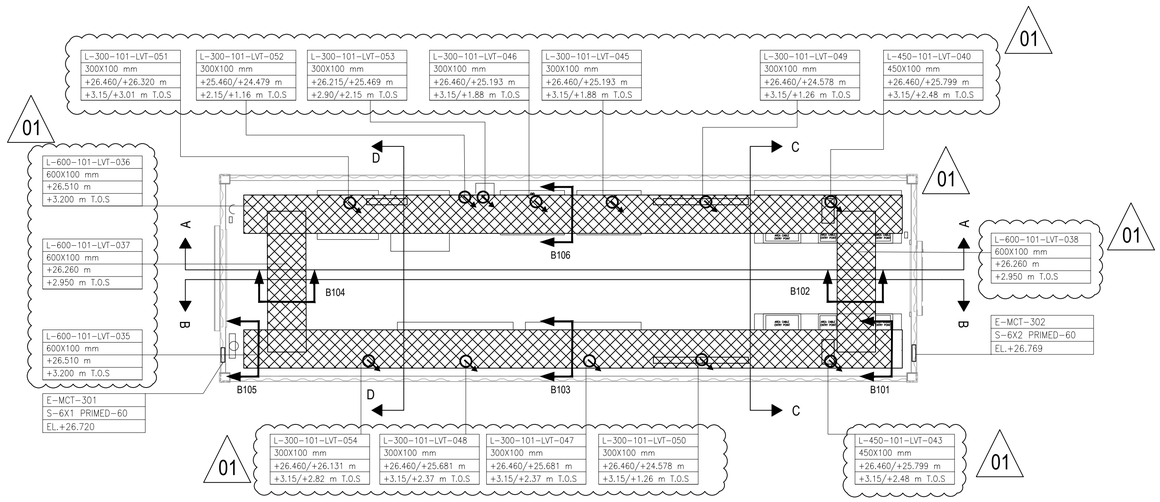
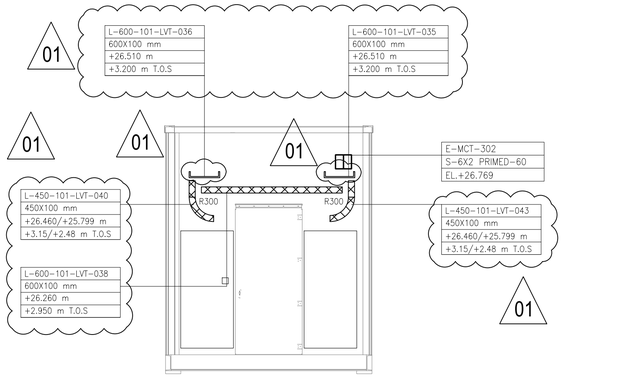
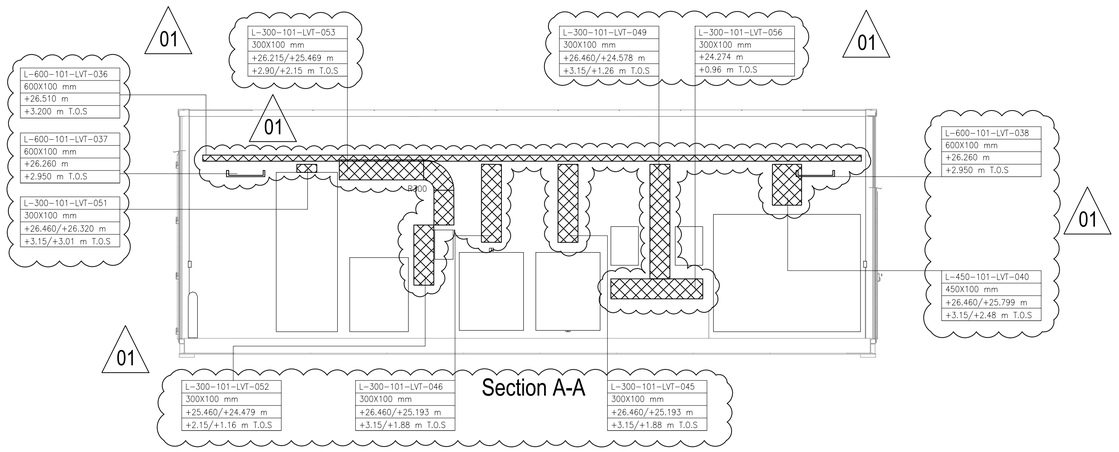
DRAWING NO. 123A90-DDL-EL-DL-20113

