV, 1.25MVA Transformer	SG-100D1	18T1	POWER CABLE	P2	1X70
15	82005-CEM-1-L3	6.6/0.62 KV, 1.25MVA Transformer	SG-100D1	18T1	POWER CABLE	P2	1X70
16	82006-CEM-1-L1	6.6/0.8 KV, 0.5MVA Transformer	SG-100D1	TR-200ED1	POWER CABLE	P2	1X70
17	82006-CEM-1-L2	6.6/0.8 KV, 0.5MVA Transformer	SG-100D1	TR-200ED1	POWER CABLE	P2	1X70
18	82006-CEM-1-L3	6.6/0.8 KV, 0.5MVA Transformer	SG-100D1	TR-200ED1	POWER CABLE	P2	1X70

01

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82002-CEM-1-L1	6.6/0.4 KV, 1.6MVA Transformer	SG-100D1	TR-200DE1	POWER CABLE	P2	1X70
2	82002-CEM-1-L2	6.6/0.4 KV, 1.6MVA Transformer	SG-100D1	TR-200DE1	POWER CABLE	P2	1X70
3	82002-CEM-1-L3	6.6/0.4 KV, 1.6MVA Transformer	SG-100D1	TR-200DE1	POWER CABLE	P2	1X70
4	82003-CEM-1-L1	6.6/0.4 KV, 1.25MVA Transformer	SG-100D1	TA30	POWER CABLE	P2	1X70
5	82003-CEM-1-L2	6.6/0.4 KV, 1.25MVA Transformer	SG-100D1	TA30	POWER CABLE	P2	1X70
6	82003-CEM-1-L3	6.6/0.4 KV, 1.25MVA Transformer	SG-100D1	TA30	POWER CABLE	P2	1X70
7	82004-CEM-1-L1	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150
8	82004-CEM-1-L2	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150
9	82004-CEM-1-L3	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150
10	82005-CEM-1-L1	6.6/0.62 KV, 1.25MVA Transformer	SG-100D1	18T1	POWER CABLE	P2	1X70
11	82005-CEM-1-L2	6.6/0.62 KV, 1.25MVA Transformer	SG-100D1	18T1	POWER CABLE	P2	1X70
12	82005-CEM-1-L3	6.6/0.62 KV, 1.25MVA Transformer	SG-100D1	18T1	POWER CABLE	P2	1X70
13	82006-CEM-1-L1	6.6/0.8 KV, 0.5MVA Transformer	SG-100D1	TR-200ED1	POWER CABLE	P2	1X70
14	82006-CEM-1-L2	6.6/0.8 KV, 0.5MVA Transformer	SG-100D1	TR-200ED1	POWER CABLE	P2	1X70
15	82006-CEM-1-L3	6.6/0.8 KV, 0.5MVA Transformer	SG-100D1	TR-200ED1	POWER CABLE	P2	1X70

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-20104	ELECTRICAL EQUIPMENT LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DL-20122	LIGHTING & SOCKET LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-AR-DD-00018	B-100 DETAILED DRAWING - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/04/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

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

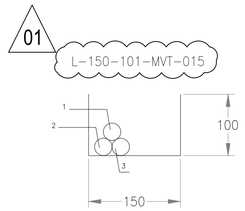
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20111	SHEET 2of6	REV. 01

File Name : 123A90-DDL-EL-DL-20111

DRAWING NO. 123A90-DDL-EL-DL-20111

REV. 01

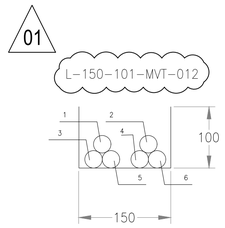
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82006-CEM-1-L1	6.6/0.8 KV, 0.5MVA Transformer	SG-100D1	TR-200ED1	POWER CABLE	P2	1X70
2	82006-CEM-1-L2	6.6/0.8 KV, 0.5MVA Transformer	SG-100D1	TR-200ED1	POWER CABLE	P2	1X70
3	82006-CEM-1-L3	6.6/0.8 KV, 0.5MVA Transformer	SG-100D1	TR-200ED1	POWER CABLE	P2	1X70

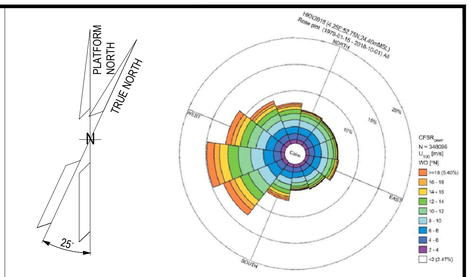
01

01



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82001-CEM-1-L1	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
2	82001-CEM-2-L1	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
3	82001-CEM-1-L2	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
4	82001-CEM-2-L2	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
5	82001-CEM-1-L3	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150
6	82001-CEM-2-L3	6.6KV HV Switchgear	TR-100AD1	SG-100D1	POWER CABLE	P2	1X150

