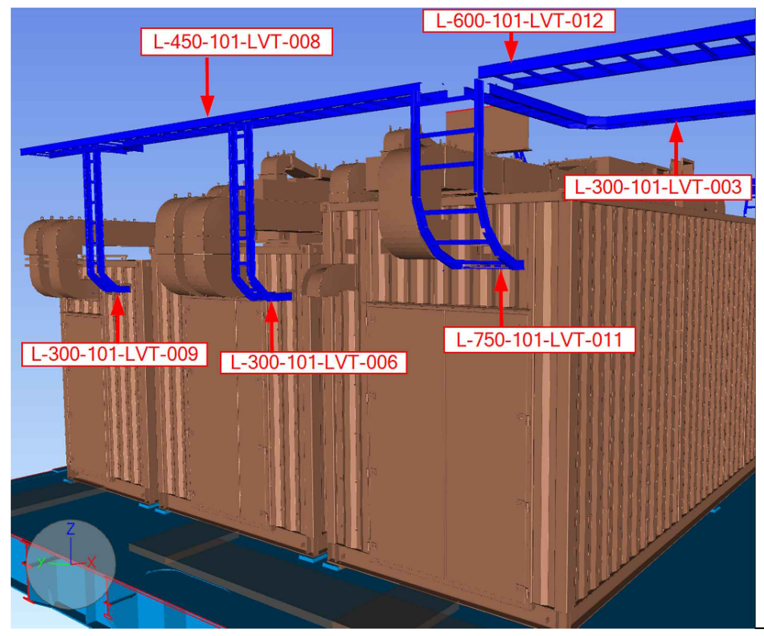
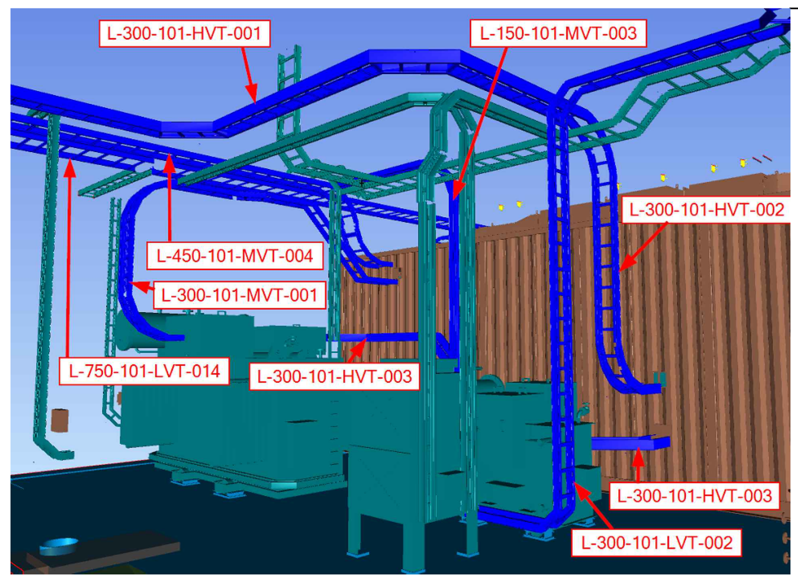
DRAWING NO. 123A90–DDL–EL–DL–20108

REV. 01





L–750–101–LVT–013
W750 X H100mm
+27.078m
+3.768m T.O.S

L–450–101–LVT–005
W450 X H100mm
+26.660m
+3.350m T.O.S

L–300–101–MVT–006
W300 X H100mm
+28.810m
+5.500m T.O.S

L–300–101–MVT–006
W300 X H100mm
+28.810/+30.190m
+5.500/6.880m T.O.S

L–300–101–LVT–007
W300 X H100mm
+28.810/+26.660m
+5.500/3.350m T.O.S

L–750–101–LVT–001
W750 X H100mm
+26.678m
+3.368m T.O.S

L–300–101–LVT–009
W300 X H100mm
+26.660m
+3.350m T.O.S

L–300–101–LVT–009
W300 X H100mm
+28.760/+26.660m
+5.450/3.350m T.O.S

L–300–101–LVT–006
W300 X H100mm
+26.660m
+3.350m T.O.S

L–300–101–LVT–006
W300 X H100mm
+28.760/+26.660m
+5.450/3.350m T.O.S

L–450–101–LVT–008
W450 X H100mm
+28.810m
+5.500m T.O.S

L–450–101–LVT–008
W450 X H100mm
+28.010/+28.810m
+4.700/5.500m T.O.S

L–600–101–LVT–012
W600 X H100mm
+28.010/+28.810m
+4.700/5.500m T.O.S

L–750–101–LVT–011
W750 X H100mm
+27.078m
+3.768m T.O.S

L–750–101–LVT–011
W750 X H100mm
+27.078/+28.010m
+3.768/4.700m T.O.S

L–750–101–LVT–001
W750 X H100mm
+25.335m
+2.025m T.O.S

L–300–101–LVT–003
W300 X H100mm
+28.810m
+5.500m T.O.S

L–300–101–LVT–004
W300 X H100mm
+28.810m
+5.500m T.O.S

L–300–101–LVT–004
W300 X H100mm
+28.810/+23.360m
+5.500/0.050m T.O.S

L–600–101–LVT–012
W600 X H100mm
+28.810m
+5.500m T.O.S

L–300–101–LVT–002
W300 X H100mm
+23.480m
0.170m T.O.S

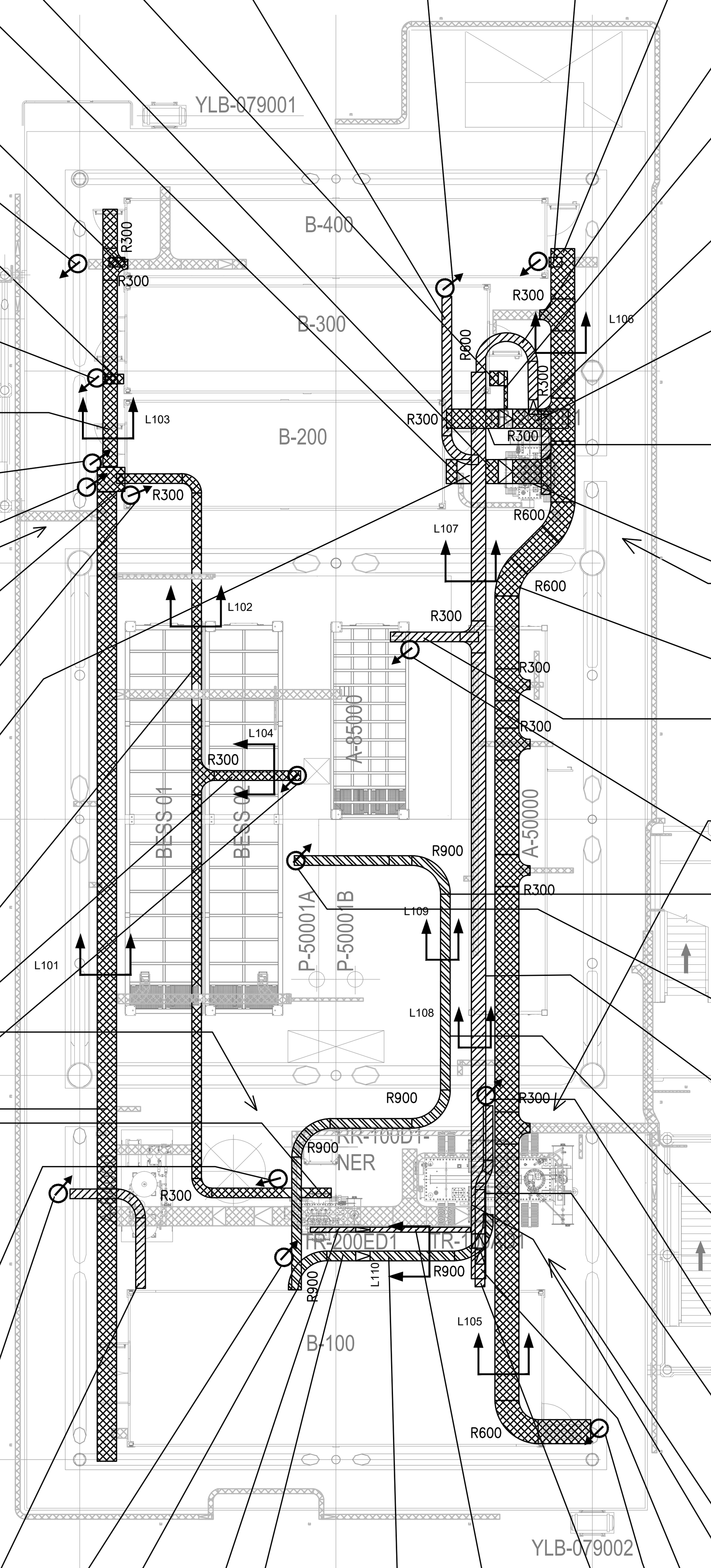
L–300–101–LVT–002
W300 X H100mm
+28.810/+23.480m
+5.500/0.170m T.O.S

L–300–101–MVT–007
W300 X H100mm
+27.210/+30.190m
+3.900/6.880m T.O.S

L–300–101–MVT–007
W300 X H100mm
+27.210m
+3.900m T.O.S

L–300–101–HVT–002
W300 X H150mm
+25.004/+28.810m
+1.694/5.500m T.O.S

L–300–101–HVT–002
W300 X H150mm
+25.004m
+1.694m T.O.S



L–150–101–MVT–003
W150 X H100mm
+23.510m
+0.200m T.O.S

L–300–101–HVT–003
W300 X H150mm
+24.205m
+0.895m T.O.S

L–300–101–HVT–003
W300 X H150mm
+25.410m
+2.100m T.O.S

L–150–101–MVT–003
W150 X H100mm
+28.810m
+5.500m T.O.S

L–750–101–LVT–015
W750 X H100mm
+28.810m
+5.500m T.O.S

L–300–101–MVT–002
W300 X H100mm
+28.810m
+5.500m T.O.S

L–450–101–LVT–005
W450 X H100mm
+28.810m
+5.500m T.O.S

L–300–101–MVT–002
W300 X H100mm
+23.648m
+0.338m T.O.S

L–600–101–LVT–010
W600 X H100mm
+28.810m
5.500m T.O.S

L–600–101–LVT–010
W600 X H100mm
+27.078m
+3.768m T.O.S

L–750–101–LVT–013
W750 X H100mm
+28.810m
+5.500m T.O.S

L–750–101–LVT–014
W750 X H100mm
+28.810m
+5.500m T.O.S

L–300–101–MVT–005
W300 X H100mm
+28.810m
+5.500m T.O.S

L–300–101–MVT–005
W300 X H100mm
+28.810/+23.600m
+5.500/0.290m T.O.S

L–300–101–HVT–001
W300 X H150mm
+28.810m
+5.50m T.O.S

L–300–101–HVT–001
W300 X H150mm
+23.385/+28.810m
+0.75/5.50m T.O.S

L–450–101–MVT–004
W450 X H100mm
+28.810m
+5.500m T.O.S

L–300–101–HVT–001
W300 X H150mm
+28.810m
+5.500m T.O.S

L–300–101–MVT–001
W300 X H100mm
+25.800/+28.410m
+2.490/5.100m T.O.S

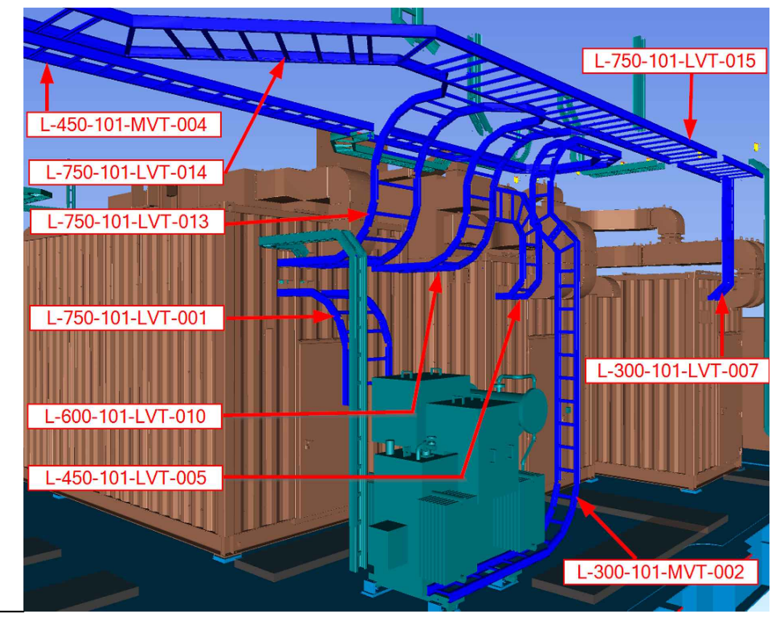
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W300 X H100mm
+28.410m
+5.100m T.O.S

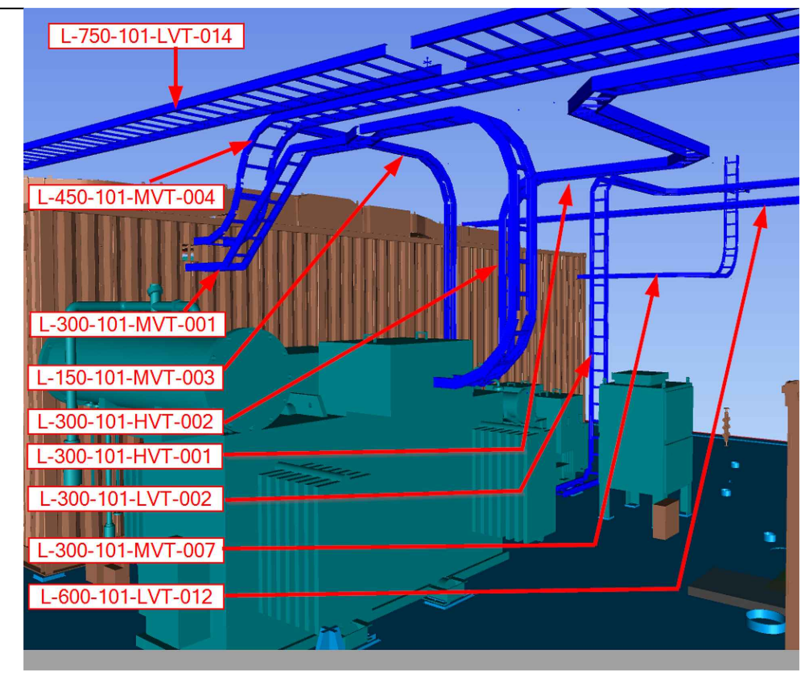
L–450–101–MVT–004
W450 X H100mm
+28.810m
+5.500m T.O.S

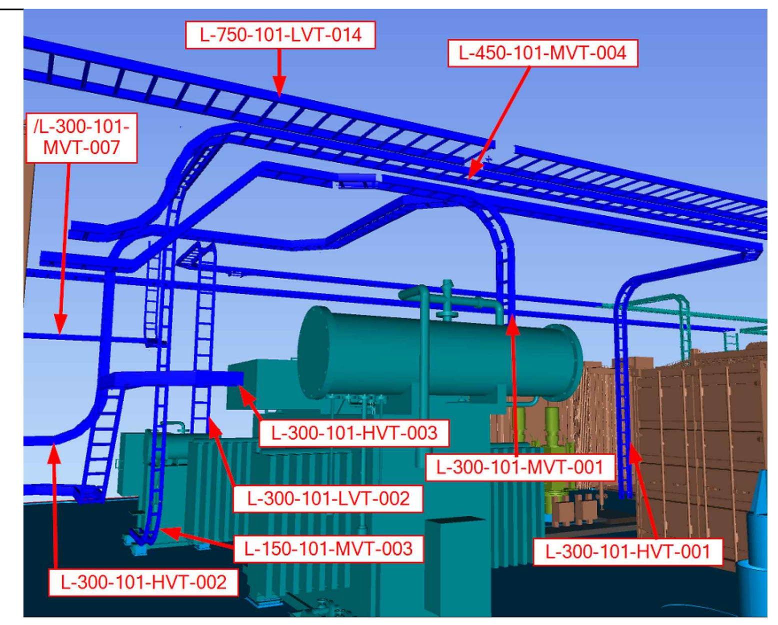
L–450–101–MVT–004
W450 X H100mm
+27.410m
+4.100m T.O.S

L–750–101–LVT–014
W750 X H100mm
+28.810/27.810m
+5.500/4.500m T.O.S

L–300–101–MVT–001
W300 X H100mm
+27.070m
+3.760m T.O.S



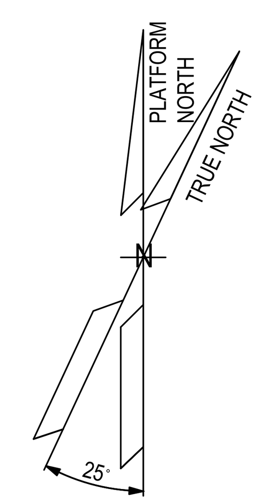


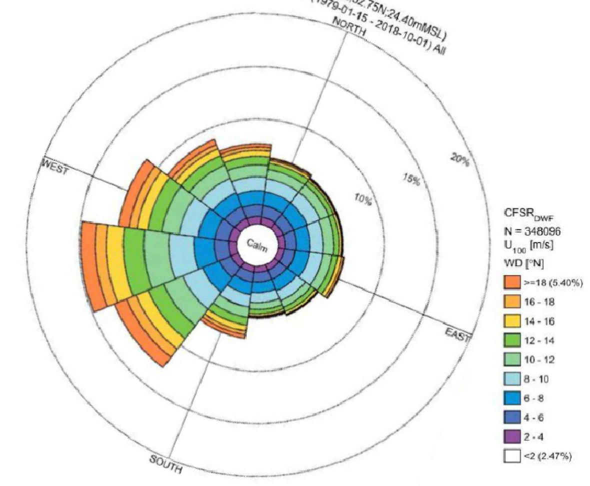


PRIMARY CABLE ROUTING

PLAN ON LOWER DECK

EL+23.310 T.O.S





NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.
3. THIS DRAWING IS VALID ONLY FOR ELECTRICAL CABLE ROUTING LAYOUT.
4. A MINIMUM OF 20% CAPACITY IN EACH CABLE LADDER SHALL BE PROVIDED FOR FUTURE EXTENSION.
5. DRAWING SPLIT INTO MULTIPLY SHEETS FOR CLARITY.
6. FOR INSTALLATION DETAIL OF CABLE LADDER REFER TO DOC. 123A90–DDL–EL–DD–20093.
7. UNARMOURED CABLES PASSING OR ARRIVING IN A CLASSIFIED AREA WILL BE MECHANICALLY PROTECTED IN COMPLIANCE WITH THE REQUIREMENTS OF THE IEC 60079–14.
8. 50MM CABLE TRAYS ROUTES MAY BE MODIFIED DURING CONSTRUCTION WITHOUT OFFICIAL APPROVAL.