REV. 01

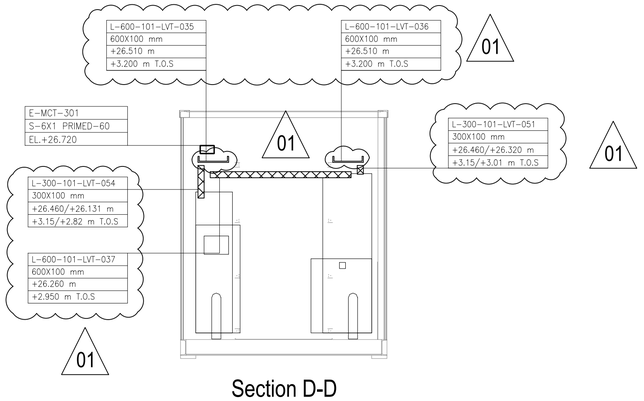




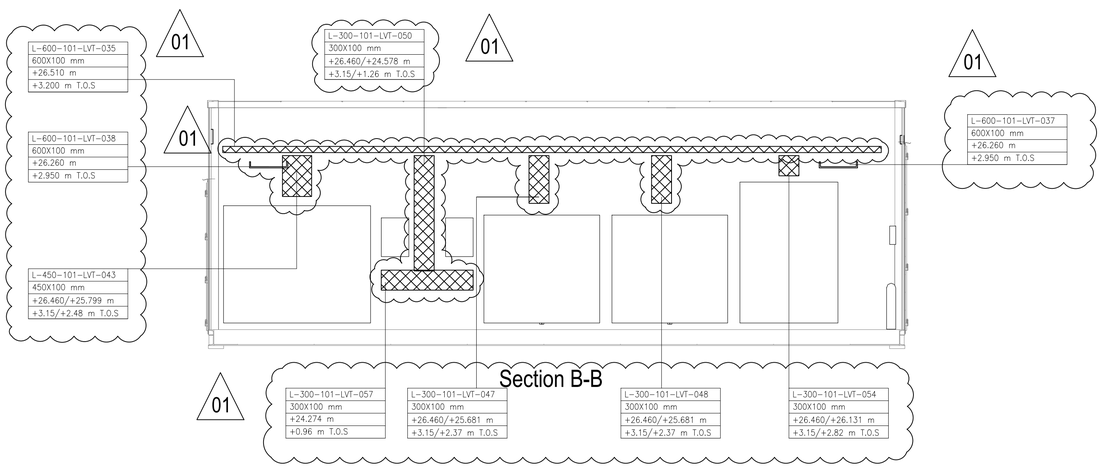
Section C-C



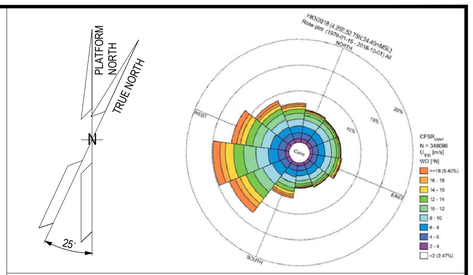
Section A-A



Section D-D



Section B-B



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S (EL+23.310 m).
3. CABLEROUTE ELEVATION ARE REFER TO BOTTOM ON HORIZONTAL CABLETRAYS AND TO THE MIDDLE ON SIDE INSTALLATION CABLETRAYS
4. THIS DRAWING IS VALID ONLY FOR ELECTRICAL CABLE ROUTING LAYOUT.
5. A MINIMUM OF 20% CAPACITY IN EACH CABLE LADDER SHALL BE PROVIDED FOR FUTURE EXTENSION.
6. DRAWING SPLIT INTO MULTIPLY SHEETS FOR CLARITY.
7. FOR INSTALLATION DETAIL OF CABLE LADDER REFER TO DOC. 123A90-DDL-EL-DD-20093.
8. FOR LIGHTING AND SOCKET EQUIPMENTS SEE DRAWING 123A90-DDL-EL-DL-20124 AND 1724000049-EL-LIS-00045.

LEGEND

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

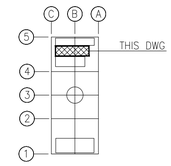
CABLETRAY TAGGING

- TAG
- SIZE
- ELEVATION
- ELEVATION(T.O.S)

MCT TAGGING

- TAGGING
- TYPICAL
- ELEVATION

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT -UPSs & BATTERIES SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00045	B-300 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	01/08/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

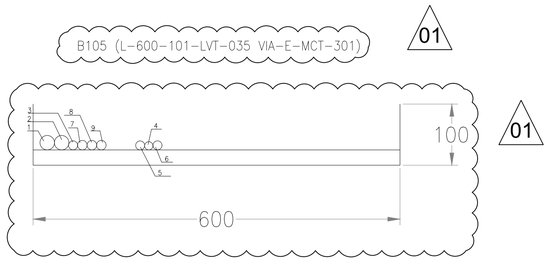
ROSETTI MARINO

TITLE :

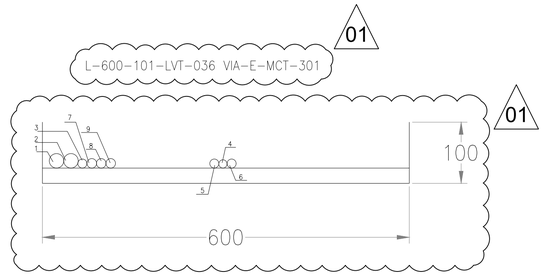
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
UPSs & BATTERIES SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 01/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20113	SHEET 1of8	REV. 01

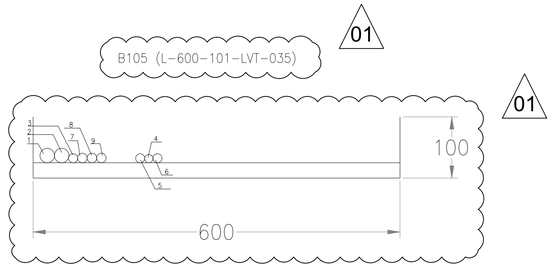
File Name : 123A90-DDL-EL-DL-20113



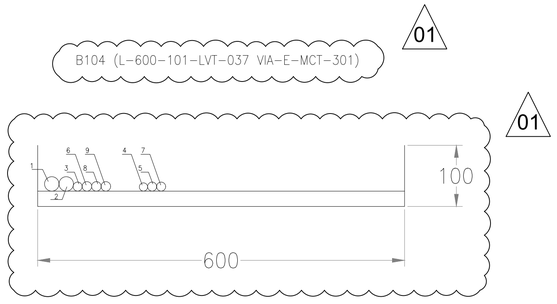
SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83036-CEL	DC UPS NAVAID System – Feeder A	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
2	83037-CEL	DC UPS – NAVAID System – Feeder B	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
3	72201-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-01	POWER CABLE	P5	2C X 2.5
4	72217-CEC	NAV AIDS VISIBILITY METER	NC-200F2	EVM-200-01	CONTROL CABLE	P7	7C X 1.5
5	72207-CEC	NAV AIDS PHOTOCELL	NC-200F2	EPH-200-01	CONTROL CABLE	P5	2C X 2.5
6	72210-CEC	PCS	UP-200F2	B400-PCS-001	CONTROL CABLE	P5	2C X 2.5
7	84311-CEL	UCP – Instrument Air Package A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
8	84312-CEL	UCP – N2 Package	DP-200F3	CP-640E1	POWER CABLE	P5	3G2.5
9	84317-CEL	UCP – HVAC ITER	DP-200F3	B400-HSB-001	POWER CABLE	P5	3G2.5