01



NOTES

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

CABLE TYPE DETAILS

P2 - SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CTS/LSZH/CWB/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

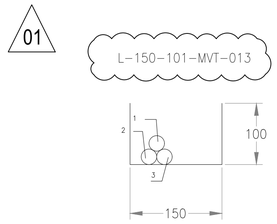
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, CU SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE ARMOURED CABLE, FLAME RETARDANT.

LEGEND

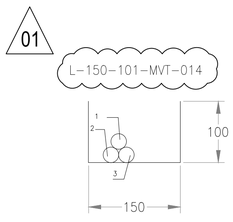
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82002-CEM-1-L1	6.6/0.4 KV, 1.6MVA Transformer	SG-100D1	TR-200DE1	POWER CABLE	P2	1X70
2	82002-CEM-1-L2	6.6/0.4 KV, 1.6MVA Transformer	SG-100D1	TR-200DE1	POWER CABLE	P2	1X70
3	82002-CEM-1-L3	6.6/0.4 KV, 1.6MVA Transformer	SG-100D1	TR-200DE1	POWER CABLE	P2	1X70

01 01

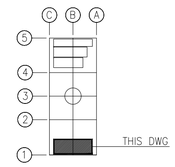
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82005-CEM-1-L1	6.6/0.62 KV, 1.25MVA Transformer	SG-100D1	18T1	POWER CABLE	P2	1X70
2	82005-CEM-1-L2	6.6/0.62 KV, 1.25MVA Transformer	SG-100D1	18T1	POWER CABLE	P2	1X70
3	82005-CEM-1-L3	6.6/0.62 KV, 1.25MVA Transformer	SG-100D1	18T1	POWER CABLE	P2	1X70

01

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-20104	ELECTRICAL EQUIPMENT LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DL-20122	LIGHTING & SOCKET LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-AR-DD-00018	B-100 DETAILED DRAWING - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/04/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

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

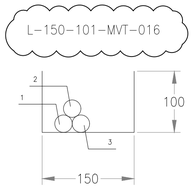
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A1	DRAWING NO. 123A90-DDL-EL-DL-20111	SHEET 3of6	REV. 01

File Name : 123A90-DDL-EL-DL-20111

DRAWING NO.: 123A90-DDL-EL-DL-20111

REV.: 01

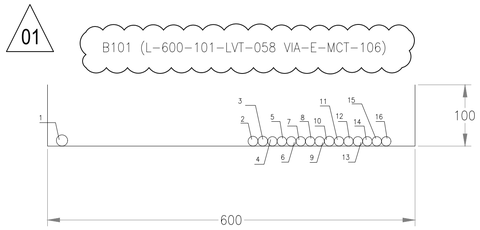
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82004-CEM-1-L1	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150
2	82004-CEM-1-L2	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150
3	82004-CEM-1-L3	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150

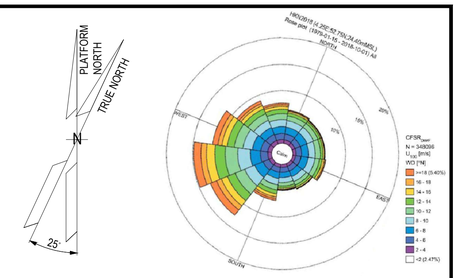
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84314-CEL	UCP - HVAC HV Room	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
2	81001-CEC	LCP GIS	CP-100E4	CP-100E1	CONTROL CABLE	P8	4X4
3	81002-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P8	4X4
4	81003-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
5	81004-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
6	81005-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
7	81006-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
8	81007-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
9	81008-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
10	82002-CEC	66/6.6 kV, 7MVA Transformer	SG-100D1	CP-100AD1C	CONTROL CABLE	P8	4CX4
11	83001-CEC	6.6KV HV Switchgear	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7X1.5
12	83002-CEC	6.6KV HV Switchgear	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7X1.5
13	83003-CEC	6.6KV HV Switchgear	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7X1.5
14	83004-CEC	6.6KV HV Switchgear	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7X1.5
15	83005-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7X1.5
16	83006-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7X1.5

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NOTES

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

CABLE TYPE DETAILS

P2 - SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CTS/LSZH/CWB/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

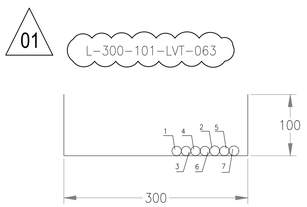
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, CU SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE ARMOURED CABLE, FLAME RETARDANT.

