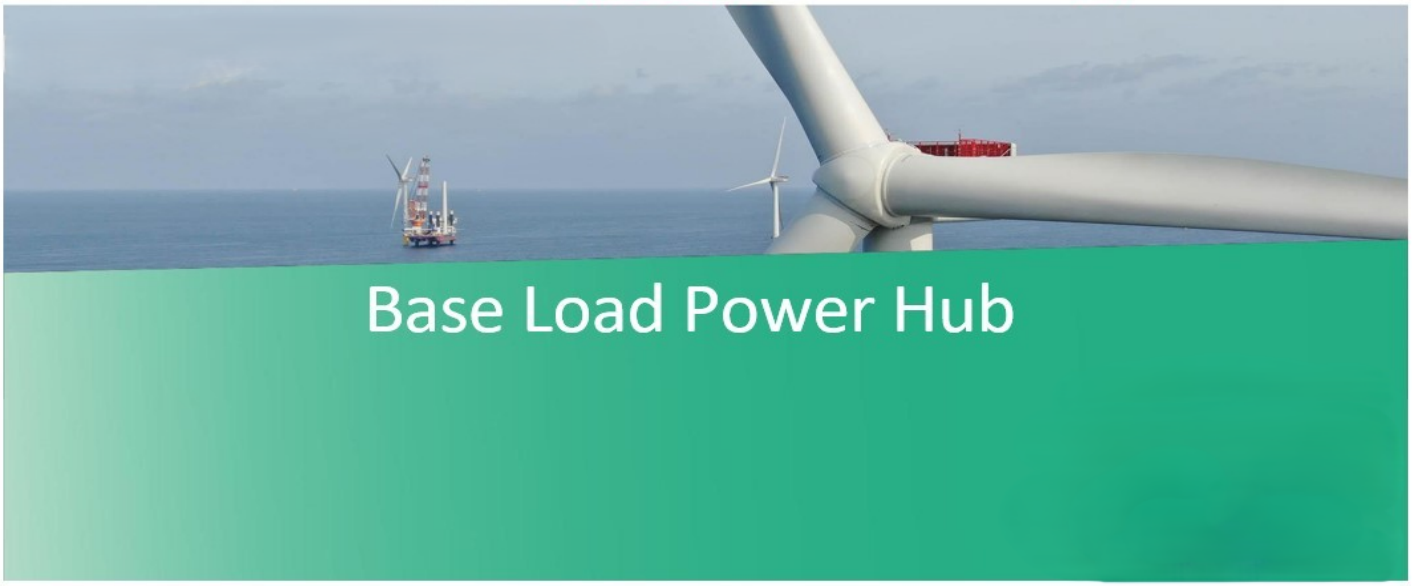
CROSSWIND

ROSETTI MARINO

PROVERLIS

PROJECT **123A90 - HOLLANDSE KUST NOORD WIND PARK**
BLPH Project



MECHANICAL COMPLETION DOSSIER (ONSHORE)

SYSTEM	90 Structural, Architectural
SUBSYSTEM	90-04 I&T System Equipment Room B-400

CROSSWIND	123A90 - HOLLANDSE KUST NOORD WIND PARK BLPH Project MECHANICAL COMPLETION DOSSIER INDEX	ROSETTI MARINO

Sub System N°:	90-04	Tick as appropriate	ONSHORE	O
Description:	I&T System Equipment Room B-400		OFFSHORE	NA

1.	***READY FOR COMMISSIONING CERTIFICATE*** *Ready For Commissioning Certificate (RFC)*	O
2.	***CONSOLIDATED PUNCH LISTS*** *Cleared and Residual Items*	O
3.	***SYSTEM/SUB-SYSTEM LIMIT DRAWINGS*** *Mark-up drawings showing the limits of the relevant System/Sub-System*	NA
4.	***MECHANICAL COMPLETION STATUS INDEX – BUILDING DISCIPLINE*** *Building Sub-System Status Index (Print out) and Check/Test sheets*	NA
5.	***MECHANICAL COMPLETION STATUS INDEX – ELECTRICAL DISCIPLINE*** *Electrical Sub-System Status Index (Print out) and Check/Test Sheets* *Hazardous Area Equipment Detailed Inspection*	O
6.	***MECHANICAL COMPLETION STATUS INDEX - INSTRUMENTAL DISCIPLINE*** *Instrumental Sub-System Status Index (Print out) and Check/Test Sheets*	O
7.	***MECHANICAL COMPLETION STATUS INDEX - MECHANICAL DISCIPLINE*** *Mechanical SubSystem Status Index (Print out) and Check/Test Sheets*	NA
8.	***MECHANICAL COMPLETION STATUS INDEX - TELECOMMUNICATION DISCIPLINE*** *Telecommunication Sub-System Status Index (Print out) and Check/Test Sheets*	NA
9.	***MECHANICAL COMPLETION STATUS INDEX - HVAC DISCIPLINE*** *HVAC Sub-System Status Index (Print out) and Check/Test Sheets*	NA
10.	***MECHANICAL COMPLETION STATUS INDEX - PIPING DISCIPLINE*** *Piping Sub-System Status Index and Check/Test Sheets*	NA
11.	***MECHANICAL COMPLETION INDEX - SAFETY DISCIPLINE*** *Safety Sub-System Status Index (Print out) and Check/Test Sheets*	NA
12.	***FAT / VENDOR REPORTS*** *Fat reports issued by vendors and/or vendor reports*	NA
13.	***MECHANICAL COMPLETION CHANGES / MARK-UPS*** *A copy of the changes initiated during the Mechanical Completion process pertaining to the relevant Sub-System will be incorporated in this section*	NA

Note: Under the generic terminology “Building” are also covered the following disciplines: **Structural, Painting**

Under the generic terminology “Instrumental” is also covered the following discipline: **Fire & Gas**

ROSETTI MARINO

123A90 - HOLLANDSE KUST NOORD WIND PARK
BLPH Project

CROSSWIND

Ready For Commissioning (RFC) Certificate

COMPLETE	●	PARTIAL	

Revision:	1		Issued on:	2025-03-01	
System:	90	/	Structural, Architectural		
SubSystem:	90-04	/	I&T System Equipment Room B-400		

1	COMPANY has, at its option and if required, reviewed the mechanical completion associated with the above-named system/sub-system of the SCOPE and observed that such functional sub-system has been brought into readiness for commencement of the associated pre-commissioning and commissioning activities, but for the outstanding punch list items, if any, attached and referred in this Certificate.
2	Issuance of this Certificate shall not release CONTRACTOR from any of his obligations, responsibilities or liabilities under the CONTRACT.
3	Mechanical Completion Status Index attached (per Discipline) Punch List report attached (Outstanding and Cleared)

PUNCH LIST	PENDING POINTS	
Note: All Category "A" Items must be cleared prior to issue a Ready For Commissioning (RFC) Certificate	A	B
	'0	3

REMARKS:

	CONTRACTOR Construction Manager	**CONTRACTOR** Commissioning Manager	**COMPANY** Construction Lead (if required)	**COMPANY** Commissioning Lead (if required)
Name	Wolmer Borghi	Anthony Iveson	CPY NOT PRESENT	CPY NOT PRESENT
Date	2025-03-03	2025-03-03	2025-03-03	2025-03-03
Signature	PROVERLIS Digitaly signed by Wolmer Borghi 2025-03-03T09:56:17.051Z	PROVERLIS Digitaly signed by Anthony Iveson 2025-03-03T10:00:25.251Z	PROVERLIS Digitaly signed by CPY NOT PRESEN 2025-03-03T14:33:24.917Z	PROVERLIS Digitaly signed by CPY NOT PRESEN 2025-03-03T14:33:34.285Z

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 90-04 & process: MC

Electrical	90-04 I&T System Equipment Room B-400						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
CABLE_TRAY_B400_ELE_LV	Cable Tray B400 - Electrical (Low Voltage)	ONSHORE	C10002292	CPX30A	100	2024-10-03	RFC 1
		ONSHORE	C10002293	CPX30B	100	2025-02-21	RFC 1
E-MCT-401	Multi Cable Transit	ONSHORE	C10001874	CPX29	100	2025-01-23	RFC 1
E-MCT-402	Multi Cable Transit	ONSHORE	C10001875	CPX29	100	2025-01-07	RFC 1

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 90-04 & process: MC

Instrumental	90-04 I&T System Equipment Room B-400						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
CABLE_TRAY_B400_INS	Cable Tray B400 - Instrumental	ONSHORE	C10002294	CJX30A	100	2024-10-03	RFC 1
		ONSHORE	C10002295	CJX30B	100	2025-02-21	RFC 1
I-MCT-401	Multi Cable Transit	ONSHORE	C10001903	CJX29	100	2025-03-01	RFC 1
I-MCT-402	Multi Cable Transit	ONSHORE	C10001904	CJX29	100	2025-02-19	RFC 1
I-MCT-403	Multi Cable Transit	ONSHORE	C10001905	CJX29	100	2025-03-01	RFC 1

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	90	Structural, Architectural
SUBSYSTEM	90-04	I&T System Equipment Room B-400

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000138	B	CABLE_TRAY_B400_ELE_LV C10002292	Cable tray nont installed L-150-101-LVT-156 "150X100mm"	.		Gtangianu 2024-10-03	2025-01-03	Gtangianu 2025-01-03	2025-01-03
C30000139	B	CABLE_TRAY_B400_ELE_LV C10002292	Cable tray L-300-101-LVT-066 found sharp edge, rubber protection are missing.	.		Gtangianu 2024-10-03	2025-01-03	Gtangianu 2025-01-03	2025-01-03
C30000140	B	CABLE_TRAY_B400_ELE_LV C10002292	Missing copper grease on all earthing connection.	.		Gtangianu 2024-10-03	Alambertini 2024-10-16	Ecarotenuto 2024-10-16	2024-10-16
C30002373	B	E-MCT-402 C10001875	Missing traffolyte tag on both side of MCT	.		Pschintu 2025-01-07	2025-02-03	Pschintu 2025-02-03	2025-02-03
C30003162	B	E-MCT-401 C10001874	Missing traffolyte tag on both side oh MCT	.		Pschintu 2025-01-23	2025-02-07	Ecarotenuto 2025-02-07	2025-02-07
C30003163	B	E-MCT-401 C10001874	MCT composition to be checked after temporary cables are removed	.		Pschintu 2025-01-23			
C30004065	B	CABLE_TRAY_B400_ELE_LV C10002293	Cables need to be fixed on cable trayS as per 123A90-DDL-EL-DD-20092, sh:10	.		Ecarotenuto 2025-02-21			

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	90	Structural, Architectural
SUBSYSTEM	90-04	I&T System Equipment Room B-400

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000142	B	CABLE_TRAY_B400_INS C10002294	Cable tray not installed L-200-101-IST-087	.		Gtangianu 2024-10-03	2025-02-04	APolo 2025-02-04	2025-02-04
C30000143	B	CABLE_TRAY_B400_INS C10002294	Missing clamps fixing cable tray L-600-101-IST-070	.		Gtangianu 2024-10-03	2025-01-03	Gtangianu 2025-01-03	2025-01-03
C30000144	B	CABLE_TRAY_B400_INS C10002294	Cable tray L-300-101-IST-092 missing earthing connection ; protection caps on support and rubber protection for sharp edges.	.		Gtangianu 2024-10-03	2025-02-04	APolo 2025-02-04	2025-02-04
C30004066	B	CABLE_TRAY_B400_INS C10002295	Cables need to be fixed on cable trays as per 123A90-DDL-EL-DD-20092, sh:10	.		Ecarotenuto 2025-02-21			

Section 2 CONSOLIDATED PUNCH LISTS

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	90	Structural, Architectural
SUBSYSTEM	90-04	I&T System Equipment Room B-400

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000138	B	CABLE_TRAY_B400_ELE_LV C10002292	Cable tray nont installed L-150-101-LVT-156 "150X100mm"	.		Gtangianu 2024-10-03	2025-01-03	Gtangianu 2025-01-03	2025-01-03
C30000139	B	CABLE_TRAY_B400_ELE_LV C10002292	Cable tray L-300-101-LVT-066 found sharp edge, rubber protection are missing.	.		Gtangianu 2024-10-03	2025-01-03	Gtangianu 2025-01-03	2025-01-03
C30000140	B	CABLE_TRAY_B400_ELE_LV C10002292	Missing copper grease on all earthing connection.	.		Gtangianu 2024-10-03	Alambertini 2024-10-16	Ecarotenuto 2024-10-16	2024-10-16
C30002373	B	E-MCT-402 C10001875	Missing traffolyte tag on both side of MCT	.		Pschintu 2025-01-07	2025-02-03	Pschintu 2025-02-03	2025-02-03
C30003162	B	E-MCT-401 C10001874	Missing traffolyte tag on both side oh MCT	.		Pschintu 2025-01-23	2025-02-07	Ecarotenuto 2025-02-07	2025-02-07
C30003163	B	E-MCT-401 C10001874	MCT composition to be checked after temporary cables are removed	.		Pschintu 2025-01-23	2025-03-04	JKrizanic 2025-03-04	2025-03-04
C30004065	B	CABLE_TRAY_B400_ELE_LV C10002293	Cables need to be fixed on cable trayS as per 123A90-DDL-EL-DD-20092, sh:10	.		Ecarotenuto 2025-02-21	2025-03-07	Pschintu 2025-03-07	2025-03-07

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	90	Structural, Architectural
SUBSYSTEM	90-04	I&T System Equipment Room B-400

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000142	B	CABLE_TRAY_B400_INS C10002294	Cable tray not installed L-200-101-IST-087	.		Gtangianu 2024-10-03	2025-02-04	APolo 2025-02-04	2025-02-04
C30000143	B	CABLE_TRAY_B400_INS C10002294	Missing clamps fixing cable tray L-600-101-IST-070	.		Gtangianu 2024-10-03	2025-01-03	Gtangianu 2025-01-03	2025-01-03
C30000144	B	CABLE_TRAY_B400_INS C10002294	Cable tray L-300-101-IST-092 missing earthing connection ; protection caps on support and rubber protection for sharp edges.	.		Gtangianu 2024-10-03	2025-02-04	APolo 2025-02-04	2025-02-04
C30004066	B	CABLE_TRAY_B400_INS C10002295	Cables need to be fixed on cable trays as per 123A90-DDL-EL-DD-20092, sh:10	.		Ecarotenuto 2025-02-21	2025-03-07	Pschintu 2025-03-07	2025-03-07

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30004066

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002295	1.4 Discipline	Instrumental
1.2 Item	CABLE_TRAY_B400_INS	Cable Tray B400 - Instrumental	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Cables need to be fixed on cable trays as per 123A90-DDL-EL-DD-20092, sh:10

Name: Eleonora Carotenuto

Date: 2025-02-21

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Eleonora Carotenuto
3.4 Activity code	MC Mechanical Completion	Date	2025-02-21
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Paolo Schintu

Date: 2025-03-07

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000138

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002292	1.4 Discipline	Electrical
1.2 Item	CABLE_TRAY_B400_ELE_LV	Cable Tray B400 - Electrical (Low Voltage)	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Cable tray nont installed L-150-101-LVT-156 "150X100mm"

Name: Giovanni Tangianu

Date: 2024-10-03

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2024-10-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-01-03

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000139

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002292	1.4 Discipline	Electrical
1.2 Item	CABLE_TRAY_B400_ELE_LV	Cable Tray B400 - Electrical (Low Voltage)	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Cable tray L-300-101-LVT-066 found sharp edge, rubber protection are missing.

Name: Giovanni Tangianu

Date: 2024-10-03

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2024-10-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-01-03

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000140

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002292	1.4 Discipline	Electrical
1.2 Item	CABLE_TRAY_B400_ELE_LV	Cable Tray B400 - Electrical (Low Voltage)	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Missing copper grease on all earthing connection.

Name: Giovanni Tangianu
Date: 2024-10-03
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2024-10-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

-

Name: Andrea Lambertini
Date: 2024-10-16
Signature:

5 - CLEARANCE CHECK

Point Not Applicable

Name: Eleonora Carotenuto
Date: 2024-10-16
Signature:

6- CLEARANCE APPROVAL

Name:
Date: 2024-10-16
Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000142

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002294	1.4 Discipline	Instrumental
1.2 Item	CABLE_TRAY_B400_INS	Cable Tray B400 - Instrumental	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Cable tray not installed L-200-101-IST-087

Name: Giovanni Tangianu

Date: 2024-10-03

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2024-10-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-04

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000143

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002294	1.4 Discipline	Instrumental
1.2 Item	CABLE_TRAY_B400_INS	Cable Tray B400 - Instrumental	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Missing clamps fixing cable tray L-600-101-IST-070

Name: Giovanni Tangianu

Date: 2024-10-03

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2024-10-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-01-03

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000144

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002294	1.4 Discipline	Instrumental
1.2 Item	CABLE_TRAY_B400_INS	Cable Tray B400 - Instrumental	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Cable tray L-300-101-IST-092 missing earthing connection ; protection caps on support and rubber protection for sharp edges.

Name: Giovanni Tangianu

Date: 2024-10-03

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2024-10-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-04

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002373

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10001875	1.4 Discipline	Electrical
1.2 Item	E-MCT-402	Multi Cable Transit	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Missing traffolyte tag on both side of MCT

Name: Paolo Schintu

Date: 2025-01-07

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Paolo Schintu
3.4 Activity code	MC Mechanical Completion	Date	2025-01-07
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Done

Name: Paolo Schintu

Date: 2025-02-03

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003162

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10001874	1.4 Discipline	Electrical
1.2 Item	E-MCT-401	Multi Cable Transit	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Missing traffolyte tag on both side oh MCT

Name: Paolo Schintu

Date: 2025-01-23

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Paolo Schintu
3.4 Activity code	MC Mechanical Completion	Date	2025-01-23
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Done

Name: Eleonora Carotenuto

Date: 2025-02-07

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003163

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10001874	1.4 Discipline	Electrical
1.2 Item	E-MCT-401	Multi Cable Transit	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

MCT composition to be checked after temporary cables are removed

Name: Paolo Schintu

Date: 2025-01-23

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Paolo Schintu
3.4 Activity code	MC Mechanical Completion	Date	2025-01-23
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Josip Krizanic

Date: 2025-03-04

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30004065

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002293	1.4 Discipline	Electrical
1.2 Item	CABLE_TRAY_B400_ELE_LV	Cable Tray B400 - Electrical (Low Voltage)	
1.3 Subsystem	90-04	I&T System Equipment Room B-400	

2 - OBSERVATION

Cables need to be fixed on cable trayS as per 123A90-DDL-EL-DD-20092, sh:10

Name: Eleonora Carotenuto

Date: 2025-02-21

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Eleonora Carotenuto
3.4 Activity code	MC Mechanical Completion	Date	2025-02-21
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Paolo Schintu

Date: 2025-03-07

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

Section 3 SYSTEM,SUB-SYSTEM LIMIT DRAWINGS

NOT APPLICABLE

Section 4 MECHANICAL COMPLETION STATUS INDEX - BUILDING DISCIPLINE

NOT APPLICABLE

Section 5 MECHANICAL COMPLETION STATUS INDEX - ELECTRICAL DISCIPLINE

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 90-04 & process: MC & discipline : E

Electrical	90-04 I&T System Equipment Room B-400						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
CABLE_TRAY_B400_ELE_LV	Cable Tray B400 - Electrical (Low Voltage)	ONSHORE	C10002292	CPX30A	100	2024-10-03	RFC 1
		ONSHORE	C10002293	CPX30B	100	2025-02-21	RFC 1
E-MCT-401	Multi Cable Transit	ONSHORE	C10001874	CPX29	100	2025-01-23	RFC 1
E-MCT-402	Multi Cable Transit	ONSHORE	C10001875	CPX29	100	2025-01-07	RFC 1

ITEM	Tag	E-MCT-401	: Multi Cable Transit		Dwg	123A90-DDL-EL-DL-20115	
	S/Sys	90-04	: I&T System Equipment Room B-400		Module	LD_B-400_Ext	
TASK	code	C10001874	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	MC	Activity CCK	Discipline Electrical	Form	CPX29	MCT Penetration Electrical

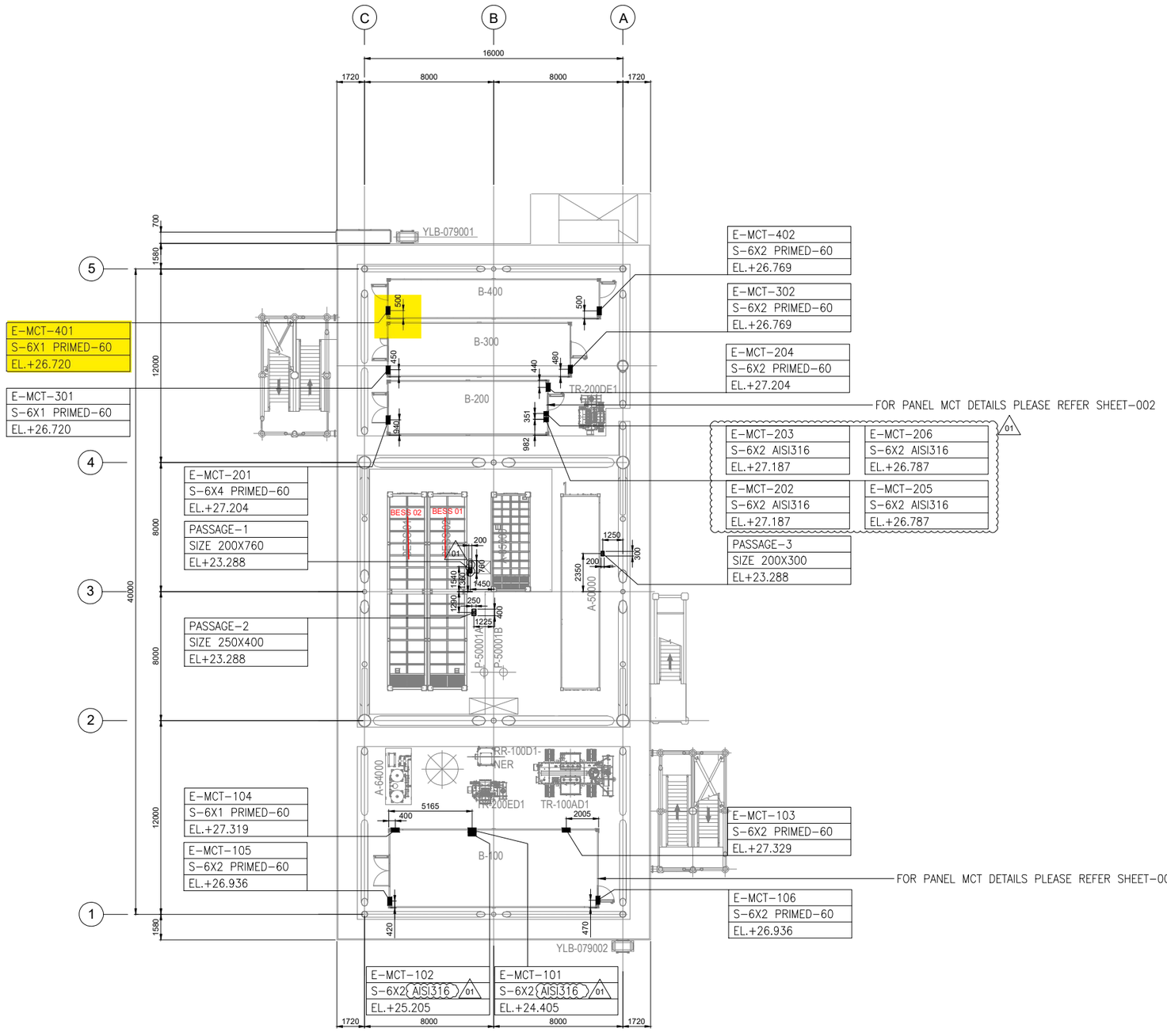
1	Check that MCT's conforms to revision and specification.	OK
2	Check MCT's is installed correctly in accordance with latest layout drawings without clashes with pipe runs or other equipment.	PL
3	Check MCT's is properly tagged, on both side of penetration	PL
4	Check the cable arrangement in MCT's is conform with the latest drawing.	Note
5	If required produce Red Line Mark Up for "AS BUILT"	

Comments: Note 4: Refer to PL n* C30002351

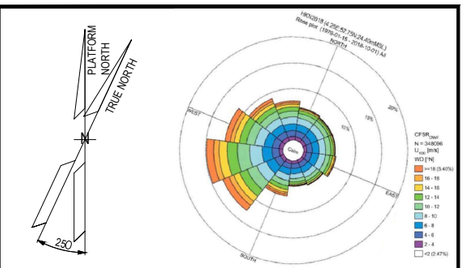
	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM(ROSETTI MARINO)	
Name	Michele Tartaglia	Paolo Schintu	
Date	2025-01-04	2025-01-23	
Signature	PROVERLIS Digitaly signed by Michele Tartaglia 2025-01-04T10:54:08.343Z	PROVERLIS Digitaly signed by Paolo Schintu 2025-01-23T08:15:55.759Z	

DRAWING NO. 123A90-DDL-EL-DL-20115

REV. 01



PLAN ON LOWER DECK
EL+23.310 T.O.S.



NOTES

GENERAL NOTES:

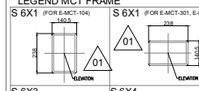
1. ALL DIMENSIONS IN mm U.N.O
2. ALL ELEVATIONS IN METERS.
3. ALL ELEVATIONS RELATE TO LOWEST ASTRONOMICAL TIDE (LAT) = 0.000.

NOTES:

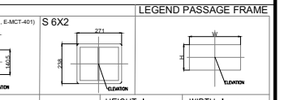
1. THIS DOCUMENT IS VALID FOR TAGGING, SIZE AND LOCATION OF THE MCT.

LEGEND

LEGEND MCT FRAME



LEGEND PASSAGE FRAME

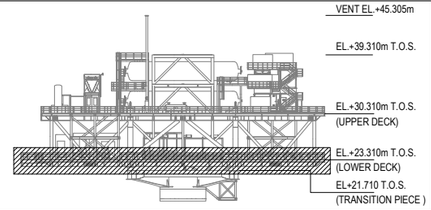


	HEIGHT in mm	WIDTH in mm
PASSAGE-1	100	300
PASSAGE-2	150	200
PASSAGE-3	100	200

MULTI CABLE TRANSIT
PASSAGE

TAG	TAGGING
SIZE-MATERIAL-DEPTH	TYPICAL
EL.	ELEVATION

KEY PLAN



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-20095	MCT COMPOSITION
123A90-DDL-EL-DL-20114	ELECTRICAL MCT LAYOUT-TOP DECK
123A90-DDL-EL-DL-20116	ELECTRICAL MCT LAYOUT- BELOW LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	23/07/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	12/04/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION

REV.:	DATE:	SIGNATURE:
1_B	12/12/24	C.Pilato

ROSETTI MARINO SpA

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL MCT 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 18/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20115	SHEET 001	REV. 01

File Name : 123A90-DDL-EL-DL-20115

INDEX

Sl.No.	TITLE	TYPE	Page No.
1	COVER SHEET		1
2	INDEX		3
	BELOW LOWER DECK MCT		5
3	E-MCT-T01	S 6X1 PRIMED	6
4	E-MCT-T02 **(NOTE-1)**	S 6X3 PRIMED	10
5	E-MCT-T03	S 6X1 PRIMED	14
	LOWER DECK MCT		18
6	E-MCT-101 **(NOTE-1)**	S 6X2 **AISI316**	19
7	E-MCT-102 **(NOTE-1)**	S 6X2 **AISI316**	23
8	E-MCT-103	S 6X2 PRIMED	27
9	E-MCT-104	S 6X1 PRIMED	31
10	E-MCT-105	S 6X2 PRIMED	35
11	E-MCT-106	S 6X2 PRIMED	39
12	E-MCT-201	S 6X4 PRIMED	43
13	E-MCT-202	S 6X2 **AISI316**	48
14	E-MCT-203	S 6X2 **AISI316**	52
15	E-MCT-204	S 6X2 PRIMED	56
16	E-MCT-205	S 6X2 **AISI316**	60
17	E-MCT-206	S 6X2 **AISI316**	64
18	E-MCT-301	S 6X1 PRIMED	68
19	E-MCT-302	S 6X2 PRIMED	72
20	E-MCT-401	S 6X1 PRIMED	76
21	E-MCT-402	S 6X2 PRIMED	80
	TOP DECK MCT		84
22	E-MCT-U02	S 6X2 **Ex** PRIMED	85
23	E-MCT-U03	S 6X1 **Ex** PRIMED	89
24	E-MCT-U04	S 6X1 **Ex** PRIMED	93
25	E-MCT-U05	S 6X1 **Ex** PRIMED	97
26	E-MCT-U06	S 6X1 **Ex** PRIMED	101
27	E-MCT-U07	S 6X1 **Ex** PRIMED	105
28	E-MCT-U08	S 6X1 **Ex** PRIMED	109
29	E-MCT-U09	S 6X1 **Ex** PRIMED	113
30	E-MCT-U10 (Spare)	S 6X1 **Ex** PRIMED	117
31	E-MCT-U11	S 6X1 **Ex** PRIMED	121
32	E-MCT-U12	S 6X1 **Ex** PRIMED	125
33	E-MCT-U13	S 6X1 **Ex** PRIMED	129
34	E-MCT-U14	S 6X1 **Ex** PRIMED	133
35	E-MCT-U15	S 6X1 **Ex** PRIMED	137

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically cont
considered as "NOT CONTROLLED" copy

File: 123A90-DDL-EL-DD-20095-MCT-composition.docx

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20095
REV.: 1_A | DATE: 08/08/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

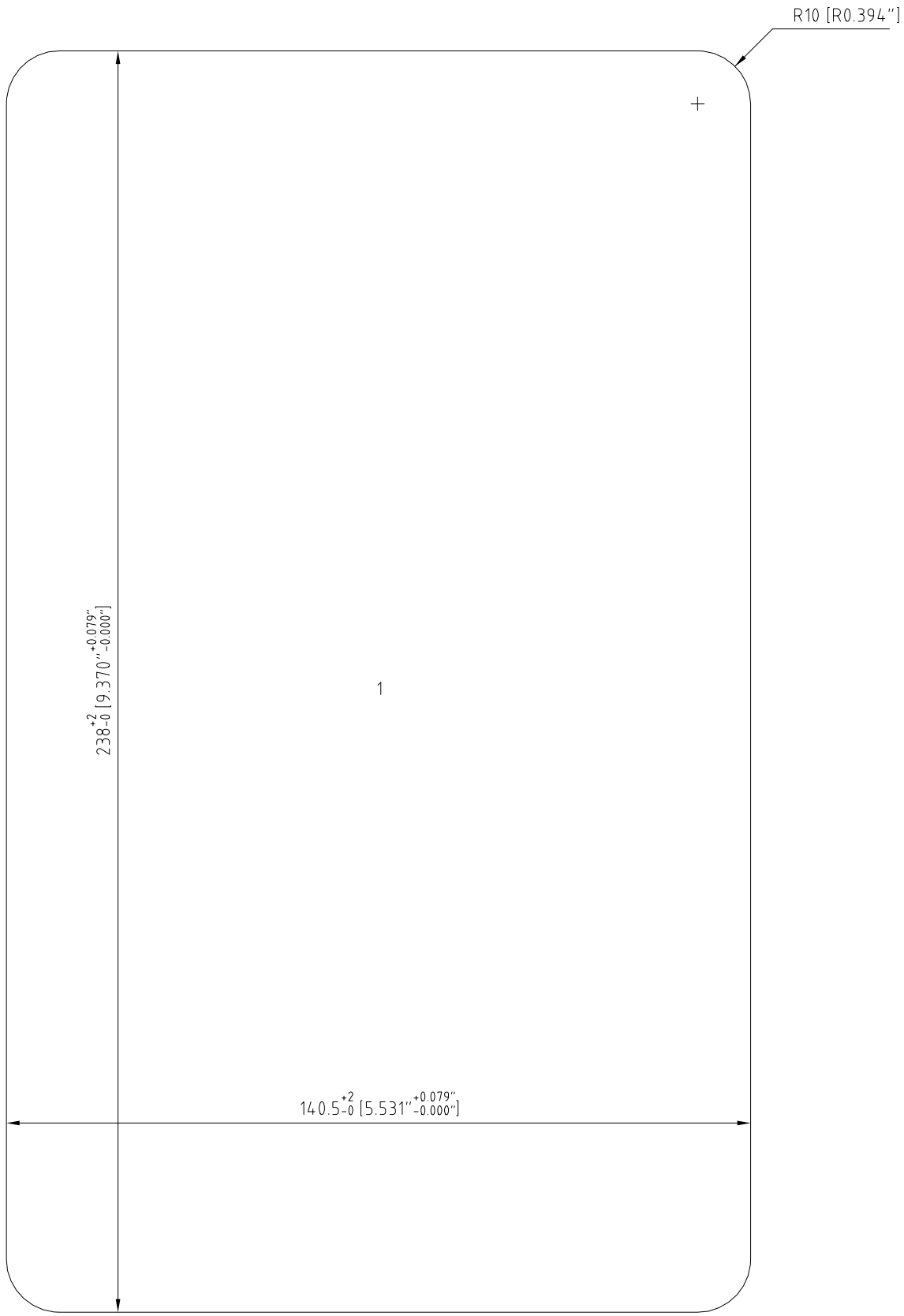
RTD Version No: 4.37.4.0

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20095**

REV.:	DATE:	SIGNATURE:
1_A	08/08/24	G.Randi

ROSETTI MARINO SpA

Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.