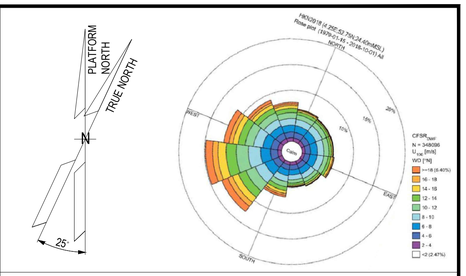
SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83036-CEL	DC UPS NAVAID System – Feeder A	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
2	83037-CEL	DC UPS – NAVAID System – Feeder B	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
3	72201-CEL	NAV AIDS Main White Lanterns	UP-200F2	EML-200F201	POWER CABLE	P5	3G2.5
4	72217-CEC	NAV AIDS VISIBILITY METER	NC-200F2	EVM-200-01	CONTROL CABLE	P7	7C X 1.5
5	72207-CEC	NAV AIDS PHOTOCELL	NC-200F2	EPH-200-01	CONTROL CABLE	P5	2C X 2.5
6	72210-CEC	PCS	UP-200F2	B400-PCS-001	CONTROL CABLE	P5	2C X 2.5
7	84311-CEL	UCP – Instrument Air Package A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
8	84312-CEL	UCP – N2 Package	DP-200F3	CP-640E1	POWER CABLE	P5	3G2.5
9	84317-CEL	UCP – HVAC ITER	DP-200F3	B400-HSB-001	POWER CABLE	P5	3G2.5



SECTION 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	72201-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-01	POWER CABLE	P5	2C X 2.5
4	72217-CEC	NAV AIDS VISIBILITY METER	NC-200F2	EVM-200-01	CONTROL CABLE	P7	7C X 1.5
5	72207-CEC	NAV AIDS PHOTOCELL	NC-200F2	EPH-200-01	CONTROL CABLE	P5	2C X 2.5
6	72210-CEC	PCS	UP-200F2	B400-PCS-001	CONTROL CABLE	P5	2C X 2.5
7	84311-CEL	UCP – Instrument Air Package A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
8	84312-CEL	UCP – N2 Package	DP-200F3	CP-640E1	POWER CABLE	P5	3G2.5
9	84317-CEL	UCP – HVAC ITER	DP-200F3	B400-HSB-001	POWER CABLE	P5	3G2.5



SECTION 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	72201-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-01	POWER CABLE	P5	2C X 2.5
4	72217-CEC	NAV AIDS VISIBILITY METER	NC-200F2	EVM-200-01	CONTROL CABLE	P7	7C X 1.5
5	72207-CEC	NAV AIDS PHOTOCELL	NC-200F2	EPH-200-01	CONTROL CABLE	P5	2C X 2.5
6	84317-CEL	UCP – HVAC ITER	DP-200F3	B400-HSB-001	POWER CABLE	P5	3G2.5
7	72210-CEC	PCS	UP-200F2	B400-PCS-001	CONTROL CABLE	P5	2C X 2.5
8	84311-CEL	UCP – Instrument Air Package A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
9	84312-CEL	UCP – N2 Package	DP-200F3	CP-640E1	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 (EL+23.310 m).

CABLE TYPE DETAILS

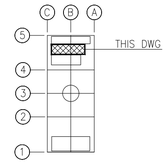
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

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

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

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT -UPSs & BATTERIES SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00045	B-300 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	01/08/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

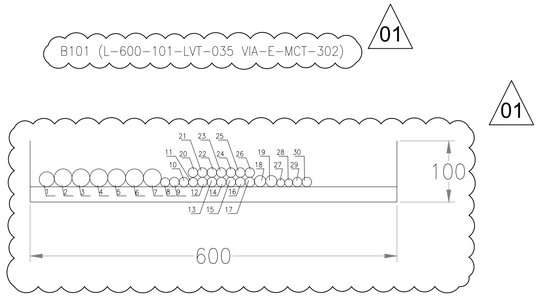
TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
UPSs & BATTERIES SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 01/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20113	SHEET 2of8	REV. 01

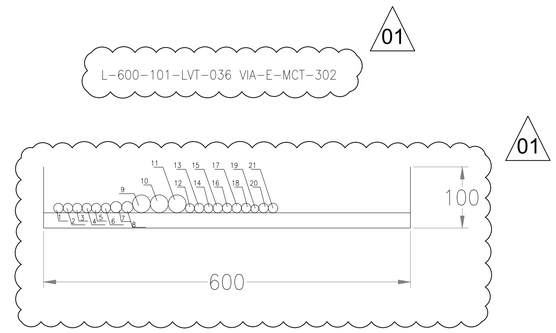
File Name : 123A90-DDL-EL-DL-20113

DRAWING NO. 123A90-DDL-EL-DL-20113

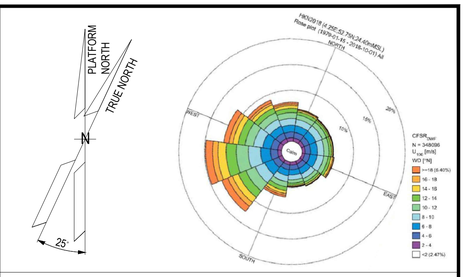
REV. 01



SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83025-CEL	HVAC panels - 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
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	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
12	84301-CEL	SIS -Controller and I/O Cabinet - Line A	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
13	84302-CEL	SIS -Controller and I/O Cabinet - Line B	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
14	84303-CEL	PCS -Controller and I/O Cabinet - Line A	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
15	84304-CEL	PCS -Controller and I/O Cabinet - Line B	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
16	84305-CEL	EMCS -Controller and I/O Cabinet - Line A	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
17	84306-CEL	EMCS -Controller and I/O Cabinet - Line B	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
18	84307-CEL	Server Cabinet ITER - Line A	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
19	84308-CEL	Server Cabinet ITER - Line B	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
20	84313-CEL	UCP - Water Package	DP-200F3	JB-500F8	POWER CABLE	P5	3G2.5
21	84314-CEL	UCP - HVAC HV Room	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
22	84315-CEL	UCP - HVAC LV Room	DP-200F3	B200-HSB-001	POWER CABLE	P5	3G2.5
23	84401-CEL	FGS Fire & Gas Panel - Line A	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
24	84402-CEL	FGS Fire & Gas Panel - Line B	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
25	84403-CEL	System Server / Network Cabinet - Line A	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
26	84404-CEL	System Server / Network Cabinet - Line B	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
27	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5
28	83123-CEL	AC UPS F&G AUXILIARY	DP-200N1	UP-200F4	POWER CABLE	P4	3G2.5
29	84318-CEL	LV SWITCHBOARD AUXILIARY	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5
30	84319-CEL	LV SWBD 800/460V AUXILIARY	DP-200F3	SG-200D2	POWER CABLE	P5	3G2.5



SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84301-CEL	SIS -Controller and I/O Cabinet - Line A	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
2	84302-CEL	SIS -Controller and I/O Cabinet - Line B	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
3	84303-CEL	PCS -Controller and I/O Cabinet - Line A	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
4	84304-CEL	PCS -Controller and I/O Cabinet - Line B	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
5	84305-CEL	EMCS -Controller and I/O Cabinet - Line A	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
6	84306-CEL	EMCS -Controller and I/O Cabinet - Line B	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
7	84307-CEL	Server Cabinet ITER - Line A	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
8	84308-CEL	Server Cabinet ITER - Line B	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
9	83028-CEL	AC UPS PAS - 30MIN - LINE A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
10	83029-CEL	AC UPS PAS - 30MIN - LINE B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
11	83030-CEL	AC UPS PAS - 30MIN - BYPASS	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
12	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-02	POWER CABLE	P5	2C X 2.5
13	72203-CEL	TOP OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
14	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
15	84313-CEL	UCP - Water Package	DP-200F3	JB-500F8	POWER CABLE	P5	3G2.5
16	84314-CEL	UCP - HVAC HV Room	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
17	84315-CEL	UCP - HVAC LV Room	DP-200F3	B200-HSB-001	POWER CABLE	P5	3G2.5
18	84319-CEL	LV SWBD 800/460V AUXILIARY	DP-200F3	SG-200D2	POWER CABLE	P5	3G2.5
19	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5
20	84318-CEL	LV SWITCHBOARD AUXILIARY	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5
21	72211-CEL	INTERMEDIATE OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-02	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 (EL+23.310 m).

CABLE TYPE DETAILS

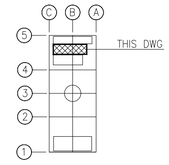
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

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

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

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT -UPSs & BATTERIES SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00045	B-300 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	01/08/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
UPSs & BATTERIES SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 01/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20113	SHEET 3of8	REV. 01

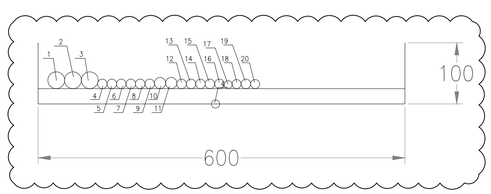
File Name : 123A90-DDL-EL-DL-20113

DRAWING NO. 123A90-DDL-EL-DL-20113

REV. 01

L-600-101-LVT-038 VIA-E-MCT-302

01

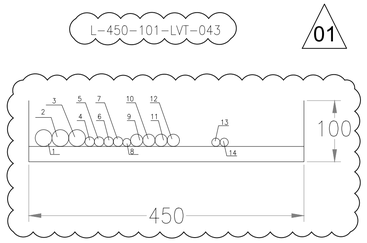


01

SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83028-CEL	AC UPS PAS – 30min – Line A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
2	83029-CEL	AC UPS PAS – 30min – Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
3	83030-CEL	AC UPS PAS – 30min – Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
4	84301-CEL	SIS –Controller and I/O Cabinet – Line A	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
5	84302-CEL	SIS –Controller and I/O Cabinet – Line B	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
6	84303-CEL	PCS –Controller and I/O Cabinet – Line A	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
7	84304-CEL	PCS –Controller and I/O Cabinet – Line B	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
8	84305-CEL	EMCS –Controller and I/O Cabinet – Line A	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
9	84306-CEL	EMCS –Controller and I/O Cabinet – Line B	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
10	84307-CEL	SERVER CABINET ITER – LINE A	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
11	84308-CEL	SERVER CABINET ITER – LINE B	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
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	84313-CEL	UCP – Water Package	DP-200F3	JB-500F8	POWER CABLE	P5	3G2.5
15	84314-CEL	UCP – HVAC HV Room	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
16	84315-CEL	UCP – HVAC LV Room	DP-200F3	B200-HSB-001	POWER CABLE	P5	3G2.5
17	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5
18	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-02	POWER CABLE	P5	2C X 2.5
19	72203-CEL	TOP OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
20	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5

L-450-101-LVT-043

01

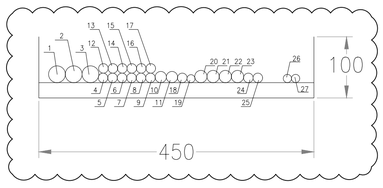


01

SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83031-CEL	AC UPS F&G – 8h – Line A	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
2	83032-CEL	AC UPS F&G – 8h – Line B	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
3	83033-CEL	AC UPS F&G – 8h – Bypass	SG-200N1	UP-200F4	POWER CABLE	P4	4G35
4	84401-CEL	FGS Fire & Gas Panel – Line A	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
5	84402-CEL	FGS Fire & Gas Panel – Line B	DP-200F4	B400-FGS-001	POWER CABLE	P5	3G2.5
6	84403-CEL	System Server / Network Cabinet – Line A	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
7	84404-CEL	System Server / Network Cabinet – Line B	DP-200F4	B400-NET-001	POWER CABLE	P5	3G2.5
8	83123-CEL	AC UPS F&G AUXILIARY	DP-200N1	UP-200F4	POWER CABLE	P4	3G2.5
9	84411-CEL-1-P	AC UPS F&G – BATTERY ISOLATOR-A	BC-200F4A	CB-200F4A	POWER CABLE	P5	1C X 70
10	84411-CEL-1-N	AC UPS F&G – BATTERY ISOLATOR-A	BC-200F4A	CB-200F4A	POWER CABLE	P5	1C X 70
11	84412-CEL-1-P	AC UPS F&G – BATTERY ISOLATOR-B	BC-200F4B	CB-200F4B	POWER CABLE	P5	1C X 70
12	84412-CEL-1-N	AC UPS F&G – BATTERY ISOLATOR-B	BC-200F4B	CB-200F4B	POWER CABLE	P5	1C X 70
13	84410-CEC	AC UPS F&G – CHARGER-A	CB-200F4A	BC-200F4A	CONTROL CABLE	P7	7C X 1.5
14	84411-CEC	AC UPS F&G – CHARGER-B	CB-200F4B	BC-200F4B	CONTROL CABLE	P7	7C X 1.5