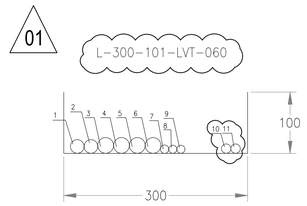
LEGEND

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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	81012-CEC	6.6KV HV Switchgear	CP-100E1	SG-100D1	CONTROL CABLE	P7	7X1.5
2	82001-CEC	LCP GIS	SG-100D1	CP-100E1	CONTROL CABLE	P8	4CX4
3	82010-CEC	LCP GIS	SG-100D1	CP-100E1	CONTROL CABLE	P7	7X1.5
4	82011-CEC	LCP GIS	SG-100D1	CP-100E1	CONTROL CABLE	P7	7X1.5
5	82012-CEC	LCP GIS	SG-100D1	CP-100E1	CONTROL CABLE	P7	7X1.5
6	81013-CEC	6.6KV HV Switchgear	CP-100E1	SG-100D1	CONTROL CABLE	P7	7X1.5
7	81001-CEC	LCP GIS	CP-100E4	CP-100E1	CONTROL CABLE	P8	4X4

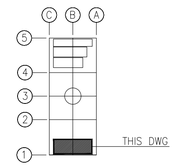
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83034-CEL	DC Battery System - Switchgears Control - Feeder A	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
2	83035-CEL	DC Battery System - Switchgears Control - Feeder B	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
3	84101-CEL	DC Control for 66 kV GIS Line-1	DP-200F1	CP-100E1	POWER CABLE	P5	3G16
4	84102-CEL	DC Control for 66 kV GIS Line-2	DP-200F1	CP-100E1	POWER CABLE	P5	3G16
5	84103-CEL	DC Control for 6,6 kV Switchgear Line-A	DP-200F1	SG-100D1	POWER CABLE	P5	3G16
6	84104-CEL	DC Control for 6,6 kV Switchgear Line-B	DP-200F1	SG-100D1	POWER CABLE	P5	3G16
7	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
8	84111-CEL-1-P	DC UPS - Battery Isolator	BC-200F1	CB-200F1	POWER CABLE	P5	1X25
9	84111-CEL-1-N	DC UPS - Battery Isolator	BC-200F1	CB-200F1	POWER CABLE	P5	1X25
10	84110-CEC	DC UPS - Charger	CB-200F1	BC-200F1A	CONTROL CABLE	P7	7C X 1.5
11	84111-CEC	DC UPS - Charger	CB-200F1	BC-200F1B	CONTROL CABLE	P7	7C X 1.5

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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-20104	ELECTRICAL EQUIPMENT LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DL-20122	LIGHTING & SOCKET LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-AR-DD-00018	B-100 DETAILED DRAWING - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/04/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

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

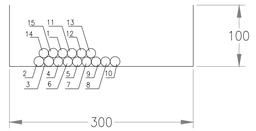
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20111	SHEET 4of6	REV. 01

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DRAWING NO.: 123A90-DDL-EL-DL-20111

REV.: 01

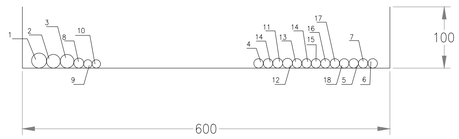
01 B103 (L-300-101-LVT-059 VIA-E-MCT-106)



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83003-CEC	6.6KV HV Switchgear	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7X1.5
2	81001-CEC	LCP GIS	CP-100E4	CP-100E1	CONTROL CABLE	P8	4X4
3	81002-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P8	4X4
4	81003-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
5	81004-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
6	81005-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
7	81006-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
8	81007-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
9	81008-CEC	6.6KV HV Switchgear	CP-100E4	SG-100D1	CONTROL CABLE	P7	7X1.5
10	82002-CEC	66/6.6 kV, 7MVA Transformer	SG-100D1	SG-100D1	CONTROL CABLE	P8	4X4
11	83004-CEC	6.6KV HV Switchgear	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7X1.5
12	83005-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7X1.5
13	83006-CEC	6.6KV HV Switchgear	SG-200N1	SG-100D1	CONTROL CABLE	P7	7X1.5
14	83001-CEC	6.6KV HV Switchgear	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7X1.5
15	83002-CEC	6.6KV HV Switchgear	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7X1.5