Cutout Detail

Frame: S 6x1 PRIMED Solution: 1

Item	Qty	Roxtec Packing Material mm ["]	Roxtec Art No	Weight Kg [lb]

Responsible: ARNESH	Created Date: 2024-07-10	Modify Date: 2024-07-10	Project: BLPH - ROS Location/ Sublocation	TotWeight: 7 [15.39]
Roxtec	Format: NTS		Transit name: E-MCT-401	Sheet No: 1/3
Client		Drawing number		Rev

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.
洛克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

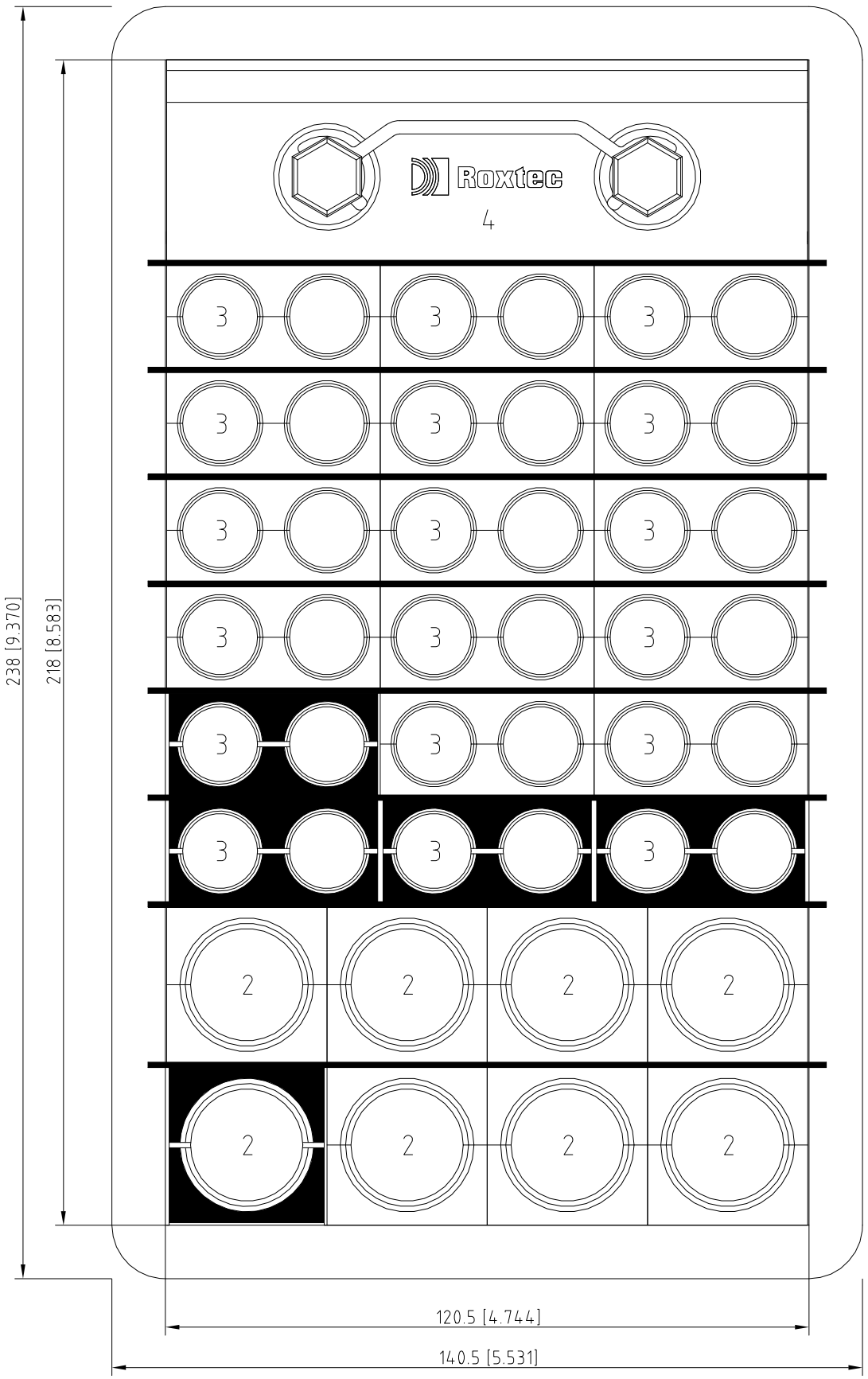
RTD Version No: 4.37.4.0

CUTOUT TO FIT SOLUTION WELDING, 140.5x238 [5.531"x9.370"]

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20095**

REV.:	DATE:	SIGNATURE:
1_A	08/08/24	G.Randi

ROSETTI MARINO SpA





Detail Drawing

Solution: 1

Item	Qty	Roxtec Packing Material mm ["]	Roxtec Art No	Weight Kg [lb]
5	8	Stayplate 120 galv	ASP0001200018	0.1 [0.24]
4	1	Wedge 120 galv	ARW0001201018	0.8 [1.76]
3	18	RM 20W40 3.5-16.5 [0.138"-0.650"]	RM00120401000	0.1 [0.15]
2	8	RM 30 10-25 [0.394"-0.984"]	RM00100301000	0.1 [0.18]
1	1	S 6x1 PRIMED	S006000000112	3.4 [7.50]

Responsible	Created Date	Modify Date	Project	TotWeight
ARNESH	2024-07-10	2024-07-10	BLPH - ROS Location/ Sublocation	7 [15.39]
Roxtec	Format NTS		Transit name E-MCT-401	Sheet No 2/3
	Client	Drawing number		Rev

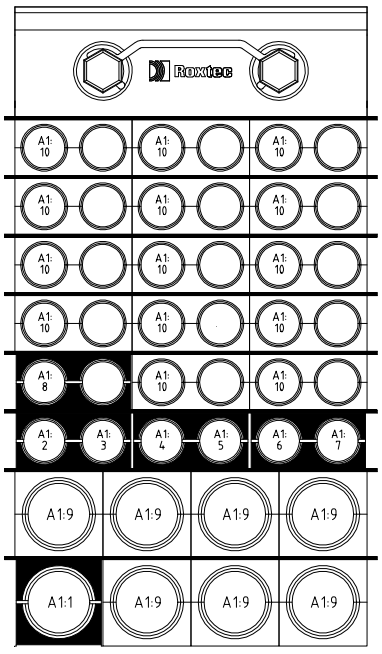
Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

格克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

A1

A1



Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

烙克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

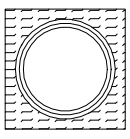
VALID FOR CONSTRUCTION

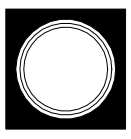
FDL DWG: **123A90-FDL-EL-DD-20095**

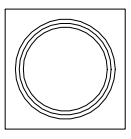
REV.:	DATE:	SIGNATURE:
1_A	08/08/24	G.Randi

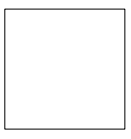
ROSETTI MARINO SpA

Pos	Cable ID	Name	Cable Type	Cable Category	OD (mm/ ["])	Module Type
A1:10						RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:9						RM 30 10-25 [0.394"-0.984"]
A1:8	85002-CEC	BESS	7C X 1.5	Control	13.5 [0.531"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:7	83109-CEL	Server cabiner ITER - Auxiliary	3G2.5	Power	13 [0.512"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:6	83108-CEL	System Server / Network Cabinet - Auxiliary	3G2.5	Power	13 [0.512"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:5	83107-CEL	FGS Fire & Gas Panel - Auxiliary	3G2.5	Power	13 [0.512"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:4	83106-CEL	EMCS -Controller and I/O Cabinet - Auxiliary	3G2.5	Power	13 [0.512"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:3	83105-CEL	PCS -Controller and I/O Cabinet - Auxiliary	3G2.5	Power	13 [0.512"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:2	83104-CEL	SIS -Controller and I/O Cabinet - Auxiliary	3G2.5	Power	13 [0.512"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:1	84317-CEL	UCP - HVAC ITER	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]


MODULE WITH PIPE


MODULE WITH CABLE


SPARE MODULE


SOLID MODULE

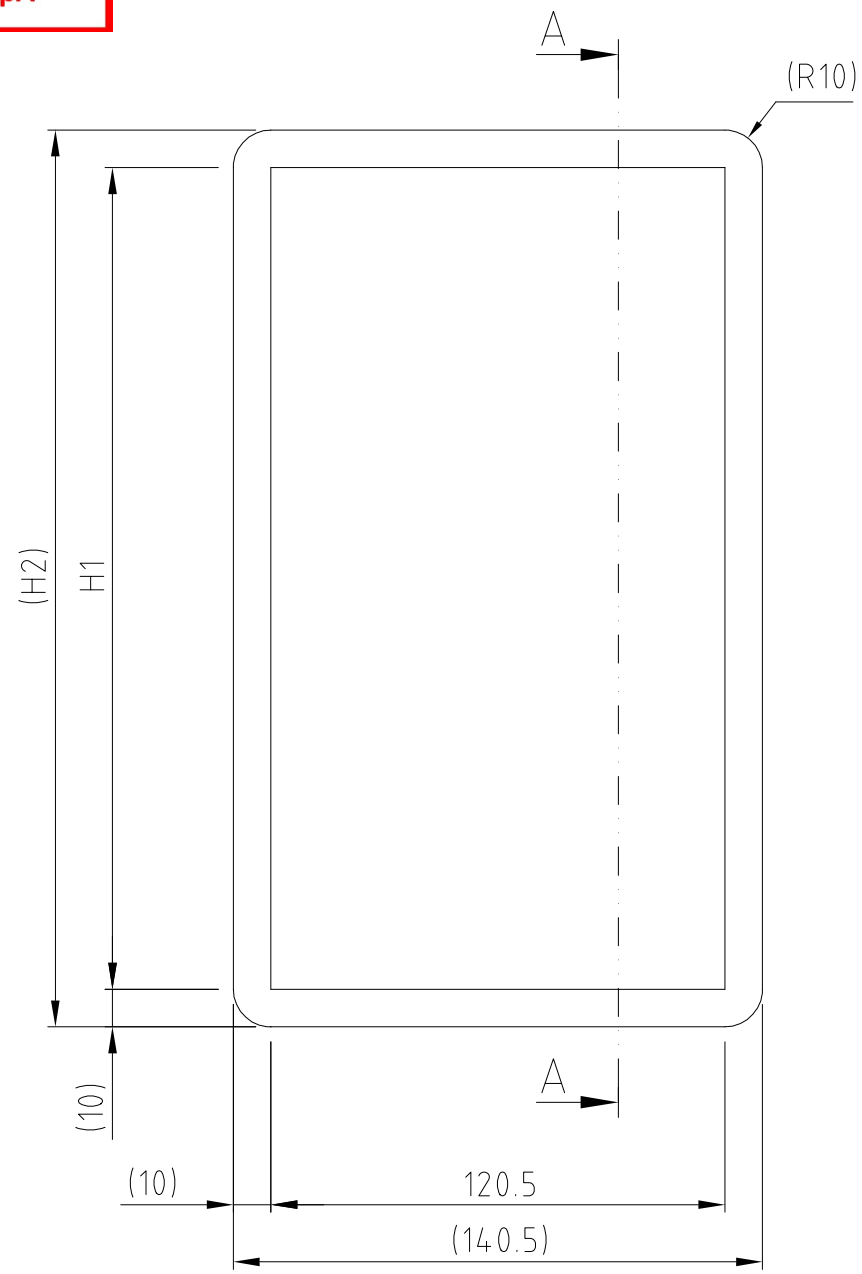
Responsible	Created Date	Modify Date	Project	TotWeight
ARNESH	2024-07-10	2024-07-10	BLPH - ROS Location/ Sublocation	7 [15.39]
Roxtec	Format NTS		Transit name E-MCT-401	Sheet No 3/3
	Client	Drawing number		Rev

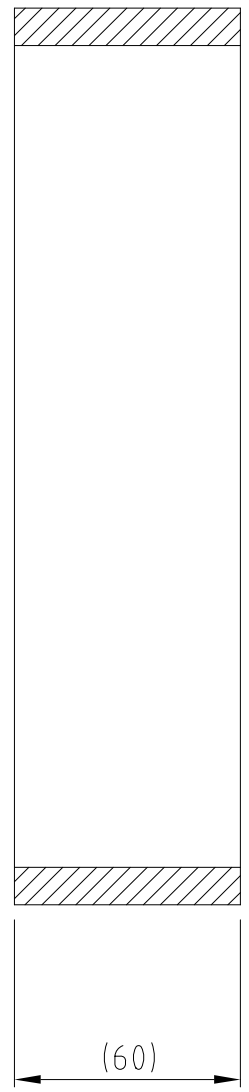
VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20095**

REV.:	DATE:	SIGNATURE:
1_A	08/08/24	G.Randi

ROSETTI MARINO SpA

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. ©ROXTEC INTERNATIONAL AB





A - A

TYPE	H1 (mm)	H2 (mm)
S 2x1	101	121
S 4x1	159.5	179.5
S 6x1	218	238
S 8x1	278	298

Rev	Type of revision	Date	Sign
A	NEW LAYOUT/TITLE BLOCK	2006-12-21	R PETERSSON

Item	Qty	Designation	Specification	NetWeight

ROXTEC INTERNATIONAL AB
BOX 540 S-371 23 Karlskrona
TEL: +46 455 366700 FAX: +46 455 82012

Roxtec

Designed by: J HELLKVIST	Date: 2003-11-03	General tolerance DIN ISO 2768-1/2-m/K DIN ISO 13920-BF	Welded details EN ISO 5817-B EN ISO 10042-B	General surface roughness, Ra 12,5	TotWeight: –
Checked by: S MILTON	Format: A3	Title: S FRAME SINGLE FRAME			Projection method
Approved by: S MILTON	Scale: 1:2				
Restricted due to: INFORMATION DRAWING	Drawing number: S1005518				Rev: A

	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT				Rev.
Row	Feature	Required	Manufacturer Proposal	Comments	
1	General				00
2	Manufacturer	ROXTEC			01
3	Order Status	for purchase			00
4	Service	Electrical Multi-Cable Transit			00
5	Confirmity Assesment System (CAS) level				00
6	Environmental Conditions				00
7	Hazardous Area Classification	Zone 1 Ex e IIC or IIB+H2, T1			01
8	Ambient Temperature (min/nom/max)	-8.4 °C/ 10.5°C / 25.0°C			00
9	Relative Humidity (%)	Maximum 95 %			00
10	Atmospheric pressure (nominal) - hourly @ +10m	1013.7 bar			00
11	Annual average wind speed (at 100m)	33.1 m/s			00
12	Extreme wind speed for 50-year recurrence period (at 100 m)	41.0 m/s.			00
13	Atmosphere	Marine Offshore-fixed			00
14	Altitude > 1000m	not more than 1000m			00

	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT				Rev.
Row	Feature	Required	Manufacturer Proposal	Comments	00
1	GENERAL DATA				00
2	Location	Outdoor			00
3	Depth	60 mm			00
4	Construction type	Primed Mild Steel - PRIMED			00
5	Type of Installation	by Welding			00
6	Fire Resistant Class	A0			00
7	Position	Shelter, Wall penetration, Floor penetration			00
8	Certification ATEX	Yes			00
9	MULTI CABLE TRANSIT SYSTEM - FRAMES				00
10	Description		Quantity	Notes	00
11	S 6x1 Ex PRIMED		14		00
12	Manufacturer: Roxtec				00
13	Art. No.: EXS006000000112				00
14	S 6x2 Ex PRIMED		1		00
15	Manufacturer: Roxtec				00
16	Art. No.: EXS006000000212				00
17	MULTI CABLE TRANSIT SYSTEM - MODULES				00
18	Module: RM 40 EX 21.5-34.5 [0.846"-1.358"]		57	48 Spares out of 57	01
19	Manufacturer: Roxtec				00
20	Art. No. EXRM00100401000				00
21	Module: RM 20W40 EX 3.5-16.5 [0.138"-0.650"]		21	19 Spares out of 21	01
22	Manufacturer: Roxtec				01
23	Art. No. EXRM00120401000				01
24	Module: RM 30 EX 10-25 [0.394"-0.984"]		176	153 Spares out of 176	01
25	Manufacturer: Roxtec				00
26	Art. No. EXRM00100301000				00
27	Module: RM 60 EX 28-54 [1.102"-2.126"]		22	17 Spares out of 22	01
28	Manufacturer: Roxtec				00
29	Art. No. EXRM00100601000				00
	NOTES				00

	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT			Rev.
33	MULTI CABLE TRANSIT - WEDGES			00
34	Description	Quantity	Notes	00
35	Wedge 120 Ex Galvanized	16		01
36	Manufacturer: Roxtec			00
37	Art. No. EXARW0001201018			00
38	MULTI CABLE TRANSIT - STAY PLATES			00
39	Stay Plate 120 Ex Galvanized	81		01
40	Manufacturer: Roxtec			00
41	Art. No. EXASP0001200018			00

Row	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT				Rev.
	Feature	Required	Manufacturer Proposal	Comments	00
1	GENERAL DATA				00
2	Location	Outdoor			00
3	Depth	60 mm			00
4	Construction type	Primed Mild Steel - PRIMED			00
5	Type of Installation	by Welding			00
6	Fire Resistant Class	A0			00
7	Position	Shelter, Wall penetration, Floor penetration			00
8	Certification ATEX	No			00
10	MULTI CABLE TRANSIT SYSTEM - FRAMES				00
11	Description		Quantity	Notes	00
12	S 6x1 PRIMED		5		00
13	Manufacturer: Roxtec				00
14	Art. No.: S006000000112				00
15	S 6x2 PRIMED		6		01
16	Manufacturer: Roxtec				00
17	Art. No.: S006000000212				00
18	S 6x2 AISI316		6		01
19	Manufacturer: Roxtec				01
20	Art. No.: S006000000221				01
21	S 6x3 PRIMED		1		01
22	Manufacturer: Roxtec				01
23	Art. No.: S006000000312				01
24	S 6x4 PRIMED		1		01
25	Manufacturer: Roxtec				00
26	Art. No.: S006000000412				01
27	MULTI CABLE TRANSIT SYSTEM - MODULES				00
28	Module: RM 20W40 3.5-16.5 [0.138''-0.650'']		417	323 Spares out of 417	01
29	Manufacturer: Roxtec				01
30	Art. No. RM00120401000				01
31	Module: RM 40 21.5-34.5 [0.846''-1.358'']		326	208 Spares out of 326	01
32	Manufacturer: Roxtec				00
33	Art. No. RM00100401000				00

	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT			Rev.
37	MULTI CABLE TRANSIT SYSTEM - MODULES			00
38	Description	Quantity	Notes	00
39	Module: RM 40/10-32 9.5-32.5 [0.374''-1.280'']	10	6 Spares out of 10	01
40	Manufacturer: Roxtec			01
41	Art. No. RM00140101000			01
42	Module: RM 60 28-54 [1.102''-2.126'']	60	30 Spares out of 60	01
43	Manufacturer: Roxtec			00
44	Art. No. RM00100601000			00
45	Module: RM 30 10-25 [0.394"-0.984"]	436	307 Spares out of 436	01
46	Manufacturer: Roxtec			00
47	Art. No. RM00100301000			00
48	Module: RM 80 48-71 [1.890"-2.795"]	9	No Spare	01
49	Manufacturer: Roxtec			01
50	Art. No. 5RM0000003350			01
51	Module: RM 10/0x12	9	Solid Module	01
52	Manufacturer: Roxtec			00
53	Art. No. RM00310121000			00

	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT			Rev.
54	MULTI CABLE TRANSIT - WEDGES			00
55	Description	Quantity	Notes	00
56	Wedge 120 Galvanized	59		01
57	Manufacturer: Roxtec			00
58	Art. No. ARW0001201018			00
				00
59	Wedge 120 AISI 316	12		01
60	Manufacturer: Roxtec			01
61	Art. No. ARW0001201021			01
62	MULTI CABLE TRANSIT - STAY PLATES			00
63	Stay Plate 120 Galvanized	346		01
64	Manufacturer: Roxtec			00
65	Art. No. ASP0001200018			00
				00
66	Stayplate 120 AISI 316	56		01
67	Manufacturer: Roxtec			01
68	Art. No. ASP0001200021			01

ITEM	Tag	E-MCT-402	: Multi Cable Transit		Dwg	123A90-DDL-EL-DL-20115	
	S/Sys	90-04	: I&T System Equipment Room B-400		Module	LD_B-400_Ext	
TASK	code	C10001875		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Electrical	Form CPX29	MCT Penetration Electrical

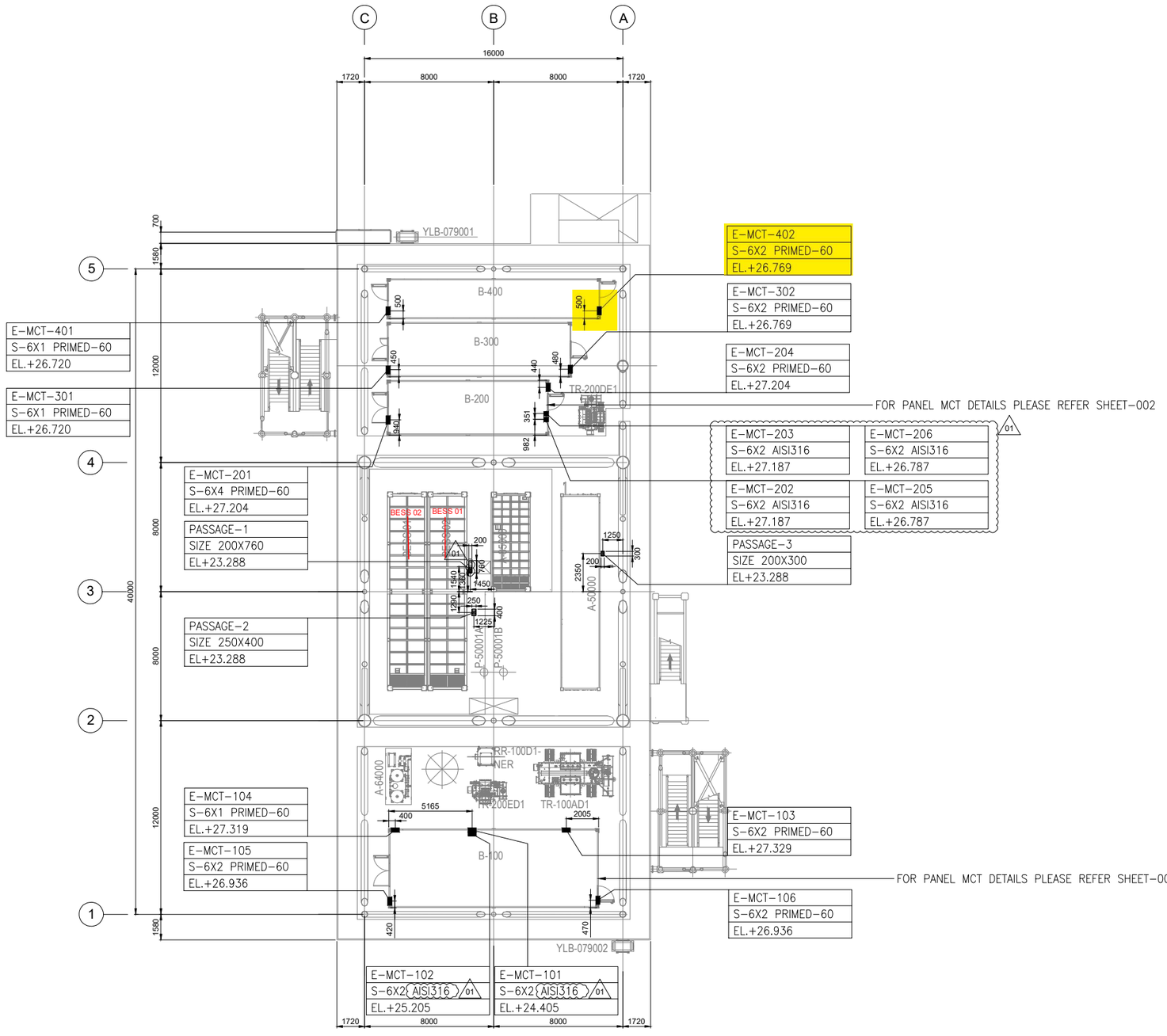
1	Check that MCT's conforms to revision and specification.	OK
2	Check MCT's is installed correctly in accordance with latest layout drawings without clashes with pipe runs or other equipment.	Note
3	Check MCT's is properly tagged, on both side of penetration	PL
4	Check the cable arrangement in MCT's is conform with the latest drawing.	OK
5	If required produce Red Line Mark Up for "AS BUILT"	

Comments: Note 2: Refer to PL n* C30002351

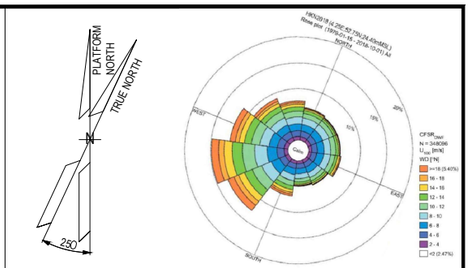
	Performed by	☉ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM(ROSETTI MARINO)	
Name	Michele Tartaglia	Paolo Schintu	
Date	2025-01-04	2025-01-07	
Signature	PROVERLIS Digitaly signed by Michele Tartaglia 2025-01-04T10:54:30.123Z	PROVERLIS Digitaly signed by Paolo Schintu 2025-01-07T10:29:40.878Z	

DRAWING NO. 123A90-DDL-EL-DL-20115

REV. 01



PLAN ON LOWER DECK
EL+23.310 T.O.S.



NOTES

GENERAL NOTES:

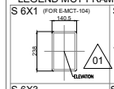
1. ALL DIMENSIONS IN mm U.N.O
2. ALL ELEVATIONS IN METERS.
3. ALL ELEVATIONS RELATE TO LOWEST ASTRONOMICAL TIDE (LAT) = 0.000.