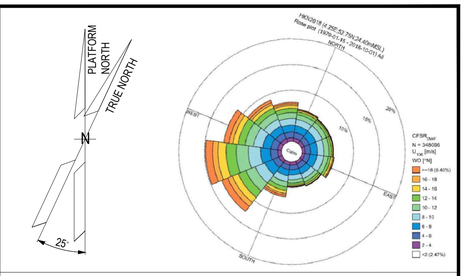
L-450-101-LVT-040

01



01

SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83028-CEL	AC UPS PAS – 30min – Line A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
2	83029-CEL	AC UPS PAS – 30min – Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
3	83030-CEL	AC UPS PAS – 30min – Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
4	84301-CEL	SIS –Controller and I/O Cabinet – Line A	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
5	84302-CEL	SIS –Controller and I/O Cabinet – Line B	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
6	84303-CEL	PCS –Controller and I/O Cabinet – Line A	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
7	84304-CEL	PCS –Controller and I/O Cabinet – Line B	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
8	84305-CEL	EMCS –Controller and I/O Cabinet – Line A	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
9	84306-CEL	EMCS –Controller and I/O Cabinet – Line B	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
10	84307-CEL	Server Cabinet ITER – Line A	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
11	84308-CEL	Server Cabinet ITER – Line B	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
12	84311-CEL	UCP – Instrument Air Package A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
13	84312-CEL	UCP – N2 Package	DP-200F3	CP-640E1	POWER CABLE	P5	3G2.5
14	84313-CEL	UCP – Water Package	DP-200F3	JB-500F8	POWER CABLE	P5	3G2.5
15	84314-CEL	UCP – HVAC HV Room	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
16	84315-CEL	UCP – HVAC LV Room	DP-200F3	B200-HSB-001	POWER CABLE	P5	3G2.5
17	84316-CEL	UCP – HVAC UPS Room	DP-200F3	B300-HSB-001	POWER CABLE	P5	3G2.5
18	84317-CEL	UCP – HVAC ITER	DP-200F3	B400-HSB-001	POWER CABLE	P5	3G2.5
19	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5
20	84331-CEL-1-P	AC UPS PAS – BATTERY ISOLATOR-A	BC-200F3A	CB-200F3A	POWER CABLE	P5	1C X 70
21	84331-CEL-1-N	AC UPS PAS – BATTERY ISOLATOR-A	BC-200F3A	CB-200F3A	POWER CABLE	P5	1C X 70
22	84332-CEL-1-P	AC UPS PAS – BATTERY ISOLATOR-B	BC-200F3B	CB-200F3B	POWER CABLE	P5	1C X 70
23	84332-CEL-1-N	AC UPS PAS – BATTERY ISOLATOR-B	BC-200F3B	CB-200F3B	POWER CABLE	P5	1C X 70
24	84318-CEL	LV SWITCHBOARD AUXILIARY	DP-200F3	SG-200N1	POWER CABLE	P5	3G2.5
25	84319-CEL	LV SWBD 800/460V AUXILIARY	DP-200F3	SG-200D2	POWER CABLE	P5	3G2.5
26	84331-CEC	AC UPS PAS – CHARGER-B	CB-200F3B	BC-200F3B	CONTROL CABLE	P7	7C X 1.5
27	84330-CEC	AC UPS PAS – CHARGER-A	CB-200F3A	BC-200F3A	CONTROL CABLE	P7	7C X 1.5



NOTES

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

CABLE TYPE DETAILS

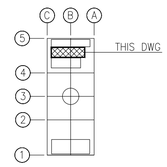
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

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

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

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT -UPSs & BATTERIES SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00045	B-300 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	01/08/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
UPSs & BATTERIES SWITCHROOM

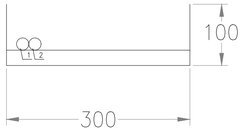
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 01/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20113	SHEET 4of8	REV. 01

File Name : 123A90-DDL-EL-DL-20113

DRAWING NO. 123A90-DDL-EL-DL-20113

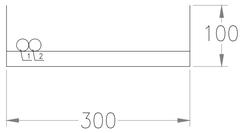
REV. 01

L-300-101-LVT-045



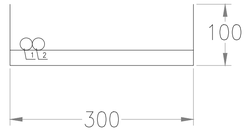
SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84331-CEL-2-P	AC UPS PAS - BATTERY-A	CB-200F3A	BA-200F3A	POWER CABLE	P5	1C X 70
2	84331-CEL-2-N	AC UPS PAS - BATTERY-A	CB-200F3A	BA-200F3A	POWER CABLE	P5	1C X 70

L-300-101-LVT-046



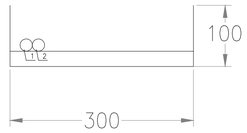
SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84332-CEL-2-P	AC UPS PAS - BATTERY-B	CB-200F3B	BA-200F3B	POWER CABLE	P5	1C X 70
2	84332-CEL-2-N	AC UPS PAS - BATTERY-B	CB-200F3B	BA-200F3B	POWER CABLE	P5	1C X 70

L-300-101-LVT-047

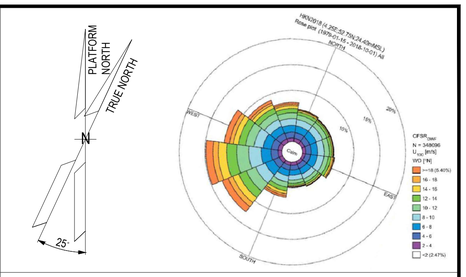


SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84411-CEL-2-P	AC UPS F&G - BATTERY-A	CB-200F4A	BA-200F4A	POWER CABLE	P5	1C X 70
2	84411-CEL-2-N	AC UPS F&G - BATTERY-A	CB-200F4A	BA-200F4A	POWER CABLE	P5	1C X 70

L-300-101-LVT-048



SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84412-CEL-2-P	AC UPS F&G - BATTERY-B	CB-200F4B	BA-200F4B	POWER CABLE	P5	1C X 70
2	84412-CEL-2-N	AC UPS F&G - BATTERY-B	CB-200F4B	BA-200F4B	POWER CABLE	P5	1C X 70



NOTES

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

CABLE TYPE DETAILS

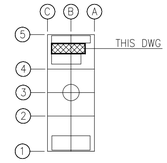
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