LEGEND

- ELECTRICAL 66 KV CABLE TRAY
- ELECTRICAL 6.6 KV CABLE TRAY
- ELECTRICAL LV CABLE TRAY
- CABLE TRAY ELEVATION CHANGE
- ELECTRICAL CABLE TRAY VERTICAL RAISE
- ELECTRICAL CABLE TRAY VERTICAL DROP
- L101 CABLE TRAY SECTION

TAG
SIZE
ELEVATION
ELEVATION(T.O.S)

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) ELECTRICAL CABLES ROUTING LAYOUT LOWER DECK

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:150

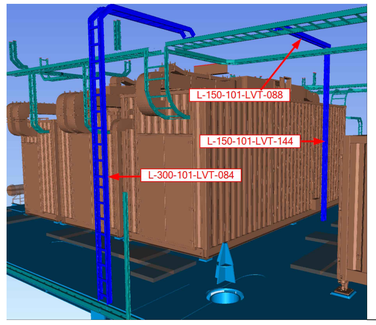
DRAWN SPS | CHECKED FMA/AMA | APPROVED FPA/DLO | DATE 30/07/24

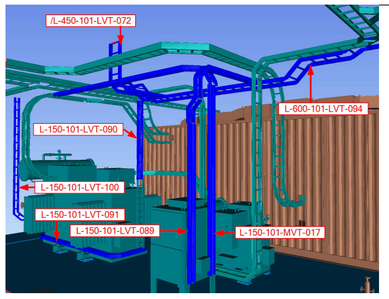
A1 | DRAWING NO. 123A90–DDL–EL–DL–20108 | SHEET 01of18 | REV. 01

File Name : 123A90–DDL–EL–DL–20108

DRAWING NO. 123A90-DDL-EL-DL-20108

REV. 01





L-300-101-LVT-112
W300 X H100mm
+28.810/30.170m
+5.500/6.860m T.O.S

L-300-101-LVT-077
W300 X H100mm
+28.810m
+5.500m T.O.S

L-300-101-LVT-078
W300 X H100mm
+28.810m
+5.500m T.O.S

L-300-101-LVT-078
W300 X H100mm
+29.060/30.170m
+5.750/6.860m T.O.S

L-150-101-LVT-086
W150 X H100mm
+23.300m
−0.010m T.O.S

L-300-101-LVT-077
W300 X H100mm
+28.810/30.170m
+5.500/6.860m T.O.S

L-300-101-LVT-078
W300 X H100mm
+29.060m
+5.750m T.O.S

L-300-101-LVT-073
W300 X H100mm
+28.810/+30.210m
+5.500/6.900m T.O.S

L-300-101-LVT-073
W300 X H100mm
+28.810m
+5.500m T.O.S

L-150-101-LVT-086
W150 X H100mm
+22.700m
−0.610m T.O.S

L-150-101-LVT-086
W150 X H100mm
+23.300m
−0.010m T.O.S

L-150-101-LVT-106
W150 X H100mm
+28.988/30.188m
+5.678/6.878m T.O.S

L-300-101-LVT-084
W300 X H100mm
+29.010m
+5.700m T.O.S

L-300-101-LVT-084
W300 X H100mm
+28.810m
+5.500m T.O.S

L-150-101-LVT-083
W150 X H100mm
+23.300m
−0.010m T.O.S

L-300-101-LVT-096
W300 X H100mm
+28.960/24.400m
+5.650/1.090m T.O.S

L-300-101-LVT-084
W300 X H100mm
+29.010/+23.298m
+5.700/0.012m T.O.S

L-150-101-LVT-088
W150 X H100mm
+29.010m
+5.700m T.O.S

L-150-101-LVT-088
W150 X H100mm
+28.810m
+5.500m T.O.S

L-150-101-LVT-144
W150 X H100mm
+28.930/24.180m
+5.620/0.870m T.O.S

L-300-101-LVT-068
W300 X H100mm
+28.810m
+5.500m T.O.S

L-300-101-LVT-068
W300 X H100mm
+29.060m
+5.750m T.O.S

L-150-101-LVT-102
W150 X H100mm
+28.938/30.188m
+5.628/6.878m T.O.S

L-150-101-LVT-103
W150 X H100mm
+28.908/30.208m
+5.598/6.898m T.O.S

L-150-101-LVT-092
W150 X H100mm
+27.178m
+3.868m T.O.S

L-150-101-LVT-092
W150 X H100mm
+27.278m
+3.968m T.O.S

L-150-101-LVT-092
W150 X H100mm
+27.278/23.728m
+3.968/0.418m T.O.S

L-300-101-LVT-095
W300 X H100mm
+28.888/30.188m
+5.578/6.878m T.O.S

L-150-101-LVT-093
W150 X H100mm
+28.810/26.400m
+5.500/3.090m T.O.S

L-150-101-LVT-099
W150 X H100mm
+28.810/24.000m
+5.500/0.690m T.O.S

L-150-101-LVT-139
W150 X H100mm
+26.280
+2.970m T.O.S

L-300-101-LVT-068
W300 X H100mm
+29.060m/+23.500
+5.750/0.190m T.O.S

L-150-101-LVT-087
W150 X H100mm
+28.810/23.390m
+5.500/0.080m T.O.S

L-150-101-LVT-138
W150 X H100mm
+26.280
+2.970m T.O.S

L-150-101-LVT-105
W150 X H100mm
+28.810/30.188m
+5.500/6.878m T.O.S

L-300-101-LVT-070
W300 X H100mm
+23.410m
+0.100m T.O.S

L-150-101-LVT-146
W150 X H100mm
+26.280/24.520m
+2.970/1.210m T.O.S

L-150-101-LVT-083
W150 X H100mm
+23.300/22.860m
−0.010/0.450m T.O.S

L-150-101-LVT-081
W150 X H100mm
+22.680m
−0.630m T.O.S

L-300-101-LVT-069
300X100mm
+29.060m
+5.750m T.O.S

L-300-101-LVT-071
W300 X H100mm
+23.410m
+0.100m T.O.S

L-150-101-LVT-101
W150 X H100mm
+28.810/30.188m
+5.500/6.878m T.O.S

L-150-101-LVT-101
W150 X H100mm
+28.810m
+5.500m T.O.S

L-300-101-LVT-069
300X100mm
+29.060/23.610m
+5.750/0.300m T.O.S

L-300-101-LVT-080
W300 X H100mm
+22.680m
−0.630m T.O.S

L-300-101-LVT-109
W300 X H100mm
+23.410m
+0.100m T.O.S

L-150-101-LVT-097
W150 X H100mm
+29.080m
+5.770m T.O.S

L-150-101-LVT-143
W150 X H100mm
+29.080/24.185m
+5.770/0.875m T.O.S

L-300-101-LVT-079
W300 X H100mm
+28.810/22.940m
+5.500/−0.370m T.O.S

L-150-101-LVT-082
W150 X H100mm
+22.680m
−0.630m T.O.S

L-150-101-LVT-089
W150 X H100mm
+28.410/23.860m
+5.100/0.550m T.O.S

L-150-101-LVT-089
W150 X H100mm
+28.410m
+5.100m T.O.S

L-150-101-LVT-082
W150 X H100mm
+23.300m
−0.010m T.O.S

L-300-101-LVT-098
W300 X H100mm
+28.660/24.000m
+5.350/0.690m T.O.S

L-150-101-LVT-104
W150 X H100mm
+28.938/30.188m
+5.628/6.878m T.O.S

L-150-101-LVT-100
W150 X H100mm
+28.710/24.260m
+5.400/0.950m T.O.S

L-300-101-LVT-076
W300 X H100mm
+28.810m
+5.500m T.O.S

L-150-101-LVT-091
W150 X H100mm
+23.600m
+0.290m T.O.S

L-600-101-LVT-094
W600 X H100mm
+28.970m
+5.660m T.O.S

L-600-101-LVT-094
W600 X H100mm
+28.810m
+5.500m T.O.S

L-600-101-LVT-094
W600 X H100mm
+28.810m
+5.500m T.O.S

L-300-101-LVT-074
W300 X H100mm
+28.810/26.810m
+5.500/3.500m T.O.S

L-150-101-LVT-085
W150 X H100mm
+22.598m
−0.712m T.O.S

L-450-101-LVT-072
W450 X H100mm
+28.410/30.219m
+5.100/6.909m T.O.S

L-450-101-LVT-075
W300 X H100mm
+27.810/26.810m
+4.500/3.500m T.O.S

L-150-101-MVT-017
W150 X H100mm
+28.410/23.860m
+5.100/0.550m T.O.S

L-150-101-LVT-108
W150 X H100mm
+23.300m
−0.010m T.O.S

L-150-101-LVT-108
W150 X H100mm
+22.598m
−0.712m T.O.S

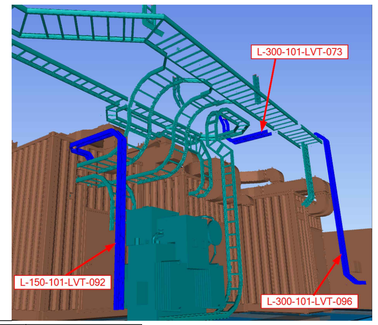
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+22.598m
−0.712m T.O.S

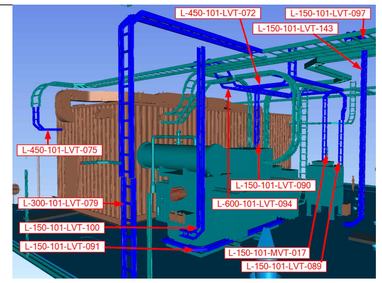
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+28.410m
+5.100m T.O.S

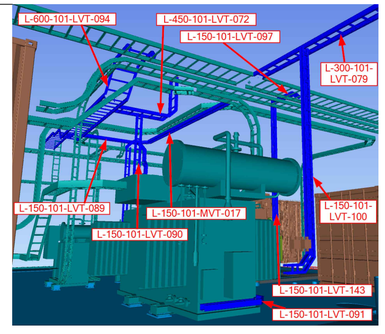
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W150 X H100mm
+23.300m
−0.010m T.O.S

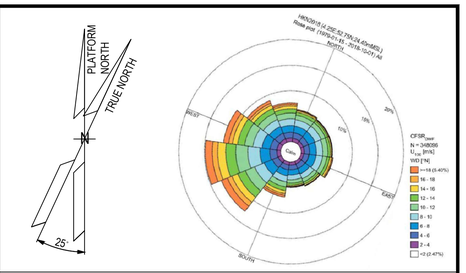
L-150-101-LVT-090
W150 X H100mm
+28.510/23.860m
+5.200/0.550m T.O.S

L-600-101-LVT-094
W600 X H100mm
+29.110m
+5.100m T.O.S









NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.
3. THIS DRAWING IS VALID ONLY FOR ELECTRICAL CABLE ROUTING LAYOUT.
4. A MINIMUM OF 20% CAPACITY IN EACH CABLE LADDER SHALL BE PROVIDED FOR FUTURE EXTENSION.
5. DRAWING SPLIT INTO MULTIPLY SHEETS FOR CLARITY.
6. FOR INSTALLATION DETAIL OF CABLE LADDER REFER TO DOC. 123A90-DDL-EL-DD-20093.
7. UNARMOURED CABLES PASSING OR ARRIVING IN A CLASSIFIED AREA WILL BE MECHANICALLY PROTECTED IN COMPLIANCE WITH THE REQUIREMENTS OF THE IEC 60079-14.
8. 50MM CABLE TRAYS ROUTES MAY BE MODIFIED DURING CONSTRUCTION WITHOUT OFFICIAL APPROVAL.

LEGEND

- ELECTRICAL 66 KV CABLE TRAY
- ELECTRICAL 6.6 KV CABLE TRAY
- ELECTRICAL LV CABLE TRAY
- CABLE TRAY ELEVATION CHANGE
- ELECTRICAL CABLE TRAY VERTICAL RAISE
- ELECTRICAL CABLE TRAY VERTICAL DROP
- L101 — CABLE TRAY SECTION
- TAG
- SIZE
- ELEVATION
- ELEVATION(T.O.S)

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

SECONDARY CABLE ROUTING PLAN ON LOWER DECK EL+23.310 T.O.S

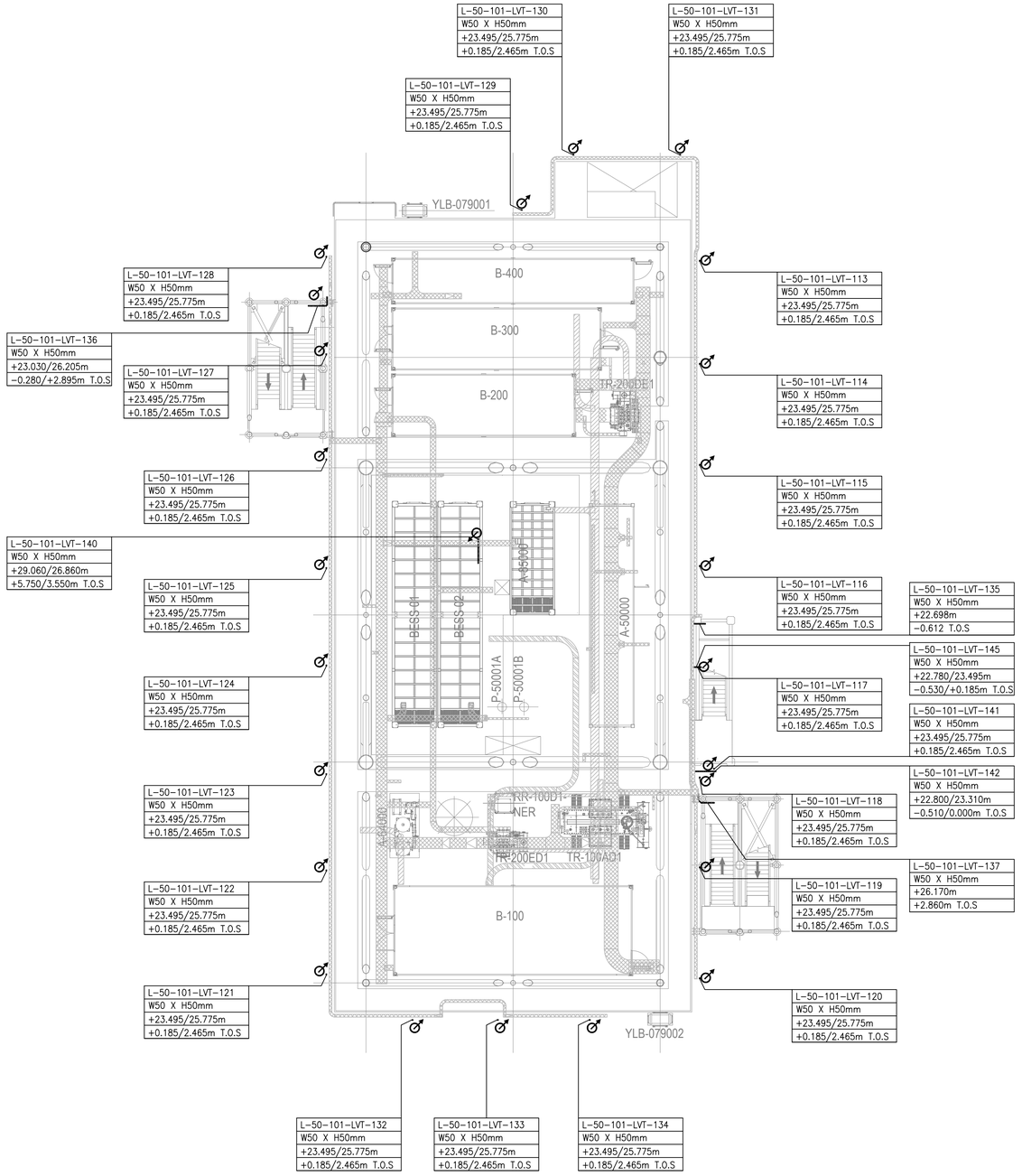
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1:150	
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 02of18	REV. 01

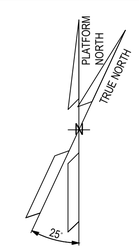
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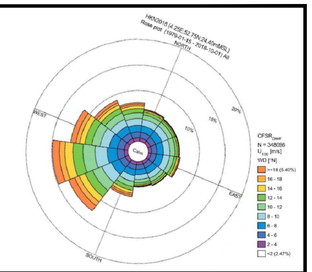
DRAWING NO. 123A90-DDL-EL-DL-20108

REV. 01



50mm WIDTH CABLE ROUTING
PLAN ON LOWER DECK
EL+23.310 T.O.S





NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.
3. THIS DRAWING IS VALID ONLY FOR ELECTRICAL CABLE ROUTING LAYOUT.
4. A MINIMUM OF 20% CAPACITY IN EACH CABLE LADDER SHALL BE PROVIDED FOR FUTURE EXTENSION.
5. DRAWING SPLIT INTO MULTIPLY SHEETS FOR CLARITY.
6. FOR INSTALLATION DETAIL OF CABLE LADDER REFER TO DOC. 123A90-DDL-EL-DD-20093.
7. UNARMOURED CABLES PASSING OR ARRIVING IN A CLASSIFIED AREA WILL BE MECHANICALLY PROTECTED IN COMPLIANCE WITH THE REQUIREMENTS OF THE IEC 60079-14.
8. 50MM CABLE TRAYS ROUTES MAY BE MODIFIED DURING CONSTRUCTION WITHOUT OFFICIAL APPROVAL.

LEGEND

- ELECTRICAL 66 KV CABLE TRAY
- ELECTRICAL 6.6 KV CABLE TRAY
- ELECTRICAL LV CABLE TRAY
- CABLE TRAY ELEVATION CHANGE
- ELECTRICAL CABLE TRAY VERTICAL RAISE
- ELECTRICAL CABLE TRAY VERTICAL DROP
- L101 — CABLE TRAY SECTION
- TAG
- SIZE
- ELEVATION
- ELEVATION(T.O.S)

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

CONTRACT NO./TITLE CW-1-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:150
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 30/07/24

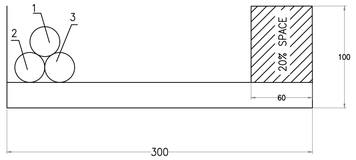
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File Name : 123A90-DDL-EL-DL-20108

DRAWING NO. 123A90-DDL-EL-DL-20108

REV. 01

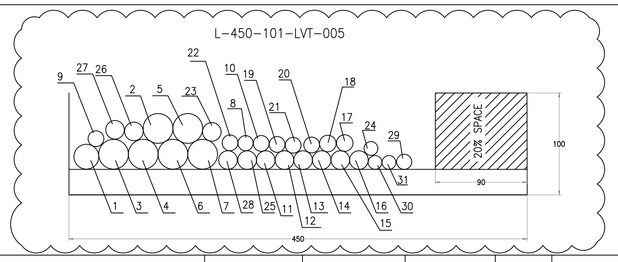
L-300-101-MVT-006



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	TA-30	POWER CABLE	P2	1C x 70
2	82003-CEM-1-L2	6.6/0.4 KV, 1.25MVA TRANSFORMER	SG-100D1	TA-30	POWER CABLE	P2	1C x 70
3	82003-CEM-1-L3	6.6/0.4 KV, 1.25MVA TRANSFORMER	SG-100D1	TA-30	POWER CABLE	P2	1C x 70

01

L-450-101-LVT-005

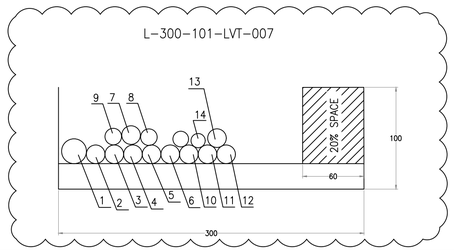


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83025-CEL	HVAC PANEL – UPS ROOM	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
2	83028-CEL	AC UPS PAS – 30MIN – LINE A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
3	83029-CEL	AC UPS PAS – 30MIN – LINE B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
4	83030-CEL	AC UPS PAS – 30MIN – BYPASS	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
5	83031-CEL	AC UPS F&G – 8H – LINE A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
6	83032-CEL	AC UPS F&G – 8H – LINE B	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
7	83033-CEL	AC UPS F&G – 8H – BYPASS	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
01 8	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-02	POWER CABLE	P5	2C X 2.5
9	72203-CEL	TOP OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
10	72211-CEL	INTERMEDIATE OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-02	POWER CABLE	P5	3G2.5
11	84301-CEL	SIS – CONTROLLER AND I/O CABINET – LINE A	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
12	84302-CEL	SIS – CONTROLLER AND I/O CABINET – LINE B	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
13	84303-CEL	PCS – CONTROLLER AND I/O CABINET – LINE A	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
14	84304-CEL	PCS – CONTROLLER AND I/O CABINET – LINE B	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
15	84305-CEL	EMCS – CONTROLLER AND I/O CABINET – LINE A	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
16	84306-CEL	EMCS – CONTROLLER AND I/O CABINET – LINE B	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
17	84307-CEL	SERVER CABINET ITER – LINE A	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
18	84308-CEL	SERVER CABINET ITER – LINE B	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
19	84318-CEL	LV SWITCHBOARD AUXILIARY	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5
20	84319-CEL	LV SWBD 800/460V AUXILIARY	DP-200F3	SG-200D2	POWER CABLE	P5	3G2.5
21	84313-CEL	UCP – WATER PACKAGE	DP-200F3	JB-500F8	POWER CABLE	P5	3G2.5
01 22	84314-CEL	UCP – HVAC HV ROOM	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
23	84315-CEL	UCP – HVAC LV ROOM	DP-200F3	B200-HSB-001	POWER CABLE	P5	3G2.5
24	P-ELF-200N1-03-L2-01	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-01	ELF-200N1-03-L2-01	POWER CABLE	P4	3G2.5
25	84401-CEL	FGS FIRE & GAS PANEL – LINE A	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
26	84402-CEL	FGS FIRE & GAS PANEL – LINE B	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
27	84403-CEL	SYSTEM SERVER / NETWORK CABINET – LINE A	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
28	84404-CEL	SYSTEM SERVER / NETWORK CABINET – LINE B	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
29	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
30	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5
31	83123-CEL	AC UPS F&G AUXILIARY	DP-200N1	UP-200F4	POWER CABLE	P4	3G2.5