NOTES:

1. THIS DOCUMENT IS VALID FOR TAGGING, SIZE AND LOCATION OF THE MCT.

LEGEND

LEGEND MCT FRAME



LEGEND PASSAGE FRAME



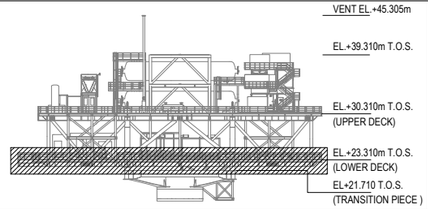
	HEIGHT in mm	WIDTH in mm
PASSAGE-1	100	300
PASSAGE-2	150	200
PASSAGE-3	100	200

MULTI CABLE TRANSIT

PASSAGE

TAG	TAGGING
SIZE-MATERIAL-DEPTH	TYPICAL
EL.	ELEVATION

KEY PLAN



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-20095	MCT COMPOSITION
123A90-DDL-EL-DL-20114	ELECTRICAL MCT LAYOUT-TOP DECK
123A90-DDL-EL-DL-20116	ELECTRICAL MCT LAYOUT- BELOW LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	23/07/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	12/04/24	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION

REV.:	DATE:	SIGNATURE:
1_B	12/12/24	C.Pilato

ROSETTI MARINO SpA

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL MCT 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 18/07/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20115	SHEET 001	REV. 01

File Name : 123A90-DDL-EL-DL-20115

INDEX

Sl.No.	TITLE	TYPE	Page No.
1	COVER SHEET		1
2	INDEX		3
	BELOW LOWER DECK MCT		5
3	E-MCT-T01	S 6X1 PRIMED	6
4	E-MCT-T02 **(NOTE-1)**	S 6X3 PRIMED	10
5	E-MCT-T03	S 6X1 PRIMED	14
	LOWER DECK MCT		18
6	E-MCT-101 **(NOTE-1)**	S 6X2 **AISI316**	19
7	E-MCT-102 **(NOTE-1)**	S 6X2 **AISI316**	23
8	E-MCT-103	S 6X2 PRIMED	27
9	E-MCT-104	S 6X1 PRIMED	31
10	E-MCT-105	S 6X2 PRIMED	35
11	E-MCT-106	S 6X2 PRIMED	39
12	E-MCT-201	S 6X4 PRIMED	43
13	E-MCT-202	S 6X2 **AISI316**	48
14	E-MCT-203	S 6X2 **AISI316**	52
15	E-MCT-204	S 6X2 PRIMED	56
16	E-MCT-205	S 6X2 **AISI316**	60
17	E-MCT-206	S 6X2 **AISI316**	64
18	E-MCT-301	S 6X1 PRIMED	68
19	E-MCT-302	S 6X2 PRIMED	72
20	E-MCT-401	S 6X1 PRIMED	76
21	E-MCT-402	S 6X2 PRIMED	80
	TOP DECK MCT		84
22	E-MCT-U02	S 6X2 **Ex** PRIMED	85
23	E-MCT-U03	S 6X1 **Ex** PRIMED	89
24	E-MCT-U04	S 6X1 **Ex** PRIMED	93
25	E-MCT-U05	S 6X1 **Ex** PRIMED	97
26	E-MCT-U06	S 6X1 **Ex** PRIMED	101
27	E-MCT-U07	S 6X1 **Ex** PRIMED	105
28	E-MCT-U08	S 6X1 **Ex** PRIMED	109
29	E-MCT-U09	S 6X1 **Ex** PRIMED	113
30	E-MCT-U10 (Spare)	S 6X1 **Ex** PRIMED	117
31	E-MCT-U11	S 6X1 **Ex** PRIMED	121
32	E-MCT-U12	S 6X1 **Ex** PRIMED	125
33	E-MCT-U13	S 6X1 **Ex** PRIMED	129
34	E-MCT-U14	S 6X1 **Ex** PRIMED	133
35	E-MCT-U15	S 6X1 **Ex** PRIMED	137

This document undergoes an issuance cycle within EDMS Fusionlive". Its distribution is electronically cont
considered as "NOT CONTROLLED" copy

File: 123A90-DDL-EL-DD-20095-MCT-composition.docx

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20095**

REV.:	DATE:	SIGNATURE:
1_A	08/08/24	G.Randi

ROSETTI MARINO SpA

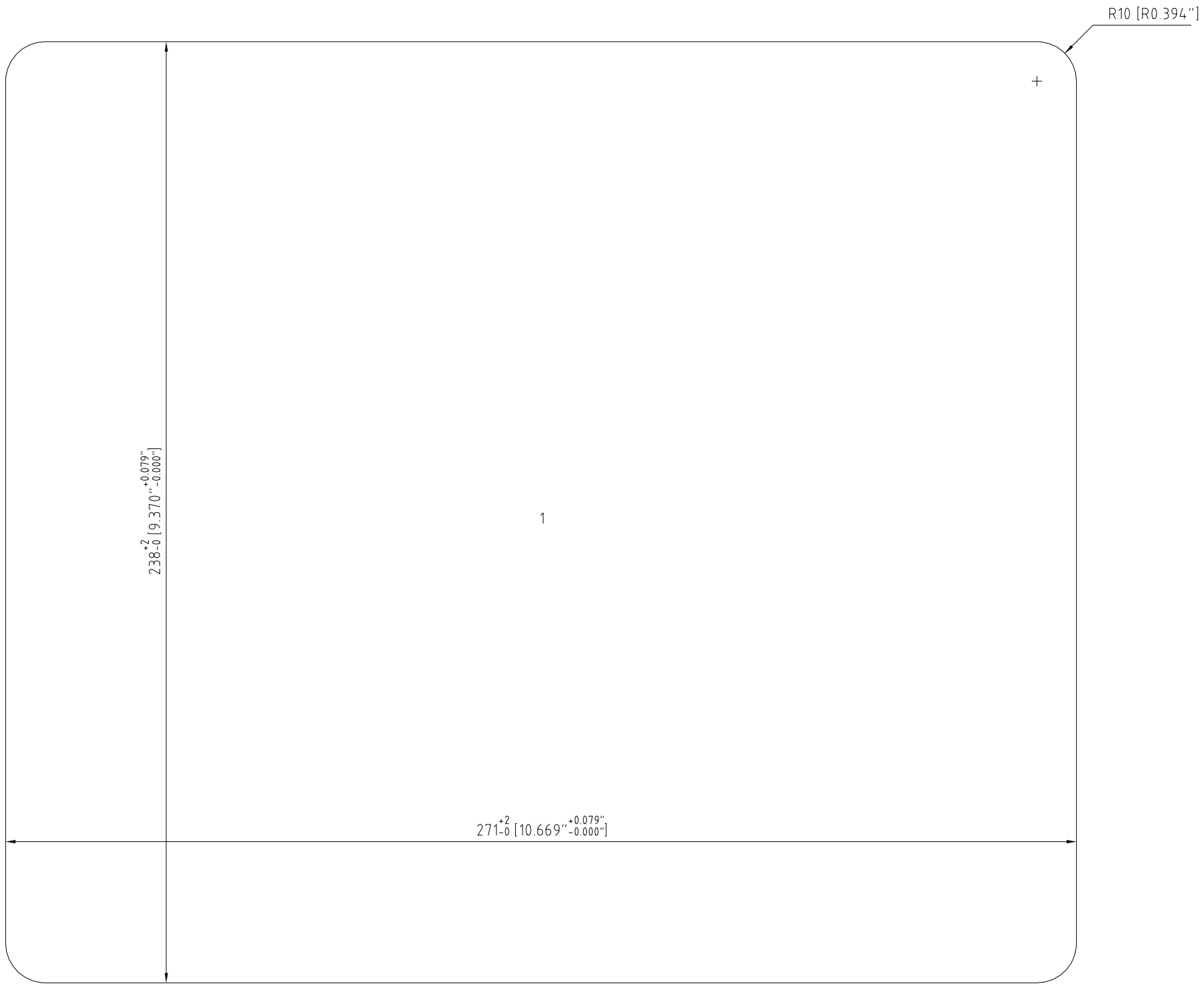
VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20095**

REV.:	DATE:	SIGNATURE:
1_A	08/08/24	G.Randi

ROSETTI MARINO SpA

Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.
洛克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。



Cutout Detail

Frame: S 6x2 PRIMED Solution: 1

Item	Qty	Roxtec Packing Material mm ["]	Roxtec Art No	Weight Kg [lb]

Responsible: ARNESH	Created Date: 2024-07-10	Modify Date: 2024-07-17	Project: BLPH - ROS Location/ Sublocation	TotWeight: 12.4 [27.23]
Roxtec	Format: NTS		Transit name: E-MCT-402	Sheet No: 1/3
	Client	Drawing number		Rev

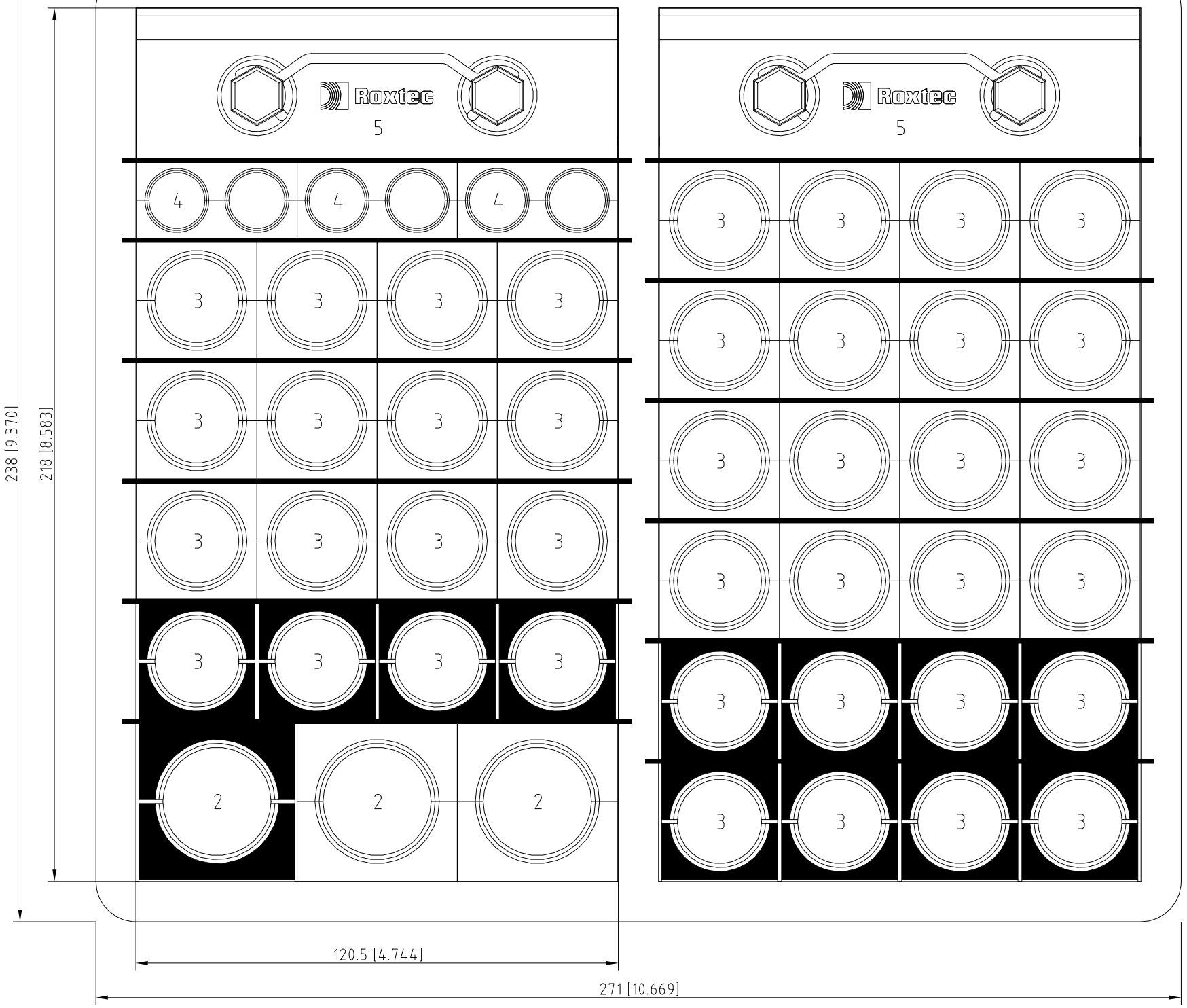
RTD Version No: 4.37.4.0

CUTOUT TO FIT SOLUTION WELDING, 271x238 [10.669"x9.370"]

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20095**

REV.:	DATE:	SIGNATURE:
1_A	08/08/24	G.Randi

ROSETTI MARINO SpA



MODULE WITH PIPE | MODULE WITH CABLE | SPARE MODULE | SOLID MODULE

Detail Drawing

Solution: 1

Item	Qty	Roxtec Packing Material mm ["]	Roxtec Art No	Weight Kg [lb]
6	12	Stayplate 120 galv	ASP0001200018	0.1 [0.24]
5	2	Wedge 120 galv	ARW0001201018	0.8 [1.76]
4	3	RM 20W40 3.5-16.5 [0.138"-0.650"]	RM00120401000	0.1 [0.15]
3	40	RM 30 10-25 [0.394"-0.984"]	RM00100301000	0.1 [0.18]
2	3	RM 40 21.5-34.5 [0.846"-1.358"]	RM00100401000	0.1 [0.31]
1	1	S 6x2 PRIMED	S006000000212	5.6 [12.35]

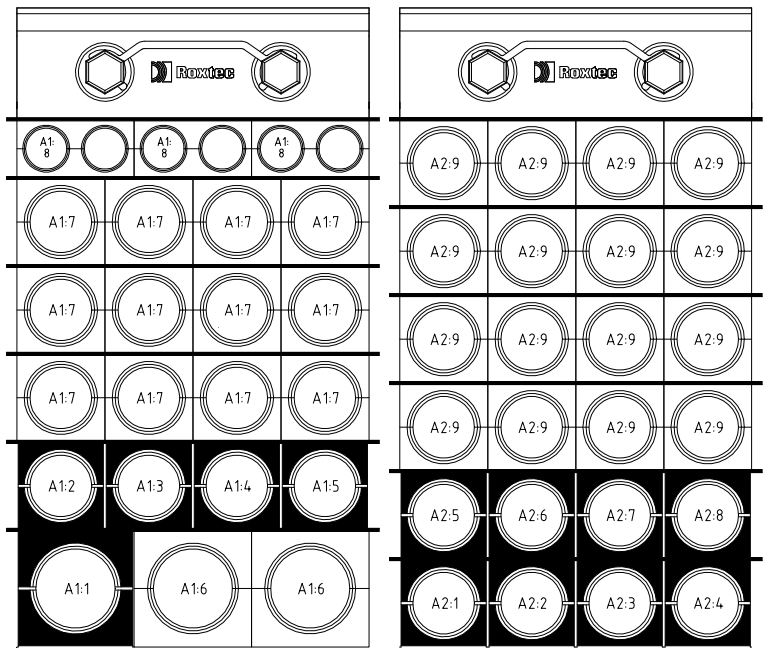
Responsible	Created Date	Modify Date	Project	TotWeight
ARNESH	2024-07-10	2024-07-17	BLPH - ROS Location/ Sublocation	12.4 [27.23]
Roxtec	Format: NTS		Transit name: E-MCT-402	Sheet No: 2/3
	Client		Drawing number	Rev

Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.
烙克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

A1 A2

A1 A2



Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

洛克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

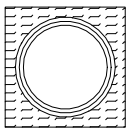
VALID FOR CONSTRUCTION

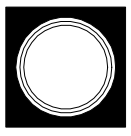
FDL DWG: **123A90-FDL-EL-DD-20095**

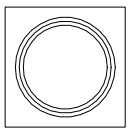
REV.:	DATE:	SIGNATURE:
1_A	08/08/24	G.Randi

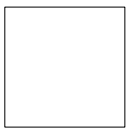
ROSETTI MARINO SpA

Pos	Cable ID	Name	Cable Type	Cable Category	OD (mm/ ["])	Module Type
A2:9						RM 30 10-25 [0.394"-0.984"]
A2:8	84308-CEL	Server Cabinet ITER - Line B	3G6	Power	18.3 [0.720"]	RM 30 10-25 [0.394"-0.984"]
A2:7	84307-CEL	Server Cabinet ITER - Line A	3G6	Power	18.3 [0.720"]	RM 30 10-25 [0.394"-0.984"]
A2:6	84306-CEL	EMCS -Controller and I/O Cabinet - Line B	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A2:5	84305-CEL	EMCS -Controller and I/O Cabinet - Line A	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A2:4	84304-CEL	PCS -Controller and I/O Cabinet - Line B	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A2:3	84303-CEL	PCS -Controller and I/O Cabinet - Line A	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A2:2	84302-CEL	SIS -Controller and I/O Cabinet - Line B	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A2:1	84301-CEL	SIS -Controller and I/O Cabinet - Line A	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A1:8						RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:7						RM 30 10-25 [0.394"-0.984"]
A1:6						RM 40 21.5-34.5 [0.846"-1.358"]
A1:5	84404-CEL	System Server / Network Cabinet - Line B	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A1:4	84403-CEL	System Server / Network Cabinet - Line A	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A1:3	84402-CEL	FGS Fire & Gas Panel - Line B	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A1:2	84401-CEL	FGS Fire & Gas Panel - Line A	3G2.5	Power	15.5 [0.610"]	RM 30 10-25 [0.394"-0.984"]
A1:1	83026-CEL	HVAC panels - ITER	5G16	Power	24 [0.945"]	RM 40 21.5-34.5 [0.846"-1.358"]


MODULE WITH PIPE


MODULE WITH CABLE


SPARE MODULE


SOLID MODULE

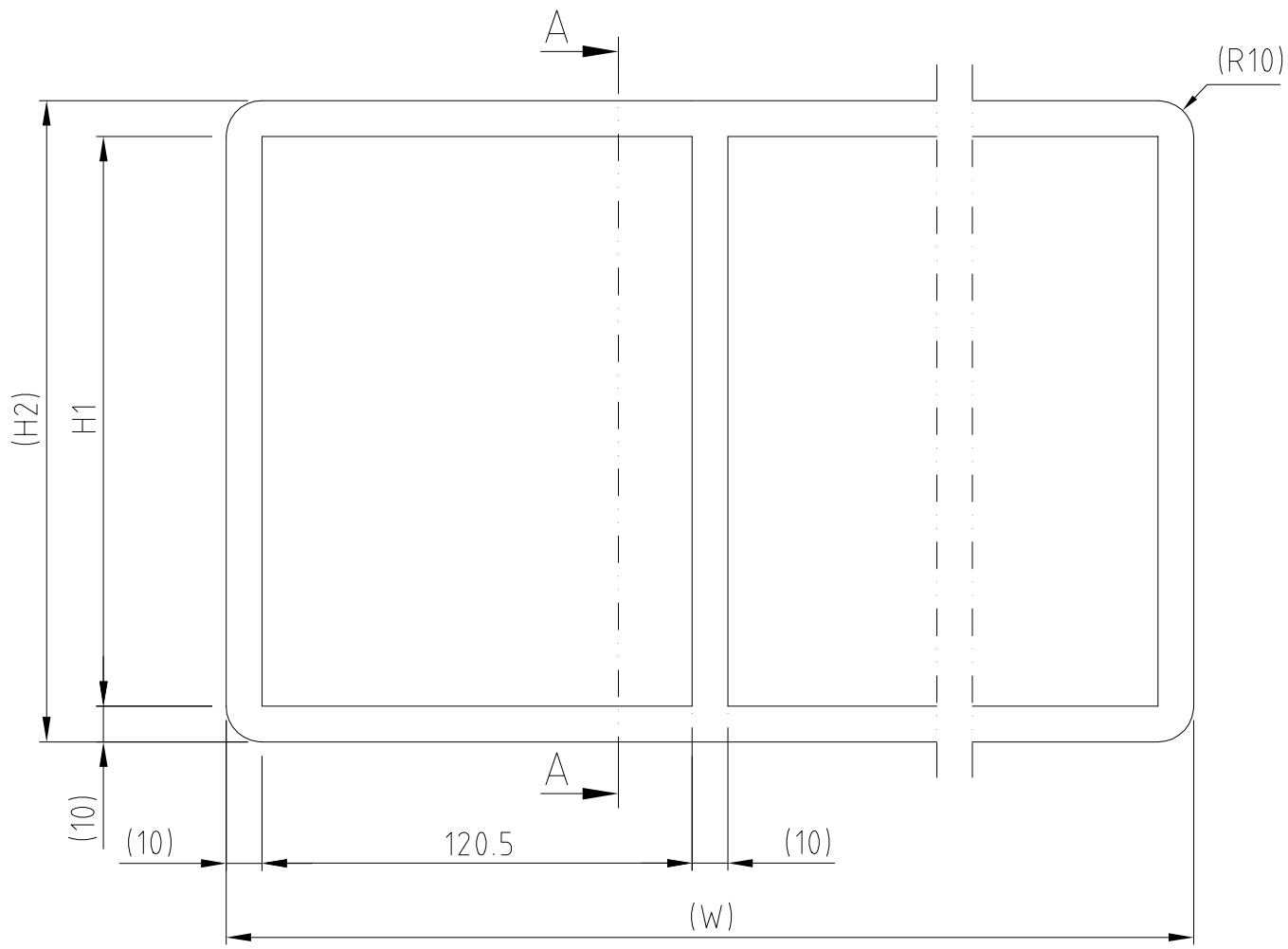
Responsible	Created Date	Modify Date	Project	TotWeight
ARNESH	2024-07-10	2024-07-17	BLPH - ROS Location/ Sublocation	12.4 [27.23]
Roxtec	Format NTS		Transit name E-MCT-402	Sheet No 3/3
	Client	Drawing number		Rev

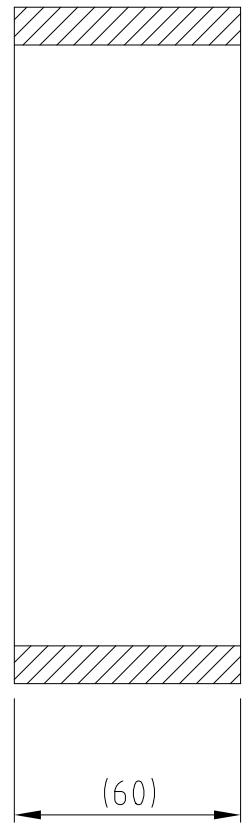
VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20095**

REV.:	DATE:	SIGNATURE:
1_A	08/08/24	G.Randi

ROSETTI MARINO SpA

We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. ©ROXTEC INTERNATIONAL AB





A - A

TYPE	H1 (mm)	H2 (mm)
S 2xN	101	121
S 4xN	159.5	179.5
S 6xN	218	238
S 8xN	278	298

COMB.	W (mm)
x2	271
x3	401.5
x4	532
x5	662.5
x6	793
x7	923.5
x8	1054
x9	1184.5
x10	1315

Rev	Type of revision	Date	Sign
B	NEW LAYOUT/TITLE BLOCK/MORE COMB. ADDED	2006-12-21	AN KARLSSON

Item	Qty	Designation	Specification	NetWeight

ROXTEC INTERNATIONAL AB
BOX 540 S-371 23 Karlskrona
TEL: +46 455 366700 FAX: +46 455 82012

Designed by: J HELLKVIST	Date: 2003-11-03	General tolerance: DIN ISO 2768-1/2-m/K, DIN ISO 13920-BF	Welded details: EN ISO 5817-B, EN ISO 10042-B	General surface roughness, Ra 12,5	TotWeight: –
Checked by: S MILTON	Format: A3	Title: S FRAME COMBINATION FRAME			Projection method
Approved by: S MILTON	Scale: 1:2				
Restricted due to: INFORMATION DRAWING	Drawing number: S1005519				Rev: B

Row	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT Feature	Required	Manufacturer Proposal	Comments	Rev.
1	General				00
2	Manufacturer	ROXTEC			01
3	Order Status	for purchase			00
4	Service	Electrical Multi-Cable Transit			00
5	Confirmity Assesment System (CAS) level				00
6	Environmental Conditions				00
7	Hazardous Area Classification	Zone 1 Ex e IIC or IIB+H2, T1			01
8	Ambient Temperature (min/nom/max)	-8.4 °C/ 10.5°C / 25.0°C			00
9	Relative Humidity (%)	Maximum 95 %			00
10	Atmospheric pressure (nominal) - hourly @ +10m	1013.7 bar			00
11	Annual average wind speed (at 100m)	33.1 m/s			00
12	Extreme wind speed for 50-year recurrence period (at 100 m)	41.0 m/s.			00
13	Atmosphere	Marine Offshore-fixed			00
14	Altitude > 1000m	not more than 1000m			00

Row	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT				Rev.
	Feature	Required	Manufacturer Proposal	Comments	00
1	GENERAL DATA				00
2	Location	Outdoor			00
3	Depth	60 mm			00
4	Construction type	Primed Mild Steel - PRIMED			00
5	Type of Installation	by Welding			00
6	Fire Resistant Class	A0			00
7	Position	Shelter, Wall penetration, Floor penetration			00
8	Certification ATEX	Yes			00
9	MULTI CABLE TRANSIT SYSTEM - FRAMES				00
10	Description		Quantity	Notes	00
11	S 6x1 Ex PRIMED		14		00
12	Manufacturer: Roxtec				00
13	Art. No.: EXS006000000112				00
14	S 6x2 Ex PRIMED		1		00
15	Manufacturer: Roxtec				00
16	Art. No.: EXS006000000212				00
17	MULTI CABLE TRANSIT SYSTEM - MODULES				00
18	Module: RM 40 EX 21.5-34.5 [0.846"-1.358"]		57	48 Spares out of 57	01
19	Manufacturer: Roxtec				00
20	Art. No. EXRM00100401000				00
21	Module: RM 20W40 EX 3.5-16.5 [0.138"-0.650"]		21	19 Spares out of 21	01
22	Manufacturer: Roxtec				01
23	Art. No. EXRM00120401000				01
24	Module: RM 30 EX 10-25 [0.394"-0.984"]		176	153 Spares out of 176	01
25	Manufacturer: Roxtec				00
26	Art. No. EXRM00100301000				00
27	Module: RM 60 EX 28-54 [1.102"-2.126"]		22	17 Spares out of 22	01
28	Manufacturer: Roxtec				00
29	Art. No. EXRM00100601000				00
	NOTES				00

	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT			Rev.
33	MULTI CABLE TRANSIT - WEDGES			00
34	Description	Quantity	Notes	00
35	Wedge 120 Ex Galvanized	16		01
36	Manufacturer: Roxtec			00
37	Art. No. EXARW0001201018			00
38	MULTI CABLE TRANSIT - STAY PLATES			00
39	Stay Plate 120 Ex Galvanized	81		01
40	Manufacturer: Roxtec			00
41	Art. No. EXASP0001200018			00

Row	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT				Rev.
	Feature	Required	Manufacturer Proposal	Comments	00
1	GENERAL DATA				00
2	Location	Outdoor			00
3	Depth	60 mm			00
4	Construction type	Primed Mild Steel - PRIMED			00
5	Type of Installation	by Welding			00
6	Fire Resistant Class	A0			00
7	Position	Shelter, Wall penetration, Floor penetration			00
8	Certification ATEX	No			00
10	MULTI CABLE TRANSIT SYSTEM - FRAMES				00
11	Description		Quantity	Notes	00
12	S 6x1 PRIMED		5		00
13	Manufacturer: Roxtec				00
14	Art. No.: S006000000112				00
15	S 6x2 PRIMED		6		01
16	Manufacturer: Roxtec				00
17	Art. No.: S006000000212				00
18	S 6x2 AISI316		6		01
19	Manufacturer: Roxtec				01
20	Art. No.: S006000000221				01
21	S 6x3 PRIMED		1		01
22	Manufacturer: Roxtec				01
23	Art. No.: S006000000312				01
24	S 6x4 PRIMED		1		01
25	Manufacturer: Roxtec				00
26	Art. No.: S006000000412				01
27	MULTI CABLE TRANSIT SYSTEM - MODULES				00
28	Module: RM 20W40 3.5-16.5 [0.138''-0.650'']		417	323 Spares out of 417	01
29	Manufacturer: Roxtec				01
30	Art. No. RM00120401000				01
31	Module: RM 40 21.5-34.5 [0.846''-1.358'']		326	208 Spares out of 326	01
32	Manufacturer: Roxtec				00
33	Art. No. RM00100401000				00

	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT			Rev.
37	MULTI CABLE TRANSIT SYSTEM - MODULES			00
38	Description	Quantity	Notes	00
39	Module: RM 40/10-32 9.5-32.5 [0.374''-1.280'']	10	6 Spares out of 10	01
40	Manufacturer: Roxtec			01
41	Art. No. RM00140101000			01
42	Module: RM 60 28-54 [1.102''-2.126'']	60	30 Spares out of 60	01
43	Manufacturer: Roxtec			00
44	Art. No. RM00100601000			00
45	Module: RM 30 10-25 [0.394"-0.984"]	436	307 Spares out of 436	01
46	Manufacturer: Roxtec			00
47	Art. No. RM00100301000			00
48	Module: RM 80 48-71 [1.890"-2.795"]	9	No Spare	01
49	Manufacturer: Roxtec			01
50	Art. No. 5RM0000003350			01
51	Module: RM 10/0x12	9	Solid Module	01
52	Manufacturer: Roxtec			00
53	Art. No. RM00310121000			00

	DATA SHEET ELECTRICAL MULTI-CABLE TRANSIT			Rev.
54	MULTI CABLE TRANSIT - WEDGES			00
55	Description	Quantity	Notes	00
56	Wedge 120 Galvanized	59		01
57	Manufacturer: Roxtec			00
58	Art. No. ARW0001201018			00
				00
59	Wedge 120 AISI 316	12		01
60	Manufacturer: Roxtec			01
61	Art. No. ARW0001201021			01
62	MULTI CABLE TRANSIT - STAY PLATES			00
63	Stay Plate 120 Galvanized	346		01
64	Manufacturer: Roxtec			00
65	Art. No. ASP0001200018			00
				00
66	Stayplate 120 AISI 316	56		01
67	Manufacturer: Roxtec			01
68	Art. No. ASP0001200021			01