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

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

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT -UPSs & BATTERIES SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00045	B-300 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	01/08/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

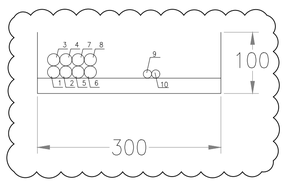
TITLE :

BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
UPSs & BATTERIES SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 01/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20113	SHEET 5of8	REV. 01

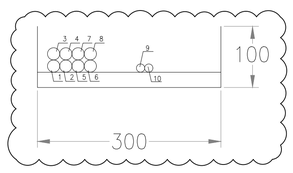
File Name : 123A90-DDL-EL-DL-20113

L-300-101-LVT-049



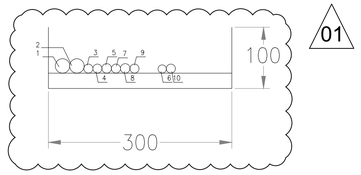
SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84331-CEL-1-P	AC UPS PAS - BATTERY ISOLATOR-A	BC-200F3A	CB-200F3A	POWER CABLE	P5	1C X 70
2	84331-CEL-1-N	AC UPS PAS - BATTERY ISOLATOR-A	BC-200F3A	CB-200F3A	POWER CABLE	P5	1C X 70
3	84331-CEL-2-P	AC UPS PAS - BATTERY-A	CB-200F3A	BA-200F3A	POWER CABLE	P5	1C X 70
4	84331-CEL-2-N	AC UPS PAS - BATTERY-A	CB-200F3A	BA-200F3A	POWER CABLE	P5	1C X 70
5	84332-CEL-1-P	AC UPS PAS - BATTERY ISOLATOR-B	BC-200F3B	CB-200F3B	POWER CABLE	P5	1C X 70
6	84332-CEL-1-N	AC UPS PAS - BATTERY ISOLATOR-B	BC-200F3B	CB-200F3B	POWER CABLE	P5	1C X 70
7	84332-CEL-2-P	AC UPS PAS - BATTERY-B	CB-200F3B	BA-200F3B	POWER CABLE	P5	1C X 70
8	84332-CEL-2-N	AC UPS PAS - BATTERY-B	CB-200F3B	BA-200F3B	POWER CABLE	P5	1C X 70
9	84331-CEC	AC UPS PAS - CHARGER-B	CB-200F3B	BC-200F3B	CONTROL CABLE	P7	7C X 1.5
10	84330-CEC	AC UPS PAS - CHARGER-A	CB-200F3A	BC-200F3A	CONTROL CABLE	P7	7C X 1.5

L-300-101-LVT-050



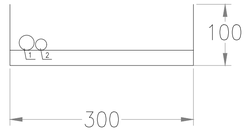
SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84411-CEL-1-P	AC UPS F&G - BATTERY ISOLATOR-A	BC-200F4A	CB-200F4A	POWER CABLE	P5	1C X 70
2	84411-CEL-1-N	AC UPS F&G - BATTERY ISOLATOR-A	BC-200F4A	CB-200F4A	POWER CABLE	P5	1C X 70
3	84411-CEL-2-P	AC UPS F&G - BATTERY-A	CB-200F4A	BA-200F4A	POWER CABLE	P5	1C X 70
4	84411-CEL-2-N	AC UPS F&G - BATTERY-A	CB-200F4A	BA-200F4A	POWER CABLE	P5	1C X 70
5	84412-CEL-1-P	AC UPS F&G - BATTERY ISOLATOR-B	BC-200F4B	CB-200F4B	POWER CABLE	P5	1C X 70
6	84412-CEL-1-N	AC UPS F&G - BATTERY ISOLATOR-B	BC-200F4B	CB-200F4B	POWER CABLE	P5	1C X 70
7	84412-CEL-2-P	AC UPS F&G - BATTERY-B	CB-200F4B	BA-200F4B	POWER CABLE	P5	1C X 70
8	84412-CEL-2-N	AC UPS F&G - BATTERY-B	CB-200F4B	BA-200F4B	POWER CABLE	P5	1C X 70
9	84410-CEC	AC UPS F&G - CHARGER-A	CB-200F4A	BC-200F4A	CONTROL CABLE	P7	7C X 1.5
10	84411-CEC	AC UPS F&G - CHARGER-B	CB-200F4B	BC-200F4B	CONTROL CABLE	P7	7C X 1.5

L-300-101-LVT-051

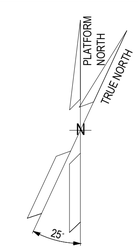


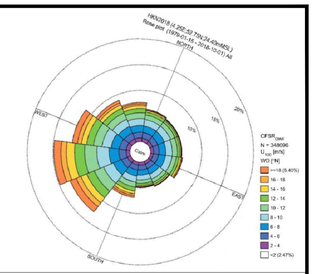
SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83036-CEL	DC UPS NAVAID System - Feeder A	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
2	83037-CEL	DC UPS - NAVAID System - Feeder B	SG-200N1	UP-200F2	POWER CABLE	P5	3G16
3	72201-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-01	POWER CABLE	P5	2C X 2.5
4	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-02	POWER CABLE	P5	2C X 2.5
5	72203-CEL	TOP OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
6	72217-CEC	NAV AIDS VISIBILITY METER	NC-200F2	EVM-200-01	CONTROL CABLE	P7	7C X 1.5
7	72207-CEC	NAV AIDS PHOTOCELL	NC-200F2	EPH-200-01	POWER CABLE	P5	2C X 2.5
8	72211-CEL	INTERMEDIATE OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-02	POWER CABLE	P5	3G2.5
9	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
10	72210-CEC	PCS	UP-200F2	B400-PCS-001	CONTROL CABLE	P5	2C X 2.5

L-300-101-LVT-054



SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83025-CEL	HVAC PANELS - UPS ROOM	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
2	84316-CEL	UCP - HVAC UPS ROOM	DP-200F3	B300-HSB-001	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 (EL+23.310 m).