01

01

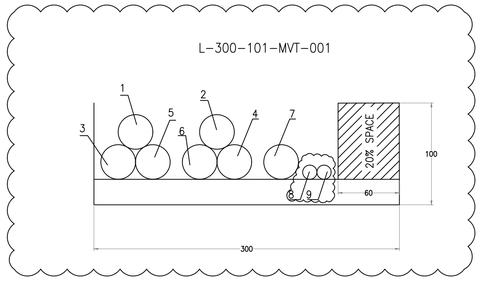
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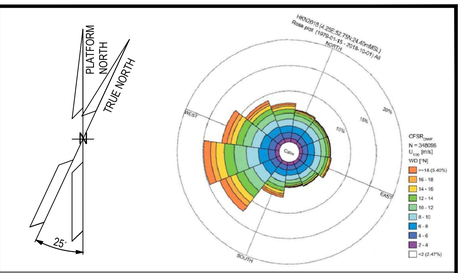
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
01 1	83026-CEL	HVAC PANEL – ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
2	84301-CEL	SIS – CONTROLLER AND I/O CABINET – LINE A	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
3	84302-CEL	SIS – CONTROLLER AND I/O CABINET – LINE B	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
4	84303-CEL	PCS – CONTROLLER AND I/O CABINET – LINE A	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
5	84304-CEL	PCS – CONTROLLER AND I/O CABINET – LINE B	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
6	84305-CEL	EMCS – CONTROLLER AND I/O CABINET – LINE A	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
7	84306-CEL	EMCS – CONTROLLER AND I/O CABINET – LINE B	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
8	84307-CEL	SERVER CABINET ITER – LINE A	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
9	84308-CEL	SERVER CABINET ITER – LINE B	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
10	84401-CEL	FGS FIRE & GAS PANEL – LINE A	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
11	84402-CEL	FGS FIRE & GAS PANEL – LINE B	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
12	84403-CEL	SYSTEM SERVER / NETWORK CABINET – LINE A	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
13	84404-CEL	SYSTEM SERVER / NETWORK CABINET – LINE B	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
14	P-ELF-200N1-09-L2-11	EMERGENCY LIGHTING FIXTURE	ELF-200N1-09-L2-02	ELF-200N1-09-L2-11	POWER CABLE	P4	4G2.5_E

01

L-300-101-MVT-001



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	1C x 150
2	82001-CEM-2-L1	6.6KV HV SWITCHGEAR	TR-100AD1	SG-100D1	POWER CABLE	P2	1C x 150
3	82001-CEM-1-L2	6.6KV HV SWITCHGEAR	TR-100AD1	SG-100D1	POWER CABLE	P2	1C x 150
4	82001-CEM-2-L2	6.6KV HV SWITCHGEAR	TR-100AD1	SG-100D1	POWER CABLE	P2	1C x 150
5	82001-CEM-1-L3	6.6KV HV SWITCHGEAR	TR-100AD1	SG-100D1	POWER CABLE	P2	1C x 150
6	82001-CEM-2-L3	6.6KV HV SWITCHGEAR	TR-100AD1	SG-100D1	POWER CABLE	P2	1C x 150
7	82001-CEM-1-N	NER	TR-100AD1	RR-100D1	POWER CABLE	P2	1C x 150
01 8	P-ELF-200N1-09-L2-09	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-02	ELF-200N1-09-L2-09	POWER CABLE	P4	4G2.5_E
9	P-ELF-200N1-09-L2-08	EMERGENCY LIGHTING FIXTURE	ELF-200N1-09-L2-09	ELF-200N1-09-L2-08	POWER CABLE	P4	4G2.5_E



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

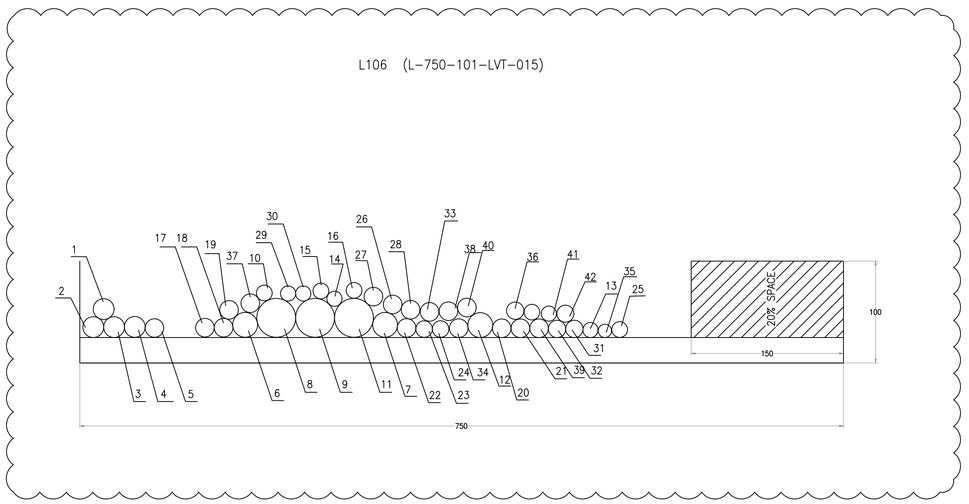
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DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 04of18	REV. 01

File Name : 123A90-DDL-EL-DL-20108

DRAWING NO. 123A90-DDL-EL-DL-20108

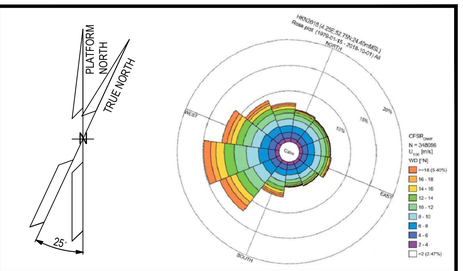
REV. 01

01



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	83012-CEL	FUEL CELL AUXILIARY LOAD	SG-200N1	A-80000	POWER CABLE	P4	5G16
7	83020-CEL	CRANE	SG-200N1	JB-200E3	POWER CABLE	P4	5G16
01 8	83021-CEL-03	WELDING SOCKETS (TOP DECK) JB'S	JB-200E6	JB-200E7	POWER CABLE	P4	5G50
9	83022-CEL	WELDING SOCKET (LOWER DECK)	SG-200N1	JB-200E4	POWER CABLE	P4	5G50
10	72213-CEL	INTERMEDIATE OBSTRUCTION RED LIGHTS	EJB-200F2-02	EOL-200-04	POWER CABLE	P5	3G2.5
01 11	83022-CEL-03	WELDING SOCKETS (LOWER DECK) JB'S	JB-200E4	JB-200E5	POWER CABLE	P4	5G50
12	83026-CEL	HVAC PANEL – ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
13	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
14	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-02	POWER CABLE	P5	2C X 2.5
15	72203-CEL	TOP OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
16	72211-CEL	INTERMEDIATE OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-02	POWER CABLE	P5	3G2.5
17	84301-CEL	SIS – CONTROLLER AND I/O CABINET – LINE A	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
18	84302-CEL	SIS – CONTROLLER AND I/O CABINET – LINE B	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
19	84303-CEL	PCS – CONTROLLER AND I/O CABINET – LINE A	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
20	84304-CEL	PCS – CONTROLLER AND I/O CABINET – LINE B	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
21	84305-CEL	EMCS – CONTROLLER AND I/O CABINET – LINE A	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
22	84306-CEL	EMCS – CONTROLLER AND I/O CABINET – LINE B	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
23	84307-CEL	SERVER CABINET ITER – LINE A	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
24	84308-CEL	SERVER CABINET ITER – LINE B	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
01 25	P-EJB-200N1-08-L1-04	EMERGENCY LIGHTING UPPER DECK	DP-200N1	EJB-200N1-08-L1-04	POWER CABLE	P4	4G4_E

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
27	84313-CEL	UCP – WATER PACKAGE	DP-200F3	JB-500F8	POWER CABLE	P5	3G2.5
28	84314-CEL	UCP – HVAC HV ROOM	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
29	P-EJB-200N1-02-L1-01	NORMAL LIGHTING UPPER DECK	DP-200N1	EJB-200N1-02-L1-01	POWER CABLE	P4	3G4
30	P-EJB-200N1-03-L2-01	NORMAL LIGHTING LOWER DECK	DP-200N1	EJB-200N1-03-L2-01	POWER CABLE	P4	3G4
01 31	P-EJB-200N1-02-L1-02	NORMAL LIGHTING JB	EJB-200N1-02-L1-01	EJB-200N1-02-L1-02	POWER CABLE	P5	3G4
32	P-EJB-200N1-02-L1-19	NORMAL LIGHTING JB	EJB-200N1-02-L1-01	EJB-200N1-02-L1-19	POWER CABLE	P5	3G4
33	P-EJB-200N1-08-L1-16	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-04	EJB-200N1-08-L1-16	POWER CABLE	P5	4G4_E
34	P-EJB-200N1-08-L1-01	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-04	EJB-200N1-08-L1-01	POWER CABLE	P5	4G4_E
35	P-ELF-200N1-03-L2-01	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-01	ELF-200N1-03-L2-01	POWER CABLE	P4	3G2.5
36	P-EPH-200N1-01	TWILIGHT RELAY SENSOR	DP-200N1	EPH-200N1-01	POWER CABLE	P5	3G4
37	84401-CEL	FGS FIRE & GAS PANEL – LINE A	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
38	84402-CEL	FGS FIRE & GAS PANEL – LINE B	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
39	84403-CEL	SYSTEM SERVER / NETWORK CABINET – LINE A	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
40	84404-CEL	SYSTEM SERVER / NETWORK CABINET – LINE B	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
01 41	P-EJB-200N1-03-L2-02	NORMAL LIGHTING JB	EJB-200N1-03-L2-01	EJB-200N1-03-L2-02	POWER CABLE	P4	3G4
42	P-ELF-200N1-09-L2-11	EMERGENCY LIGHTING FIXTURE	ELF-200N1-09-L2-02	ELF-200N1-09-L2-11	POWER CABLE	P4	4G2.5_E
43							
44							



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

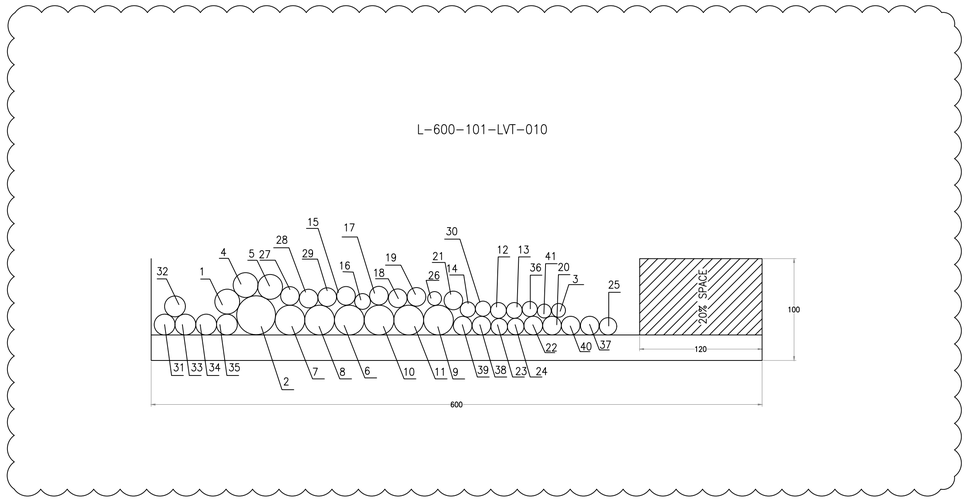
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DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 05of18	REV. 01

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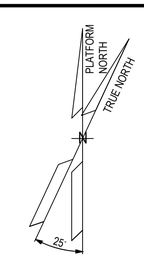
REV. 01

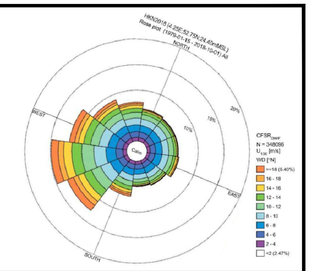
01



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	83021-CEL	WELDING SOCKET (TOP DECK)	SG-200N1	JB-200E6	POWER CABLE	P4	5G50
01 3	83123-CEL	AC UPS F&G AUXILIARY	DP-200N1	UP-200F4	POWER CABLE	P4	3G2.5
4	83025-CEL	HVAC PANEL - UPS ROOM	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
5	83026-CEL	HVAC PANEL - ITER	SG-200N1	B400-HSB-001	POWER CABLE	P4	5G16
6	83028-CEL	AC UPS PAS - 30MIN - LINE A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
7	83029-CEL	AC UPS PAS - 30MIN - LINE B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
8	83030-CEL	AC UPS PAS - 30MIN - BYPASS	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
9	83031-CEL	AC UPS F&G - 8H - LINE A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
10	83032-CEL	AC UPS F&G - 8H - LINE B	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
11	83033-CEL	AC UPS F&G - 8H - BYPASS	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
01 12	84318-CEL	LV SWITCHBOARD AUXILIARY	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5
13	84319-CEL	LV SWBD 800/460V AUXILIARY	DP-200F3	SG-200D2	POWER CABLE	P5	3G2.5
14	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-02	POWER CABLE	P5	2C X 2.5
15	72203-CEL	TOP OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
16	72211-CEL	INTERMEDIATE OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-02	POWER CABLE	P5	3G2.5
17	84301-CEL	SIS - CONTROLLER AND I/O CABINET - LINE A	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
18	84302-CEL	SIS - CONTROLLER AND I/O CABINET - LINE B	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
19	84303-CEL	PCS - CONTROLLER AND I/O CABINET - LINE A	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
20	84304-CEL	PCS - CONTROLLER AND I/O CABINET - LINE B	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
21	84305-CEL	EMCS - CONTROLLER AND I/O CABINET - LINE A	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
22	84306-CEL	EMCS - CONTROLLER AND I/O CABINET - LINE B	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
23	84307-CEL	SERVER CABINET ITER - LINE A	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
24	84308-CEL	SERVER CABINET ITER - LINE B	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
01 25	P-EPH-200N1-01	TWILIGHT RELAY SENSOR	DP-200N1	EPH-200N1-01	POWER CABLE	P5	3G4

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
01 26	P-ELF-200N1-03-L2-01	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-01	ELF-200N1-03-L2-01	POWER CABLE	P4	3G2.5
27	84313-CEL	UCP - WATER PACKAGE	DP-200F3	CP-500F01	POWER CABLE	P5	3G2.5
28	84314-CEL	UCP - HVAC HV ROOM	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
29	84315-CEL	UCP - HVAC LV ROOM	DP-200F3	B200-HSB-001	POWER CABLE	P5	3G2.5
01 30	P-EJB-200N1-03-L2-01	NORMAL LIGHTING LOWER DECK	DP-200N1	EJB-200N1-03-L2-01	POWER CABLE	P4	3G4
31	83010-CEL-L1	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P3	1C x 95
32	83010-CEL-L2	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P3	1C x 95
33	83010-CEL-L3	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P3	1C x 95
34	83010-CEL-N	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P3	1C x 95
35	83010-CEL-PE	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P6	1C x 95
36	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
37	84401-CEL	FGS FIRE & GAS PANEL - LINE A	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
38	84402-CEL	FGS FIRE & GAS PANEL - LINE B	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
39	84403-CEL	SYSTEM SERVER / NETWORK CABINET - LINE A	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
40	84404-CEL	SYSTEM SERVER / NETWORK CABINET - LINE B	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
41	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5





NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

- P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
- P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
- 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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

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 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 06of18	REV. 01

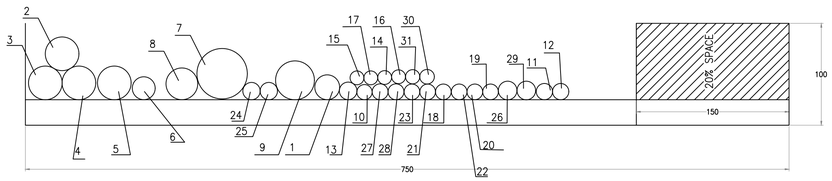
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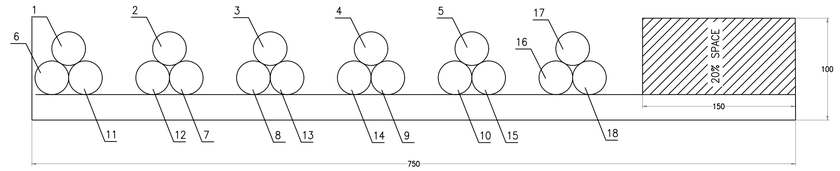
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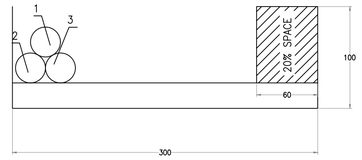
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83012-CEL	FUEL CELL AUXILIARY LOAD	SG-200N1	A-80000	POWER CABLE	P4	5G16
2	83013-CEL-L1	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
3	83013-CEL-L2	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
4	83013-CEL-L3	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
5	83013-CEL-N	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
6	83013-CEL-E	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	PE	P6	1C x 150
7	83016-CEL	WATER PACKAGE	SG-200N1	JB-500E8	POWER CABLE	P4	5G70
8	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
9	83022-CEL	WELDING SOCKET (LOWER DECK)	SG-200N1	JB-200E4	POWER CABLE	P4	5G50
10	P-EJB-200N1-02-L1-01	NORMAL LIGHTING UPPER DECK	DP-200N1	EJB-200N1-02-L1-01	POWER CABLE	P4	3G4
11	P-EJB-200N1-08-L1-04	EMERGENCY LIGHTING UPPER DECK	DP-200N1	EJB-200N1-08-L1-04	POWER CABLE	P4	4G4_E
12	P-EJB-200N1-10-L3-01	EMERGENCY LIGHTING STAIRS	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E
13	83112-CEL	AUXILIARY TRAFO OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
14	83113-CEL	AUXILIARY TRAFO AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5
15	83114-CEL	AUXILIARY TRAFO 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
16	83115-CEL	AUXILIARY TRAFO NER	DP-200N1	RR-100D1	POWER CABLE	P4	3G2.5
17	83116-CEL	AUXILIARY TRAFO 1.6MVA	DP-200N1	CP-200E1	POWER CABLE	P4	3G2.5
18	83001-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
19	83002-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
20	83003-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
21	83004-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
22	83005-CEC	6.6KV HV SWITCHGEAR	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
23	83006-CEC	6.6KV HV SWITCHGEAR	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
24	P-EJB-200N1-02-L1-02	NORMAL LIGHTING JB	EJB-200N1-02-L1-01	EJB-200N1-02-L1-02	POWER CABLE	P5	3G4
25	P-EJB-200N1-02-L1-19	NORMAL LIGHTING JB	EJB-200N1-02-L1-01	EJB-200N1-02-L1-19	POWER CABLE	P5	3G4
26	P-EJB-200N1-08-L1-16	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-04	EJB-200N1-08-L1-16	POWER CABLE	P5	4G4_E
27	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
28	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
29	P-EJB-200N1-08-L1-01	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-04	EJB-200N1-08-L1-01	POWER CABLE	P5	4G4_E
30	P-EJB-200N1-03-L2-02	NORMAL LIGHTING JB	EJB-200N1-03-L2-01	EJB-200N1-03-L2-02	POWER CABLE	P4	3G4
31	P-ELF-200N1-09-L2-11	EMERGENCY LIGHTING FIXTURE	ELF-200N1-09-L2-02	ELF-200N1-09-L2-11	POWER CABLE	P4	4G2.5_E