ITEM	Tag	CABLE_TRAY_B400_ELE_LV	: Cable Tray B400 - Electrical (Low Voltage)			Dwg	
	S/Sys	90-04	: I&T System Equipment Room B-400			Module	LD_B-400
TASK	code	C10002292		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Electrical	Form	CPX30A

Cable Tray/Ladder Before pulling

BEFORE PULLING

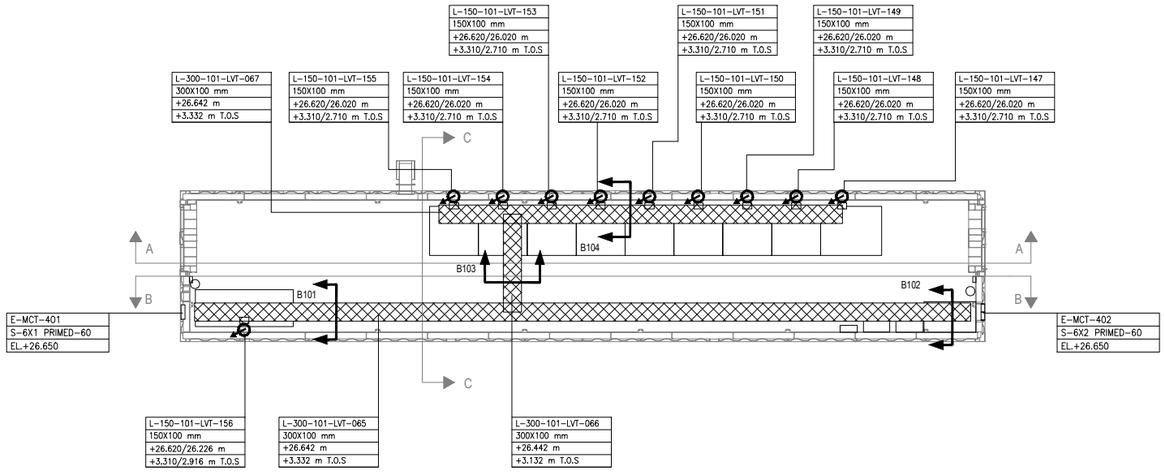
1	Check cable tray / ladder is undamaged and installed against drawings without clashes with pipe runs or other equipment.	PL
2	Check cable tray / ladder is adequately supported against drawings (no excessive deflection).	OK
3	Check cable tray / ladder segregation between racks	OK
4	Check Material for Bolt and splices	OK
5	Check insulation pads are adapted to stainless steel or aluminium cable tray /ladder.	OK
6	Check cable tray / ladder cleanness.	OK
7	Check cable tray / ladder earthed and bonded against drawings.	PL
8	Check Continuity and Resistance test on tray (spot check)	OK
9	Check proper mitigations against sharp edges that could damage the cables	PL
10	Check Transitions to ensure proper cables bending radius	OK
11	Check Proper protection of racks and trays until cable pulling	OK
12	Check Labelling with system and segment number	NA
13	If required produce Red Line Mark Up for "AS BUILT"	

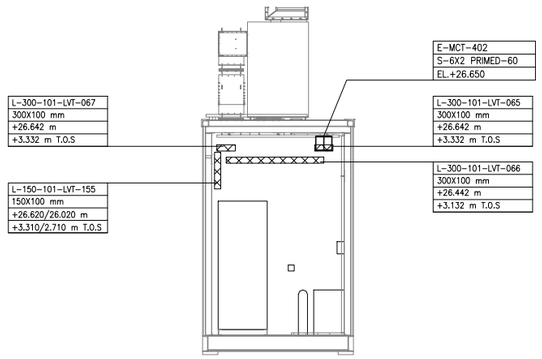
Comments:

	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM (ROSETTI MARINO)	
Name	Carmelo Bongiovanni	Giovanni Tangianu	
Date	2024-10-02	2024-10-03	
Signature	Digitaly signed by Carmelo Bongiovanni 2024-10-02T14:51:37.924Z	Digitaly signed by Giovanni Tangianu 2024-10-03T07:11:03.194Z	

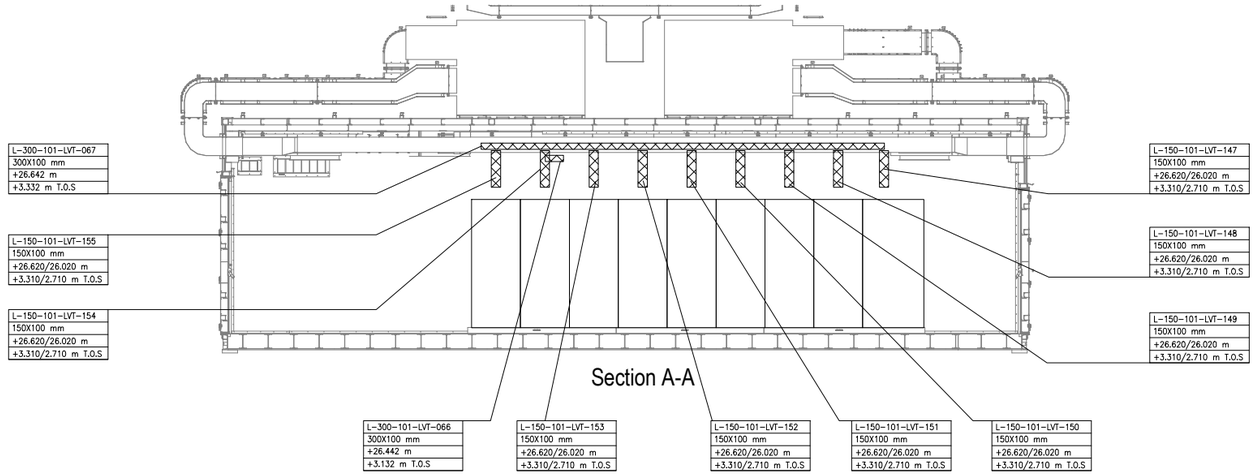
DRAWING NO. 123A90-DDL-EL-DL-20110

REV. 00

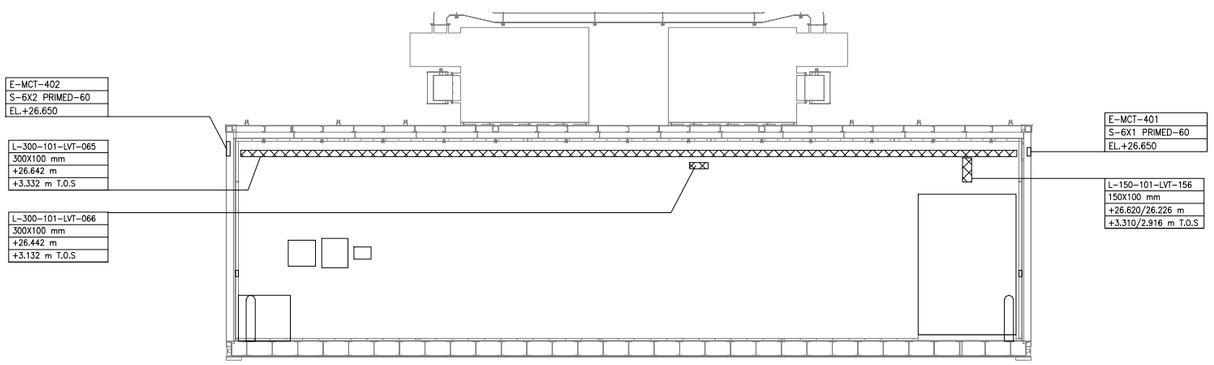




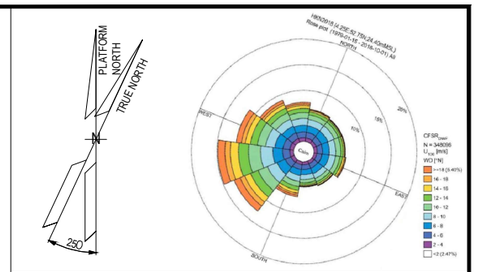
Section C-C



Section A-A



Section B-B



NOTES

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

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

3.DRAWING SPLIT INTO MULTIPLE SHEETS FOR CLARITY.

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

5.FOR LIGHTING AND SOCKET EQUIPMENTS SEE DRAWING 1724000049-AR-DA-00017 AND 1724000049-EL-LIS-00046

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

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

8.A MINIMUM OF 20% CAPACITY IN EACH CABLE LADDER SHALL BE PROVIDED FOR FUTURE EXTENSION.

9.CABLEROUTE ELEVATION ARE REFER TO BOTTOM ON HORIZONTAL CABLETRAYS AND TO THE MIDDLE ON SIDE INSTALLATION CABLE TRAYS.

LEGEND

ELECTRICAL LV CABLE LADDER

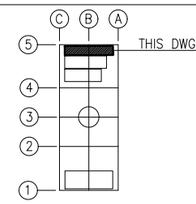
ELECTRICAL CABLE LADDER (VERTICAL DROP)

B100
CABLE SECTION

MCT TAG
TAG
MCT FRAME
ELEVATION

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

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-IN-DL-40012	OFF-SHORE ITER EQUIPMENT LAYOUT
1724000049-AR-DA-00017	B-400 GENERAL ARRANGEMENT DRAWING
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00046	B-400 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	19/08/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DL-20110**

REV.:	DATE:	SIGNATURE:
0_A	27/08/24	G.Randi

ROSETTI MARINO SpA

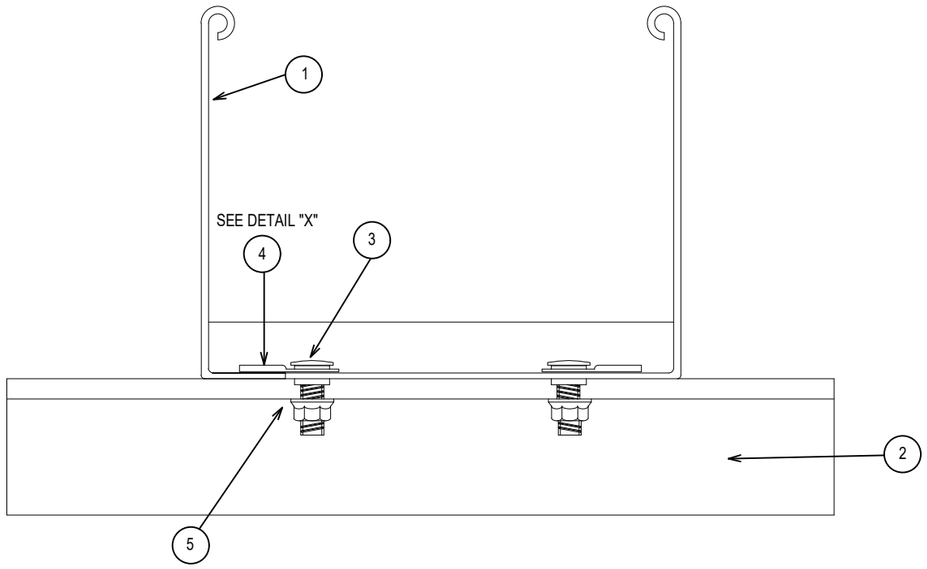
TITLE :
BASE LOAD POWER HUB (BLPH)
ELECTRICAL CABLE ROUTING LAYOUT
ITER SWITCHROOM

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN SAM	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 19/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20110	SHEET 1of3	REV. 00

File Name : 123A90-DDL-EL-DL-20110

CABLE LADDER FIXING ON FRP RACK

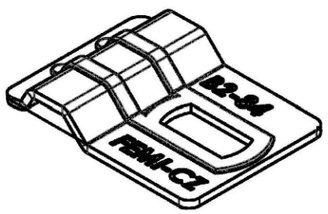
POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	PROFILE SUPPORT	FRP			
3	ROUND HEAD SQUARE NECK SCREW	AISI 316L	M8x20	2	
4	HOLD DOWN CLAMP	AISI 316L		2	
5	FLANGED NUT	AISI 316L	M8	2	



TYPICAL

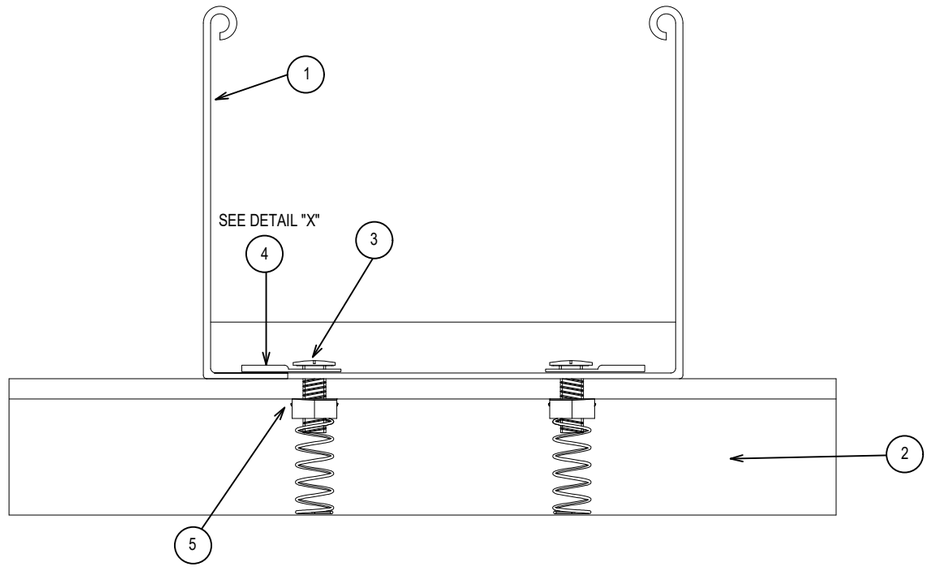
LF

DETAIL "X"



CABLE LADDER FIXING ON UNISTRUT

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M8x20	2	
4	HOLD DOWN CLAMP	AISI 316L		2	
5	NUT FOR CHANNEL WITH SPRING	AISI 316L	M8x40	2	



TYPICAL

LU

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093
REV.: 2_D | DATE: 06/09/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE LADDER FIXING

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

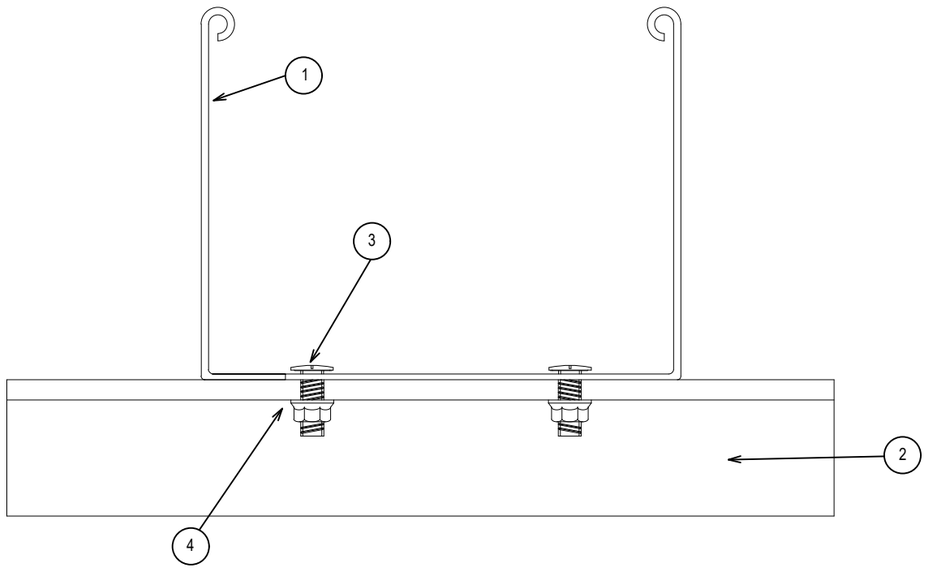
A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 004 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

CABLE TRAY PERFORATED FIXING ON FRP RACK

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE TRAY PERFORATED	AISI 316L			
2	PROFILE SUPPORT	FRP			
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M6x20	2	
4	FLANGED NUT	AISI 316L	M6	2	

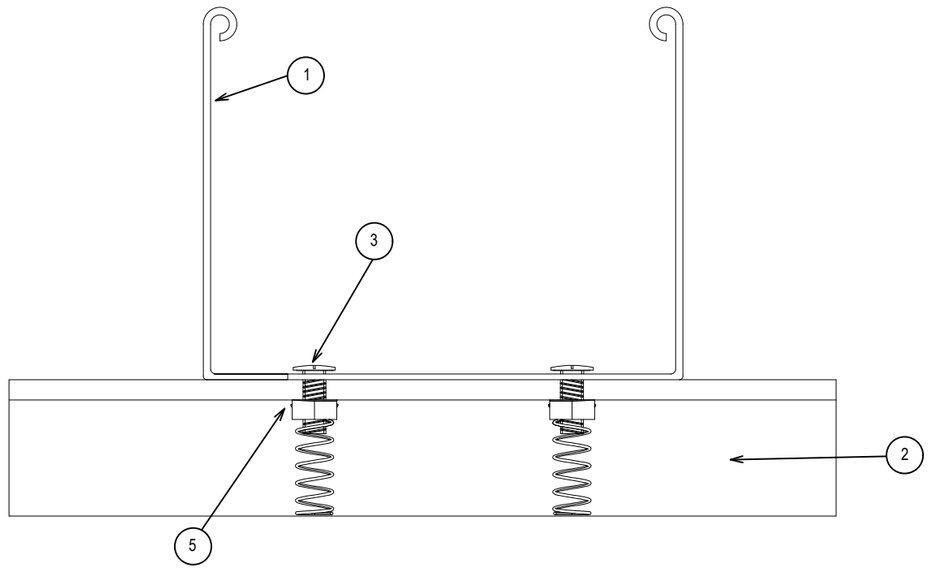


TYPICAL

TF

CABLE TRAY PERFORATED FIXING ON UNISTRUT

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE TRAY PERFORATED	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M6x20	2	
5	NUT FOR CHANNEL WITH SPRING	AISI 316L	M6x40	2	



TYPICAL

TU

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093
REV.: 2_D | DATE: 06/09/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE TRAY PERFORATED FIXING

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

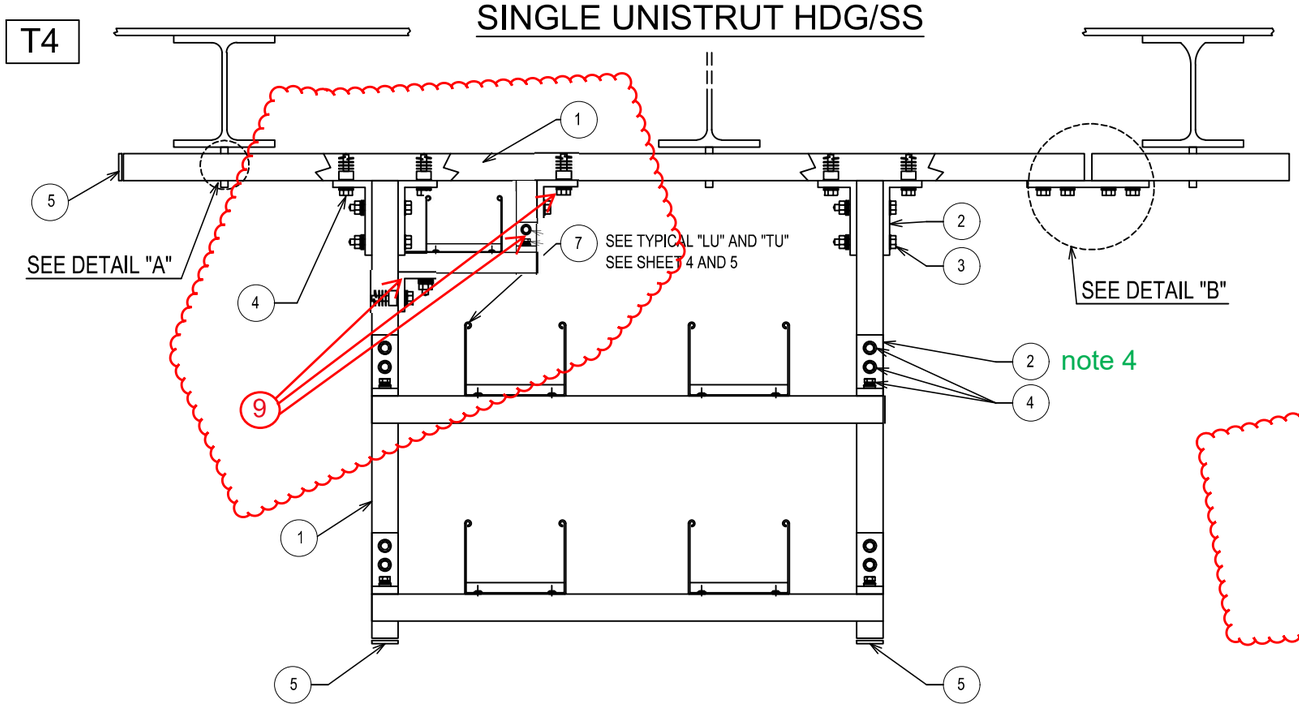
A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 005 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

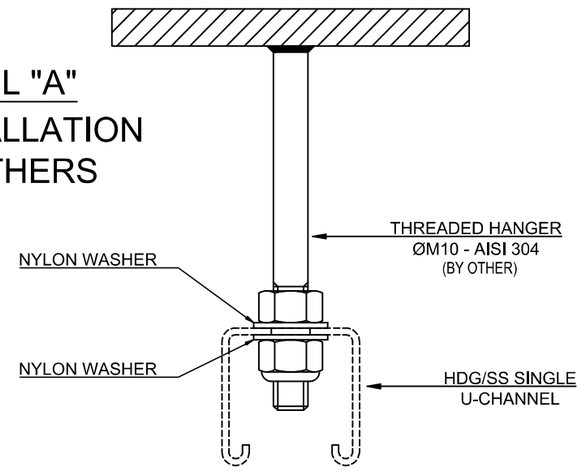
T4

SINGLE UNISTRUT HDG/SS

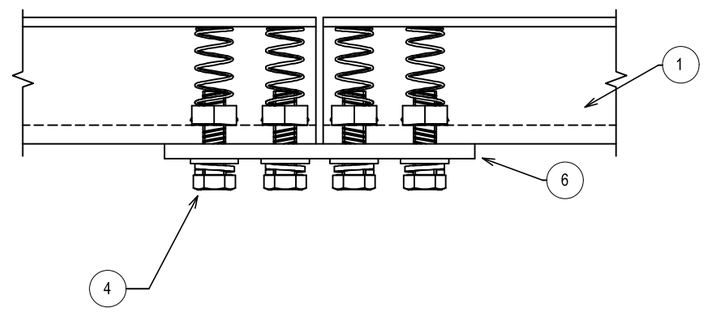


POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		NOTE 1
2	PLATE FOR ORTHOGONAL TRASVERSAL CONNECTION WITH 3 HOLES	AISI 316L		8	
3	HEXAGONAL BOLT COMPLETE WITH PLANE WASHERS, GROWER AND NUT	AISI 316L	M10x70	4	
4	HEXAGONAL BOLT COMPLETE WITH LARGE PLANE WASHER, GROWER AND NUT FOR U-CHANNEL WITH SPRING	AISI 316L	~~M10~~ M12	16	
5	PLUG FOR U-CHANNEL	LPDE		AS R	
6	CONNECTION PLATE (4 HOLES)	AISI 316L		AS R	
7	CABLE LADDER OR PERFORATED TRAY	AISI 316L			
8	DOUBLE SLOT CROWNED HEAD SCREW C/W PLANE WASHER, GROWER AND NUT FOR U-CHANNEL WITH SPRING	AISI 316L	M6x20	AS R	
9	PLATE FOR ORTHOGONAL TRASVERSAL CONNECTION WITH 2 HOLES	AISI 316L		3	

DETAIL "A"
INSTALLATION
BY OTHERS



DETAIL "B"



4) ALTERNATIVELY, USE PLATE FOR CONNECTION WITH 2 HOLES

NOTES:
1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.
2) FOR DISTANCE BETWEEN CABLE LADDERS/TRAYS, SEE SEGREGATION DISTANCES DETAIL ON SHEET 003.
3) THIS TYPICAL SHALL BE USED ONLY FOR INDOOR INSTALLATION.

TYPICAL VALID INSIDE TECHNICAL ROOMS

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093
REV.: 2_D | DATE: 06/09/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

02

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE WAY FIXING TO WELDED THREADED HANGER WITH U-CHANNEL

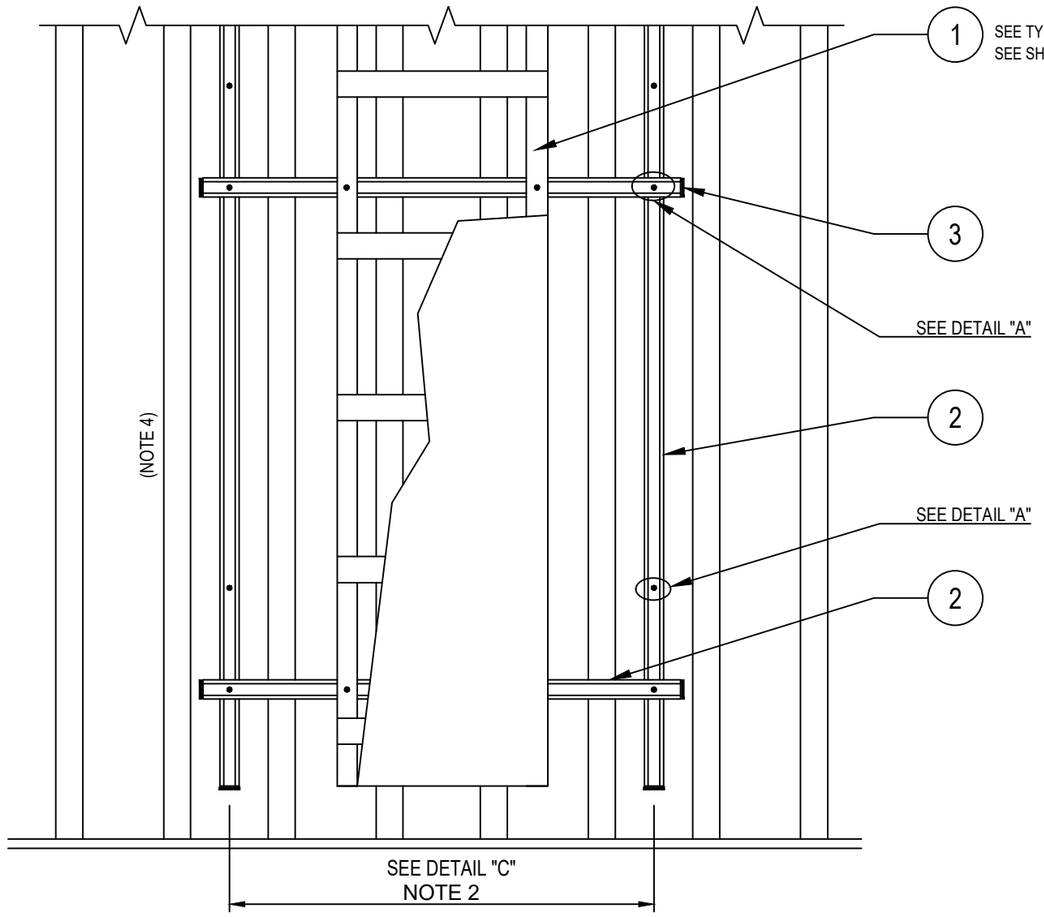
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-EL-DD-20093	009	02

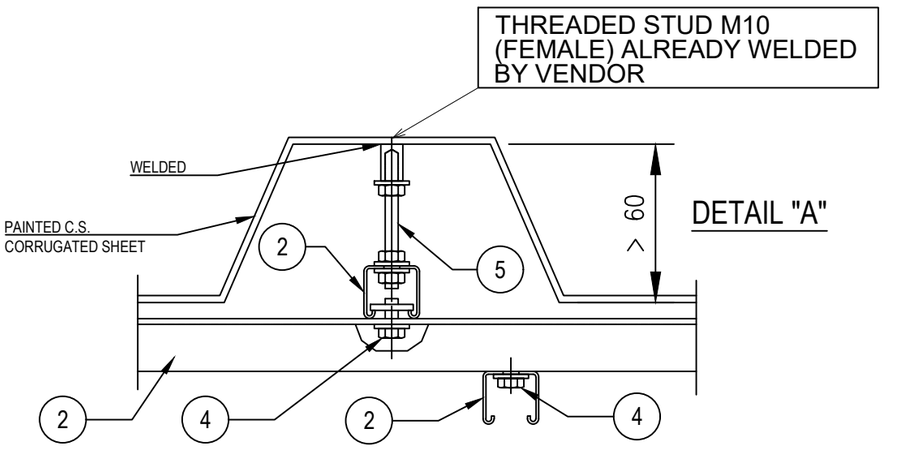
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