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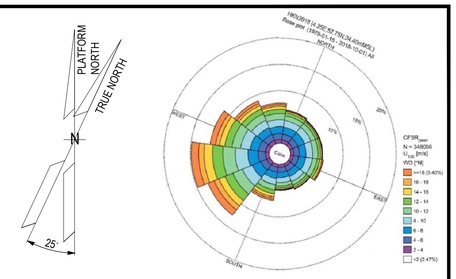
01 B102 (L-600-101-LVT-058 VIA-E-MCT-105)



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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83023-CEL	HVAC Panels – HV Room	SG-200N1	B100-HSB-001	POWER CABLE	P4	5G16
2	83034-CEL	DC Battery System – Switchgears Control – Feeder A	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
3	83035-CEL	DC Battery System – Switchgears Control – Feeder B	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
4	85001-CEC	6.6KV HV Switchgear	A-85000	SG-100D1	CONTROL CABLE	P7	7X1.5
5	83015-CEC	6.6KV HV Switchgear	SG-200D2	SG-100D1	CONTROL CABLE	P7	7X1.5
6	20001-CEC	6.6KV HV Switchgear	A-20000	SG-100D1	CONTROL CABLE	P7	7X1.5
7	82014-CEC	6.6KV HV Switchgear	RR-100D1	SG-100D1	CONTROL CABLE	P7	7X1.5
8	83118-CEL	Auxiliary GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
9	83119-CEL	Auxiliary 6.6kV Switchboard	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
10	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
11	82006-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4X4
12	82007-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4X4
13	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7X1.5
14	82013-CEC	LV Switchgear	SG-100D1	SG-200N1	CONTROL CABLE	P7	7X1.5
15	83011-CEC	6.6KV HV Switchgear	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7X1.5
16	83012-CEC	6.6KV HV Switchgear	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7X1.5
17	83013-CEC	6.6KV HV Switchgear	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7X1.5
18	83014-CEC	6.6KV HV Switchgear	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7X1.5

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NOTES

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

CABLE TYPE DETAILS

P2 - SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CTS/LSZH/CWB/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

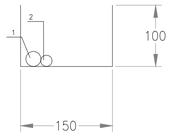
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, CU SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE ARMOURED CABLE, FLAME RETARDANT.

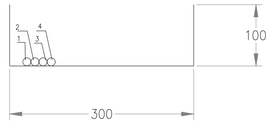
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01 L-150-101-LVT-110



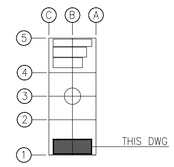
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83023-CEL	HVAC Panels – HV Room	SG-200N1	B100-HSB-001	POWER CABLE	P4	5G16
2	84314-CEL	UCP – HVAC HV Room	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5

01 L-300-101-LVT-062



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84111-CEL-1-P	DC UPS – Battery Isolator	BC-200F1	CB-200F1	POWER CABLE	P5	1X25
2	84111-CEL-1-N	DC UPS – Battery Isolator	BC-200F1	CB-200F1	POWER CABLE	P5	1X25
3	84111-CEL-2-P	DC UPS – Battery	CB-200F1	BA-200F1	POWER CABLE	P5	1X25
4	84111-CEL-2-N	DC UPS – Battery	CB-200F1	BA-200F1	POWER CABLE	P5	1X25

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-20104	ELECTRICAL EQUIPMENT LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DL-20122	LIGHTING & SOCKET LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-AR-DD-00018	B-100 DETAILED DRAWING - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/04/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

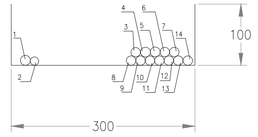
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
HV SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20111	SHEET 5of6	REV. 01

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B104 (L-300-101-LVT-059 VIA-E-MCT-105)

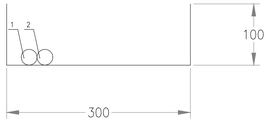


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83118-CEL	Auxiliary GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
2	83119-CEL	Auxiliary 6.6kV Switchboard	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
3	82014-CEC	6.6KV HV Switchgear	RR-100D1	SG-100D1	CONTROL CABLE	P7	7X1.5
4	82006-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4X4
5	82007-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4X4
6	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7X1.5
7	82013-CEC	LV Switchgear	SG-100D1	SG-200N1	CONTROL CABLE	P7	7X1.5
8	83011-CEC	6.6KV HV Switchgear	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7X1.5
9	83012-CEC	6.6KV HV Switchgear	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7X1.5
10	83013-CEC	6.6KV HV Switchgear	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7X1.5
11	83014-CEC	6.6KV HV Switchgear	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7X1.5
12	83015-CEC	6.6KV HV Switchgear	SG-200D2	SG-100D1	CONTROL CABLE	P7	7X1.5
13	20001-CEC	6.6KV HV Switchgear	A-20000	SG-100D1	CONTROL CABLE	P7	7X1.5
14	85001-CEC	6.6KV HV Switchgear	A-85000	SG-100D1	CONTROL CABLE	P7	7X1.5