L-750-101-LVT-001



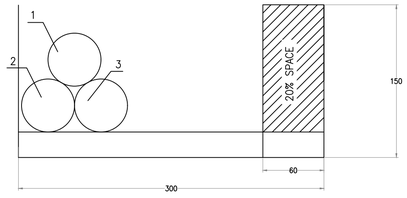
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83001-CEL-1-L1	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
2	83001-CEL-2-L1	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
3	83001-CEL-3-L1	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
4	83001-CEL-4-L1	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
5	83001-CEL-5-L1	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-4-L2	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
10	83001-CEL-5-L2	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
11	83001-CEL-1-L3	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
12	83001-CEL-2-L3	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
13	83001-CEL-3-L3	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
14	83001-CEL-4-L3	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
15	83001-CEL-5-L3	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
16	83001-CEL-1-N	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
17	83001-CEL-2-N	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300
18	83001-CEL-3-N	LV SWITCHGEAR	TR-200DE1	SG-200N1	POWER CABLE	P3	1C x 300

L-300-101-MVT-005



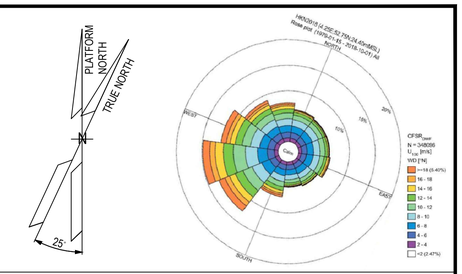
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82005-CEM-1-L1	6.6/0.62 KV, 1.25MVA TRANSFORMER	SG-100D1	18T1	POWER CABLE	P2	1C x 70
2	82005-CEM-1-L2	6.6/0.62 KV, 1.25MVA TRANSFORMER	SG-100D1	18T1	POWER CABLE	P2	1C x 70
3	82005-CEM-1-L3	6.6/0.62 KV, 1.25MVA TRANSFORMER	SG-100D1	18T1	POWER CABLE	P2	1C x 70

L109 (L-300-101-HVT-001)



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	81001-CEH-L1	66kV GIS	T-CONNECTOR	HNA6-AFA70	POWER CABLE	P1	1C x 300
2	81001-CEH-L2	66kV GIS	T-CONNECTOR	HNA6-AFA70	POWER CABLE	P1	1C x 300
3	81001-CEH-L3	66kV GIS	T-CONNECTOR	HNA6-AFA70	POWER CABLE	P1	1C x 300

01



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

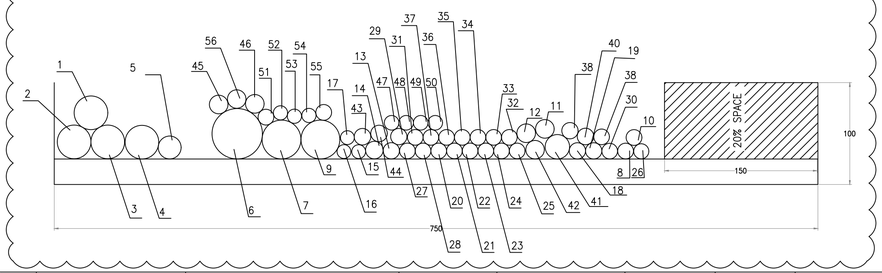
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 07of18	REV. 01

File Name : 123A90-DDL-EL-DL-20108

DRAWING NO. 123A90-DDL-EL-DL-20108

REV. 01

L105 (L-750-101-LVT-014)

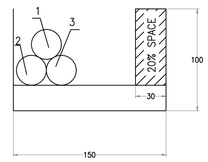


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83013-CEL-L1	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
2	83013-CEL-L2	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
3	83013-CEL-L3	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
4	83013-CEL-N	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
5	83013-CEL-E	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	PE	P6	1C x 150
6	83016-CEL	WATER PACKAGE	SG-200N1	JB-500E8	POWER CABLE	P4	5G70
7	83021-CEL-03	WELDING SOCKETS (TOP DECK) JB'S	JB-200E6	JB-200E7	POWER CABLE	P4	5G50
8	72211-CEL	INTERMEDIATE OBSTRUCTION LIGHTS JUNCTION BOX	E-MCT-301	EJB-200F2-02	POWER CABLE	P5	3G2.5
9	83022-CEL-03	WELDING SOCKETS (LOWER DECK) JB'S	JB-200E4	JB-200E5	POWER CABLE	P4	5G50
10	72213-CEL	INTERMEDIATE OBSTRUCTION RED LIGHTS	EJB-200F2-02	EOL-200-04	POWER CABLE	P5	3G2.5
11	84313-CEL	UCP - WATER PACKAGE	DP-200F3	JB-500F8	POWER CABLE	P5	3G2.5
12	84314-CEL	UCP - HVAC HV ROOM	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
13	P-EJB-200N1-10-L3-01	EMERGENCY LIGHTING STAIRS	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E
14	83112-CEL	AUXILIARY TRAFO OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
15	83113-CEL	AUXILIARY TRAFO AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5
16	83114-CEL	AUXILIARY TRAFO 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
17	83115-CEL	AUXILIARY TRAFO NER	DP-200N1	RR-100D1	POWER CABLE	P4	3G2.5
18	81001-CEC	LCP GIS	CP-100E4	CP-100E1	CONTROL CABLE	P8	4C X 4
19	81002-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P8	4C X 4
20	81003-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
21	81004-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
22	81005-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
23	81006-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
24	81007-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
25	81008-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
26	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
27	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-02	POWER CABLE	P5	2C X 2.5
28	72203-CEL	TOP OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
29	82002-CEC	66/6.6 kV, 7MVA TRANSFORMER	SG-100D1	CP-100AD1C	CONTROL CABLE	P8	4C X 4
30	P-EPH-200N1-01	TWILIGHT RELAY SENSOR	DP-200N1	EPH-200N1-01	POWER CABLE	P5	3G4
31	83001-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
32	83002-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
33	83003-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
34	83004-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
35	83005-CEC	6.6KV HV SWITCHGEAR	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
36	83006-CEC	6.6KV HV SWITCHGEAR	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
37	P-EJB-200N1-02-L1-03	NORMAL LIGHTING JB	EJB-200N1-02-L1-02	EJB-200N1-02-L1-03	POWER CABLE	P5	3G4
38	P-EJB-200N1-02-L1-19	NORMAL LIGHTING JB	EJB-200N1-02-L1-01	EJB-200N1-02-L1-19	POWER CABLE	P5	3G4
39	P-EJB-200N1-08-L1-16	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-04	EJB-200N1-08-L1-16	POWER CABLE	P5	4G4_E
40	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
41	P-EJB-200N1-05-L1-02	SMALL POWER SOCKET JB (UPPER DECK)	EJB-200N1-05-L1-01	EJB-200N1-05-L1-02	POWER CABLE	P4	3G10
42	P-EJB-200N1-06-L2-02	SMALL POWER SOCKET JB (LOWER DECK)	EJB-200N1-06-L2-01	EJB-200N1-06-L2-02	POWER CABLE	P4	3G10
43	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
44	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
45	P-EJB-200N1-08-L1-03	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-01	EJB-200N1-08-L1-03	POWER CABLE	P5	4G4_E
46	P-EJB-200N1-10-L3-04	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-01	EJB-200N1-10-L3-04	POWER CABLE	P5	4G4_E
47	P-EJB-200N1-03-L2-02	NORMAL LIGHTING JB	EJB-200N1-03-L2-01	EJB-200N1-03-L2-02	POWER CABLE	P4	3G4
48	P-EJB-200N1-03-L2-11	NORMAL LIGHTING JB	EJB-200N1-03-L2-02	EJB-200N1-03-L2-11	POWER CABLE	P4	3G4
49	P-EJB-200N1-03-L2-03	NORMAL LIGHTING JB	EJB-200N1-03-L2-02	EJB-200N1-03-L2-03	POWER CABLE	P4	3G4

L105 (L-750-101-LVT-014)

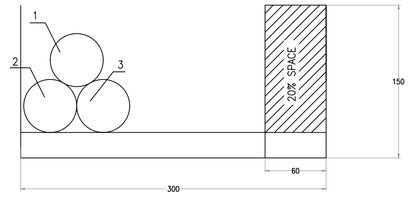
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
50	P-EJB-200N1-04-L3-02	STAIR NORMAL LIGHTING JB	EJB-200N1-04-L3-01	EJB-200N1-04-L3-02	POWER CABLE	P4	3G4
51	P-EJB-200N1-09-L2-02	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-04	EJB-200N1-09-L2-02	POWER CABLE	P4	4G4_E
52	P-ELF-200N1-09-L2-09	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-02	ELF-200N1-09-L2-09	POWER CABLE	P4	4G2.5_E
53	P-ELF-200N1-09-L2-02	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-02	ELF-200N1-09-L2-02	POWER CABLE	P4	4G2.5_E
54	P-ELF-200N1-09-L2-11	EMERGENCY LIGHTING FIXTURE	ELF-200N1-09-L2-02	ELF-200N1-09-L2-11	POWER CABLE	P4	4G2.5_E
55	P-EJB-200N1-09-L2-12	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-02	EJB-200N1-09-L2-12	POWER CABLE	P4	4G4_E
56	P-EJB-200N1-06-L2-03	SMALL POWER SOCKET JB (BELOW LOWER DECK)	EJB-200N1-06-L2-02	EJB-200N1-06-L2-03	POWER CABLE	P4	3G10

L-150-101-MVT-003



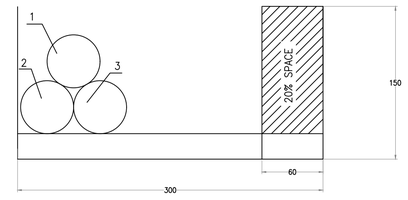
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82006-CEM-1-L1	6.6/0.8 KV, 0.5MVA TRANSFORMER	SG-100D1	TR-200ED1	POWER CABLE	P2	1C x 70
2	82006-CEM-1-L2	6.6/0.8 KV, 0.5MVA TRANSFORMER	SG-100D1	TR-200ED1	POWER CABLE	P2	1C x 70
3	82006-CEM-1-L3	6.6/0.8 KV, 0.5MVA TRANSFORMER	SG-100D1	TR-200ED1	POWER CABLE	P2	1C x 70

L-300-101-HVT-002

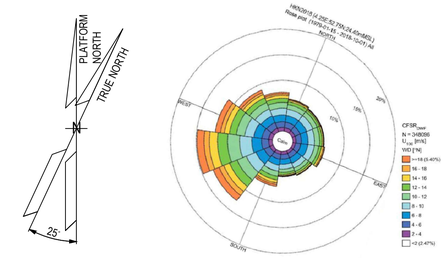


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	81001-CEH-L1	66kV GIS	T-CONNECTOR	HNA6-AFA70	POWER CABLE	P1	1C x 300
2	81001-CEH-L2	66kV GIS	T-CONNECTOR	HNA6-AFA70	POWER CABLE	P1	1C x 300
3	81001-CEH-L3	66kV GIS	T-CONNECTOR	HNA6-AFA70	POWER CABLE	P1	1C x 300

L110 (L-300-101-HVT-003)



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	81002-CEH-L1	66/6.6 kV, 7MVA TRANSFORMER	HNA6-AFA70	TR-100AD1	POWER CABLE	P1	1C x 300
2	81002-CEH-L2	66/6.6 kV, 7MVA TRANSFORMER	HNA6-AFA70	TR-100AD1	POWER CABLE	P1	1C x 300
3	81002-CEH-L3	66/6.6 kV, 7MVA TRANSFORMER	HNA6-AFA70	TR-100AD1	POWER CABLE	P1	1C x 300



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

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 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 08of18	REV. 01

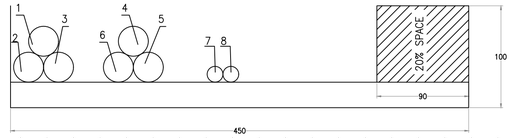
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REV. 01

01

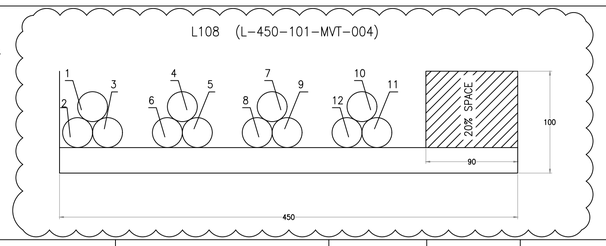
L107 (L-450-101-MVT-004)



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	1C x 70
2	82002-CEM-1-L2	6.6/0.4 KV, 1.6MVA TRANSFORMER	SG-100D1	TR-200DE1	POWER CABLE	P2	1C x 70
3	82002-CEM-1-L3	6.6/0.4 KV, 1.6MVA TRANSFORMER	SG-100D1	TR-200DE1	POWER CABLE	P2	1C x 70
4	82003-CEM-1-L1	6.6/0.4 KV, 1.25MVA TRANSFORMER	SG-100D1	TA-30	POWER CABLE	P2	1C x 70
5	82003-CEM-1-L2	6.6/0.4 KV, 1.25MVA TRANSFORMER	SG-100D1	TA-30	POWER CABLE	P2	1C x 70
01 6	82003-CEM-1-L3	6.6/0.4 KV, 1.25MVA TRANSFORMER	SG-100D1	TA-30	POWER CABLE	P2	1C x 70
7	P-EJB-200N1-09-L2-08	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-07	EJB-200N1-09-L2-08	POWER CABLE	P4	4G4_E
8	P-EJB-200N1-09-L2-02	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-04	EJB-200N1-09-L2-02	POWER CABLE	P4	4G4_E

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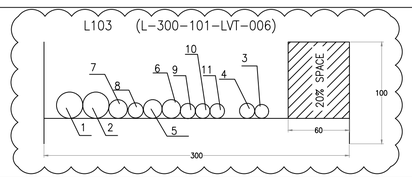
L108 (L-450-101-MVT-004)



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	1C x 70
2	82002-CEM-1-L2	6.6/0.4 KV, 1.6MVA TRANSFORMER	SG-100D1	TR-200DE1	POWER CABLE	P2	1C x 70
3	82002-CEM-1-L3	6.6/0.4 KV, 1.6MVA TRANSFORMER	SG-100D1	TR-200DE1	POWER CABLE	P2	1C x 70
4	82003-CEM-1-L1	6.6/0.4 KV, 1.25MVA TRANSFORMER	SG-100D1	TA-30	POWER CABLE	P2	1C x 70
5	82003-CEM-1-L2	6.6/0.4 KV, 1.25MVA TRANSFORMER	SG-100D1	TA-30	POWER CABLE	P2	1C x 70
6	82003-CEM-1-L3	6.6/0.4 KV, 1.25MVA TRANSFORMER	SG-100D1	TA-30	POWER CABLE	P2	1C x 70
7	82005-CEM-1-L1	6.6/0.62 KV, 1.25MVA TRANSFORMER	SG-100D1	18T1	POWER CABLE	P2	1C x 70
8	82005-CEM-1-L2	6.6/0.62 KV, 1.25MVA TRANSFORMER	SG-100D1	18T1	POWER CABLE	P2	1C x 70
01 9	82005-CEM-1-L3	6.6/0.62 KV, 1.25MVA TRANSFORMER	SG-100D1	18T1	POWER CABLE	P2	1C x 70
10	82006-CEM-1-L1	6.6/0.8 KV, 0.5MVA TRANSFORMER	SG-100D1	TR-200ED1	POWER CABLE	P2	1C x 70
11	82006-CEM-1-L2	6.6/0.8 KV, 0.5MVA TRANSFORMER	SG-100D1	TR-200ED1	POWER CABLE	P2	1C x 70
12	82006-CEM-1-L3	6.6/0.8 KV, 0.5MVA TRANSFORMER	SG-100D1	TR-200ED1	POWER CABLE	P2	1C x 70

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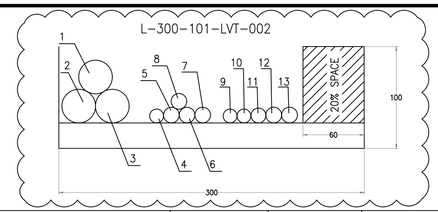
L103 (L-300-101-LVT-006)



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83036-CEL	DC UPS NAVAID SYSTEM – FEEDER A	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
2	83037-CEL	DC UPS NAVAID SYSTEM – FEEDER B	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
3	72217-CEC	NAV AIDS VISIBILITY METER	NC-200F2	EVM-200-01	CONTROL CABLE	P7	7C X 1.5
4	72207-CEC	NAV AIDS PHOTOCELL	NC-200F2	EPH-200-01	CONTROL CABLE	P5	2C X 2.5
5	84311-CEL	UCP – INSTRUMENT AIR PACKAGE A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
01 6	84312-CEL	UCP – N2 PACKAGE	DP-200F3	CP-640E1	POWER CABLE	P5	3G2.5
7	84317-CEL	UCP – HVAC ITER	DP-200F3	B400-HSB-001	POWER CABLE	P5	3G2.5
8	72201-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-01	POWER CABLE	P5	2C X 2.5
9	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
10	P-EJB-200N1-03-L2-05	NORMAL LIGHTING JB	EJB-200N1-03-L2-04	EJB-200N1-03-L2-05	POWER CABLE	P4	3G4
11	P-EJB-200N1-03-L2-06	NORMAL LIGHTING JB	EJB-200N1-03-L2-07	EJB-200N1-03-L2-06	POWER CABLE	P4	3G4

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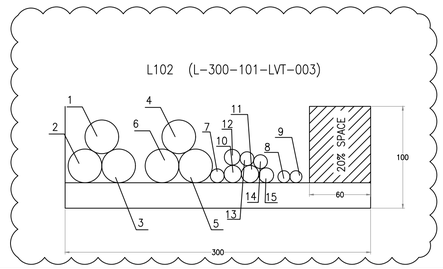
L-300-101-LVT-002



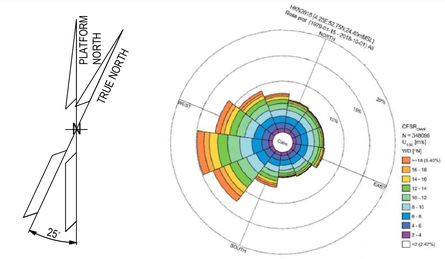
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83003-CEL-L1	6.6/0.8 kV TRANSFORMER	SG-200D2	TR-200ED1	POWER CABLE	P3	1C x 300
2	83003-CEL-L2	6.6/0.8 kV TRANSFORMER	SG-200D2	TR-200ED1	POWER CABLE	P3	1C x 300
3	83003-CEL-L3	6.6/0.8 kV TRANSFORMER	SG-200D2	TR-200ED1	POWER CABLE	P3	1C x 300
4	83117-CEL	AUXILIARY TRAFO SOLAR 0.5MVA	DP-200N1	CP-200E2	POWER CABLE	P4	3G2.5
5	83011-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
6	83012-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
01 7	83013-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
8	83014-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
9	P-ELF-200N1-03-L2-03	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-03	ELF-200N1-03-L2-03	POWER CABLE	P4	3G2.5
10	P-ELF-200N1-03-L2-04	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-03	ELF-200N1-03-L2-04	POWER CABLE	P4	3G2.5
11	P-ELF-200N1-09-L2-04	EMERGENCY LIGHTING FIXTURE	ELF-200N1-09-L2-06	ELF-200N1-09-L2-04	POWER CABLE	P4	4G2.5_E
12	P-EJB-200N1-09-L2-02	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-04	EJB-200N1-09-L2-02	POWER CABLE	P4	4G4_E
13	P-ELS-200N1-09-L2-01	LOCAL SWITCH	EJB-200N1-09-L2-04	ELS-200N1-09-L2-01	POWER CABLE	P4	4G4_E

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L102 (L-300-101-LVT-003)