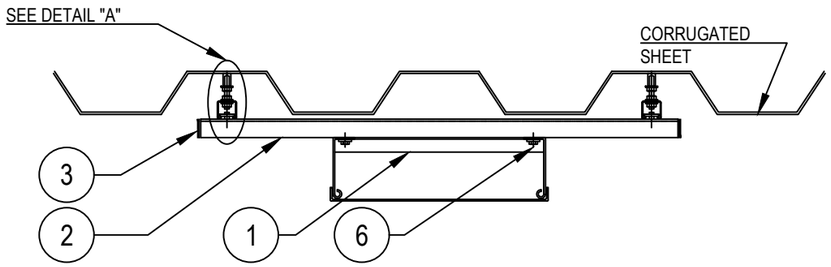
T7



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER OR PERFORATED TRAY	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED	AISI 316L	41x41x2		NOTE 1
3	PLUG FOR U-CHANNEL	LPDE			
4	HEXAGONAL BOLT COMPLETE WITH LARGE PLANE WASHER, NUT FOR U-CHANNEL WITH SPRING	AISI 316L	M10x30		
5	THREADED ROD M10 (L=110mm) COMPLETE WITH PLANE WASHER, LARGE PLANE WASHERS, SPRING WASHER AND NUTS	AISI 316L	M10x110		



DETAIL "C"



NOTES:
1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.
2) THE DISTANCE BETWEEN SUPPORTS SHALL BE DEFINED ACCORDING TO THE SIZE OF THE CABLE LADDER AND TYPE OF CORRUGATED SHEET

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093
REV.: 2_D | DATE: 06/09/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE WAY WITH NELSON STARTER ON SHELTER

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

A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 014 | REV. 02

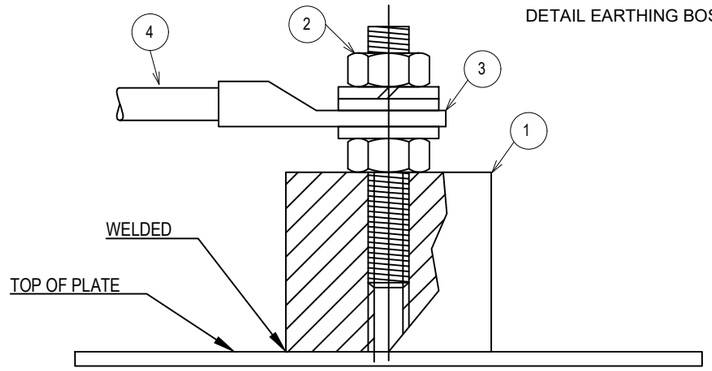
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	EARTHING BOSS WITH THREADED HOLE M10	AISI 316L	50X50 50X150	1	NOTE 2
2	STUD BOLT WITH PLANE WASHER, GROWER AND NUT	AISI 316L	M10X50		
3	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER			~~NOTE 3~~
4	Y/G INSULATING COPPER CONDUCTOR				NOTE 1 NOTE 5
5	EARTHING PLATE	AISI 316L (NOT PAINTED)	50X50X5		NOTE 4
6	HEXAGONAL BOLT WITH PLANE WASHERS, GROWER AND NUT.	AISI 316L	M10X30		
7	THREADED STUD COMPLETE WITH GROWER AND NUTS	AISI 316L	M10X28		NOTE 6 NOTE 7

E11A

DETAIL EARTHING BOSS 50x50

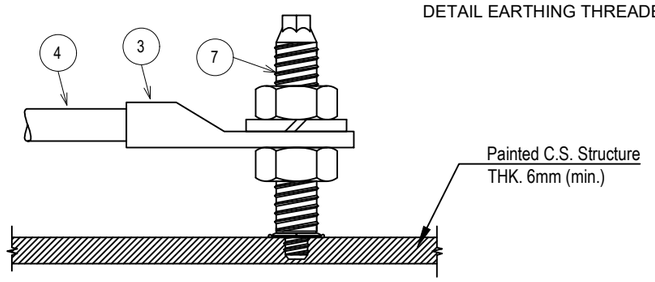


E11D

SEE NOTE 6

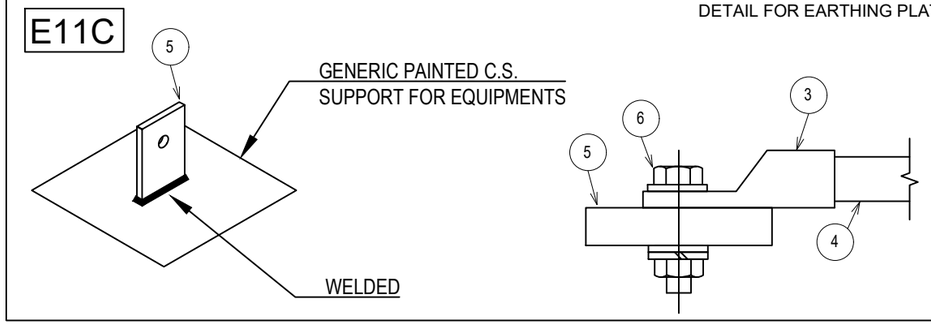
FOR CABLE
MAX 10mm²

DETAIL EARTHING THREADED STUD



E11C

DETAIL FOR EARTHING PLATE

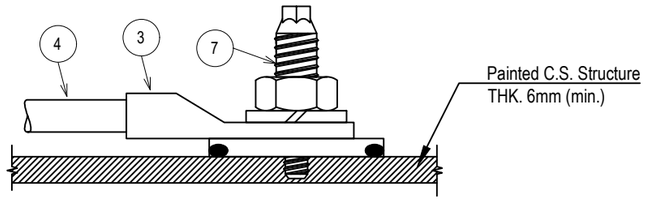


E11E

SEE NOTE 7

FOR CABLE
MAX 35mm²

DETAIL EARTHING THREADED STUD



NOTES:

1) ONLY ONE PROTECTIVE CONDUCTOR TERMINATION LUG SHALL BE CONNECTED TO A DEDICATED EARTHING BOSS, EARTH PLATE OR EARTH STUD.
2) EXTERNAL EARTHING CONNECTION ONLY SHALL BE PROTECTED AGAINST CORROSION USING OXIDE RESISTANT COMPOUND (E.G. COPPER GREASE).
3) ~~CABLE LUG CRIMPING METHOD SHALL BE HEXAGONAL COMPRESSION DIES ONLY.~~
4) EARTHING PLATE SHALL BE DEDICATED TO CABLE TRAY AND PIPE SUPPORTS, JUNCTION BOX, LOCAL CONTROL STATION AND SMALL EQUIPMENT SUPPORTS, LIGHTING POLES, RECEPTACLE SUPPORTS AND REMOVABLE HANDRAILS, ONLY.
5) FOR SIZE OF THE EARTHING CABLE SEE EARTHING LAYOUT DRAWINGS OF RESPECTIVE AREAS
6) HILTI S-BT-ER M10/15 SN6 CERTIFIED FOR EARTHING SYSTEM. RECOMMENDED MAX CONDUCTOR SIZE 10mm².
7) HILTI S-BT-ER M10 HC 120 CERTIFIED FOR EARTHING SYSTEM. RECOMMENDED MAX CONDUCTOR SIZE 35mm².

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20090**

REV.:	DATE:	SIGNATURE:
2_C	09/09/24	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	26/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/06/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–EARTHING SYSTEM
SINGLE EARTHING CONNECTION

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90–DDL–EL–DD–20090

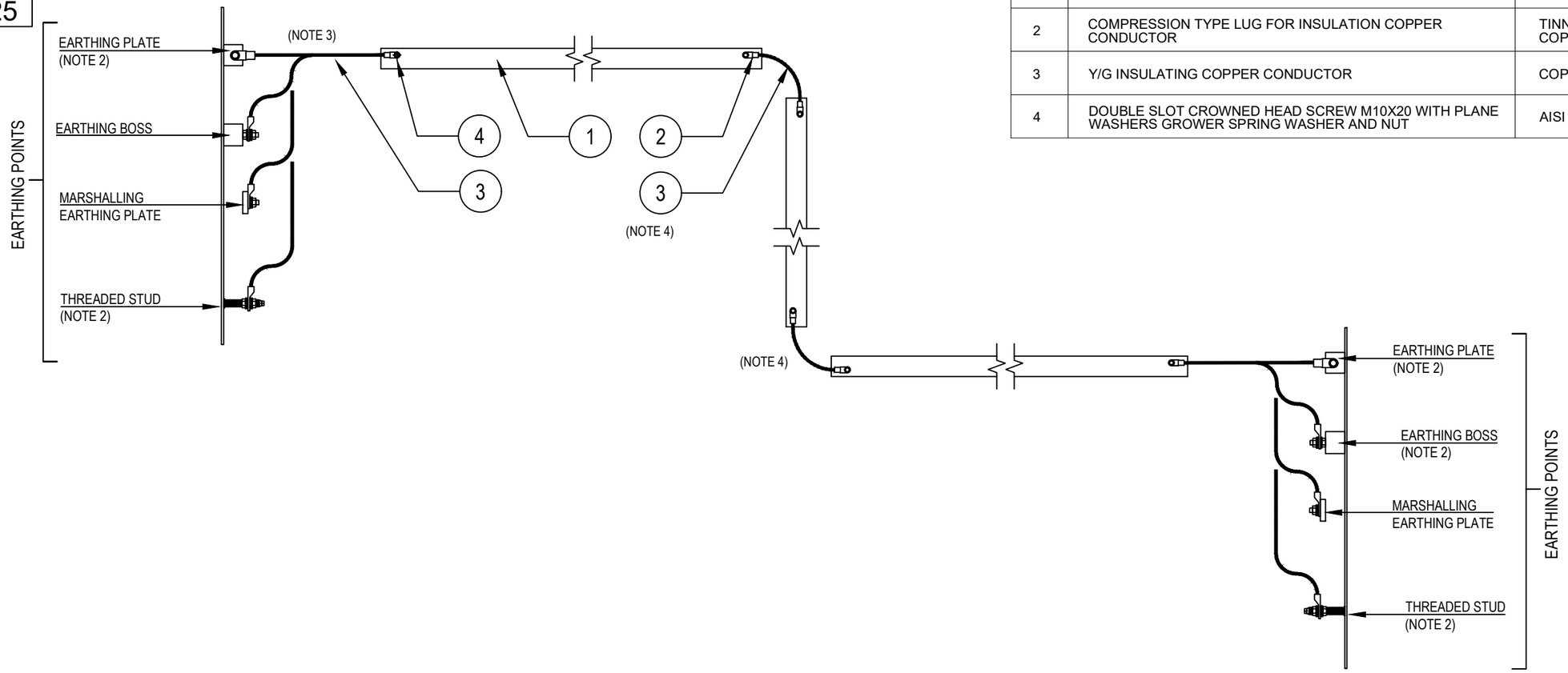
SHEET 003

REV. 02

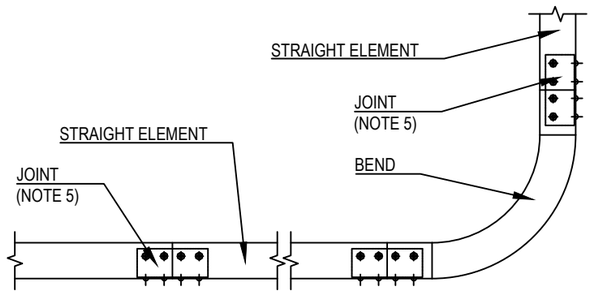
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20090 REV.02.DWG

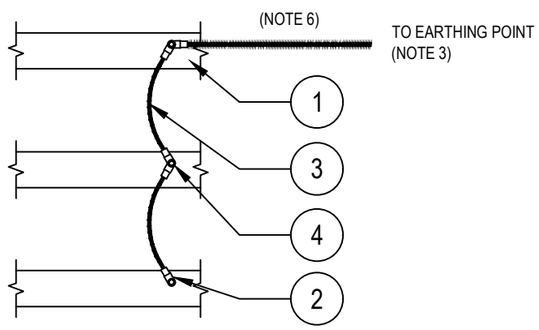
E25



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER/TRAY	FRP/GRP			
2	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER	16mm^2		~~NOTE 1~~
3	Y/G INSULATING COPPER CONDUCTOR	COPPER	16mm^2		
4	DOUBLE SLOT CROWNED HEAD SCREW M10X20 WITH PLANE WASHERS GROWER SPRING WASHER AND NUT	AISI 316L	~~M10X20~~ M6x20		



PARALLEL ROUTING



NOTES:
1) ~~CABLE LUG CRIMPING METHOD SHALL BE HEXAGONAL COMPRESSION DIES ONLY.~~
2) FOR DETAIL OF EARTHING PLATE, EARTHING BOSS AND THREADED STUD SEE TYP. E11A/C/D/E.
3) FOR EARTHING USE NEAREST EXISTING EARTHING POINT OR A NEW DEDICATED.
4) ON EVERY CHANGE OF DIRECTION MADE WITHOUT A PREFABBRICATED BEND, BONDING CONNECTION IS REQUIRED BY MEAN OF INSULATED Y/G EARTHING CONDUCTOR.
5) THE ELECTRIC CONTINUITY BETWEEN THE VARIOUS PREFABRICATED COMPONENTS IS GUARANTEED BY THE JOINTS INSTALLED ACCORDING TO THE ASSEMBLY INSTRUCTIONS OF THE CABLE TRAY/LADDER MANUFACTURER.
6) CABLE LADDER/TRAY SHALL BE CONNECTED TO THE EQUIPOTENTIAL BONDING SYSTEM AT BOTH ENDS. FULL CONTINUITY SHALL BE ENSURED. IN CASE OF SHORT LENGHT ELEMENTS (LESS THAN 3 m) ONE END ONLY MAY BE CONNECTED TO THE EQUIPOTENTIAL BONDING SYSTEM.
7) EXTERNAL EARTHING CONNECTION ONLY SHALL BE PROTECTED AGAINST CORROSION USING OXIDE RESISTANT COMPOUND (E.G. COPPER GREASE).

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20090**

REV.:	DATE:	SIGNATURE:
2_C	09/09/24	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	26/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/06/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-EARTHING SYSTEM
EARTHING FOR CABLE LADDERS & TRAYS

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

A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-EL-DD-20090	013	02

F.to UNI A3: 420mmx297mm

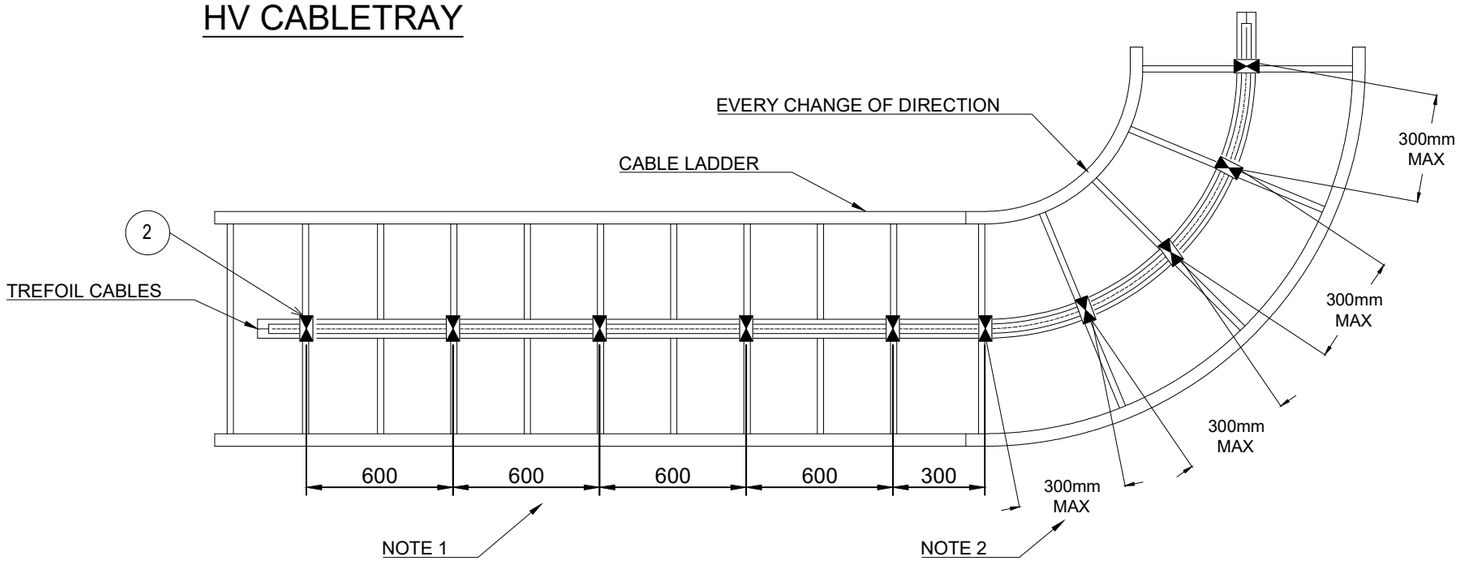
File Name : 123A90-DDL-EL-DD-20090 REV.02.DWG

C06

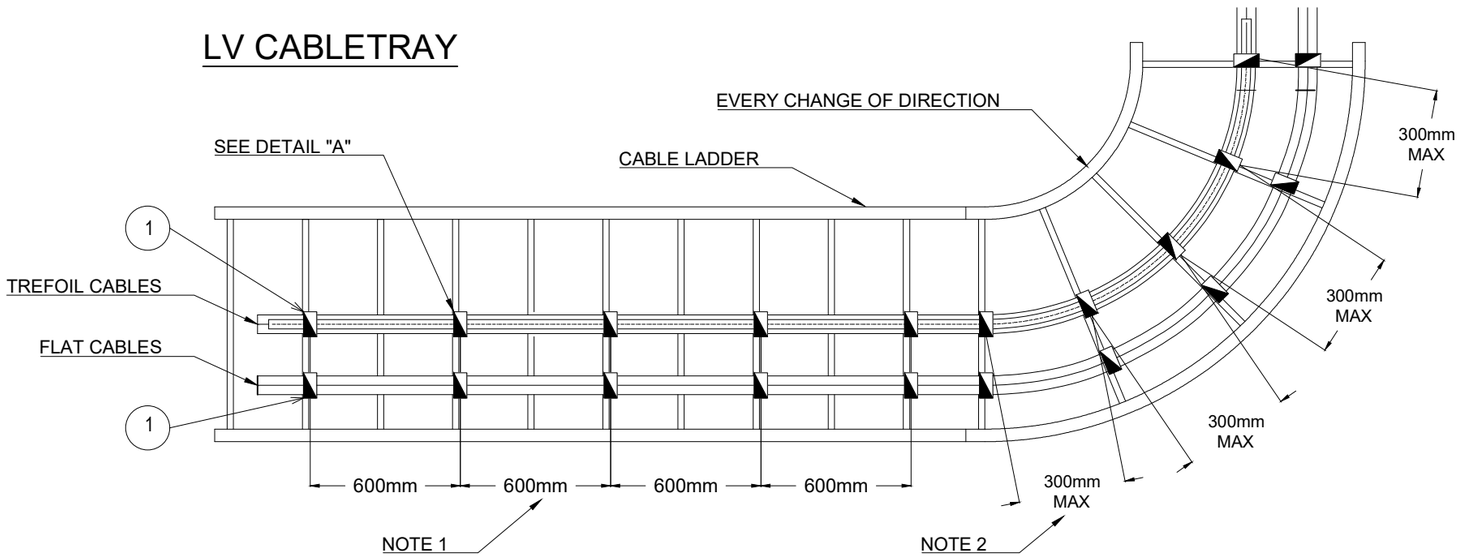
MAXIMUM CABLE TIES/CLEATS SPACING INSTALLATION DETAILS

MATERIALS		
POS.		DESCRIPTION
1		UV RESISTANT PVC CABLE TIES
2		STAINLESS STEEL DOUBLE WRAPPED CABLE CLEATS COMPLETE WITH TPE CUSHION SLEEVING

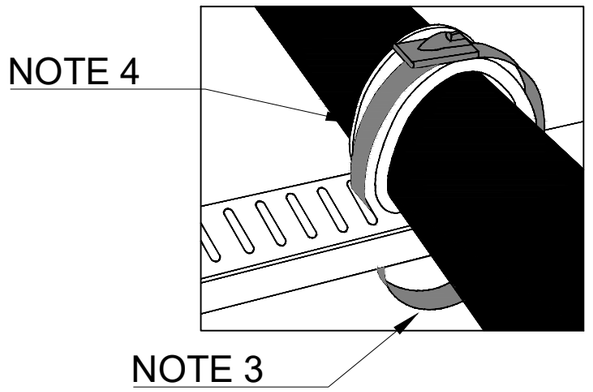
HV CABLETRAY



LV CABLETRAY



DETAIL "A" CABLE CLEATS



NOTES:

1) CABLES TIES SHALL BE HELD EVERY 600mm (CLEATS EVERY 600mm) ON HORIZONTAL RUNS.
2) CABLES SHALL BE HELD EVERY 300mm ON HORIZONTAL/VERTICAL ELBOW AND ON VERTICAL RUNS.
3) CABLE CLEATS WRAPPED TWO TIME AROUND THE CABLE RUNS.
4) TO PROTECT THE CABLE, INSTALL THE CUSHION SLEEVE BETWEEN THE CLAMP AND THE CABLE.

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20092**

REV.:	DATE:	SIGNATURE:
2_D	20/12/24	V.Ramponi

ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	28/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	04/07/24	NLK	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-POWER SYSTEM & CABLE INSTALLATION
MAXI. CABLE TIES SPACING TYPICAL INSTALLATION DETAILS CABLE FASTENING IN TRAYS/LADDER

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

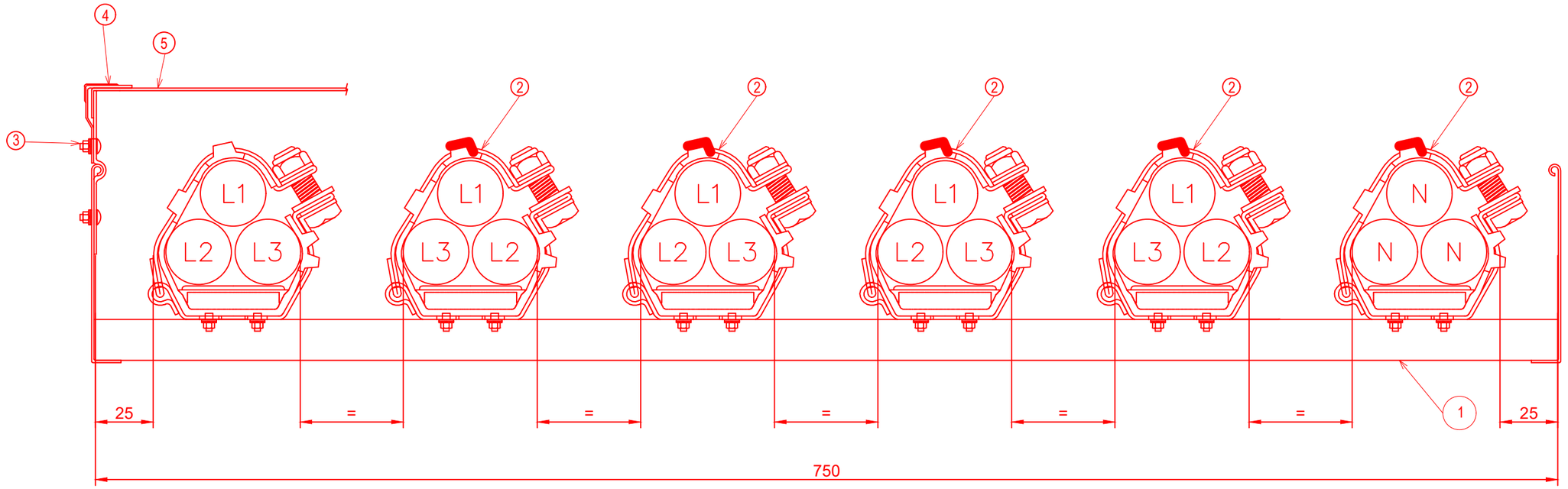
A3 | DRAWING NO. 123A90-DDL-EL-DD-20092 | SHEET 010 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20092 REV.02.DWG

C05B

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	CABLE CLEATS	AISI 316L			
3	BOLT, WASHER AND LOCK NUT	AISI 316L	M8x20		
4	COVER SPACER	AISI 316L			
5	COVER	AISI 316L			



NOTES:

1) CABLE CLEATS TO BE USED EXCLUSIVELY FOR CONNECTION WITH 1X300 mm² CABLE BETWEEN TRANSFORMER AND PMCC PANEL

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20092**

REV.:	DATE:	SIGNATURE:
2_D	20/12/24	V.Ramponi

ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	28/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	04/07/24	NLK	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-POWER SYSTEM & CABLE INSTALLATION
CABLES ARRANGEMENT IN CABLE LADDER FOR HIGH SCCR CABLES

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

A3 | DRAWING NO. 123A90-DDL-EL-DD-20092 | SHEET 011 | REV. 02

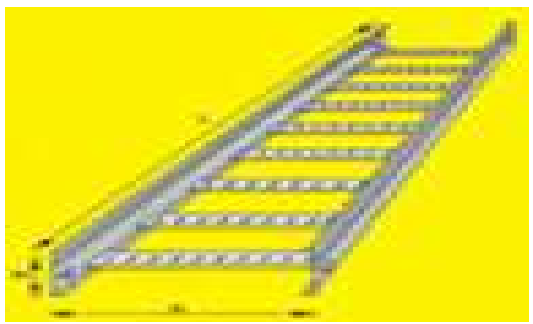
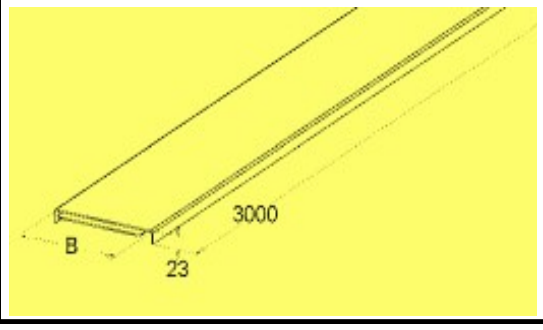
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20092 REV.03 IN PROGRESS.DWG

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 5 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALVANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

STRAIGHT ELEMENT with COVER

18	LENGTH [mm]	3000 ☑	5000 ☐	
19		4000 ☐	6000 ☐	
20	HEIGTH [mm]	50 ☐	100 ☑	
21		75 ☐	150 ☑	
22	WIDTH [mm]	50 ☐	300 ☑	600 ☑
23		100 ☐	400 ☐	750 ☑
24		150 ☑	450 ☑	
25		200 ☐	500 ☐	

QUANTITY

	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]
29	150x300	34	100x150	523		
30	STRAIGHT JOINT (1)	35	100x300	269		
31			100x450	58		
32			100x600	129		
33			100x750	43		
34			STRAIGHT JOINT (1)	850		
35						

36	CODE	REMARKS
37		(1) Complete of the bolts, nuts and washer
38		
39		
40		
41		
42		
43		
44		
45		
46		

47 **NOTES:**

48

49

50

51

52

53

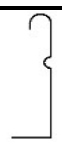
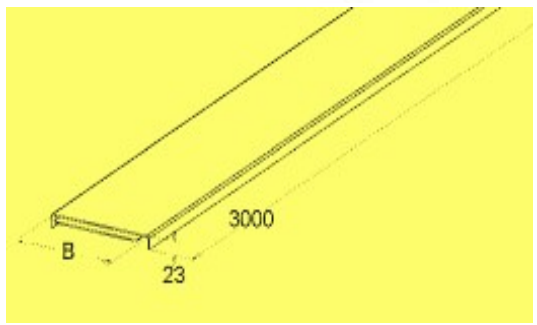
54

55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 6 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

TYPE	CABLE LADDER	☐			
	PERFORATED	☑			
	CLOSED	☐			
	FLANGE	SIMPLE ☐	BORDERED ☑		
					
MATERIAL	HOT DIP GALVANIZED STEEL	☐			
	ELECTROLYTICALLY GALVANIZED STEEL	☐			
	SENDZIMIR GALVANIZED STEEL	☐			
	STAINLESS STEEL AISI 304	☐			
	STAINLESS STEEL AISI 316	☑			
	ALLUMINIUM	☐			
	FRP / GRP for Hazardous Area	☐			

STRAIGHT ELEMENT with COVER

LENGTH [mm]	3000 ☑	5000 ☐		
	4000 ☐	6000 ☐		
HEIGTH [mm]	50 ☑	100 ☐		
	80 ☑	150 ☐		
WIDTH [mm]	50 ☑	300 ☐	600 ☐	
	100 ☐	400 ☐	750 ☐	
	150 ☐	450 ☐		
	200 ☑	500 ☐		

QUANTITY

HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]
80x200	100	50x50	283		

CODE	REMARKS
	(1) Complete of the bolts, nuts and washer

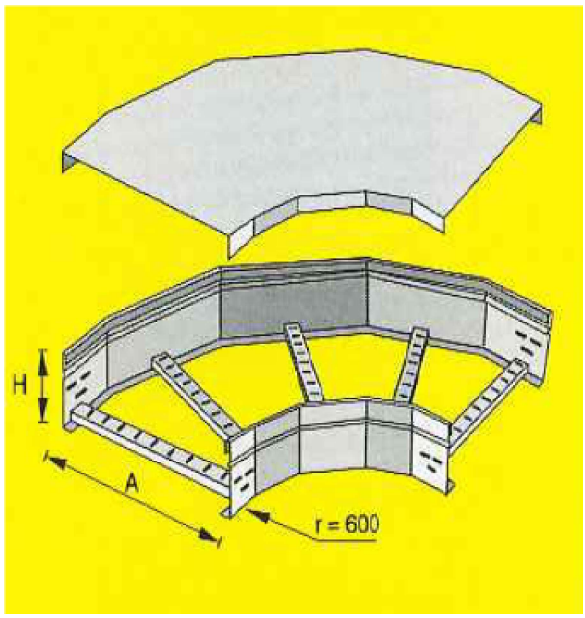
NOTES:

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 7 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER		☑	
2		PERFORATED		☐	
3		CLOSED		☐	
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL		☐	
9		ELECTROLYTICALLY GALVANIZED STEEL		☐	
10		SENDZIMIR GALCANIZED STEEL		☐	
11		STAINLESS STEEL AISI 304		☐	
12		STAINLESS STEEL AISI 316		☑	
13		ALLUMINIUM		☐	
14		FRP / GRP for Hazardous Area		☐	