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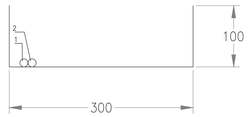
L-300-101-LVT-064



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84101-CEL	DC Control for 66 kV GIS Line-1	DP-200F1	CP-100E1	POWER CABLE	P5	3G16
2	84102-CEL	DC Control for 66 kV GIS Line-2	DP-200F1	CP-100E1	POWER CABLE	P5	3G16

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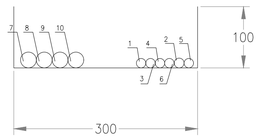
L-300-101-LVT-061



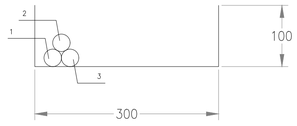
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84111-CEL-1-P	DC UPS - Battery Isolator	BC-200F1	CB-200F1	POWER CABLE	P5	1X25
2	84111-CEL-1-N	DC UPS - Battery Isolator	BC-200F1	CB-200F1	POWER CABLE	P5	1X25

01

B105 (L-300-101-LVT-059 VIA-E-MCT-104)



B105 (L-300-101-MVT-010 VIA E-MCT-104)

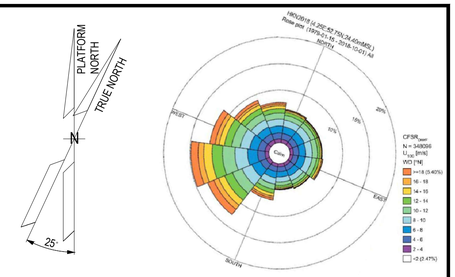


B105 (L-300-101-LVT-059 VIA-E-MCT-104)

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	81012-CEC	6.6KV HV Switchgear	CP-100E1	SG-100D1	CONTROL CABLE	P7	7X1.5
2	82001-CEC	LCP GIS	SG-100D1	CP-100E1	CONTROL CABLE	P8	4CX4
3	82010-CEC	LCP GIS	SG-100D1	CP-100E1	CONTROL CABLE	P7	7X1.5
4	82011-CEC	LCP GIS	SG-100D1	CP-100E1	CONTROL CABLE	P7	7X1.5
5	82012-CEC	LCP GIS	SG-100D1	CP-100E1	CONTROL CABLE	P7	7X1.5
6	81013-CEC	6.6KV HV Switchgear	CP-100E1	SG-100D1	CONTROL CABLE	P7	7X1.5
7	84101-CEL	DC Control for 66 kV GIS Line-1	DP-200F1	CP-100E1	POWER CABLE	P5	3G16
8	84102-CEL	DC Control for 66 kV GIS Line-2	DP-200F1	CP-100E1	POWER CABLE	P5	3G16
9	84103-CEL	DC Control for 6,6 kV Switchgear Line-A	DP-200F1	SG-100D1	POWER CABLE	P5	3G16
10	84104-CEL	DC Control for 6,6 kV Switchgear Line-B	DP-200F1	SG-100D1	POWER CABLE	P5	3G16

B105 (L-300-101-MVT-010 VIA E-MCT-104)

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82004-CEM-1-L1	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150
2	82004-CEM-1-L2	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150
3	82004-CEM-1-L3	6.6/0.4/0.4 KV, 3.15MVA Transformer	SG-100D1	T4	POWER CABLE	P2	1X150



NOTES

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

CABLE TYPE DETAILS

P2 - SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CTS/LSZH/CWB/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P7 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

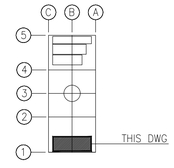
P8 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, XLPE INSULATION, CU SCREEN, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

P5 - MULTI CORE, 0.6/1 KV, FIRE RESISTANT, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, GALVANIZED STEEL WIRE ARMOURED 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-20104	ELECTRICAL EQUIPMENT LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DL-20122	LIGHTING & SOCKET LAYOUT - HV SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-AR-DD-00018	B-100 DETAILED DRAWING - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	02/08/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/04/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND | ROSETTI MARINO

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

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 02/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20111	SHEET 6of6	REV. 01

File Name : 123A90-DDL-EL-DL-20111