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83002-CEL-L1	LV SWBD 800/460 V	JB-200E1	SG-200D2	POWER CABLE	P3	1C x 300
2	83002-CEL-L2	LV SWBD 800/460 V	JB-200E1	SG-200D2	POWER CABLE	P3	1C x 300
3	83002-CEL-L3	LV SWBD 800/460 V	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	83117-CEL	AUXILIARY TRAFO SOLAR 0.5MVA	DP-200N1	CP-200E2	POWER CABLE	P4	3G2.5
8	5W2.1	ICCP- JBEX	CN-200N1	EAJ-200-02	CONTROL CABLE	C1	2C X 2.5
9	6W2.1	ICCP- JBIN	CN-200N1	EAJ-200-01	CONTROL CABLE	C1	2C X 2.5
10	7WD3	ICCP- JBEX	CN-200N1	EAJ-200-02	POWER CABLE	C2	1C X 70
11	7WD6.1	ICCP- JBIN	CN-200N1	EAJ-200-01	POWER CABLE	C2	1C X 70
01 12	P-ELS-200N1-09-L2-01	LOCAL SWITCH	EJB-200N1-09-L2-04	ELS-200N1-09-L2-01	POWER CABLE	P4	4G4_E
13	P-ELF-200N1-03-L2-03	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-03	ELF-200N1-03-L2-03	POWER CABLE	P4	3G2.5
14	P-ELF-200N1-03-L2-04	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-03	ELF-200N1-03-L2-04	POWER CABLE	P4	3G2.5
15	P-ELF-200N1-09-L2-01	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-01	ELF-200N1-09-L2-01	POWER CABLE	P4	4G2.5_E



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

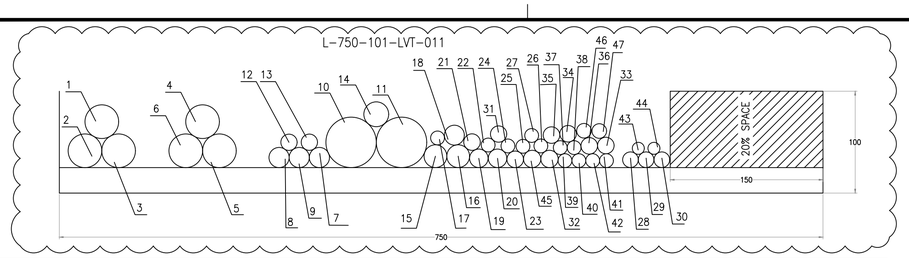
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 09of18	REV. 01

File Name : 123A90-DDL-EL-DL-20108

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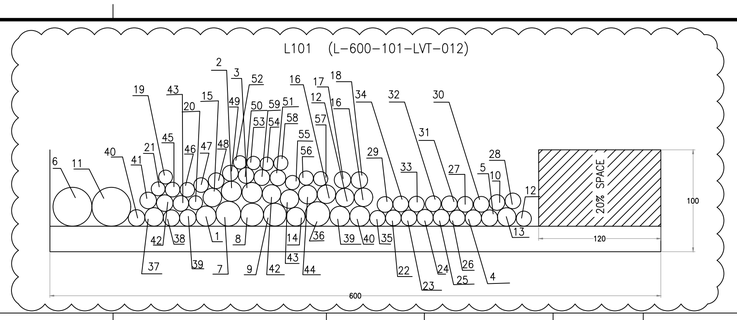
REV. 01

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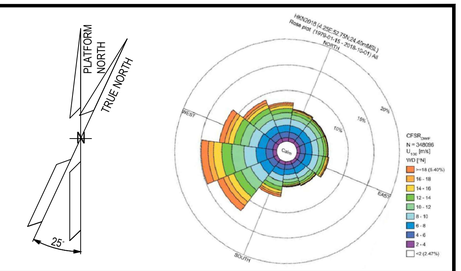


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83002-CEL-L1	LV SWBD 800/460 V	JB-200E1	SG-200D2	POWER CABLE	P3	1C x 300
2	83002-CEL-L2	LV SWBD 800/460 V	JB-200E1	SG-200D2	POWER CABLE	P3	1C x 300
3	83002-CEL-L3	LV SWBD 800/460 V	JB-200E1	SG-200D2	POWER CABLE	P3	1C x 300
01 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	83011-CEL	BESS PCS CABINET	SG-200N1	CP-850F3	POWER CABLE	P4	4C x 10
01 8	83014-CEL	BESS LV1 CABINET (+DISTR 1)	SG-200N1	CP-850F1	POWER CABLE	P4	4C x 10
9	83015-CEL	BESS LV2 CABINET (+DISTR 2)	SG-200N1	CP-850F2	POWER CABLE	P4	4C x 10
10	83017-CEL-1	INSTRUMENT AIR PACKAGE	SG-200N1	K-63001A	POWER CABLE	P4	5G70
11	83017-CEL-2	INSTRUMENT AIR PACKAGE	SG-200N1	K-63001B	POWER CABLE	P4	5G70
01 12	83018-CEL	SEA WATER INTAKE PUMP A	SG-200N1	PM-50001 A	POWER CABLE	P4	4G4
13	83019-CEL	SEA WATER INTAKE PUMP B	SG-200N1	PM-50001 B	POWER CABLE	P4	4G4
14	83023-CEL	DISTRIBUTION & HVAC PANEL – HV ROOM	SG-200N1	B100-HSB-001	POWER CABLE	P4	5G16
15	83034-CEL	DC BATTERY SYSTEM – SWITCHGEARS CONTROL – FEEDER A	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
01 16	83035-CEL	DC BATTERY SYSTEM – SWITCHGEARS CONTROL – FEEDER B	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
17	83101-CEL	UHF OPERATION AND VHF MARINE GMDSS PORTABLE RADIOS	DP-200N1	ECP-200N1-07-L3-01	POWER CABLE	P4	3G2.5
18	P-EJB-200N1-04-L3-01	NORMAL LIGHTING STAIRS	DP-200N1	E-MCT-201	POWER CABLE	P5	3G4
19	P-EJB-200N1-05-L1-01	SMALL POWER SOCKET (UPPER DECK)	DP-200N1	EJB-200N1-05-L1-01	POWER CABLE	P4	3G10
20	P-EJB-200N1-06-L2-01	SMALL POWER SOCKET (LOWER DECK)	DP-200N1	EJB-200N1-06-L2-01	POWER CABLE	P4	3G10
01 21	P-ETB-200N1-21-L2-01	TRACE HEATING – K-63001A SEA WATER PUMP A/B – FEEDER 8	DP-200N1	ETB-200N1-21-L2-01	POWER CABLE	P4	3G6
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	83123-CEL	AC UPS F&G AUXILIARY	DP-200N1	UP-200F4	POWER CABLE	P4	3G2.5
26	83110-CEL	UCP – INSTRUMENT AIR PACKAGE A-63000 AUXILIARY	DP-200N1	CP-630E1	POWER CABLE	P4	3G2.5
27	83111-CEL	UCP – N2 PACKAGE – AUXILIARY	DP-200N1	CP-640E1	POWER CABLE	P4	3G2.5
28	82008-CEC	SOLAR SWITCHGEAR	SG-100D1	SG-200D2	CONTROL CABLE	P7	7C X 1.5
29	82013-CEC	LV SWITCHGEAR	SG-100D1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
30	83015-CEC	6.6KV HV SWITCHGEAR	SG-200D2	SG-100D1	CONTROL CABLE	P7	7C X 1.5
31	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
32	7WD6.1	ICCP- JBIN	CN-200N1	EAJ-200-01	POWER CABLE	C2	1C X 70
01 33	P-ETB-200N1-17-L1-01	Trace Heating – Process Lines – Feeder 4	DP-200N1	ETB-200N1-17-L1-01	POWER CABLE	P4	3G6
34	P-ETB-200N1-18-L2-01	Trace Heating – Remote Instrument – Feeder 5	DP-200N1	ETB-200N1-18-L2-01	POWER CABLE	P4	3G6
35	P-ETB-200N1-20-L1-01	Trace Heating – V-43001 Vessel – Feeder 7	DP-200N1	ETB-200N1-20-L1-01	POWER CABLE	P4	3G6
36	P-ETB-200N1-19-L3-01	TRACE HEATING – VENT – FEEDER 6	DP-200N1	ETB-200N1-19-L3-01	POWER CABLE	P4	3G6
01 37	83104-CEL	SIS – CONTROLLER AND I/O CABINET – AUXILIARY	DP-200N1	B400-SIS-001	POWER CABLE	P4	3G2.5
38	83105-CEL	PCS – CONTROLLER AND I/O CABINET AUXILIARY	DP-200N1	B400-PCS-001	POWER CABLE	P4	3G2.5
39	83106-CEL	EMCS – CONTROLLER AND I/O CABINET AUXILIARY	DP-200N1	B400-EMCS-001	POWER CABLE	P4	3G2.5
40	83107-CEL	FGS FIRE & GAS PANEL – AUXILIARY	DP-200N1	B400-FGS-001	POWER CABLE	P4	3G2.5
41	83108-CEL	SYSTEM SERVER/NETWORK CABINET – AUXILIARY	DP-200N1	B400-NET-001	POWER CABLE	P4	3G2.5
42	83109-CEL	SERVER CABINET ITER – AUXILIARY	DP-200N1	B400-SRV-001	POWER CABLE	P4	3G2.5
43	5W2.1	ICCP- JBEX	CN-200N1	EAJ-200-02	CONTROL CABLE	C1	2C X 2.5
44	6W2.1	ICCP- JBIN	CN-200N1	EAJ-200-01	CONTROL CABLE	C1	2C X 2.5
45	7WD3	ICCP- JBEX	CN-200N1	EAJ-200-02	POWER CABLE	C2	1C X 70
46	83036-CEL	DC UPS NAVAID SYSTEM – FEEDER A	SG-200N1	UP-200F2	POWER CABLE	P4	3G4
47	83037-CEL	DC UPS NAVAID SYSTEM – FEEDER B	SG-200N1	UP-200F2	POWER CABLE	P4	3G4

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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-850E3	POWER CABLE	P4	4C x 10
2	83014-CEL	BESS LV1 CABINET (+DISTR 1)	SG-200N1	CP-850E1	POWER CABLE	P4	4C x 10
3	83015-CEL	BESS LV2 CABINET (+DISTR 2)	SG-200N1	CP-850E2	POWER CABLE	P4	4C x 10
4	83018-CEL	SEA WATER INTAKE PUMP A	SG-200N1	PM-50001 A	POWER CABLE	P4	4G4
5	83019-CEL	SEA WATER INTAKE PUMP B	SG-200N1	PM-50001 B	POWER CABLE	P4	4G4
01 6	83021-CEL-03	WELDING SOCKETS (TOP DECK) JB'S	JB-200E6	JB-200E7	POWER CABLE	P4	5G50
7	83023-CEL	HVAC PANEL – HV ROOM	SG-200N1	B100-HSB-001	POWER CABLE	P4	5G16
8	83034-CEL	DC BATTERY SYSTEM – SWITCHGEARS CONTROL – FEEDER A	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
9	83035-CEL	DC BATTERY SYSTEM – SWITCHGEARS CONTROL – FEEDER B	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
10	82014-CEC	6.6KV HV SWITCHGEAR	RR-100D1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
11	83022-CEL-03	WELDING SOCKETS (LOWER DECK) JB'S	JB-200E4	JB-200E5	POWER CABLE	P4	5G50
12	72207-CEC	NAV AIDS PHOTOCELL	NC-200F2	EPH-200-01	CONTROL CABLE	P5	2C X 2.5
01 13	72201-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-01	POWER CABLE	P5	2C X 2.5
14	84312-CEL	UCP – N2 PACKAGE	DP-200F3	CP-640E1	POWER CABLE	P5	3G2.5
15	P-EJB-200N1-04-L3-01	NORMAL LIGHTING STAIRS	DP-200N1	EJB-200N1-04-L3-01	POWER CABLE	P4	3G4
01 16	P-EJB-200N1-06-L2-01	SMALL POWER SOCKET JB (LOWER DECK)	DP-200N1	EJB-200N1-06-L2-01	POWER CABLE	P4	3G10
17	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
18	72217-CEC	NAV AIDS VISIBILITY METER	NC-200F2	EVM-200-01	CONTROL CABLE	P7	7C X 1.5
19	83111-CEL	UCP – N2 PACKAGE – AUXILIARY	DP-200N1	CP-640E1	POWER CABLE	P4	3G2.5
20	83118-CEL	AUXILIARY GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
21	83119-CEL	AUXILIARY 6.6kV SWITCHBOARD	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
22	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
23	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
24	82006-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4C X 4
25	82007-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4C X 4
26	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7C X 1.5
01 27	82013-CEC	LV SWITCHGEAR	SG-100D1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
28	83011-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
29	83012-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
30	83013-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
01 31	83014-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
32	83015-CEC	6.6KV HV SWITCHGEAR	SG-200D2	SG-100D1	CONTROL CABLE	P7	7C X 1.5
33	85001-CEC	6.6KV HV SWITCHGEAR	A-85000	SG-100D1	CONTROL CABLE	P7	7C X 1.5
34	85002-CEC	BESS UCP	B400-EMCS-001	A-85000	CONTROL CABLE	P7	7C X 1.5
35	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
36	P-EJB-200N1-05-L1-02	Small Power Socket JB (Upper Deck)	EJB-200N1-05-L1-01	EJB-200N1-05-L1-02	POWER CABLE	P4	3G10
37	P-EJB-200N1-06-L2-02	Small Power Socket JB (Lower Deck)	EJB-200N1-06-L2-01	EJB-200N1-06-L2-02	POWER CABLE	P4	3G10
38	P-EJB-200N1-09-L2-01	EMERGENCY LIGHTING LOWER DECK	DP-200N1	EJB-200N1-09-L2-01	POWER CABLE	P4	4G4_E
39	P-EJB-200N1-02-L1-03	NORMAL LIGHTING JB	EJB-200N1-02-L1-02	EJB-200N1-02-L1-03	POWER CABLE	P5	3G4
40	P-EJB-200N1-02-L1-14	NORMAL LIGHTING JB	EJB-200N1-02-L1-13	EJB-200N1-02-L1-14	POWER CABLE	P5	3G4
41	P-ETB-200N1-18-L2-01	Trace Heating – Remote Instrument – Feeder 5	DP-200N1	ETB-200N1-18-L2-01	POWER CABLE	P4	3G6
42	P-EJB-200N1-08-L1-03	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-01	EJB-200N1-08-L1-03	POWER CABLE	P5	4G4_E
43	P-EJB-200N1-08-L1-12	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-03	EJB-200N1-08-L1-12	POWER CABLE	P5	4G4_E
44	P-EJB-200N1-10-L3-04	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-01	EJB-200N1-10-L3-04	POWER CABLE	P5	4G4_E
01 45	P-EJB-200N1-03-L2-04	NORMAL LIGHTING JB	EJB-200N1-03-L2-03	EJB-200N1-03-L2-04	POWER CABLE	P4	3G4
46	P-EJB-200N1-03-L2-05	NORMAL LIGHTING JB	EJB-200N1-03-L2-04	EJB-200N1-03-L2-05	POWER CABLE	P4	3G4
47	P-EJB-200N1-04-L3-02	STAIR NORMAL LIGHTING JB	EJB-200N1-04-L3-01	EJB-200N1-04-L3-02	POWER CABLE	P4	3G4
48	P-EJB-200N1-09-L2-04	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-01	EJB-200N1-09-L2-04	POWER CABLE	P4	4G4_E
49	P-EJB-200N1-09-L2-02	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-04	EJB-200N1-09-L2-02	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.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

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 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 10of18	REV. 01

File Name : 123A90-DDL-EL-DL-20108

DRAWING NO. 123A90-DDL-EL-DL-20108

REV. 01

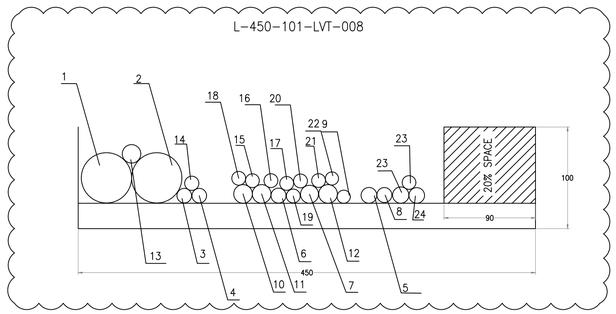
L101 (L-600-101-LVT-012)

△01

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
50	P-EJB-200N1-09-L2-07	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-01	EJB-200N1-09-L2-07	POWER CABLE	P4	4G4_E
51	P-ELF-200N1-02-L1-14	NORMAL LIGHTING FIXTURE	EJB-200N1-02-L1-03	ELF-200N1-02-L1-14	POWER CABLE	P5	3G2.5
52	P-ELF-200N1-03-L2-03	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-03	ELF-200N1-03-L2-03	POWER CABLE	P4	3G2.5
53	P-ELF-200N1-03-L2-05	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-04	ELF-200N1-03-L2-05	POWER CABLE	P4	3G2.5
54	P-ELF-200N1-04-L3-01	STAIR NORMAL LIGHTING FIXTURE	EJB-200N1-04-L3-01	ELF-200N1-04-L3-01	POWER CABLE	P4	3G2.5
55	P-ELF-200N1-09-L2-01	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-01	ELF-200N1-09-L2-01	POWER CABLE	P4	4G2.5_E
56	P-ELF-200N1-09-L2-10	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-01	ELF-200N1-09-L2-10	POWER CABLE	P4	4G2.5_E
57	P-ELF-200N1-09-L2-06	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-04	ELF-200N1-09-L2-06	POWER CABLE	P4	4G2.5_E
58	P-ELF-200N1-09-L2-07	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-04	ELF-200N1-09-L2-07	POWER CABLE	P4	4G2.5_E
59	P-ELS-200N1-09-L2-01	LOCAL SWITCH	EJB-200N1-09-L2-04	ELS-200N1-09-L2-01	POWER CABLE	P4	4G4_E
44							

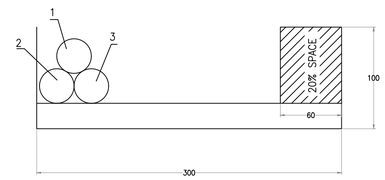
L-450-101-LVT-008

△01



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83017-CEL-1	INSTRUMENT AIR PACKAGE	SG-200N1	K-63001A	POWER CABLE	P4	5G70
2	83017-CEL-2	INSTRUMENT AIR PACKAGE	SG-200N1	K-63001B	POWER CABLE	P4	5G70
3	83036-CEL	DC UPS NAVAID SYSTEM – FEEDER A	SG-200N1	UP-200F2	POWER CABLE	P4	3G4
△01 4	83037-CEL	DC UPS NAVAID SYSTEM – FEEDER B	SG-200N1	UP-200F2	POWER CABLE	P4	3G4
5	72210-CEC	PCS	UP-200F2	B400-PCS-001	CONTROL CABLE	P5	2C X 2.5
6	72201-CEL	NAV AIDS MAIN WHITE LANTERNS	UP-200F2	EML-200-01	POWER CABLE	P5	2C X 2.5
7	P-EJB-200N1-05-L1-02	SMALL POWER SOCKET JB(UPPER DECK)	EJB-200N1-05-L1-01	EJB-200N1-05-L1-02	POWER CABLE	P4	3G10
8	72207-CEC	NAV AIDS PHOTOCELL	UP-200F2	EPH-200-01	CONTROL CABLE	P5	2C X 2.5
9	P-ELF-200N1-03-L2-05	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-04	ELF-200N1-03-L2-05	POWER CABLE	P4	3G2.5
10	84311-CEL	UCP – INSTRUMENT AIR PACKAGE A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
11	84312-CEL	UCP – N2 PACKAGE	DP-200F3	CP-640E1	POWER CABLE	P5	3G2.5
△01 12	84317-CEL	UCP – HVAC ITER	DP-200F3	B400-HSB-001	POWER CABLE	P5	3G2.5
13	P-EJB-200N1-05-L1-01	SMALL POWER SOCKET JB (UPPER DECK)	DP-200N1	EJB-200N1-05-L1-01	POWER CABLE	P4	3G10
14	P-ELF-200N1-09-L2-10	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-01	ELF-200N1-09-L2-10	POWER CABLE	P4	4G2.5_E
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 CABINET 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	P-ELF-200N1-03-L2-06	NORMAL LIGHTING FIXTURE	ELF-200N1-03-L2-05	ELF-200N1-03-L2-06	POWER CABLE	P4	3G2.5
23	72217-CEC	NAV AIDS VISIBILITY METER	UP-200F2	EVM-200-01	CONTROL CABLE	P7	7C X 1.5
24	85002-CEC	BESS UCP	B400-EMCS-001	A-85000	CONTROL CABLE	P7	7C X 1.5