15

16 17 **BEND INCLUDING COVER + FIXING CLIP**

18	BEND DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☐	100	☑		
21		75	☐	150	☑		
22	WIDTH [mm]	50	☐	300	☑	600	☑
23		100	☐	400	☐	750	☑
24		150	☑	450	☑		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☑
27		300	☑	500	☐	900	☑

28 29 **QUANTITY**

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm]		[°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm]		[°]	QUANTITY [pc]
31	H100 x W150	R300	90	29	H150 x W300	R300	90	6
32	H100 x W300	R300	90	11				
33	H100 x W450	R300	90	1				
34	H100 x W300	R600	90	6				
35	H100 x W600	R600	90	1				
36	H100 x W750	R600	90	1				
37	H100 x W600	R900	90	1				
38								
39					FIXING CLIP			224

40	CODE	REMARKS
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

51 **NOTES:**

52

53

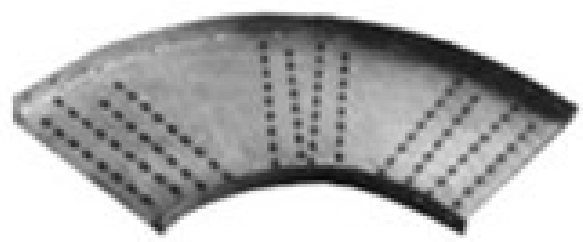
54

55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 8 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☐		
2		PERFORATED	☑		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

BEND INCLUDING COVER + FIXING CLIP

18	BEND DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☑	100	☐		
21		75	☐	150	☐		
22	WIDTH [mm]	50	☑	300	☐	600	☐
23		100	☐	400	☐	750	☐
24		150	☐	450	☐		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☐
27		300	☑	500	☐	900	☐

QUANTITY

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
31	H50 x W50 R300 90	11		
32				
33				
34				
35				
36				
37				
38				
39	FIXING CLIP	44		

40	CODE	REMARKS
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

51 **NOTES:**

52

53

54

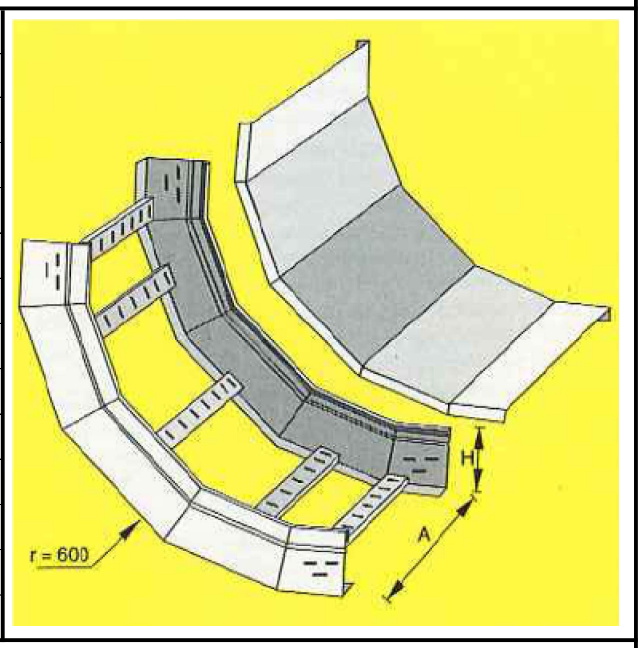
55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 9 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		



15

16 17 **INSIDE RISER INCLUDING COVER + FIXING CLIP**

18	RISER DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☐	100	☑		
21		75	☐	150	☑		
22	WIDTH [mm]	50	☐	300	☑	600	☑
23		100	☐	400	☐	750	☑
24		150	☑	450	☑		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☑
27		300	☑	500	☐	900	☑

28 29 **QUANTITY**

	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
30				
31	H100 x W150 R300 90	11	H150 x W300 R900 90	1
32	H100 x W300 R300 90	14		
33	H100 x W450 R300 90	6		
34	H100 x W150 R600 90	1		
35	H100 x W300 R600 90	6		
36	H100 x W450 R600 90	1		
37	H100 x W600 R600 90	1		
38	H100 x W750 R600 90	3		
39				
40			FIXING CLIP	176
41				

	CODE	REMARKS
42		
43		
44		
45		
46		
47		
48		
49		

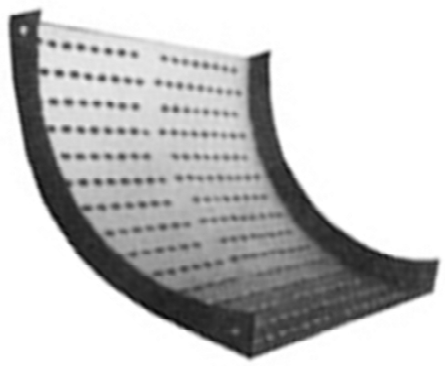
50 **NOTES:**

51
52
53
54
55
56
57

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 10 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☐		
2		PERFORATED	☑		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

INSIDE RISER INCLUDING COVER + FIXING CLIP

18	RISER DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☑	100	☐		
21		75	☐	150	☐		
22	WIDTH [mm]	50	☑	300	☐	600	☐
23		100	☐	400	☐	750	☐
24		150	☐	450	☐		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☐
27		300	☑	500	☐	900	☐

QUANTITY

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
31	H50 x W50 R300 90	19		
32				
33				
34				
35				
36				
37				
38				
39				
40	FIXING CLIP	76		
41				

42	CODE	REMARKS
43		
44		
45		
46		
47		
48		
49		

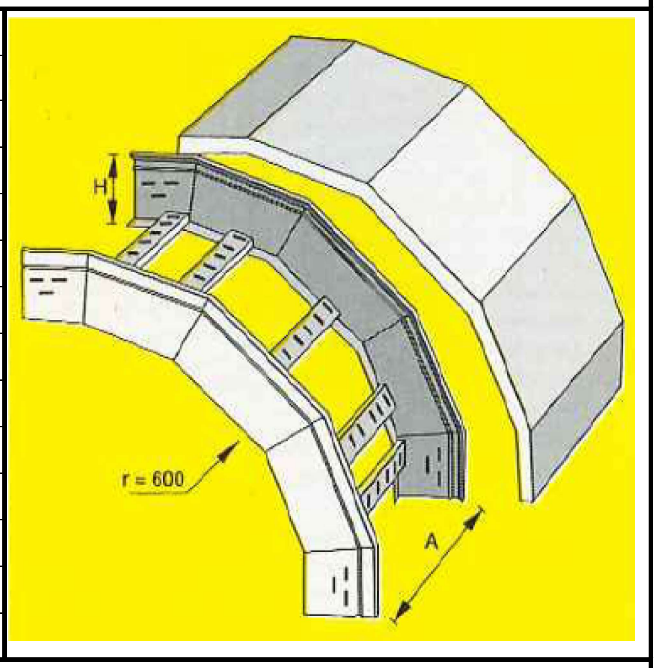
50 **NOTES:**

51
52
53
54
55
56
57

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 11 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

OUTSIDE RISER INCLUDING COVER + FIXING CLIP

18	RISER DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☐	100	☑		
21		75	☐	150	☑		
22	WIDTH [mm]	50	☐	300	☑	600	☑
23		100	☐	400	☐	750	☑
24		150	☑	450	☑		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☑
27		300	☑	500	☐	900	☑

QUANTITY

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
31	H100 x W150 R300 90	38	H150 x W300 R900 90	3
32	H100 x W300 R300 90	14		
33	H100 x W450 R300 90	11		
34	H100 x W150 R600 90	1		
35	H100 x W300 R600 90	4		
36	H100 x W450 R600 90	1		
37	H100 x W600 R600 90	1		
38	H100 x W750 R600 90	4		
39				
40				
41				
42				
43			FIXING CLIP	308

44	CODE	REMARKS
45		
46		
47		
48		
49		
50		
51	**NOTES:**	
52		
53		
54		
55		

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 12 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☐		
2		PERFORATED	☑		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

OUTSIDE RISER INCLUDING COVER + FIXING CLIP

18	RISER DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☑	100	☐		
21		75	☐	150	☐		
22	WIDTH [mm]	50	☑	300	☐	600	☐
23		100	☐	400	☐	750	☐
24		150	☐	450	☐		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☐
27		300	☑	500	☐	900	☐

QUANTITY

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
31	H50 x W50 R300 90	5		
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43	FIXING CLIP	20		

44	CODE	REMARKS
45		
46		
47		
48		
49		
50		

51 **NOTES:**

52

53

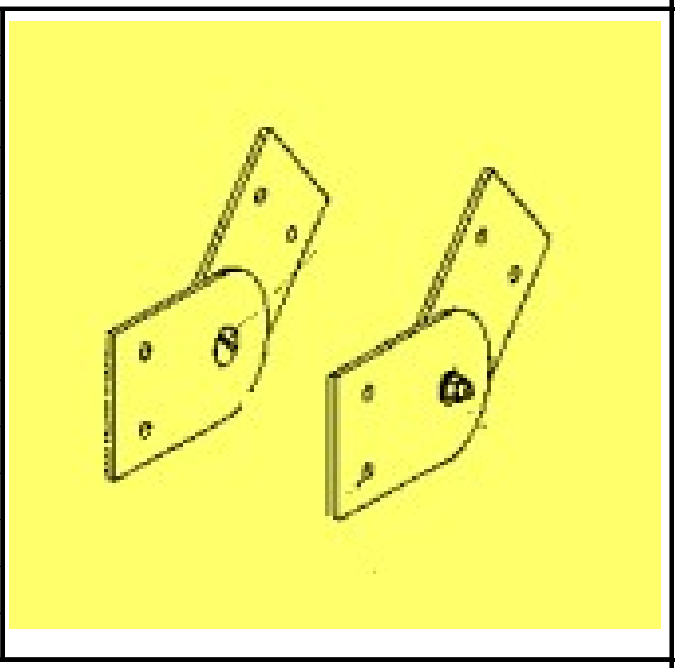
54

55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 13 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

VERTICAL HINGED JOINT (complete of bolts,nuts and washer)

18	HEIGTH [mm]	50	☐	100	☑
19		75	☐	150	☑

QUANTITY

	HEIGHT [mm]	QUANTITY [pc]
22		
23	100	125
24	150	25
25		
26		

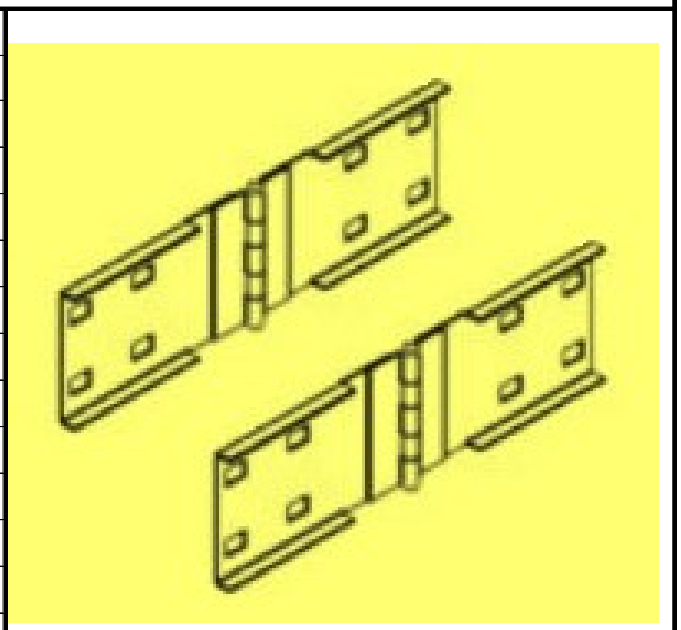
	CODE	REMARKS
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		

NOTES:

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 14 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					
16	**HORIZONTAL ADJUSTABLE JOINT (complete of bolts,nuts and washer)**				
17					
18	HEIGTH [mm]	50	☐	100 ☑	
19		75	☐	150 ☑	
20	**QUANTITY**				
21					

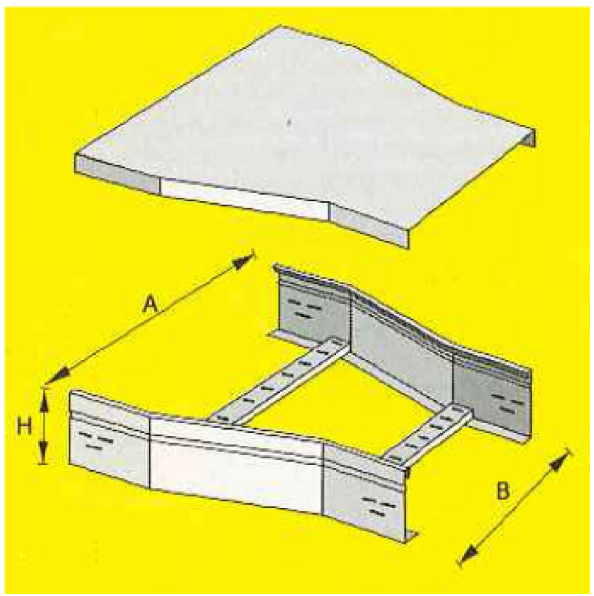
	HEIGHT [mm]	QUANTITY [pc]	
22			
23	100	50	
24	150	15	
25			
26			

27		
28		
29		
30		
31	CODE	REMARKS
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45	**NOTES:**	
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 15 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

REDUCTION ELEMENT INCLUDING COVER + FIXING CLIP

18	HEIGTH [mm]	50	☐	150	☐	
19		75	☐			
20		100	☑			
21	WIDTH [mm]	200-100	☐	600-300	☑	
22		300-200	☐	600-400	☐	
23		300-150	☑	600-500	☐	
24		450-300	☑			
25		500-300	☐			

QUANTITY

	HEIGHT / WIDTH [mm]	QUANTITY [pc]	HEIGHT / WIDTH [mm]	QUANTITY [pc]	
28					
29	H100 x W300-150	4			
30	H100 x W450-300	3			
31	H100 x W600-300	3			
32					
33					
34					
35	FIXING CLIP	40			

	CODE	REMARKS
36		
37		
38		
39		
40		
41		
42		
43		
44		

45 **NOTES:**

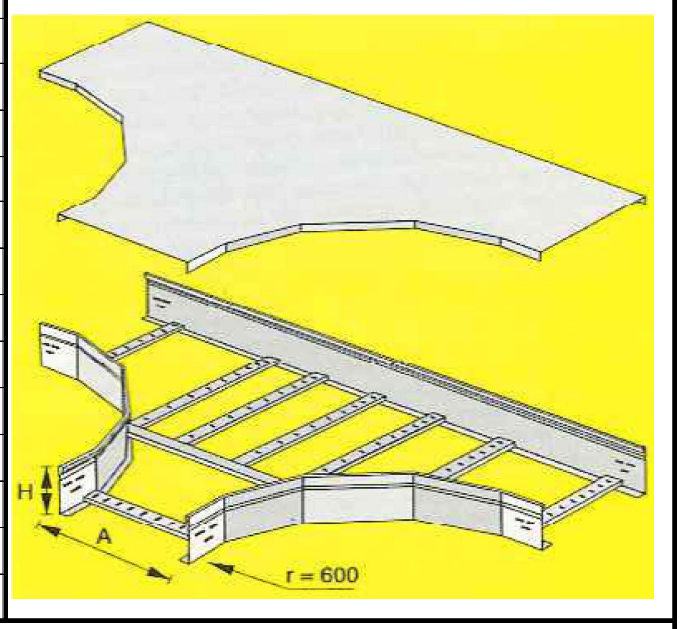
46
47
48
49
50
51
52
53
54
55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 16 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		



15

TEE CONNECTION INCLUDING COVER + FIXING CLIP

18	INTERNAL RADIUS [mm]	300	☑	500	☐	900	☑
19		400	☐	600	☑		
20	HEIGTH [mm]	50	☐	100	☑		
21		75	☐	150	☐		
22	WIDTH [mm]	50	☐	300	☑		
23		100	☐	450	☑		
24		150	☑	600	☑		
25		200	☐	750	☑		

26
27

QUANTITY

	HEIGHT x WIDTH , RADIUS [mm]	QUANTITY [pc]
28		
29	H100 x W300 , R300	3
30	H100 x W450 , R600	3
31	H100 x W600 , R600	4
32	H100 x W150 , R900	3
33	H100 x W300 , R900	6
34	H100 x W600 , R900	3
35	H100 x W750 , R900	3
36	FIXING CLIP	150

37

	CODE	REMARKS
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		

50 **NOTES:**

51
52
53
54
55

ITEM	Tag	CABLE_TRAY_B400_ELE_LV	: Cable Tray B400 - Electrical (Low Voltage)		Dwg	123A90-DDL-EL-DL-20110	
	S/Sys	90-04	: I&T System Equipment Room B-400		Module	LD_B-400	
TASK	code	C10002293	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	MC	Activity CCK	Discipline Electrical	Form	CPX30B	Cable Tray/Ladder After pulling

AFTER PULLING

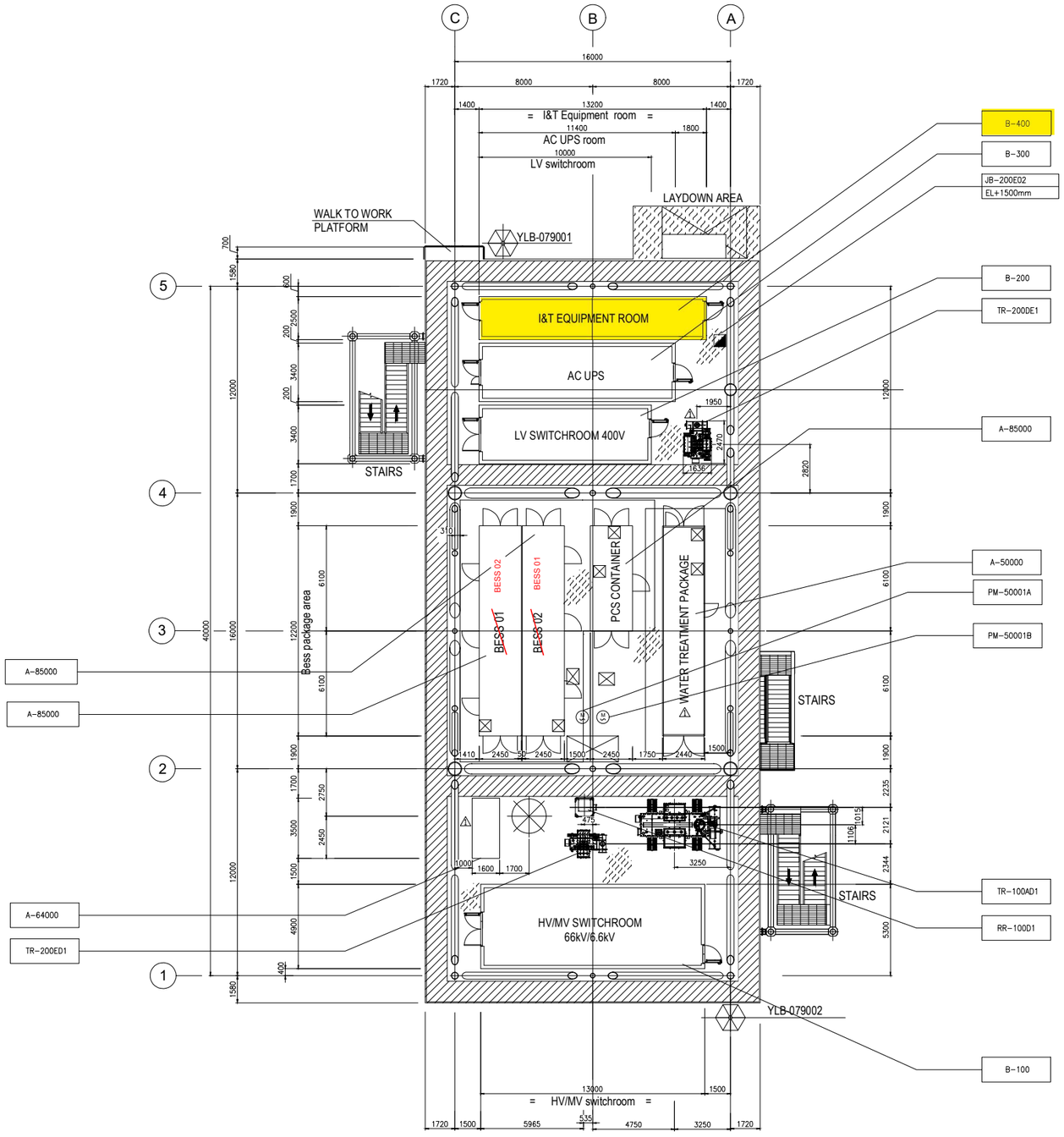
1	Check cable segregation on rack and tray	OK
2	Check Capacity of cable rack and tray (bunching, size of cables, spare capacity, etc.)	OK
3	Check cable tray / ladder for Damages and cleanness	OK
4	Check of proper cable bending radius	OK
5	Check proper fastening of cables (distance and material)	PL
6	Check lids intallation (if any) against drawings	NA
7	If required produce Red Line Mark Up for "AS BUILT"	

Comments:

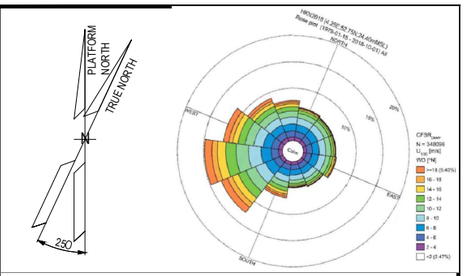
	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM(ROSETTI MARINO)	
Name	Michele Tartaglia	Eleonora Carotenuto	
Date	2025-02-18	2025-02-21	
Signature	PROVERLIS Digitaly signed by Michele Tartaglia 2025-02-18T16:02:20.341Z	PROVERLIS Digitaly signed by Eleonora Carotenuto 2025-02-21T12:34:55.389Z	

DRAWING NO. 123A90-DDL-EL-DL-20101

REV. 01



PLAN ON LOWER DECK
EL+23.310 T.O.S.



NOTES

1. ALL DIMENSIONS IN MM UNLESS NOTED OTHERWISE.
2. ALL ELEVATIONS IN METERS. UNLESS NOTED OTHERWISE.
3. ELEVATIONS REFER TO T.O.S.
4. FOR ELECTRICAL EQUIPMENT LAYOUT OF CONTAINERS B-100, B-200, B-300, B-400 REFER TO THE RESPECTIVE LAYOUTS.

LEGEND

(M)	ELECTRIC MOTOR – LOW VOLTAGE
⊠	INTERFACE PANEL
◪	JUNCTION BOX
JB-200E2 / EL+500mm	TAG ITEM / REFERED ELEVATION TO T.O.S. (TOP OF STEEL)

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT UPSs & BATTERIES SWITCHROOM
⚠ 123A90-DDL-IN-DL-40012	ITER EQUIPMENT LAYOUT
123A90-DDL-EL-DL-20104	ELECTRICAL EQUIPMENT LAYOUT HV & MV SWITCHROOM
123A90-DDL-EL-DL-20105	LV SWITCHGEAR ROOM EQUIPMENT LAYOUT

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/05/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	04/03/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

VALID FOR CONSTRUCTION

REV.:	DATE:	SIGNATURE:
1_B	12/12/24	C.Pilato

ROSETTI MARINO SpA

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

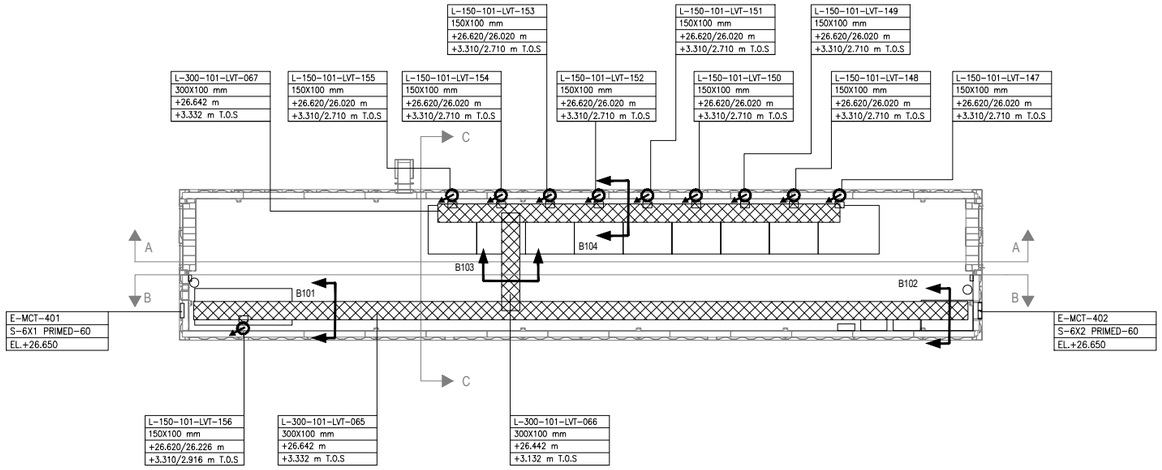
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:150
DRAWN SAM	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 04/03/24

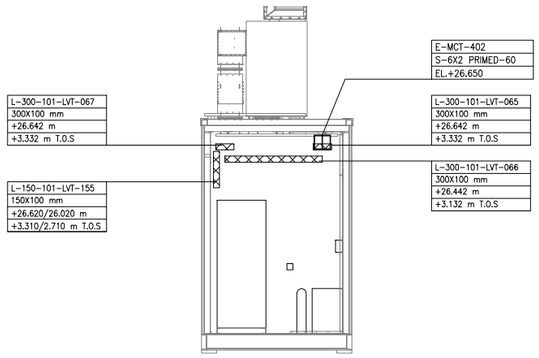
A1	DRAWING NO. 123A90-DDL-EL-DL-20101	SHEET 001	REV. 01

File Name : 123A90-DDL-EL-DL-20101-Electrical Equipment Layout - Lower Deck

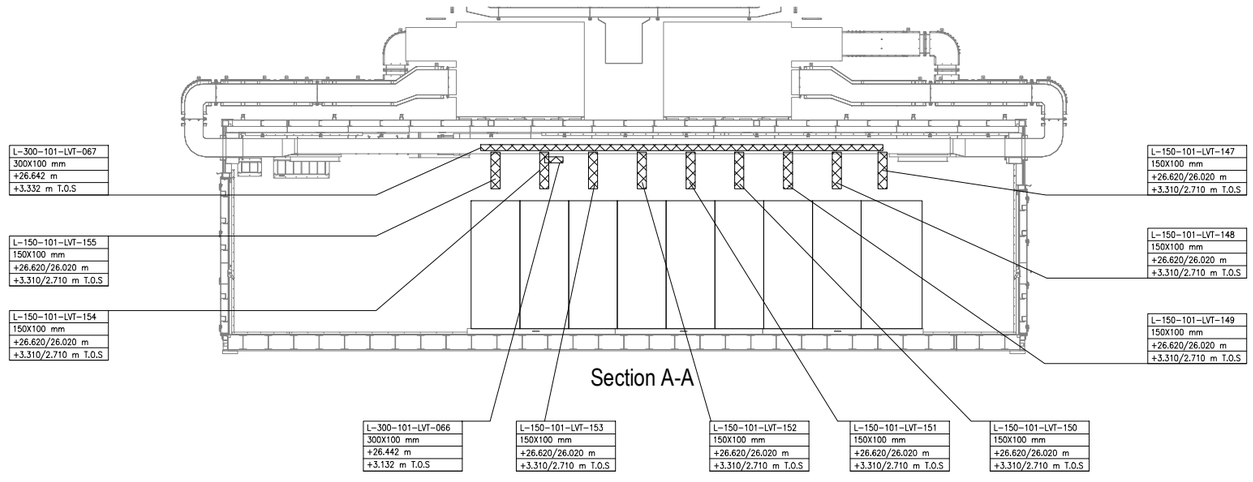
DRAWING NO. 123A90-DDL-EL-DL-20110

REV. 01

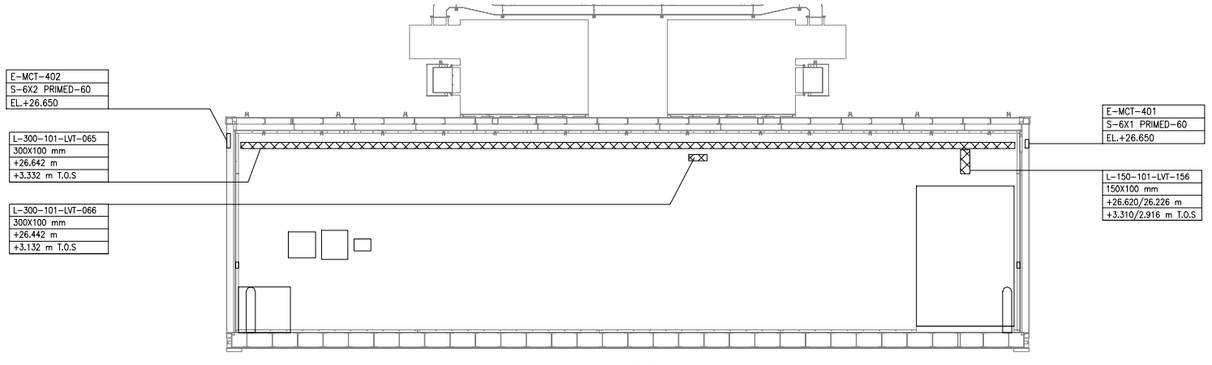




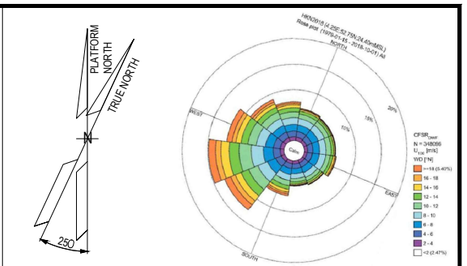
Section C-C



Section A-A



Section B-B



NOTES

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

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

3.DRAWING SPLIT INTO MULTIPLE SHEETS FOR CLARITY.