CABLE TYPE DETAILS

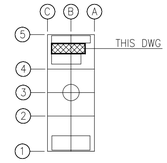
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

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

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

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT -UPSs & BATTERIES SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00045	B-300 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	01/08/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
UPSs & BATTERIES SWITCHROOM

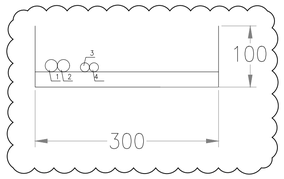
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 01/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20113	SHEET 6of8	REV. 01

File Name : 123A90-DDL-EL-DL-20113

DRAWING NO. 123A90-DDL-EL-DL-20113

REV. 01

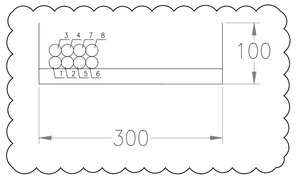
L-300-101-LVT-053 (01)



(01)

SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	72214-CEL-P	NAV AIDS BATTERY ISOLATOR	BC-200F2	CB-200F2	POWER CABLE	P5	1C X 70
2	72214-CEL-N	NAV AIDS BATTERY ISOLATOR	BC-200F2	CB-200F2	POWER CABLE	P5	1C X 70
3	72208-CEC	NAV AIDS BATTERY ISOLATOR	NC-200F2	CB-200F2	CONTROL CABLE	P5	2C X 2.5
4	72209-CEC	NAV AIDS BATTERY BANK TEMPERATURE PROBE	NC-200F2	ETM-200-01	CONTROL CABLE	P5	2C X 2.5

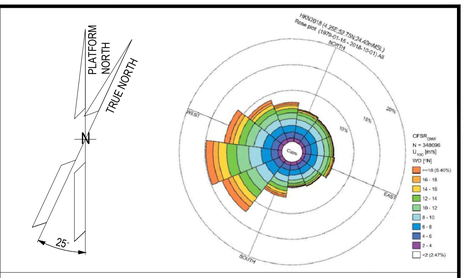
L-300-101-LVT-057 (01)



(01)

SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84411-CEL-1-P	AC UPS F&G – BATTERY ISOLATOR-A	BC-200F4A	CB-200F4A	POWER CABLE	P5	1C X 70
2	84411-CEL-1-N	AC UPS F&G – BATTERY ISOLATOR-A	BC-200F4A	CB-200F4A	POWER CABLE	P5	1C X 70
3	84411-CEL-2-P	AC UPS F&G – BATTERY-A	CB-200F4A	BA-200F4A	POWER CABLE	P5	1C X 70
4	84411-CEL-2-N	AC UPS F&G – BATTERY-A	CB-200F4A	BA-200F4A	POWER CABLE	P5	1C X 70
5	84412-CEL-1-P	AC UPS F&G – BATTERY ISOLATOR-B	BC-200F4B	CB-200F4B	POWER CABLE	P5	1C X 70
6	84412-CEL-1-N	AC UPS F&G – BATTERY ISOLATOR-B	BC-200F4B	CB-200F4B	POWER CABLE	P5	1C X 70
7	84412-CEL-2-P	AC UPS F&G – BATTERY-B	CB-200F4B	BA-200F4B	POWER CABLE	P5	1C X 70
8	84412-CEL-2-N	AC UPS F&G – BATTERY-B	CB-200F4B	BA-200F4B	POWER CABLE	P5	1C X 70
9	84410-CEC	AC UPS F&G – CHARGER-A	CB-200F4A	BC-200F4A	CONTROL CABLE	P7	7C X 1.5
10	84411-CEC	AC UPS F&G – CHARGER-B	CB-200F4B	BC-200F4B	CONTROL CABLE	P7	7C X 1.5

(01)



NOTES

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

CABLE TYPE DETAILS

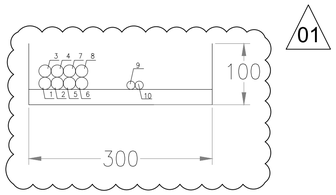
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

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

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

LEGEND

L-300-101-LVT-056 (01)

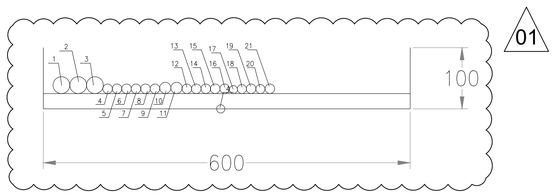


(01)

SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	84331-CEL-1-P	AC UPS PAS – BATTERY ISOLATOR-A	BC-200F3A	CB-200F3A	POWER CABLE	P5	1C X 70
2	84331-CEL-1-N	AC UPS PAS – BATTERY ISOLATOR-A	BC-200F3A	CB-200F3A	POWER CABLE	P5	1C X 70
3	84331-CEL-2-P	AC UPS PAS – BATTERY-A	CB-200F3A	BA-200F3A	POWER CABLE	P5	1C X 70
4	84331-CEL-2-N	AC UPS PAS – BATTERY-A	CB-200F3A	BA-200F3A	POWER CABLE	P5	1C X 70
5	84332-CEL-1-P	AC UPS PAS – BATTERY ISOLATOR-B	BC-200F3B	CB-200F3B	POWER CABLE	P5	1C X 70
6	84332-CEL-1-N	AC UPS PAS – BATTERY ISOLATOR-B	BC-200F3B	CB-200F3B	POWER CABLE	P5	1C X 70
7	84332-CEL-2-P	AC UPS PAS – BATTERY-B	CB-200F3B	BA-200F3B	POWER CABLE	P5	1C X 70
8	84332-CEL-2-N	AC UPS PAS – BATTERY-B	CB-200F3B	BA-200F3B	POWER CABLE	P5	1C X 70
9	84331-CEC	AC UPS PAS – CHARGER-B	CB-200F3B	BC-200F3B	CONTROL CABLE	P7	7C X 1.5
10	84330-CEC	AC UPS PAS – CHARGER-A	CB-200F3A	BC-200F3A	CONTROL CABLE	P7	7C X 1.5

(01)

B102 (L-600-101-LVT-038) (01)

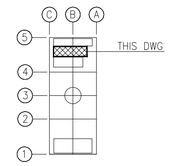


(01)

SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83028-CEL	AC UPS PAS – 30min – Line A	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
2	83029-CEL	AC UPS PAS – 30min – Line B	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
3	83030-CEL	AC UPS PAS – 30min – Bypass	SG-200N1	UP-200F3	POWER CABLE	P4	4G35
4	84301-CEL	SIS –Controller and I/O Cabinet – Line A	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
5	84302-CEL	SIS –Controller and I/O Cabinet – Line B	DP-200F3	B400-SIS-001	POWER CABLE	P5	3G2.5
6	84303-CEL	PCS –Controller and I/O Cabinet – Line A	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
7	84304-CEL	PCS –Controller and I/O Cabinet – Line B	DP-200F3	B400-PCS-001	POWER CABLE	P5	3G2.5
8	84305-CEL	EMCS –Controller and I/O Cabinet – Line A	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
9	84306-CEL	EMCS –Controller and I/O Cabinet – Line B	DP-200F3	B400-EMCS-001	POWER CABLE	P5	3G2.5
10	84307-CEL	SERVER CABINET ITER – LINE A	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
11	84308-CEL	SERVER CABINET ITER – LINE B	DP-200F3	B400-SRV-001	POWER CABLE	P5	3G6
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	84313-CEL	UCP – Water Package	DP-200F3	JB-500F8	POWER CABLE	P5	3G2.5
15	84314-CEL	UCP – HVAC HV Room	DP-200F3	B100-HSB-001	POWER CABLE	P5	3G2.5
16	84315-CEL	UCP – HVAC LV Room	DP-200F3	B200-HSB-001	POWER CABLE	P5	3G2.5
17	83122-CEL	AC UPS PAS AUXILIARY	DP-200N1	UP-200F3	POWER CABLE	P4	3G2.5
18	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-02	POWER CABLE	P5	2C X 2.5
19	72203-CEL	TOP OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
20	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
21	84316-CEL	UCP – HVAC UPS ROOM	DP-200F3	B300-HSB-001	POWER CABLE	P5	3G2.5

(01)

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT -UPSs & BATTERIES SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00045	B-300 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	01/08/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

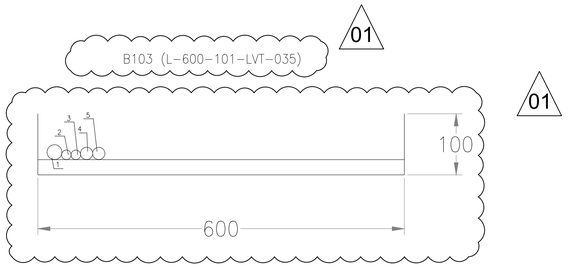
ROSETTI MARINO

TITLE :

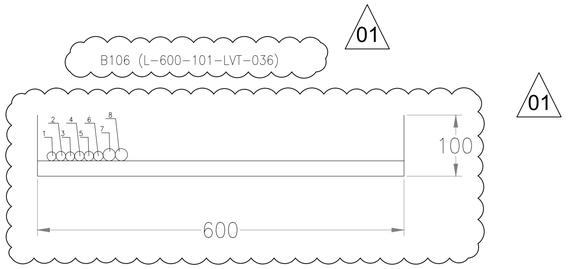
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
UPSs & BATTERIES SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 01/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20113	SHEET 7of8	REV. 01

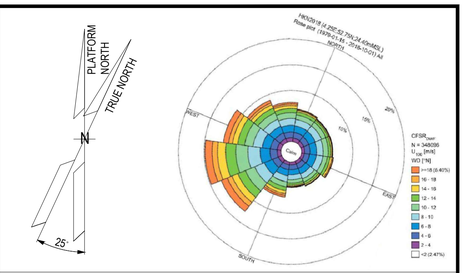
File Name : 123A90-DDL-EL-DL-20113



SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	83025-CEL	HVAC PANELS – UPS ROOM	SG-200N1	B300-HSB-001	POWER CABLE	P4	5G16
2	72211-CEL	INTERMEDIATE OBSTRUCTION LIGHTS JUNCTION BOX	NC-200F2	EJB-200F2-02	POWER CABLE	P5	3G2.5
3	84316-CEL	UCP – HVAC UPS ROOM	DP-200F3	B300-HSB-001	POWER CABLE	P5	3G2.5
4	84412-CEL-2-P	AC UPS F&G – BATTERY-B	CB-200F4B	BA-200F4B	POWER CABLE	P5	1C X 70
5	84412-CEL-2-N	AC UPS F&G – BATTERY-B	CB-200F4B	BA-200F4B	POWER CABLE	P5	1C X 70



SECTION POS.	CABLE TAG NUMBER	DESCRIPTION	FROM	TO	SERVICE TYPE	CABLE TYPE	CABLE CROSS SECTION (sq.mm)
1	72202-CEL	NAV AIDS MAIN YELLOW LANTERNS	NC-200F2	EML-200-02	POWER CABLE	P5	2C X 2.5
2	72203-CEL	DC UPS – NAVAID SYSTEM – FEEDER B	NC-200F2	EJB-200F2-01	POWER CABLE	P5	3G2.5
3	72210-CEL	WAVE OFF STATUS LIGHT	NC-200F2	ESL-200-01	POWER CABLE	P5	2C X 2.5
4	84311-CEL	UCP – INSTRUMENT AIR PACKAGE A-63000	DP-200F3	CP-630E1	POWER CABLE	P5	3G2.5
5	84312-CEL	UCP – N2 Package	DP-200F3	CP-640E1	POWER CABLE	P5	3G2.5
6	84317-CEL	UCP – HVAC ITER	DP-200F3	B400-HSB-001	POWER CABLE	P5	3G2.5
7	84332-CEL-2-P	AC UPS PAS – BATTERY-B	CB-200F3B	BA-200F3B	POWER CABLE	P5	1C X 70
8	84332-CEL-2-N	AC UPS PAS – BATTERY-B	CB-200F3B	BA-200F3B	POWER CABLE	P5	1C X 70



NOTES

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

CABLE TYPE DETAILS

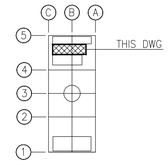
P4 - MULTI CORE, 0.6/1 KV, STRANDED COPPER, EPR INSULATION, LSZH OUTER SHEATH MATERIAL, UNARMOURED CABLE, FLAME RETARDANT.

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

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

LEGEND

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT -UPSs & BATTERIES SWITCHROOM
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00045	B-300 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	01/08/24	ASR	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/06/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
UPSs & BATTERIES SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:10
DRAWN SPS	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 01/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20113	SHEET 8of8	REV. 01