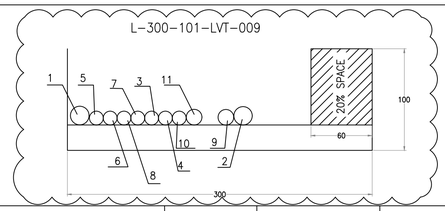
L-300-101-MVT-007



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	1C x 150
2	82004-CEM-1-L2	6.6/0.4/0.4 KV, 3.15MVA TRANSFORMER	SG-100D1	T4	POWER CABLE	P2	1C x 150
3	82004-CEM-1-L3	6.6/0.4/0.4 KV, 3.15MVA TRANSFORMER	SG-100D1	T4	POWER CABLE	P2	1C x 150

L-300-101-LVT-009

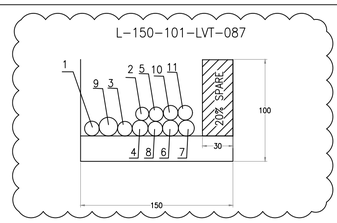
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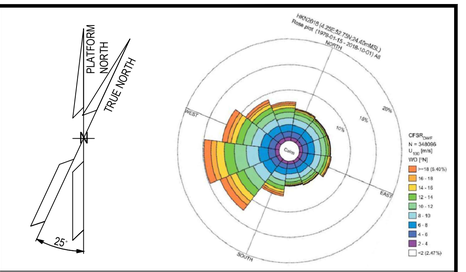
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
△01 1	84317-CEL	UCP – HVAC ITER	DP-200F3	B400-HSB-001	POWER CABLE	P5	3G2.5
2	72210-CEC	PCS	UP-200F2	B400-PCS-001	CONTROL CABLE	P5	2C X 2.5
3	83104-CEL	SIS – CONTROLLER AND I/O CABINET – AUXILIARY	DP-200N1	B400-SIS-001	POWER CABLE	P4	3G2.5
4	83105-CEL	PCS – CONTROLLER AND I/O CABINET AUXILIARY	DP-200N1	B400-PCS-001	POWER CABLE	P4	3G2.5
5	83106-CEL	EMCS – CONTROLLER AND I/O CABINET AUXILIARY	DP-200N1	B400-EMCS-001	POWER CABLE	P4	3G2.5
6	83107-CEL	FGS FIRE & GAS PANEL – AUXILIARY	DP-200N1	B400-FGS-001	POWER CABLE	P4	3G2.5
7	83108-CEL	SYSTEM SERVER/NETWORK CABINET – AUXILIARY	DP-200N1	B400-NET-001	POWER CABLE	P4	3G2.5
8	83109-CEL	SERVER CABINET ITER – AUXILIARY	DP-200N1	B400-SRV-001	POWER CABLE	P4	3G2.5
△01 9	85002-CEC	BESS	B400-EMCS-001	A-85000	CONTROL CABLE	P7	7C X 1.5
10	P-ELF-200N1-03-L2-06	NORMAL LIGHTING FIXTURE	ELF-200N1-03-L2-05	ELF-200N1-03-L2-06	POWER CABLE	P4	3G2.5
11	P-ELF-200N1-09-L2-10	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-01	ELF-200N1-09-L2-10	POWER CABLE	P4	4G2.5_E

L-150-101-LVT-087

△01



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-03-L2-02	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-01	EJB-200N1-03-L2-02	POWER CABLE	P4	3G4
2	P-ELF-200N1-03-L2-02	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-02	ELF-200N1-03-L2-02	POWER CABLE	P4	3G2.5
3	P-EJB-200N1-03-L2-03	NORMAL LIGHTING JB	EJB-200N1-03-L2-02	EJB-200N1-03-L2-03	POWER CABLE	P4	3G4
4	P-EJB-200N1-09-L2-02	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-04	EJB-200N1-09-L2-02	POWER CABLE	P4	4G4_E
△01 5	P-ELF-200N1-09-L2-03	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-02	ELF-200N1-09-L2-03	POWER CABLE	P4	4G2.5_E
6	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
7	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
8	P-EJB-200N1-03-L2-11	NORMAL LIGHTING JB	EJB-200N1-03-L2-02	EJB-200N1-03-L2-11	POWER CABLE	P4	3G4
9	P-EJB-200N1-09-L2-12	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-02	EJB-200N1-09-L2-12	POWER CABLE	P4	4G4_E
10	P-ELF-200N1-09-L2-09	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-02	ELF-200N1-09-L2-09	POWER CABLE	P4	4G2.5_E
11	P-ELF-200N1-09-L2-02	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-02	ELF-200N1-09-L2-02	POWER CABLE	P4	4G2.5_E



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

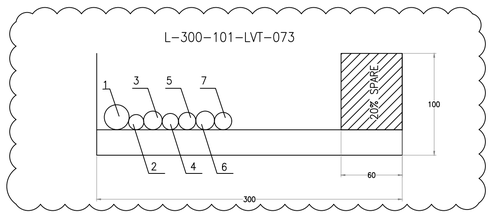
TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

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 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108		SHEET 11of18 / REV. 01

File Name : 123A90-DDL-EL-DL-20108

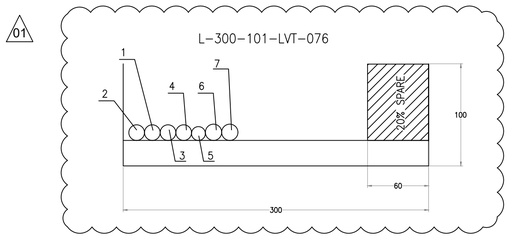
DRAWING NO. 123A90-DDL-EL-DL-20108 | REV. 01

01



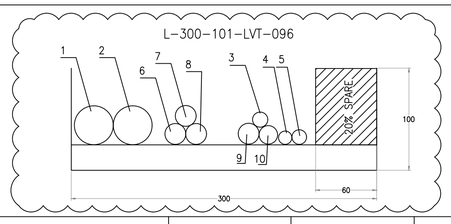
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83012-CEL	FUEL CELL AUXILIARY LOAD	SG-200N1	A-80000	POWER CABLE	P4	5G16
2	P-EJB-200N1-02-L1-01	NORMAL LIGHTING UPPER DECK	DP-200N1	EJB-200N1-02-L1-01	POWER CABLE	P4	3G4
3	P-EJB-200N1-08-L1-01	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-04	EJB-200N1-08-L1-01	POWER CABLE	P5	4G4_E
4	P-EJB-200N1-08-L1-04	EMERGENCY LIGHTING JB	DP-200N1	EJB-200N1-08-L1-04	POWER CABLE	P4	4G4_E
5	P-EJB-200N1-02-L1-02	NORMAL LIGHTING JB	EJB-200N1-02-L1-01	EJB-200N1-02-L1-02	POWER CABLE	P5	3G4
6	P-EJB-200N1-08-L1-16	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-04	EJB-200N1-08-L1-16	POWER CABLE	P5	4G4_E
7	P-EJB-200N1-02-L1-19	NORMAL LIGHTING JB	EJB-200N1-02-L1-01	EJB-200N1-02-L1-19	POWER CABLE	P5	3G4

01



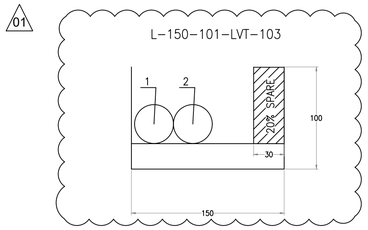
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83011-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
2	83012-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
3	83013-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
4	83014-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
5	P-ELF-200N1-03-L2-03	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-03	ELF-200N1-03-L2-03	POWER CABLE	P4	3G2.5
6	P-EJB-200N1-09-L2-02	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-04	EJB-200N1-09-L2-02	POWER CABLE	P4	4G4_E
7	P-ELS-200N1-09-L2-01	LOCAL SWITCH	EJB-200N1-09-L2-04	ELS-200N1-09-L2-01	POWER CABLE	P4	4G4_E

01



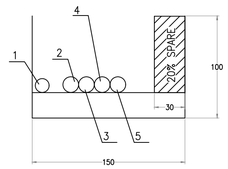
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83022-CEL	WELDING SOCKETS (LOWER DECK) JB'S	SG-200N1	JB-200E4 /JB-200E5	POWER CABLE	P4	5G50
2	83022-CEL-03	WELDING SOCKETS (LOWER DECK) JB'S	JB-200E4	JB-200E5	POWER CABLE	P4	5G50
3	P-EJB-200N1-03-L2-01	NORMAL LIGHTING LOWER DECK	DP-200N1	EJB-200N1-03-L2-01	POWER CABLE	P4	3G4
4	P-ELF-200N1-03-L2-01	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-01	ELF-200N1-03-L2-01	POWER CABLE	P4	3G2.5
5	P-EJB-200N1-03-L2-02	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-01	EJB-200N1-03-L2-02	POWER CABLE	P4	3G4
6	83010-CEL-L1	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P3	1C x 95
7	83010-CEL-L2	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P3	1C x 95
8	83010-CEL-L3	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P3	1C x 95
9	83010-CEL-N	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P3	1C x 95
10	83010-CEL-PE	TEMPORARY GENERATOR/MOBILE BATTERY PACK	SG-200N1	JB-200E2	POWER CABLE	P6	1C x 95

01



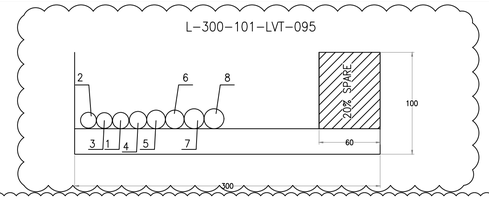
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83021-CEL	WELDING SOCKET (TOP DECK)	SG-200N1	JB-200E6 /JB-200E7	POWER CABLE	P4	5G50
2	83021-CEL-03	WELDING SOCKET (TOP DECK)	JB-200E6	JB-200E7	POWER CABLE	P4	5G50

L-150-101-LVT-092



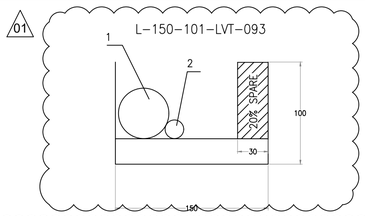
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83116-CEL	AUXILIARY TRAFO 1.6MVA	DP-200N1	CP-200E1	POWER CABLE	P4	3G2.5
2	83001-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
3	83002-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
4	83003-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
5	83004-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5

01

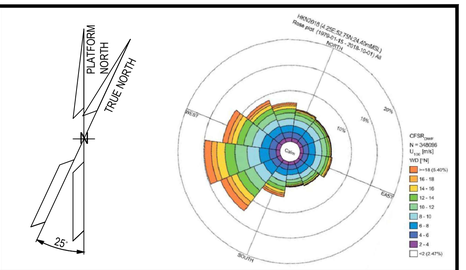


SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-08-L1-01	EMERGENCY LIGHTING UPPER DECK – CIRCUIT NO. 1	DP-200N1	EJB-200N1-08-L1-01	POWER CABLE	P4	4G4_E
2	72203-CEL	TOP OBSTRUCTION LIGHTS JUNCTION BOX	UP-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
3	72211-CEL	INTERMEDIATE OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-02	POWER CABLE	P5	3G2.5
4	72213-CEL	INTERMEDIATE OBSTRUCTION RED LIGHTS	EJB-200F2-02	EOL-200-04	POWER CABLE	P5	3G2.5
5	P-EJB-200N1-08-L1-03	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-02	EJB-200N1-08-L1-03	POWER CABLE	P5	4G4_E
6	P-EJB-200N1-08-L1-01	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-04	EJB-200N1-08-L1-01	POWER CABLE	P5	4G4_E
7	P-EJB-200N1-02-L1-02	NORMAL LIGHTING JB	EJB-200N1-02-L1-01	EJB-200N1-02-L1-02	POWER CABLE	P5	3G4
8	P-EJB-200N1-02-L1-03	NORMAL LIGHTING JB	EJB-200N1-02-L1-02	EJB-200N1-02-L1-03	POWER CABLE	P5	3G4

01



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	84313-CEL	UCP – WATER PACKAGE	DP-200F3	JB-500E8	POWER CABLE	P5	3G2.5



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

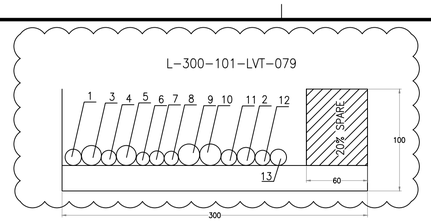
CROSSWIND | ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

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 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 12of18	REV. 01

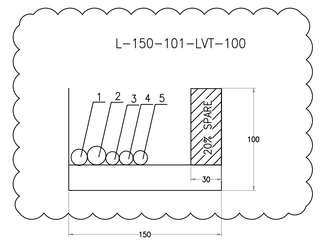
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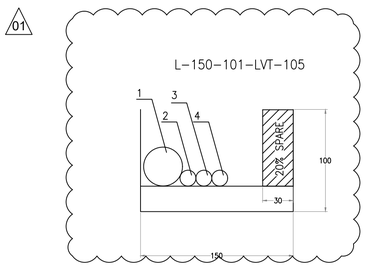
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-10-L3-01	EMERGENCY LIGHTING STAIRS	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E
2	P-EJB-200N1-06-L2-03	SMALL POWER SOCKET JB (BELOW LOWER DECK)	EJB-200N1-06-L2-02	EJB-200N1-06-L2-03	POWER CABLE	P4	3G10
01 3	P-EPH-200N1-01	TWILIGHT RELAY SENSOR	DP-200N1	EPH-200N1-01	POWER CABLE	P5	3G4
4	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-01	POWER CABLE	P5	2C X 2.5
01 5	P-EJB-200N1-02-L1-19	NORMAL LIGHTING JB	EJB-200N1-02-L1-01	EJB-200N1-02-L1-19	POWER CABLE	P5	3G4
01 6	P-ELF-200N1-04-L3-02	STAIR NORMAL LIGHTING FIXTURE	EJB-200N1-04-L3-02	ELF-200N1-04-L3-02	POWER CABLE	P4	3G2.5
7	P-EJB-200N1-08-L1-16	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-04	EJB-200N1-08-L1-16	POWER CABLE	P5	4G4_E
01 8	P-EJB-200N1-10-L3-02	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-01	EJB-200N1-10-L3-02	POWER CABLE	P4	4G4_E
9	P-EJB-200N1-10-L3-04	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-01	EJB-200N1-10-L3-04	POWER CABLE	P5	4G4_E
10	P-EJB-200N1-10-L3-03	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-02	EJB-200N1-10-L3-03	POWER CABLE	P5	4G4_E
11	P-EJB-200N1-03-L2-11	NORMAL LIGHTING JB	EJB-200N1-03-L2-02	EJB-200N1-03-L2-11	POWER CABLE	P4	3G4
12	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
13	P-EJB-200N1-09-L2-12	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-02	EJB-200N1-09-L2-12	POWER CABLE	P4	4G4_E

01



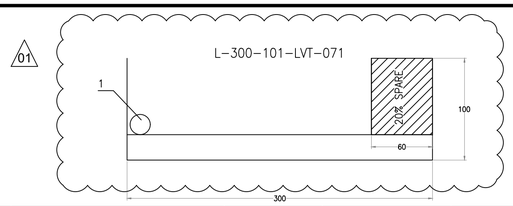
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-10-L3-01	EMERGENCY LIGHTING STAIRS	DP-200N1	EJB-200N1-10-L3-01	POWER CABLE	P4	4G4_E
01 2	P-EJB-200N1-10-L3-04	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-01	EJB-200N1-10-L3-04	POWER CABLE	P5	4G4_E
01 3	P-ELF-200N1-04-L3-02	STAIR NORMAL LIGHTING FIXTURE	EJB-200N1-04-L3-02	ELF-200N1-04-L3-02	POWER CABLE	P4	3G2.5
4	P-ELF-200N1-04-L3-02	STAIR NORMAL LIGHTING FIXTURE	EJB-200N1-04-L3-02	ELF-200N1-04-L3-02	POWER CABLE	P4	3G2.5
5	P-EJB-200N1-10-L3-02	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-01	EJB-200N1-10-L3-02	POWER CABLE	P4	4G4_E

01



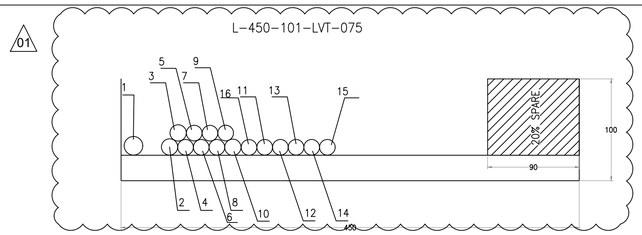
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
01 1	83021-CEL-03	WELDING SOCKETS (TOP DECK) JB'S	JB-200E6	JB-200E7	POWER CABLE	P4	5G50
2	P-EJB-200N1-17-L1-01	TRACE HEATING - PROCESS LINES - FEEDER 4 (WW LINES) COLD JB	DP-200N1	EJB-200N1-17-L1-01	POWER CABLE	P4	3G6
3	P-ETB-200N1-18-L2-01	TRACE HEATING - REMOTE INSTRUMENT - FEEDER 5	DP-200N1	ETB-200N1-18-L2-01	POWER CABLE	P4	3G6

01



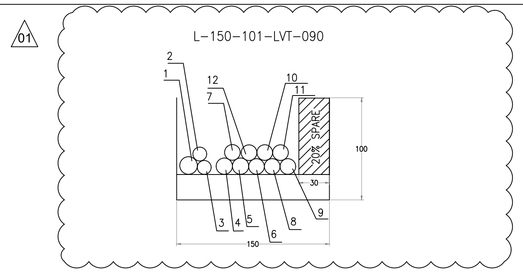
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
01 1	83014-CEL	BESS LV1 CABINET (+DISTR 1)	SG-200N1	CP-850E1	POWER CABLE	P4	4C x 10

01

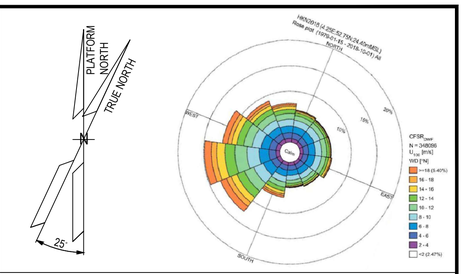


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84314-CEL	UCP - HVAC HV ROOM	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
2	81001-CEC	LCP GIS	CP-100E4	CP-100E1	CONTROL CABLE	P8	4C X 4
3	81002-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P8	4C X 4
4	81003-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
5	81004-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
6	81005-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
7	81006-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
8	81007-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
9	81008-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
01 10	82002-CEC	66/6.6 kV, 7MVA TRANSFORMER	SG-100D1	CP-100AD1C	CONTROL CABLE	P8	4C X 4
11	83001-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
12	83002-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
13	83003-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
14	83004-CEC	6.6KV HV SWITCHGEAR	CP-200DE1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
15	83005-CEC	6.6KV HV SWITCHGEAR	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
16	83006-CEC	6.6KV HV SWITCHGEAR	SG-200N1	SG-100D1	CONTROL CABLE	P7	7C X 1.5

01



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
01 1	83112-CEL	AUXILIARY TRAFO OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
01 2	83113-CEL	AUXILIARY TRAFO AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5
01 3	83114-CEL	AUXILIARY TRAFO 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
4	81001-CEC	LCP GIS	CP-100E4	CP-100E1	CONTROL CABLE	P8	4C X 4
5	81002-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P8	4C X 4
6	81003-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
7	81004-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
8	81005-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
9	81006-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
10	81007-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
11	81008-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
12	82002-CEC	66/6.6 kV, 7MVA TRANSFORMER	SG-100D1	CP-100AD1C	CONTROL CABLE	P8	4C X 4