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

5.FOR LIGHTING AND SOCKET EQUIPMENTS SEE DRAWING 1724000049-AR-DA-00017 AND 1724000049-EL-LIS-00046

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

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

8.CABLE ROUTE ELEVATION ARE REFERS TO BOTTOM ON HORIZONTAL CABLE TRAYS AND TO THE TOP AND BOTTOM OF VERTICALLY INSTALLED CABLE TRAYS.

LEGEND

ELECTRICAL LV CABLE LADDER

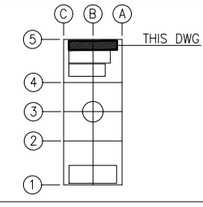
ELECTRICAL CABLE LADDER (VERTICAL DROP)

B100
CABLE SECTION

MCT TAG
TAG
MCT FRAME
ELEVATION

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

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-EL-DD-20093	ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
123A90-DDL-EL-LIS-20148	ELECTRICAL POWER & CONTROL CABLE SCHEDULE
123A90-DDL-IN-DL-40012	OFF-SHORE ITER EQUIPMENT LAYOUT
1724000049-AR-DA-00017	B-400 GENERAL ARRANGEMENT DRAWING
123A90-DDL-EL-DD-20095	MCT COMPOSITION
1724000049-EL-LIS-00046	B-400 ELECTRICAL COMPONENTS LIST AND DS - E&I SHELTERS
123A90-DDL-EL-DL-20115	ELECTRICAL MCT LAYOUT - LOWER DECK

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	27/09/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	26/08/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

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

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN SAM	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 26/08/24
A1	DRAWING NO. 123A90-DDL-EL-DL-20110	SHEET 1of3	REV. 01

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DL-20110

REV.:	DATE:	SIGNATURE:
1_A	30/09/24	G.Randi

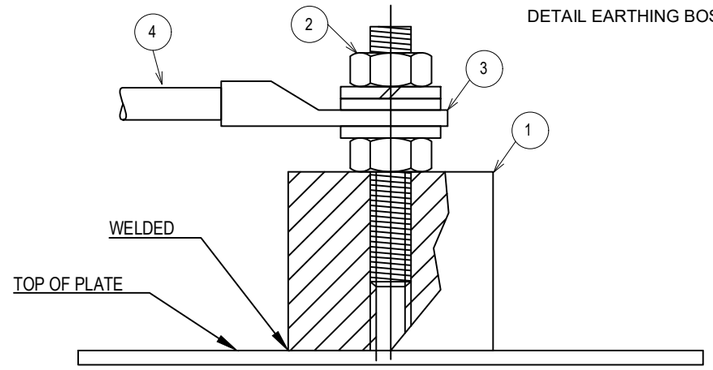
ROSETTI MARINO SpA

File Name : 123A90-DDL-EL-DL-20110

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	EARTHING BOSS WITH THREADED HOLE M10	AISI 316L	50X50 50X150	1	NOTE 2
2	STUD BOLT WITH PLANE WASHER, GROWER AND NUT	AISI 316L	M10X50		
3	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER			~~NOTE 3~~
4	Y/G INSULATING COPPER CONDUCTOR				NOTE 1 NOTE 5
5	EARTHING PLATE	AISI 316L (NOT PAINTED)	50X50X5		NOTE 4
6	HEXAGONAL BOLT WITH PLANE WASHERS, GROWER AND NUT.	AISI 316L	M10X30		
7	THREADED STUD COMPLETE WITH GROWER AND NUTS	AISI 316L	M10X28		NOTE 6 NOTE 7

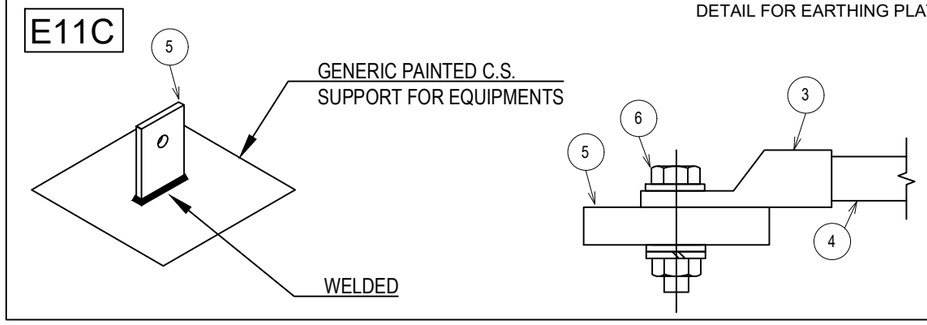
E11A

DETAIL EARTHING BOSS 50x50



E11C

DETAIL FOR EARTHING PLATE

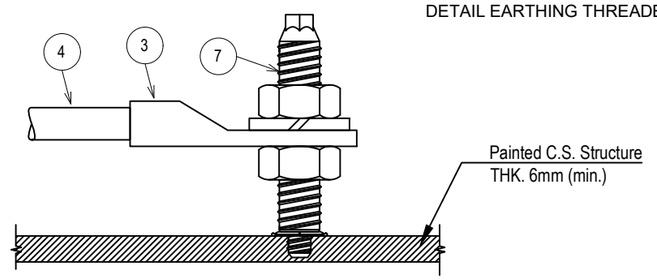


E11D

SEE NOTE 6

FOR CABLE
MAX 10mm²

DETAIL EARTHING THREADED STUD

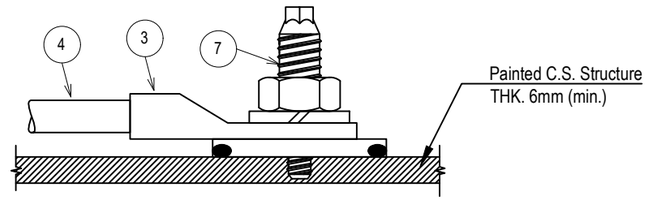


E11E

SEE NOTE 7

FOR CABLE
MAX 35mm²

DETAIL EARTHING THREADED STUD



NOTES:
1) ONLY ONE PROTECTIVE CONDUCTOR TERMINATION LUG SHALL BE CONNECTED TO A DEDICATED EARTHING BOSS, EARTH PLATE OR EARTH STUD.
2) EXTERNAL EARTHING CONNECTION ONLY SHALL BE PROTECTED AGAINST CORROSION USING OXIDE RESISTANT COMPOUND (E.G. COPPER GREASE).
3) ~~CABLE LUG CRIMPING METHOD SHALL BE HEXAGONAL COMPRESSION DIES ONLY.~~
4) EARTHING PLATE SHALL BE DEDICATED TO CABLE TRAY AND PIPE SUPPORTS, JUNCTION BOX, LOCAL CONTROL STATION AND SMALL EQUIPMENT SUPPORTS, LIGHTING POLES, RECEPTACLE SUPPORTS AND REMOVABLE HANDRAILS, ONLY.
5) FOR SIZE OF THE EARTHING CABLE SEE EARTHING LAYOUT DRAWINGS OF RESPECTIVE AREAS
6) HILTI S-BT-ER M10/15 SN6 CERTIFIED FOR EARTHING SYSTEM. RECOMMENDED MAX CONDUCTOR SIZE 10mm².
7) HILTI S-BT-ER M10 HC 120 CERTIFIED FOR EARTHING SYSTEM. RECOMMENDED MAX CONDUCTOR SIZE 35mm².

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20090**

REV.:	DATE:	SIGNATURE:
2_I	07/11/24	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	26/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/06/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–EARTHING SYSTEM
SINGLE EARTHING CONNECTION

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90–DDL–EL–DD–20090

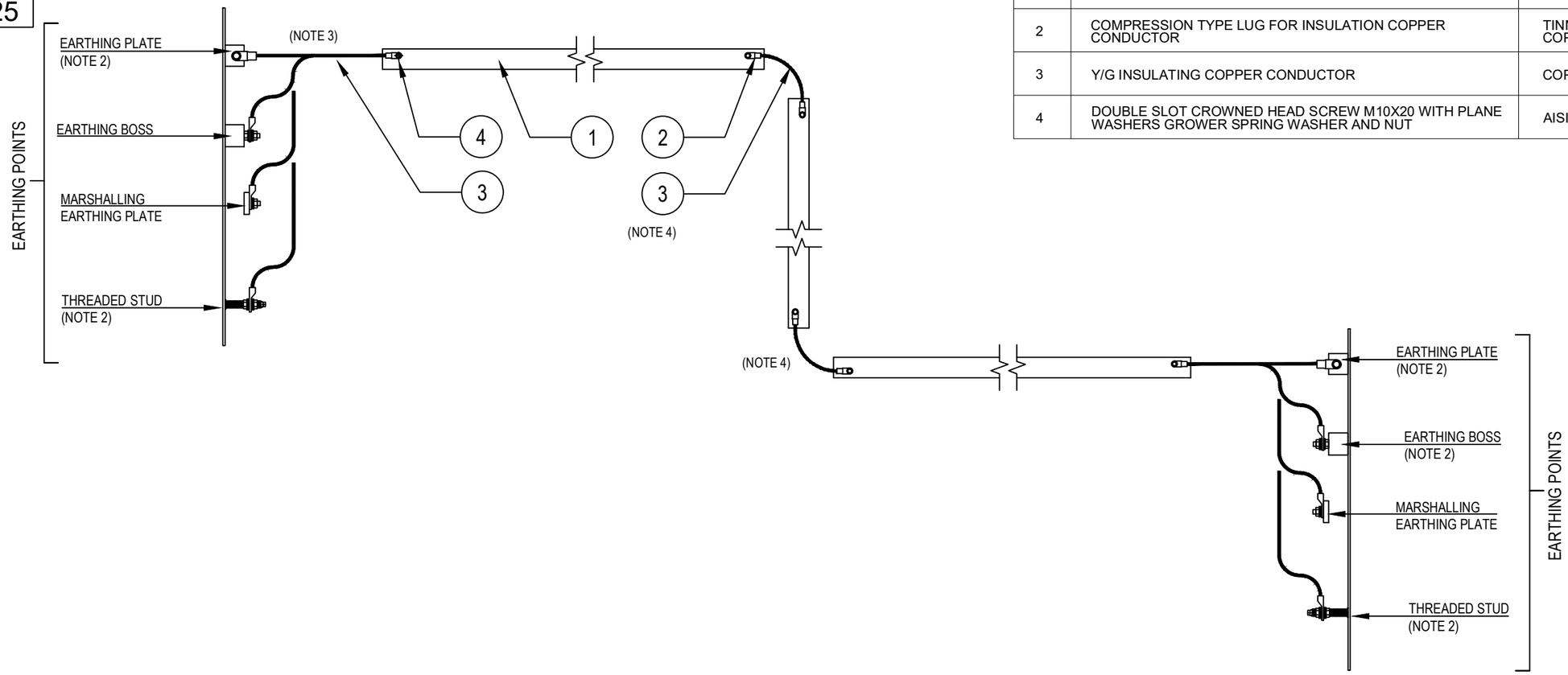
SHEET 003

REV. 02

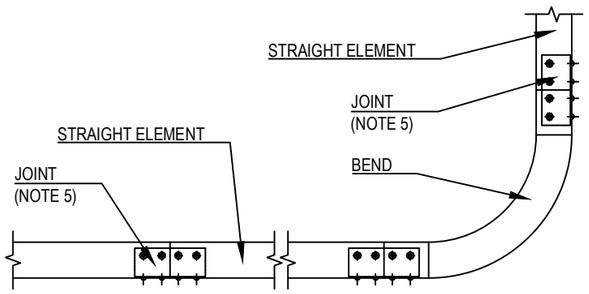
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20090 REV.02.DWG

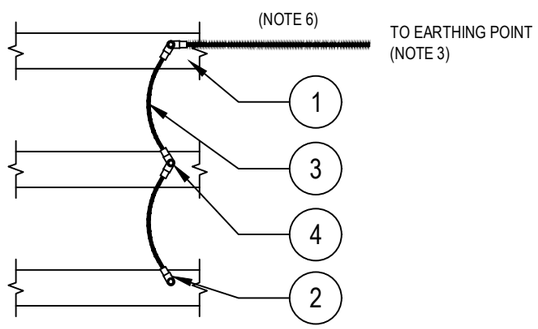
E25



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER/TRAY	FRP/GRP			
2	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER	16mm^2		~~NOTE 1~~
3	Y/G INSULATING COPPER CONDUCTOR	COPPER	16mm^2		
4	DOUBLE SLOT CROWNED HEAD SCREW M10X20 WITH PLANE WASHERS GROWER SPRING WASHER AND NUT	AISI 316L	~~M10X20~~ M6x20		



PARALLEL ROUTING



NOTES:
1) ~~CABLE LUG CRIMPING METHOD SHALL BE HEXAGONAL COMPRESSION DIES ONLY.~~
2) FOR DETAIL OF EARTHING PLATE, EARTHING BOSS AND THREADED STUD SEE TYP. E11A/C/D/E.
3) FOR EARTHING USE NEAREST EXISTING EARTHING POINT OR A NEW DEDICATED.
4) ON EVERY CHANGE OF DIRECTION MADE WITHOUT A PREFABBRICATED BEND, BONDING CONNECTION IS REQUIRED BY MEAN OF INSULATED Y/G EARTHING CONDUCTOR.
5) THE ELECTRIC CONTINUITY BETWEEN THE VARIOUS PREFABRICATED COMPONENTS IS GUARANTEED BY THE JOINTS INSTALLED ACCORDING TO THE ASSEMBLY INSTRUCTIONS OF THE CABLE TRAY/LADDER MANUFACTURER.
6) CABLE LADDER/TRAY SHALL BE CONNECTED TO THE EQUIPOTENTIAL BONDING SYSTEM AT BOTH ENDS. FULL CONTINUITY SHALL BE ENSURED. IN CASE OF SHORT LENGHT ELEMENTS (LESS THAN 3 m) ONE END ONLY MAY BE CONNECTED TO THE EQUIPOTENTIAL BONDING SYSTEM.
7) EXTERNAL EARTHING CONNECTION ONLY SHALL BE PROTECTED AGAINST CORROSION USING OXIDE RESISTANT COMPOUND (E.G. COPPER GREASE).

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20090**

REV.:	DATE:	SIGNATURE:
2_I	07/11/24	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	26/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/06/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–EARTHING SYSTEM
EARTHING FOR CABLE LADDERS & TRAYS

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

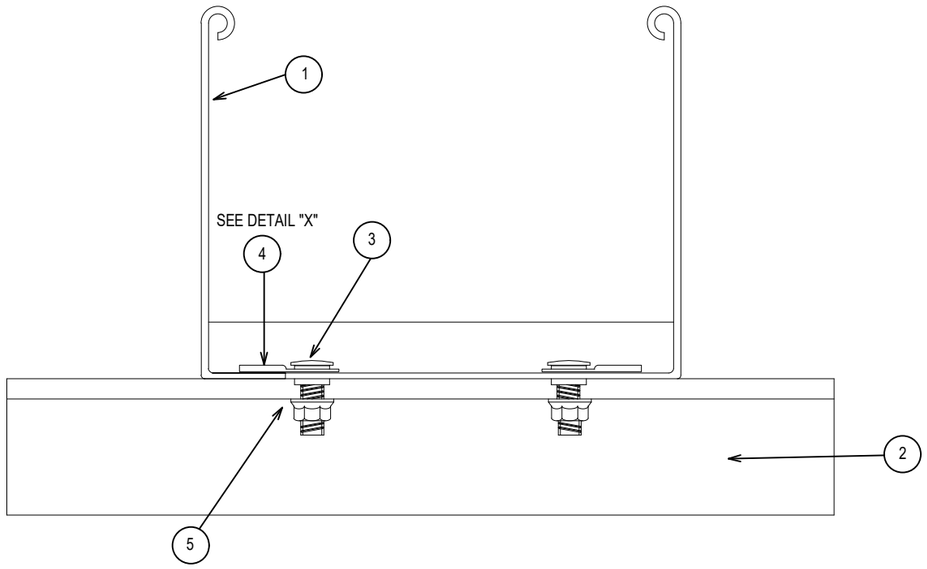
A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-EL-DD-20090	013	02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20090 REV.02.DWG

CABLE LADDER FIXING ON FRP RACK

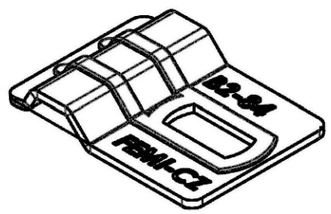
POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	PROFILE SUPPORT	FRP			
3	ROUND HEAD SQUARE NECK SCREW	AISI 316L	M8x20	2	
4	HOLD DOWN CLAMP	AISI 316L		2	
5	FLANGED NUT	AISI 316L	M8	2	



TYPICAL

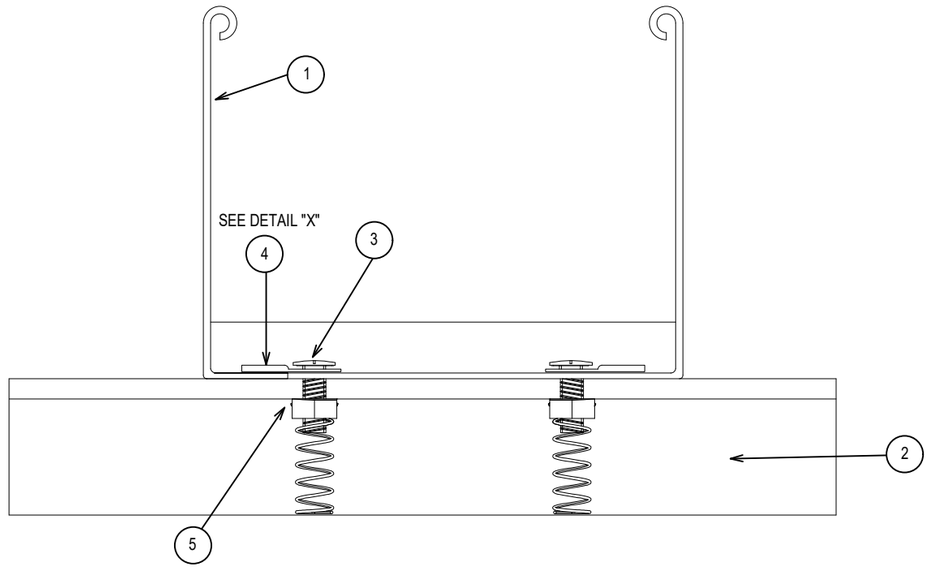
LF

DETAIL "X"



CABLE LADDER FIXING ON UNISTRUT

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M8x20	2	
4	HOLD DOWN CLAMP	AISI 316L		2	
5	NUT FOR CHANNEL WITH SPRING	AISI 316L	M8x40	2	



TYPICAL

LU

SEE SHEET 18 FOR FIXING OF CABLE LADDER ON UNISTRUT ON VERTICAL RUNS

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20093**

REV.:	DATE:	SIGNATURE:
2_F	09/01/25	G.Randi

ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE LADDER FIXING

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

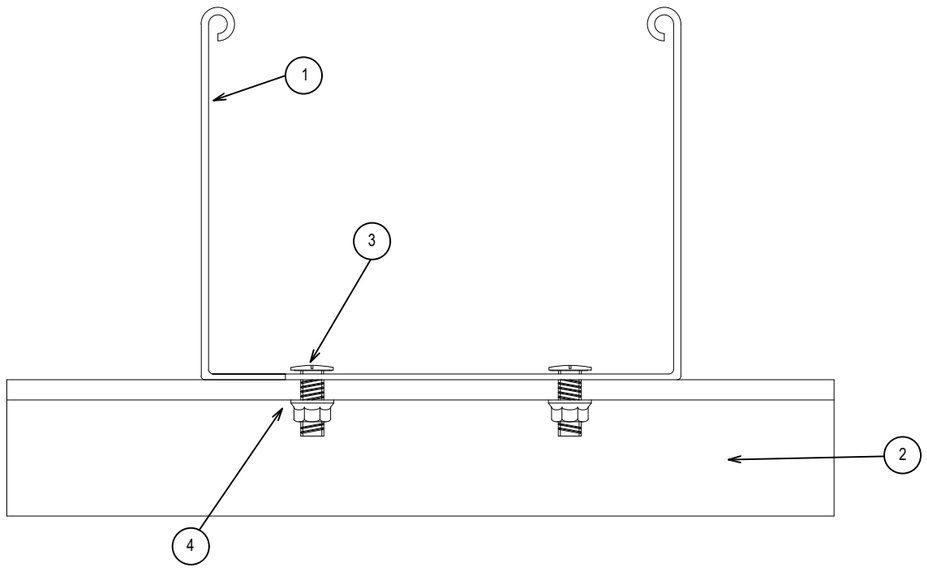
A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 004 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

CABLE TRAY PERFORATED FIXING ON FRP RACK

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE TRAY PERFORATED	AISI 316L			
2	PROFILE SUPPORT	FRP			
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M6x20	2	
4	FLANGED NUT	AISI 316L	M6	2	

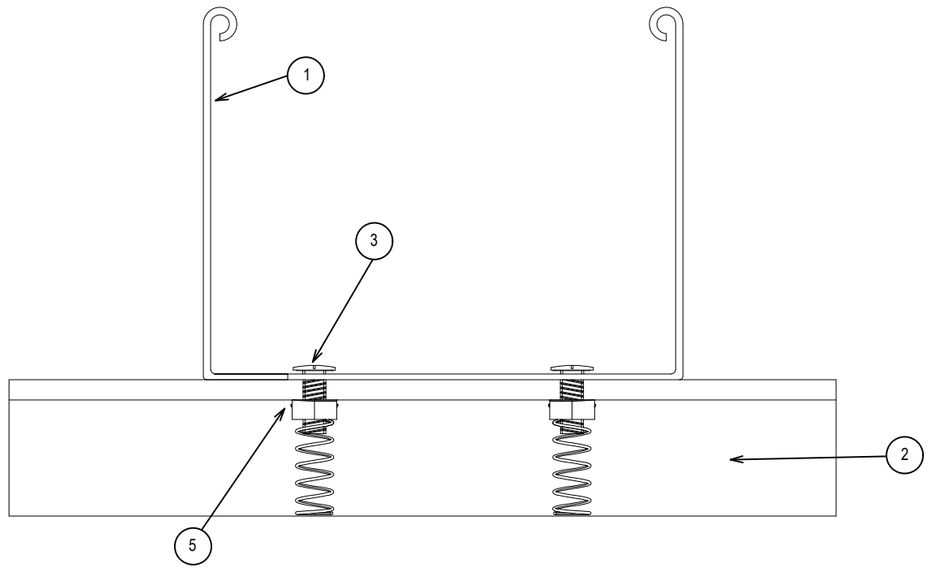


TYPICAL

TF

CABLE TRAY PERFORATED FIXING ON UNISTRUT

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE TRAY PERFORATED	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M6x20	2	
5	NUT FOR CHANNEL WITH SPRING	AISI 316L	M6x40	2	



TYPICAL

TU

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093

REV.:	DATE:	SIGNATURE:
2_F	09/01/25	G.Randi

ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE TRAY PERFORATED FIXING

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

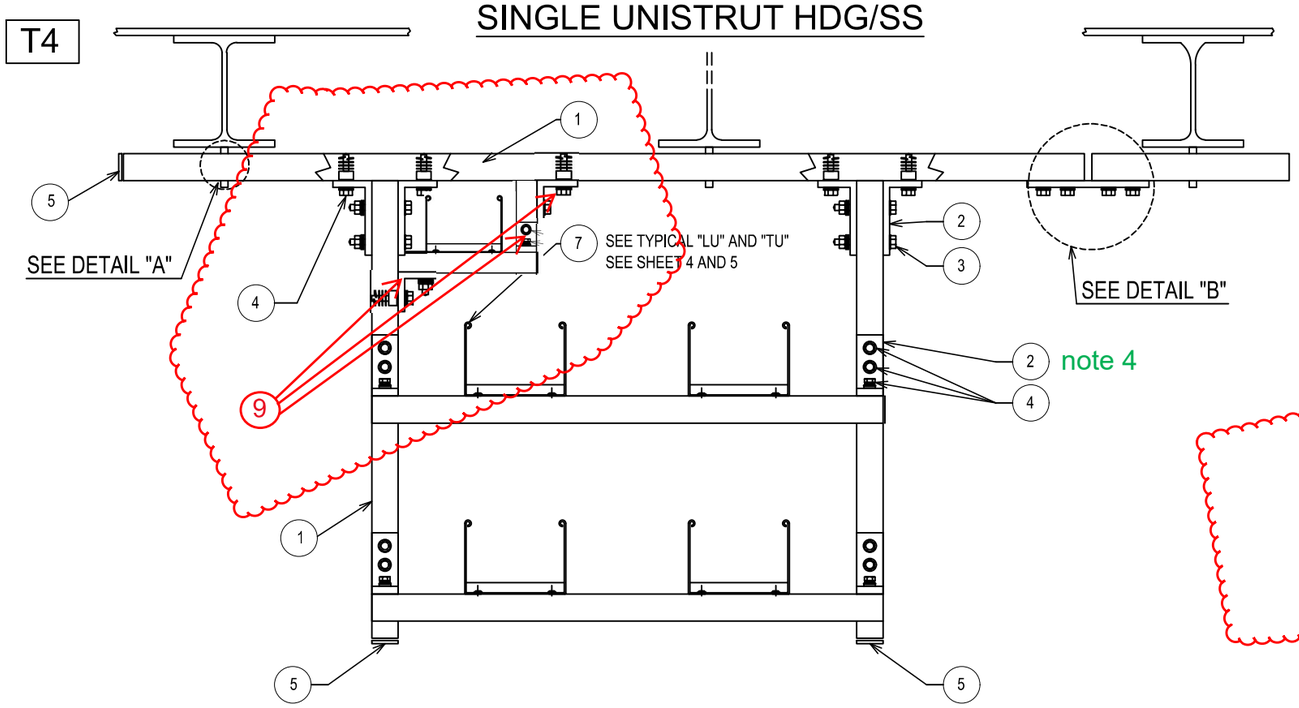
A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 005 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

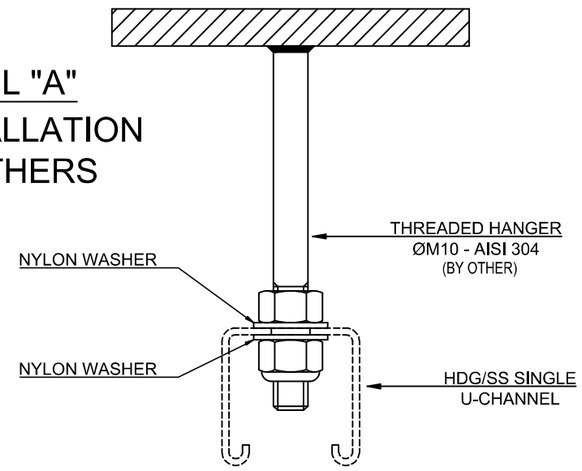
T4

SINGLE UNISTRUT HDG/SS

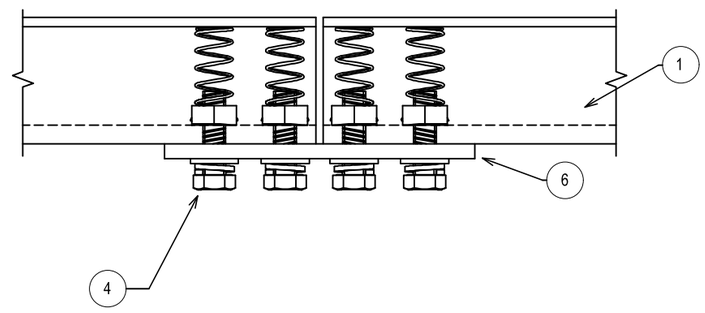


POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		NOTE 1
2	PLATE FOR ORTHOGONAL TRASVERSAL CONNECTION WITH 3 HOLES	AISI 316L		8	
3	HEXAGONAL BOLT COMPLETE WITH PLANE WASHERS, GROWER AND NUT	AISI 316L	M10x70	4	
4	HEXAGONAL BOLT COMPLETE WITH LARGE PLANE WASHER, GROWER AND NUT FOR U-CHANNEL WITH SPRING	AISI 316L	~~M10~~ M12	16	
5	PLUG FOR U-CHANNEL	LPDE		AS R	
6	CONNECTION PLATE (4 HOLES)	AISI 316L		AS R	
7	CABLE LADDER OR PERFORATED TRAY	AISI 316L			
8	DOUBLE SLOT CROWNED HEAD SCREW C/W PLANE WASHER, GROWER AND NUT FOR U-CHANNEL WITH SPRING	AISI 316L	M6x20	AS R	
9	PLATE FOR ORTHOGONAL TRASVERSAL CONNECTION WITH 2 HOLES	AISI 316L		3	

DETAIL "A"
INSTALLATION
BY OTHERS



DETAIL "B"



4) ALTERNATIVELY, USE PLATE FOR CONNECTION WITH 2 HOLES

NOTES:
1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.
2) FOR DISTANCE BETWEEN CABLE LADDERS/TRAYS, SEE SEGREGATION DISTANCES DETAIL ON SHEET 003.
3) THIS TYPICAL SHALL BE USED ONLY FOR INDOOR INSTALLATION.