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

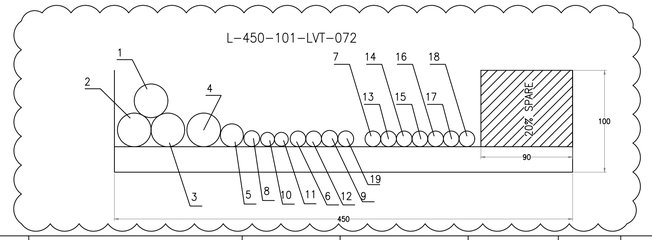
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DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 30/07/24
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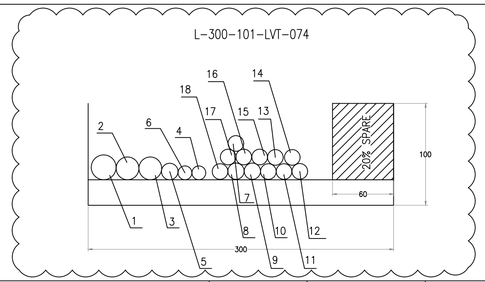
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REV. 01

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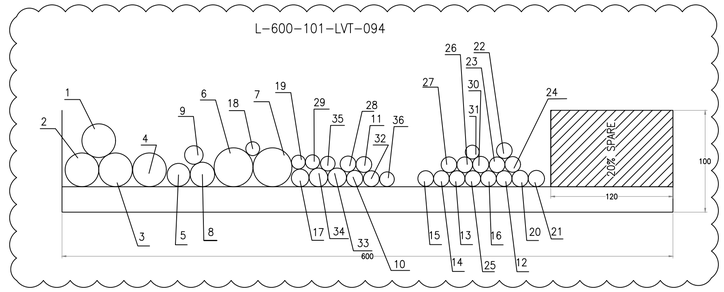


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83013-CEL-L1	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
2	83013-CEL-L2	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
3	83013-CEL-L3	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
4	83013-CEL-N	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P6	1C x 300
5	83013-CEL-E	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	PE	P6	1C x 150
6	81001-CEC	LCP GIS	CP-100E4	CP-100E1	CONTROL CABLE	P8	4C X 4
7	20001-CEC	6.6KV HV SWITCHGEAR	A-20000	SG-100D1	CONTROL CABLE	P7	7C X 1.5
8	72213-CEL	INTERMEDIATE OBSTRUCTION RED LIGHTS	EJB-200F2-02	EOL-200-04	POWER CABLE	P5	3G2.5
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
11	83114-CEL	AUXILIARY TRAFO 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
12	81002-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P8	4C X 4
13	81003-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
14	81004-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
15	81005-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
16	81006-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
17	81007-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
18	81008-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
19	P-ELF-200N1-02-L1-14	NORMAL LIGHTING FIXTURE	EJB-200N1-02-L1-03	ELF-200N1-02-L1-14	POWER CABLE	P5	3G2.5

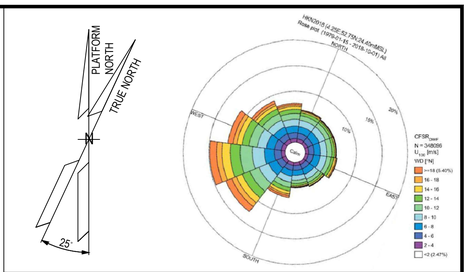


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83023-CEL	HVAC PANEL – HV ROOM	SG-200N1	B100-HSB-001	POWER CABLE	P4	5G16
2	83034-CEL	DC BATTERY SYSTEM – SWITCHGEARS CONTROL – FEEDER A	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
3	83035-CEL	DC BATTERY SYSTEM – SWITCHGEARS CONTROL – FEEDER B	SG-200N1	UP-200F1	POWER CABLE	P4	4G16
4	83124-CEL	DC BATTERY SYSTEM AUXILIARY	DP-200N1	UP-200F1	POWER CABLE	P4	3G2.5
5	83118-CEL	AUXILIARY GIS	DP-200N1	CP-100E1	POWER CABLE	P4	3G6
6	83119-CEL	AUXILIARY 6.6kV SWITCHBOARD	DP-200N1	SG-100D1	POWER CABLE	P4	3G2.5
7	82014-CEC	6.6KV HV SWITCHGEAR	RR-100D1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
8	82006-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4C X 4
9	82007-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4C X 4
10	82008-CEC	LV SWBD 800/460V	SG-100D1	SG-200D2	CONTROL CABLE	P7	7C X 1.5
11	82013-CEC	LV SWITCHGEAR	SG-100D1	SG-200N1	CONTROL CABLE	P7	7C X 1.5
12	83011-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
13	83012-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
14	83013-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
15	83014-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
16	83015-CEC	6.6KV HV SWITCHGEAR	SG-200D2	SG-100D1	CONTROL CABLE	P7	7C X 1.5
17	85001-CEC	6.6KV HV SWITCHGEAR	A-85000	SG-100D1	CONTROL CABLE	P7	7C X 1.5
18	20001-CEC	6.6KV HV SWITCHGEAR	A-20000	SG-100D1	CONTROL CABLE	P7	7C X 1.5

01



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	P3	1C x 300
2	83013-CEL-L2	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
3	83013-CEL-L3	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P3	1C x 300
4	83013-CEL-N	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	POWER CABLE	P6	1C x 300
5	83013-CEL-E	ELECTROLYSER AUXILIARY LOAD	SG-200N1	A-20000	PE	P6	1C x 150
6	83021-CEL-03	WELDING SOCKETS (TOP DECK) JB'S	JB-200E6	JB-200E7	POWER CABLE	P4	5G50
7	83022-CEL-03	WELDING SOCKETS (LOWER DECK) JB'S	JB-200E4	JB-200E5	POWER CABLE	P4	5G50
8	P-EJB-200N1-05-L1-02	SMALL POWER SOCKET JB (UPPER DECK)	EJB-200N1-05-L1-01	EJB-200N1-05-L1-02	POWER CABLE	P4	3G10
9	P-FJB-200N1-06-L2-02	SMALL POWER SOCKET JB (LOWER DECK)	EJB-200N1-06-L2-01	EJB-200N1-06-L2-02	POWER CABLE	P4	3G10
10	P-EJB-200N1-09-L2-02	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-04	EJB-200N1-09-L2-02	POWER CABLE	P4	4G4_E
11	P-ELF-200N1-02-L1-14	NORMAL LIGHTING FIXTURE	EJB-200N1-02-L1-03	ELF-200N1-02-L1-14	POWER CABLE	P5	3G2.5
12	83011-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
13	83012-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
14	83013-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
15	83014-CEC	6.6KV HV SWITCHGEAR	CP-200ED1A	SG-100D1	CONTROL CABLE	P7	7C X 1.5
16	20001-CEC	6.6KV HV SWITCHGEAR	A-20000	SG-100D1	CONTROL CABLE	P7	7C X 1.5
17	83112-CEL	AUXILIARY TRAFO OLTC	DP-200N1	CP-100E2	POWER CABLE	P4	5G4
18	83113-CEL	AUXILIARY TRAFO AVR	DP-200N1	CP-100E3	POWER CABLE	P4	3G2.5
19	83114-CEL	AUXILIARY TRAFO 7MVA	DP-200N1	CP-100E4	POWER CABLE	P4	3G2.5
20	81001-CEC	LCP GIS	CP-100E4	CP-100E1	CONTROL CABLE	P8	4C X 4
21	81002-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P8	4C X 4
22	81003-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
23	81004-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
24	81005-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
25	81006-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
26	81007-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
27	81008-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
28	P-EJB-200N1-04-L3-02	STAIR NORMAL LIGHTING JB	EJB-200N1-04-L3-01	EJB-200N1-04-L3-02	POWER CABLE	P4	3G4
29	P-ELF-200N1-09-L2-08	EMERGENCY LIGHTING FIXTURE	ELF-200N1-09-L2-09	ELF-200N1-09-L2-08	POWER CABLE	P4	4G2.5_E
30	82002-CEC	66/6.6 kV, 7MVA TRANSFORMER	SG-100D1	CP-100AD1C	CONTROL CABLE	P8	4C X 4
31	82014-CEC	6.6KV HV SWITCHGEAR	RR-100D1	SG-100D1	CONTROL CABLE	P7	7C X 1.5
32	72213-CEL	INTERMEDIATE OBSTRUCTION RED LIGHTS	EJB-200F2-02	EOL-200-04	POWER CABLE	P5	3G2.5
33	P-EJB-200N1-08-L1-03	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-01	EJB-200N1-08-L1-03	POWER CABLE	P5	4G4_E
34	P-EJB-200N1-02-L1-03	NORMAL LIGHTING JB	EJB-200N1-02-L1-02	EJB-200N1-02-L1-03	POWER CABLE	P5	3G4
35	P-EJB-200N1-03-L2-03	NORMAL LIGHTING JB	EJB-200N1-03-L2-02	EJB-200N1-03-L2-03	POWER CABLE	P4	3G4
36	P-EJB-200N1-10-L3-04	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-01	EJB-200N1-10-L3-04	POWER CABLE	P5	4G4_E



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

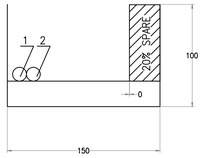
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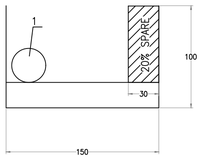
REV. 01

L-150-101-LVT-089



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83115-CEL	AUXILIARY TRAFO NER	DP-200N1	RR-100D1	POWER CABLE	P4	3G2.5
2	82014-CEC	6.6KV HV SWITCHGEAR	RR-100D1	SG-100D1	CONTROL CABLE	P7	7C X 1.5

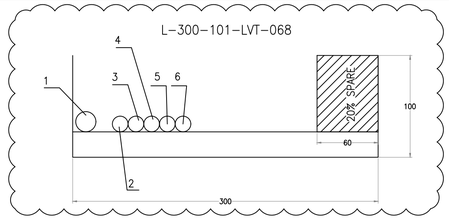
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82001-CEM-1-N	NER	TR-100AD1	RR-100D1	POWER CABLE	P2	1C X 150

01

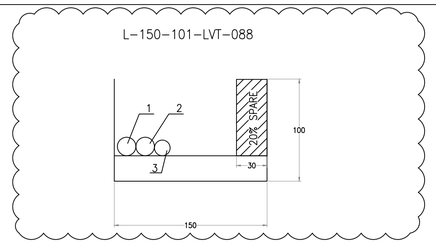
L-300-101-LVT-068



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-850E3	POWER CABLE	P4	4C x 10
2	P-ELF-200N1-09-L2-04	EMERGENCY LIGHTING FIXTURE	ELF-200N1-09-L2-06	ELF-200N1-09-L2-04	POWER CABLE	P4	4G2.5_E
3	85001-CEC	6.6KV HV SWITCHGEAR	A-85000	SG-100D1	CONTROL CABLE	P7	7C X 1.5
4	85002-CEC	BESS	B400-EMCS-001	A-85000	CONTROL CABLE	P7	7C X 1.5
5	82006-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4C X 4
6	82007-CEC	BESS UCP	SG-100D1	A-85000	CONTROL CABLE	P8	4C X 4

01

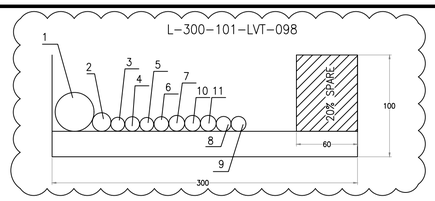
L-150-101-LVT-088



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-06-L2-02	SMALL POWER SOCKET JB (LOWER DECK)	EJB-200N1-06-L2-01	EJB-200N1-06-L2-02	POWER CABLE	P4	3G10
2	P-EJB-200N1-06-L2-01	SMALL POWER SOCKET JB (LOWER DECK)	DP-200N1	EJB-200N1-06-L2-01	POWER CABLE	P4	3G10
3	P-ELF-200N1-09-L2-01	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-01	ELF-200N1-09-L2-01	POWER CABLE	P4	4G2.5_E

01

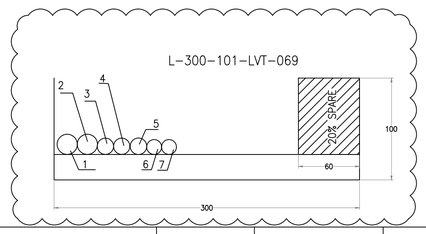
L-300-101-LVT-098



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83022-CEL-03	WELDING SOCKETS (LOWER DECK) JB'S	JB-200E4	JB-200E5	POWER CABLE	P4	5G50
2	84312-CEL	UCP - N2 PACKAGE	DP-200F3	CP-640E1	POWER CABLE	P5	3G2.5
3	83111-CEL	UCP - N2 PACKAGE - AUXILIARY	DP-200N1	CP-640E1	POWER CABLE	P4	3G2.5
4	P-EJB-200N1-03-L2-03	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-02	EJB-200N1-03-L2-03	POWER CABLE	P4	3G4
5	P-ELF-200N1-03-L2-03	NORMAL LIGHTING JB	EJB-200N1-03-L2-03	ELF-200N1-03-L2-03	POWER CABLE	P4	3G2.5
6	P-EJB-200N1-03-L2-04	NORMAL LIGHTING JB	EJB-200N1-03-L2-03	EJB-200N1-03-L2-04	POWER CABLE	P4	3G4
7	P-EJB-200N1-09-L2-04	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-01	EJB-200N1-09-L2-04	POWER CABLE	P4	4G4_E
8	P-ELF-200N1-09-L2-06	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-04	ELF-200N1-09-L2-06	POWER CABLE	P4	4G2.5_E
9	P-ELF-200N1-09-L2-07	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-04	ELF-200N1-09-L2-07	POWER CABLE	P4	4G2.5_E
10	P-EJB-200N1-09-L2-02	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-04	EJB-200N1-09-L2-02	POWER CABLE	P4	4G4_E
11	P-ELS-200N1-09-L2-01	LOCAL SWITCH	EJB-200N1-09-L2-04	ELS-200N1-09-L2-01	POWER CABLE	P4	4G4_E

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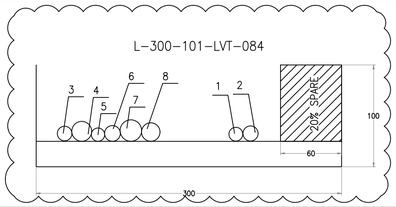
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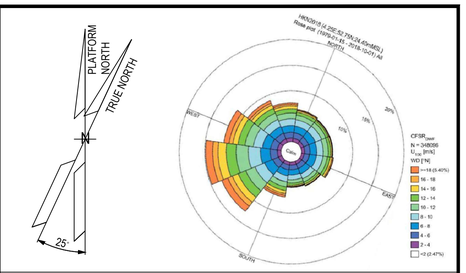
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83014-CEL	BESS LV1 CABINET (+DISTR 1)	SG-200N1	CP-850E1	POWER CABLE	P4	4C x 10
2	83015-CEL	BESS LV2 CABINET (+DISTR 2)	SG-200N1	CP-850E2	POWER CABLE	P4	4C x 10
3	83018-CEL	SEA WATER INTAKE PUMP A	SG-200N1	PM-50001 A	POWER CABLE	P4	4G4
4	83019-CEL	SEA WATER INTAKE PUMP B	SG-200N1	PM-50001 B	POWER CABLE	P4	4G4
5	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
6	P-ELF-200N1-09-L2-06	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-04	ELF-200N1-09-L2-06	POWER CABLE	P4	4G2.5_E
7	P-ELF-200N1-09-L2-04	EMERGENCY LIGHTING FIXTURE	ELF-200N1-09-L2-06	ELF-200N1-09-L2-04	POWER CABLE	P4	4G2.5_E

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L-300-101-LVT-084



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	72217-CEC	NAV AIDS VISIBILITY METER	NC-200F2	EVM-200-01	CONTROL CABLE	P7	7C X 1.5
2	72207-CEC	NAV AIDS PHOTOCELL	NC-200F2	EPH-200-01	CONTROL CABLE	P5	2C X 2.5
3	P-EJB-200N1-03-L2-05	NORMAL LIGHTING JB	EJB-200N1-03-L2-04	EJB-200N1-03-L2-05	POWER CABLE	P4	3G4
4	P-EJB-200N1-02-L1-13	NORMAL LIGHTING JB	EJB-200N1-02-L1-03	EJB-200N1-02-L1-13	POWER CABLE	P5	3G4
5	P-ELF-200N1-04-L3-01	STAIR NORMAL LIGHTING FIXTURE	EJB-200N1-04-L3-01	ELF-200N1-04-L3-01	POWER CABLE	P4	3G2.5
6	P-EJB-200N1-08-L1-12	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-03	EJB-200N1-08-L1-12	POWER CABLE	P4	4G4_E
7	P-EJB-200N1-10-L3-04	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-01	EJB-200N1-10-L3-04	POWER CABLE	P5	4G4_E
8	72201-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-01	POWER CABLE	P5	2C X 2.5



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

CONTRACT NO./TITLE CW-1-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:50

DRAWN SPS | CHECKED FMA/AMA | APPROVED FPA/DLO | DATE 30/07/24

A1 | DRAWING NO. 123A90-DDL-EL-DL-20108 | SHEET 15of18 | REV. 01

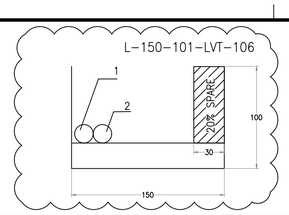
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REV. 01

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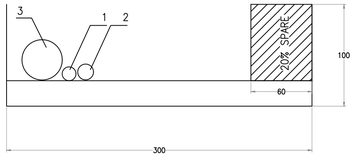
L-150-101-LVT-106



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-05-L1-01	SMALL POWER SOCKET JB (UPPER DECK)	DP-200N1	EJB-200N1-05-L1-01	POWER CABLE	P4	3G10
2	P-EJB-200N1-05-L1-02	SMALL POWER SOCKET JB (LOWER DECK)	EJB-200N1-05-L1-01	EJB-200N1-05-L1-02	POWER CABLE	P4	3G10

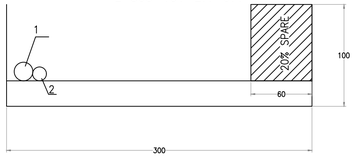
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L-300-101-LVT-078



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83110-CEL	UCP – INSTRUMENT AIR PACKAGE –A–63000 – AUXILIARY	DP-200N1	CP-630E1	POWER CABLE	P4	3G2.5
2	84311-CEL	UCP – INSTRUMENT AIR PACKAGE A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
3	83017-CEL-2	INSTRUMENT AIR PACKAGE	SG-200N1	K-63001B	POWER CABLE	P4	5G70

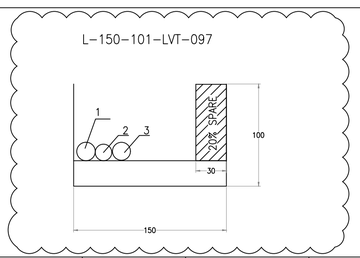
L-300-101-LVT-077



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84311-CEL	UCP – INSTRUMENT AIR PACKAGE A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
2	83110-CEL	UCP – INSTRUMENT AIR PACKAGE A-63000-AUXILIARY	DP-200N1	CP-630E1	POWER CABLE	P4	3G2.5

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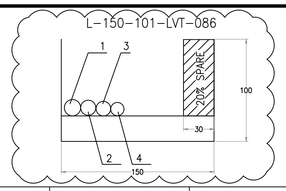
L-150-101-LVT-097



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-06-L2-02	SMALL POWER SOCKET JB (LOWER DECK)	EJB-200N1-06-L2-01	EJB-200N1-06-L2-02	POWER CABLE	P4	3G10
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-200N1-06-L2-03	SMALL POWER SOCKET JB (BELOW LOWER DECK)	EJB-200N1-06-L2-02	EJB-200N1-06-L2-03	POWER CABLE	P4	3G10

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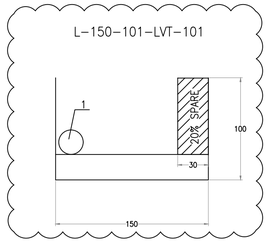
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-09-L2-08	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-07	EJB-200N1-09-L2-08	POWER CABLE	P4	4G4_E
2	P-EJB-200N1-03-L2-05	NORMAL LIGHTING JB	EJB-200N1-03-L2-04	EJB-200N1-03-L2-05	POWER CABLE	P4	3G4
3	P-EJB-200N1-03-L2-14	NORMAL LIGHTING JB	EJB-200N1-03-L2-05	EJB-200N1-03-L2-14	POWER CABLE	P4	3G4
4	P-ELF-200N1-04-L3-01	STAIR NORMAL LIGHTING FIXTURE	EJB-200N1-04-L3-01	ELF-200N1-04-L3-01	POWER CABLE	P4	3G2.5

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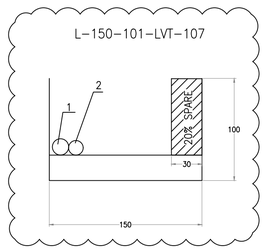
L-150-101-LVT-101



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-05-L1-02	SMALL POWER SOCKET JB(UPPER DECK)	EJB-200N1-05-L1-01	EJB-200N1-05-L1-02	POWER CABLE	P5	3G10

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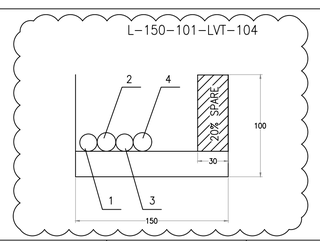
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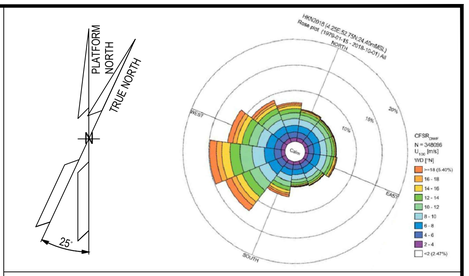
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-09-L2-14	NORMAL LIGHTING JB	EJB-200N1-09-L2-15	EJB-200N1-09-L2-14	POWER CABLE	P4	4G4_E
2	P-EJB-200N1-03-L2-12	NORMAL LIGHTING JB	EJB-200N1-03-L2-13	EJB-200N1-03-L2-12	POWER CABLE	P4	3G4

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L-150-101-LVT-104



POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-02-L1-03	NORMAL LIGHTING JB	EJB-200N1-02-L1-02	EJB-200N1-02-L1-03	POWER CABLE	P5	3G4
2	P-EJB-200N1-08-L1-03	EMERGENCY LIGHTING JB	EJB-200N1-08-L1-02	EJB-200N1-08-L1-03	POWER CABLE	P5	4G4_E
3	P-EJB-200N1-02-L1-13	NORMAL LIGHTING JB	EJB-200N1-02-L1-03	EJB-200N1-02-L1-13	POWER CABLE	P5	3G4
4	P-ELF-200N1-02-L1-14	NORMAL LIGHTING FIXTURE	EJB-200N1-02-L1-03	ELF-200N1-02-L1-14	POWER CABLE	P5	3G2.5



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

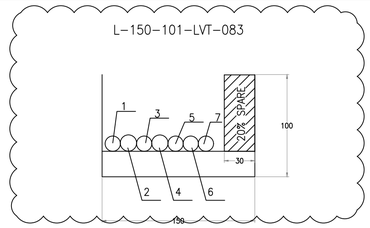
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DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 16of18	REV. 01

File Name : 123A90-DDL-EL-DL-20108

DRAWING NO. 123A90-DDL-EL-DL-20108

REV. 01

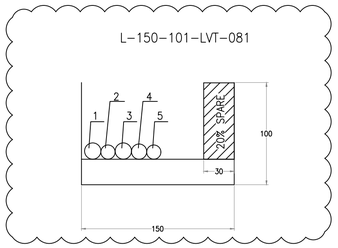
01



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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-03-L2-10	NORMAL LIGHTING JB	EJB-200N1-03-L2-11	EJB-200N1-03-L2-10	POWER CABLE	P4	3G4
2	P-EJB-200N1-09-L2-10	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-11	EJB-200N1-09-L2-10	POWER CABLE	P4	4G4_E
3	P-EJB-200N1-03-L2-09	NORMAL LIGHTING JB	EJB-200N1-03-L2-10	EJB-200N1-03-L2-09	POWER CABLE	P4	3G4
4	P-EJB-200N1-09-L2-09	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-10	EJB-200N1-09-L2-09	POWER CABLE	P4	4G4_E
5	P-EJB-200N1-03-L2-08	NORMAL LIGHTING JB	EJB-200N1-03-L2-09	EJB-200N1-03-L2-08	POWER CABLE	P4	3G4
6	P-EJB-200N1-03-L2-07	NORMAL LIGHTING JB	EJB-200N1-03-L2-08	EJB-200N1-03-L2-07	POWER CABLE	P4	3G4
7	P-EJB-200N1-03-L2-06	NORMAL LIGHTING JB	EJB-200N1-03-L2-07	EJB-200N1-03-L2-06	POWER CABLE	P4	3G4

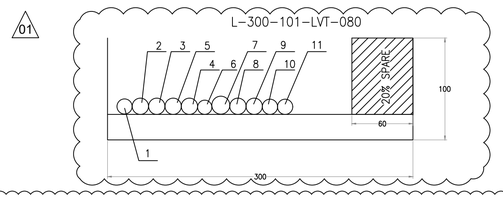
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-09-L2-11	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-12	EJB-200N1-09-L2-11	POWER CABLE	P4	4G4_E
2	P-ELF-200N1-10-L3-13	EMERGENCY LIGHTING FIXTURE	EJB-200N1-10-L3-09	ELF-200N1-10-L3-13	POWER CABLE	P4	4G2.5_E
3	P-EJB-200N1-09-L2-10	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-11	EJB-200N1-09-L2-10	POWER CABLE	P4	4G4_E
4	P-EJB-200N1-03-L2-10	NORMAL LIGHTING JB	EJB-200N1-03-L2-11	EJB-200N1-03-L2-10	POWER CABLE	P4	3G4
5	P-ELF-200N1-10-L3-14	EMERGENCY LIGHTING FIXTURE	ELF-200N1-10-L3-13	ELF-200N1-10-L3-14	POWER CABLE	P4	4G2.5_E

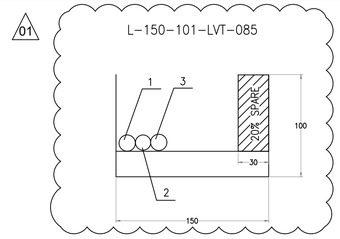
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
2	P-EJB-200N1-09-L2-13	EMERGENCY LIGHTING JB	ELF-200N1-10-L2-12	EJB-200N1-09-L2-13	POWER CABLE	P4	4G4_E
3	P-EJB-200N1-10-L3-02	STAIR EMERGENCY LIGHTING JB	ELF-200N1-10-L3-01	EJB-200N1-10-L3-02	POWER CABLE	P4	4G4_E
4	P-EJB-200N1-10-L3-03	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-02	EJB-200N1-10-L3-03	POWER CABLE	P4	4G4_E
5	P-EJB-200N1-10-L3-05	STAIR EMERGENCY LIGHTING JB	EJB-200N1-10-L3-02	EJB-200N1-10-L3-05	POWER CABLE	P4	4G4_E
6	P-ELF-200N1-10-L3-13	STAIR EMERGENCY LIGHTING FIXTURE	ELF-200N1-10-L3-09	ELF-200N1-10-L3-13	POWER CABLE	P4	4G2.5_E
7	P-EJB-200N1-06-L2-03	SMALL POWER SOCKET JB (BELOW LOWER DECK)	EJB-200N1-06-L2-02	EJB-200N1-06-L2-03	POWER CABLE	P4	3G10
8	P-EJB-200N1-09-L2-12	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-02	EJB-200N1-09-L2-12	POWER CABLE	P4	4G4_E
9	P-EJB-200N1-09-L2-11	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-12	EJB-200N1-09-L2-11	POWER CABLE	P4	4G4_E
10	P-EJB-200N1-03-L2-11	NORMAL LIGHTING JB	EJB-200N1-03-L2-02	EJB-200N1-03-L2-11	POWER CABLE	P4	3G4
11	P-EJB-200N1-03-L2-10	NORMAL LIGHTING JB	EJB-200N1-03-L2-11	EJB-200N1-03-L2-10	POWER CABLE	P4	3G4

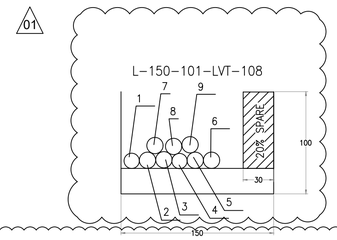
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POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-09-L2-14	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-15	EJB-200N1-09-L2-14	POWER CABLE	P4	4G4_E
2	P-EJB-200N1-03-L2-12	NORMAL LIGHTING JB	EJB-200N1-03-L2-13	EJB-200N1-03-L2-12	POWER CABLE	P4	3G4

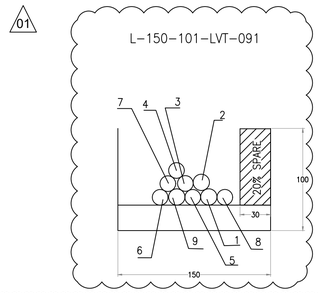
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01

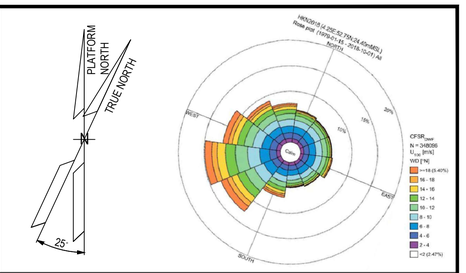
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-03-L2-13	NORMAL LIGHTING JB	EJB-200N1-03-L2-14	EJB-200N1-03-L2-13	POWER CABLE	P4	3G4
2	P-EJB-200N1-09-L2-05	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-06	EJB-200N1-09-L2-05	POWER CABLE	P4	4G4_E
3	P-EJB-200N1-09-L2-06	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-07	EJB-200N1-09-L2-06	POWER CABLE	P4	4G4_E
4	P-EJB-200N1-03-L2-14	NORMAL LIGHTING JB	EJB-200N1-03-L2-05	EJB-200N1-03-L2-14	POWER CABLE	P4	3G4
5	P-EJB-200N1-03-L2-12	NORMAL LIGHTING JB	EJB-200N1-03-L2-13	EJB-200N1-03-L2-12	POWER CABLE	P4	3G4
6	P-EJB-200N1-09-L2-08	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-07	EJB-200N1-09-L2-08	POWER CABLE	P4	4G4_E
7	P-EJB-200N1-09-L2-15	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-16	EJB-200N1-09-L2-15	POWER CABLE	P4	4G4_E
8	P-EJB-200N1-09-L2-16	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-15	EJB-200N1-09-L2-16	POWER CABLE	P4	4G4_E
9	P-EJB-200N1-09-L2-14	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-15	EJB-200N1-09-L2-14	POWER CABLE	P4	4G4_E

01



01

POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	81001-CEC	LCP GIS	CP-100E4	CP-100E1	CONTROL CABLE	P8	4C X 4
2	81002-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P8	4C X 4
3	81003-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
4	81004-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
5	81005-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
6	81006-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
7	81007-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
8	81008-CEC	6.6KV HV SWITCHGEAR	CP-100E4	SG-100D1	CONTROL CABLE	P7	7C X 1.5
9	82002-CEC	66/6.6 kV, 7MVA TRANSFORMER	SG-100D1	CP-100AD1C	CONTROL CABLE	P8	4C X 4



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

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 30/07/24

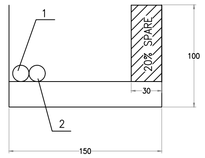
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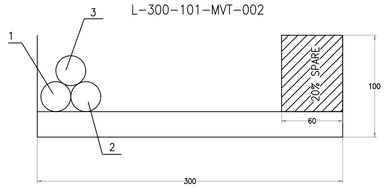
REV. 01

L-150-101-LVT-109



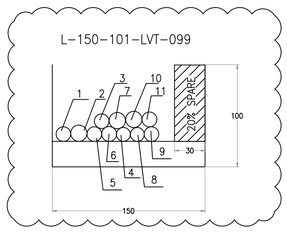
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83018-CEL	SEA WATER INTAKE PUMP A	SG-200N1	PM-50001 A	POWER CABLE	P4	4G4
2	83019-CEL	SEA WATER INTAKE PUMP B	SG-200N1	PM-50001 B	POWER CABLE	P4	4G4

L-300-101-MVT-002



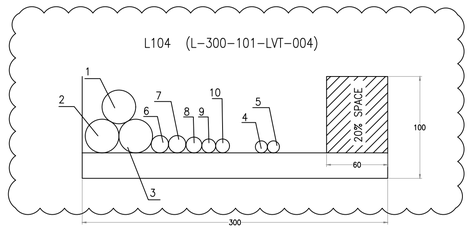
POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	82002-CEM-1-L1	6.6/0.4 KV, 1.6MVA TRANSFORMER	SG-100D1	TR-200DE1	POWER CABLE	P2	1C X 70
2	82002-CEM-1-L2	6.6/0.4 KV, 1.6MVA TRANSFORMER	SG-100D1	TR-200DE1	POWER CABLE	P2	1C X 70
3	82002-CEM-1-L3	6.6/0.4 KV, 1.6MVA TRANSFORMER	SG-100D1	TR-200DE1	POWER CABLE	P2	1C X 70

01 L-150-101-LVT-099



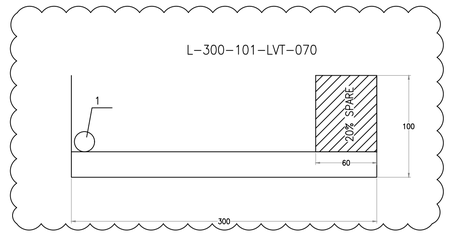
	POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
01	1	P-EJB-200N1-04-L3-01	NORMAL LIGHTING-STARIS	DP-200N1	EJB-200N1-04-L3-01	POWER CABLE	P4	3G4
01	2	P-EJB-200N1-09-L2-01	EMERGENCY LIGHTING LOWER DECK	DP-200N1	EJB-200N1-09-L2-01	POWER CABLE	P4	4G4_E
01	3	P-EJB-200N1-03-L2-04	NORMAL LIGHTING JB	EJB-200N1-03-L2-03	EJB-200N1-03-L2-04	POWER CABLE	P4	3G4
01	4	P-EJB-200N1-03-L2-05	NORMAL LIGHTING JB	EJB-200N1-03-L2-04	ELF-200N1-03-L2-04	POWER CABLE	P4	3G2.5
01	5	P-ELF-200N1-03-L2-05	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-04	ELF-200N1-03-L2-05	POWER CABLE	P4	3G2.5
01	6	P-ELF-200N1-09-L2-01	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-01	ELF-200N1-09-L2-01	POWER CABLE	P4	4G2.5_E
01	7	P-EJB-200N1-09-L2-04	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-01	EJB-200N1-09-L2-04	POWER CABLE	P4	4G4_E
01	8	P-ELF-200N1-04-L3-01	STAIR NORMAL LIGHTING FIXTURE	EJB-200N1-04-L3-01	ELF-200N1-04-L3-01	POWER CABLE	P4	3G2.5
01	9	P-EJB-200N1-04-L3-02	STAIR NORMAL LIGHTING JB	EJB-200N1-04-L3-01	EJB-200N1-04-L3-02	POWER CABLE	P4	3G4
01	10	P-EJB-200N1-09-L2-07	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-01	EJB-200N1-09-L2-07	POWER CABLE	P4	4G4_E
01	11	P-ELF-200N1-09-L2-10	EMERGENCY LIGHTING FIXTURE	EJB-200N1-09-L2-01	ELF-200N1-09-L2-10	POWER CABLE	P4	4G2.5_E

01 L104 (L-300-101-LVT-004)



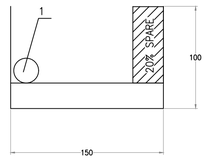
	POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
	1	83002-CEL-L1	LV SWBD 800/460 V	JB-200E1	SG-200D2	POWER CABLE	P3	1C x 300
	2	83002-CEL-L2	LV SWBD 800/460 V	JB-200E1	SG-200D2	POWER CABLE	P3	1C x 300
	3	83002-CEL-L3	LV SWBD 800/460 V	JB-200E1	SG-200D2	POWER CABLE	P3	1C x 300
	4	5W2.1	ICCP- JBEX	CN-200N1	EAJ-200-02	CONTROL CABLE	C1	2C X 2.5
	5	6W2.1	ICCP- JBIN	CN-200N1	EAJ-200-01	CONTROL CABLE	C1	2C X 2.5
	6	7WD3	ICCP- JBEX	CN-200N1	EAJ-200-02	POWER CABLE	C2	1C X 70
01	7	7WD6.1	ICCP- JBIN	CN-200N1	EAJ-200-01	POWER CABLE	C2	1C X 70
	8	P-ELS-200N1-09-L2-01	LOCAL SWITCH	EJB-200N1-09-L2-04	ELS-200N1-09-L2-01	POWER CABLE	P4	4G4_E
	9	P-ELF-200N1-03-L2-03	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-03	ELF-200N1-03-L2-03	POWER CABLE	P4	3G2.5
	10	P-ELF-200N1-03-L2-04	NORMAL LIGHTING FIXTURE	EJB-200N1-03-L2-03	ELF-200N1-03-L2-04	POWER CABLE	P4	3G2.5

01 L-300-101-LVT-070



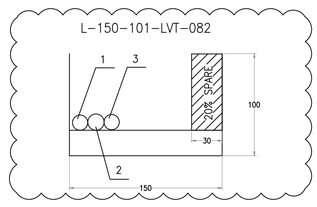
	POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
01	1	83015-CEL	BESS LV2 CABINET (+DISTR 2)	SG-200N1	CP-850E2	POWER CABLE	P4	4C x 10

L-150-101-LVT-102

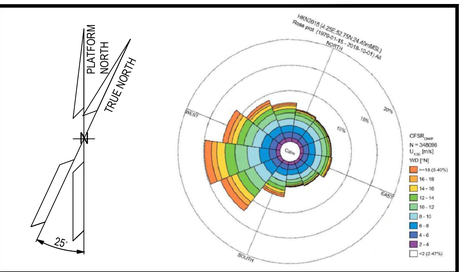


POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83020-CEL	CRANE	SG-200N1	JB-200E3	POWER CABLE	P4	5G16

01 L-150-101-LVT-082



POS.	01 CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	P-EJB-200N1-03-L2-11	NORMAL LIGHTING JB	EJB-200N1-03-L2-02	EJB-200N1-03-L2-11	POWER CABLE	P4	3G4
2	P-EJB-200N1-09-L2-13	EMERGENCY LIGHTING JB	EJB-200N1-09-L2-12	EJB-200N1-09-L2-13	POWER CABLE	P4	4G4_E
3	P-EJB-200N1-03-L2-10	NORMAL LIGHTING JB	EJB-200N1-03-L2-11	EJB-200N1-03-L2-10	POWER CABLE	P4	3G4



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.

CABLE TYPE DETAILS

P2 – SINGLE CORE, 3.6/6 (7.2) KV, CU/EPR/CU/LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.
P3 – SINGLE CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH, PVC, 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.
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.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20101	ELECTRICAL EQUIPMENT LAYOUT - LOWER DECK
123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-DL-20107	ELECTRICAL CABLES ROUTING LAYOUT - TOP DECK
123A90-DDL-EL-DL-20109	ELECTRICAL CABLES ROUTING LAYOUT - BELOW LOWER DECK
123A90-DDL-EL-DG-20125	LIGHTING & SOCKET CIRCUIT DIAGRAM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	30/07/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	27/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLES ROUTING LAYOUT
LOWER DECK

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 30/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20108	SHEET 18of18	REV. 01

File Name : 123A90-DDL-EL-DL-20108