TYPICAL VALID INSIDE TECHNICAL ROOMS

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20093**

REV.:	DATE:	SIGNATURE:
2_F	09/01/25	G.Randi

ROSETTI MARINO SpA

02

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE WAY FIXING TO WELDED THREADED HANGER WITH U-CHANNEL

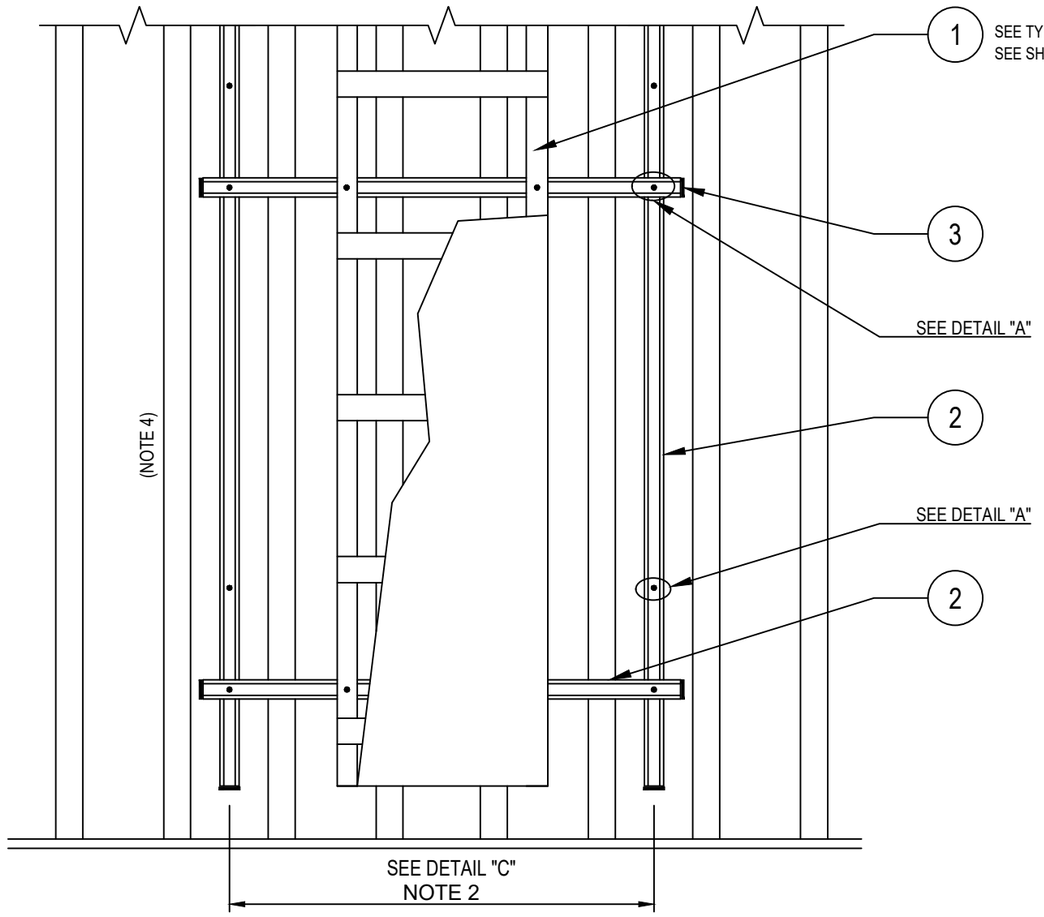
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-EL-DD-20093	009	02

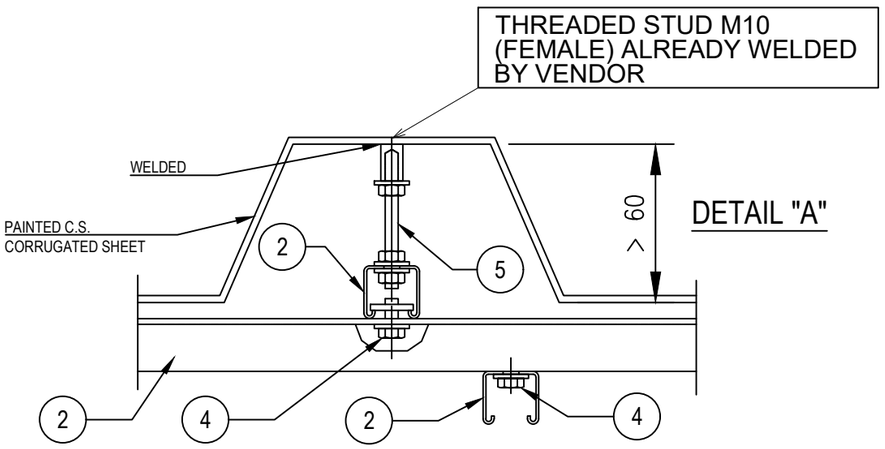
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

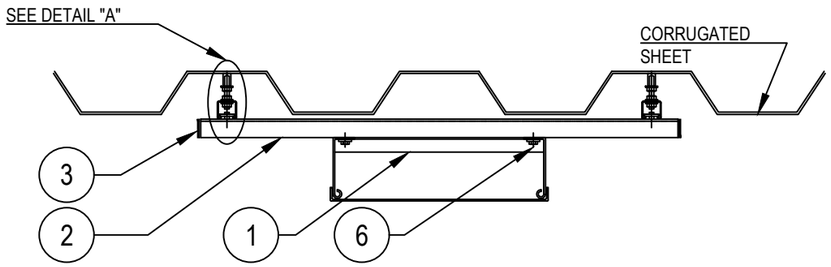
T7



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER OR PERFORATED TRAY	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED	AISI 316L	41x41x2		NOTE 1
3	PLUG FOR U-CHANNEL	LPDE			
4	HEXAGONAL BOLT COMPLETE WITH LARGE PLANE WASHER, NUT FOR U-CHANNEL WITH SPRING	AISI 316L	M10x30		
5	THREADED ROD M10 (L=110mm) COMPLETE WITH PLANE WASHER, LARGE PLANE WASHERS, SPRING WASHER AND NUTS	AISI 316L	M10x110		



DETAIL "C"



NOTES:
1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.
2) THE DISTANCE BETWEEN SUPPORTS SHALL BE DEFINED ACCORDING TO THE SIZE OF THE CABLE LADDER AND TYPE OF CORRUGATED SHEET

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20093**

REV.:	DATE:	SIGNATURE:
2_F	09/01/25	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

02

CROSSWIND

ROSETTI MARINO

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE WAY WITH NELSON STARTER ON SHELTER

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

A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 014 | REV. 02

F.to UNI A3: 420mmx297mm

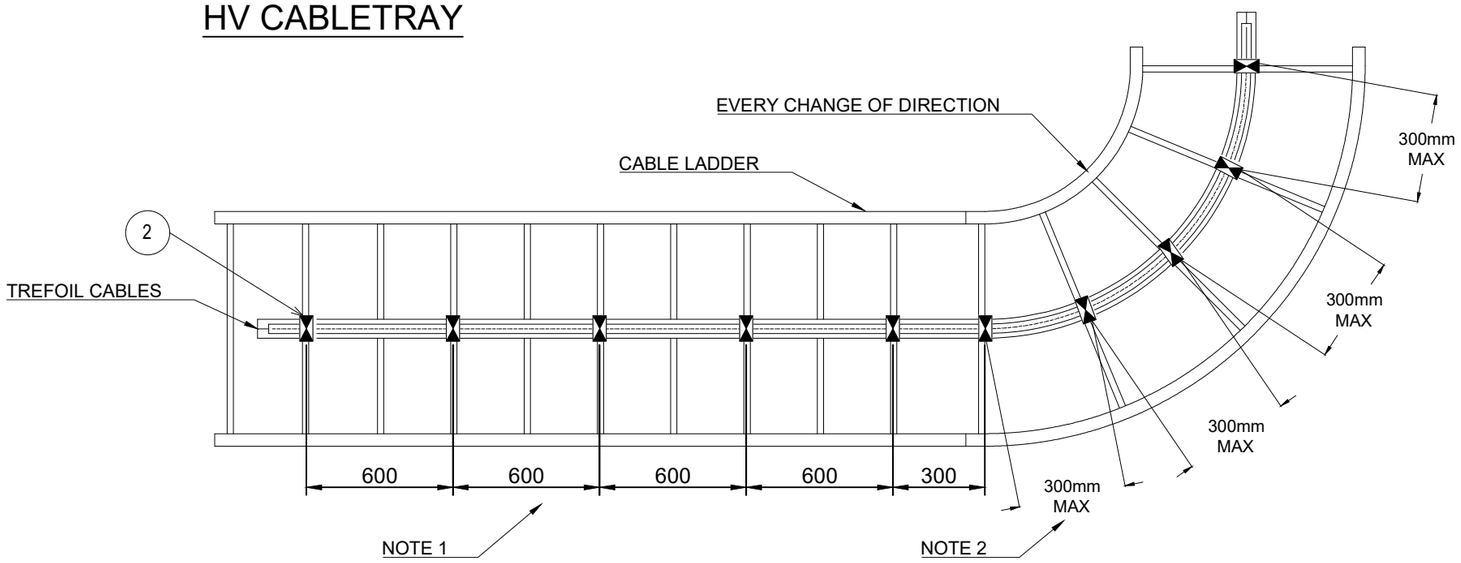
File Name : 123A90-DDL-EL-DD-20093_02.DWG

C06

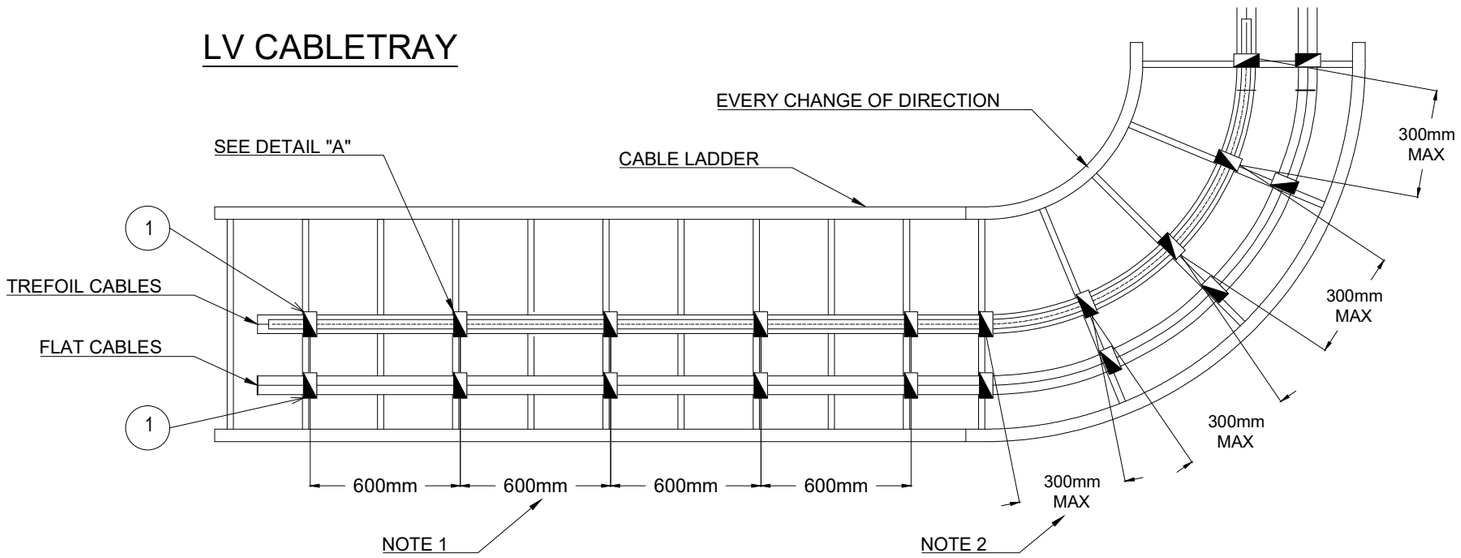
MAXIMUM CABLE TIES/CLEATS SPACING INSTALLATION DETAILS

MATERIALS		
POS.		DESCRIPTION
1		UV RESISTANT PVC CABLE TIES
2		STAINLESS STEEL DOUBLE WRAPPED CABLE CLEATS COMPLETE WITH TPE CUSHION SLEEVING

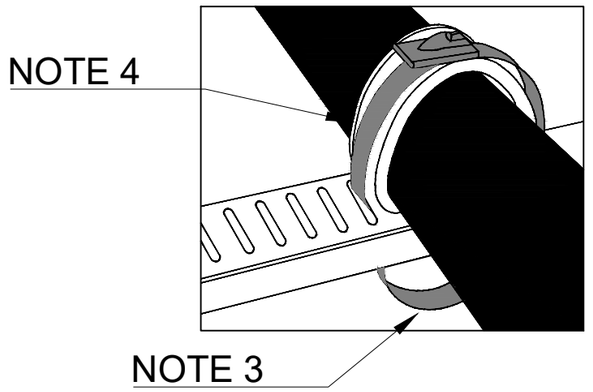
HV CABLETRAY



LV CABLETRAY



DETAIL "A" CABLE CLEATS



NOTES:

1) CABLES TIES SHALL BE HELD EVERY 600mm (CLEATS EVERY 600mm) ON HORIZONTAL RUNS.
2) CABLES SHALL BE HELD EVERY 300mm ON HORIZONTAL/VERTICAL ELBOW AND ON VERTICAL RUNS.
3) CABLE CLEATS WRAPPED TWO TIME AROUND THE CABLE RUNS.
4) TO PROTECT THE CABLE, INSTALL THE CUSHION SLEEVE BETWEEN THE CLAMP AND THE CABLE.

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20092**

REV.:	DATE:	SIGNATURE:
2_D	20/12/24	V.Ramponi

ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	28/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	04/07/24	NLK	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-POWER SYSTEM & CABLE INSTALLATION
MAXI. CABLE TIES SPACING TYPICAL INSTALLATION DETAILS CABLE FASTENING IN TRAYS/LADDER

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

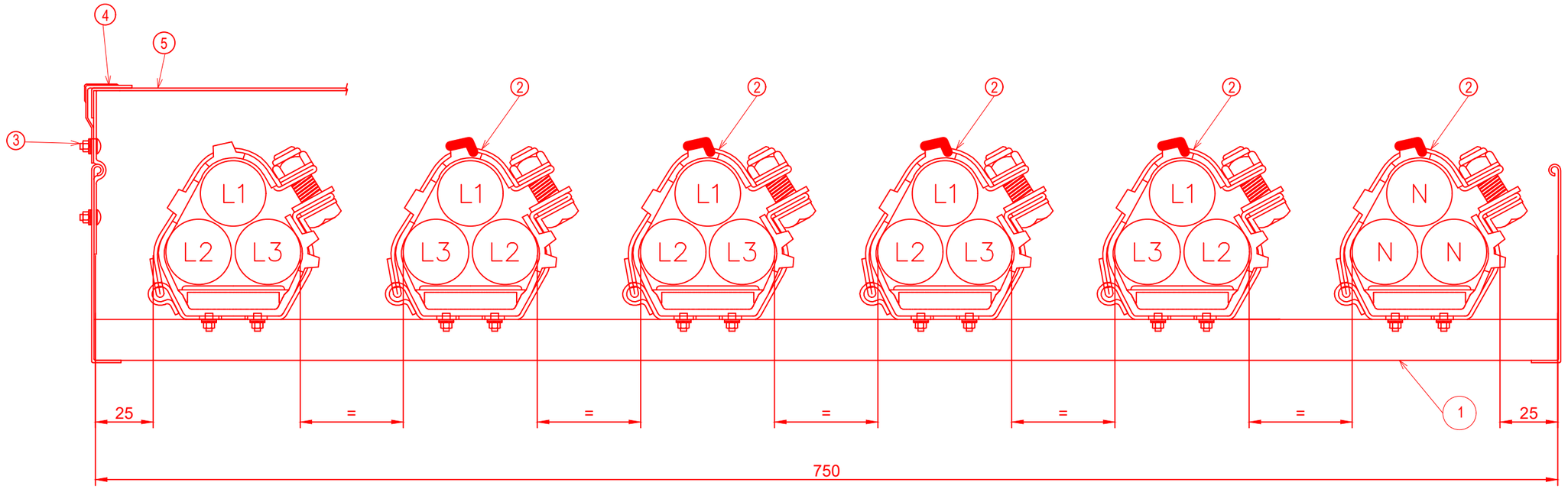
A3 | DRAWING NO. 123A90-DDL-EL-DD-20092 | SHEET 010 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20092 REV.02.DWG

C05B

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	CABLE CLEATS	AISI 316L			
3	BOLT, WASHER AND LOCK NUT	AISI 316L	M8x20		
4	COVER SPACER	AISI 316L			
5	COVER	AISI 316L			



NOTES:

1) CABLE CLEATS TO BE USED EXCLUSIVELY FOR CONNECTION WITH 1X300 mm² CABLE BETWEEN TRANSFORMER AND PMCC PANEL

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20092**

REV.:	DATE:	SIGNATURE:
2_D	20/12/24	V.Ramponi

ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	28/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	04/07/24	NLK	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-POWER SYSTEM & CABLE INSTALLATION
CABLES ARRANGEMENT IN CABLE LADDER FOR HIGH SCCR CABLES

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

A3 | DRAWING NO. 123A90-DDL-EL-DD-20092 | SHEET 011 | REV. 02

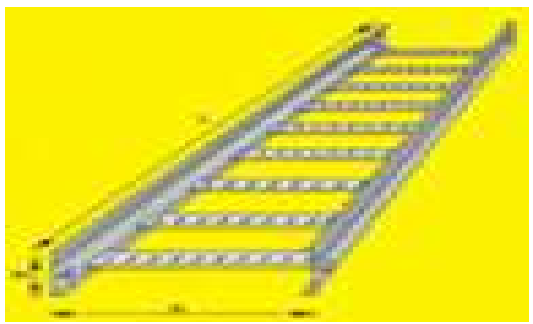
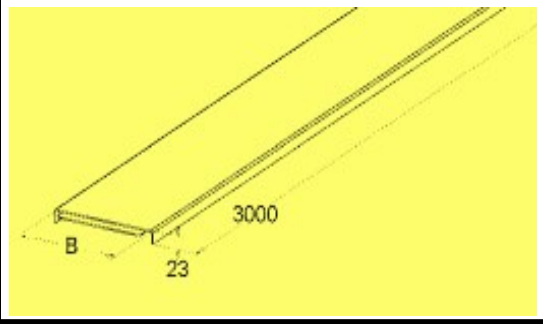
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20092 REV.03 IN PROGRESS.DWG

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 5 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALVANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

STRAIGHT ELEMENT with COVER

18	LENGTH [mm]	3000 ☑	5000 ☐	
19		4000 ☐	6000 ☐	
20	HEIGTH [mm]	50 ☐	100 ☑	
21		75 ☐	150 ☑	
22	WIDTH [mm]	50 ☐	300 ☑	600 ☑
23		100 ☐	400 ☐	750 ☑
24		150 ☑	450 ☑	
25		200 ☐	500 ☐	

QUANTITY

	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]
29	150x300	34	100x150	523		
30	STRAIGHT JOINT (1)	35	100x300	269		
31			100x450	58		
32			100x600	129		
33			100x750	43		
34			STRAIGHT JOINT (1)	850		
35						

36	CODE	REMARKS
37		(1) Complete of the bolts, nuts and washer
38		
39		
40		
41		
42		
43		
44		
45		
46		

47 **NOTES:**

48

49

50

51

52

53

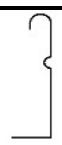
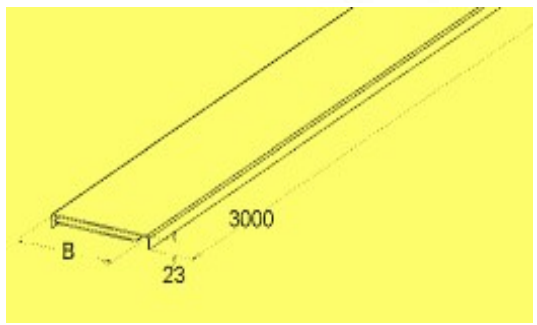
54

55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 6 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

TYPE	CABLE LADDER	☐			
	PERFORATED	☑			
	CLOSED	☐			
	FLANGE	SIMPLE ☐	BORDERED ☑		
					
MATERIAL	HOT DIP GALVANIZED STEEL	☐			
	ELECTROLYTICALLY GALVANIZED STEEL	☐			
	SENDZIMIR GALVANIZED STEEL	☐			
	STAINLESS STEEL AISI 304	☐			
	STAINLESS STEEL AISI 316	☑			
	ALLUMINIUM	☐			
	FRP / GRP for Hazardous Area	☐			

STRAIGHT ELEMENT with COVER

LENGTH [mm]	3000 ☑	5000 ☐		
	4000 ☐	6000 ☐		
HEIGTH [mm]	50 ☑	100 ☐		
	80 ☑	150 ☐		
WIDTH [mm]	50 ☑	300 ☐	600 ☐	
	100 ☐	400 ☐	750 ☐	
	150 ☐	450 ☐		
	200 ☑	500 ☐		

QUANTITY

HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]	HEIGHT x WIDTH [mm]	QUANTITY [m]
80x200	100	50x50	283		

CODE	REMARKS
	(1) Complete of the bolts, nuts and washer

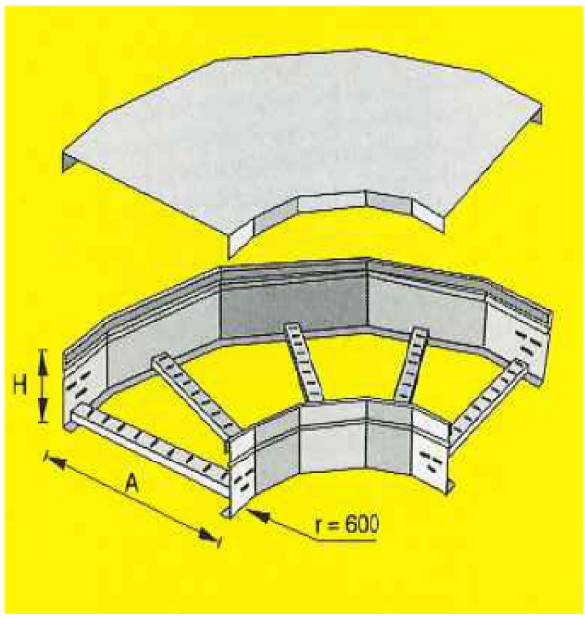
NOTES:

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 7 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER		☑	
2		PERFORATED		☐	
3		CLOSED		☐	
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL		☐	
9		ELECTROLYTICALLY GALVANIZED STEEL		☐	
10		SENDZIMIR GALCANIZED STEEL		☐	
11		STAINLESS STEEL AISI 304		☐	
12		STAINLESS STEEL AISI 316		☑	
13		ALLUMINIUM		☐	
14		FRP / GRP for Hazardous Area		☐	



15

16 17 **BEND INCLUDING COVER + FIXING CLIP**

18	BEND DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☐	100	☑		
21		75	☐	150	☑		
22	WIDTH [mm]	50	☐	300	☑	600	☑
23		100	☐	400	☐	750	☑
24		150	☑	450	☑		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☑
27		300	☑	500	☐	900	☑

28 29 **QUANTITY**

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm]		[°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm]		[°]	QUANTITY [pc]
31	H100 x W150	R300	90	29	H150 x W300	R300	90	6
32	H100 x W300	R300	90	11				
33	H100 x W450	R300	90	1				
34	H100 x W300	R600	90	6				
35	H100 x W600	R600	90	1				
36	H100 x W750	R600	90	1				
37	H100 x W600	R900	90	1				
38								
39					FIXING CLIP			224

40	CODE	REMARKS
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

51 **NOTES:**

52

53

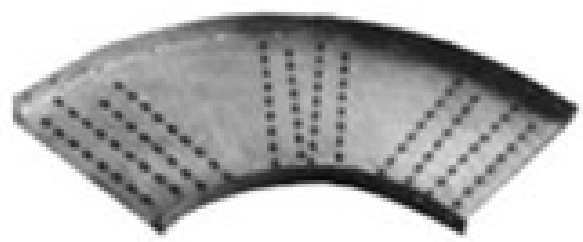
54

55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 8 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☐		
2		PERFORATED	☑		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

BEND INCLUDING COVER + FIXING CLIP

18	BEND DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☑	100	☐		
21		75	☐	150	☐		
22	WIDTH [mm]	50	☑	300	☐	600	☐
23		100	☐	400	☐	750	☐
24		150	☐	450	☐		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☐
27		300	☑	500	☐	900	☐

QUANTITY

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
31	H50 x W50 R300 90	11		
32				
33				
34				
35				
36				
37				
38				
39	FIXING CLIP	44		

40	CODE	REMARKS
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

51 **NOTES:**

52

53

54

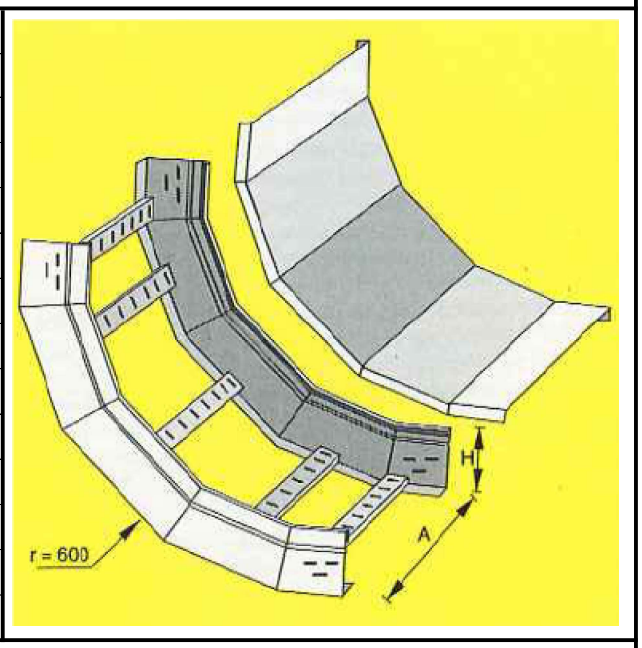
55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 9 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		



15

16 17 **INSIDE RISER INCLUDING COVER + FIXING CLIP**

18	RISER DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☐	100	☑		
21		75	☐	150	☑		
22	WIDTH [mm]	50	☐	300	☑	600	☑
23		100	☐	400	☐	750	☑
24		150	☑	450	☑		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☑
27		300	☑	500	☐	900	☑

28 29 **QUANTITY**

	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
30				
31	H100 x W150 R300 90	11	H150 x W300 R900 90	1
32	H100 x W300 R300 90	14		
33	H100 x W450 R300 90	6		
34	H100 x W150 R600 90	1		
35	H100 x W300 R600 90	6		
36	H100 x W450 R600 90	1		
37	H100 x W600 R600 90	1		
38	H100 x W750 R600 90	3		
39				
40			FIXING CLIP	176
41				

	CODE	REMARKS
42		
43		
44		
45		
46		
47		
48		
49		

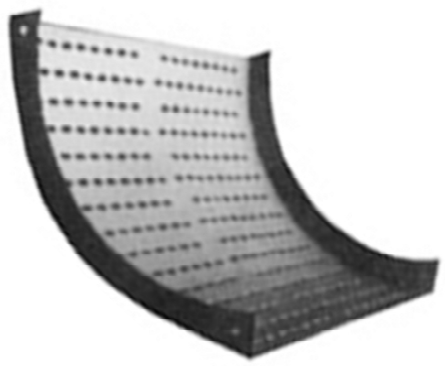
50 **NOTES:**

51
52
53
54
55
56
57

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 10 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☐		
2		PERFORATED	☑		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

INSIDE RISER INCLUDING COVER + FIXING CLIP

18	RISER DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☑	100	☐		
21		75	☐	150	☐		
22	WIDTH [mm]	50	☑	300	☐	600	☐
23		100	☐	400	☐	750	☐
24		150	☐	450	☐		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☐
27		300	☑	500	☐	900	☐

QUANTITY

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
31	H50 x W50 R300 90	19		
32				
33				
34				
35				
36				
37				
38				
39				
40	FIXING CLIP	76		
41				

42	CODE	REMARKS
43		
44		
45		
46		
47		
48		
49		

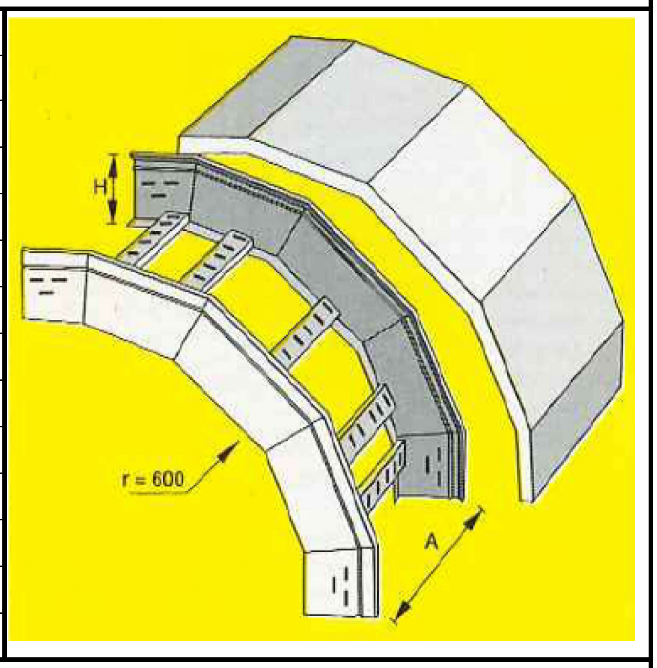
50 **NOTES:**

51
52
53
54
55
56
57

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 11 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

OUTSIDE RISER INCLUDING COVER + FIXING CLIP

18	RISER DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☐	100	☑		
21		75	☐	150	☑		
22	WIDTH [mm]	50	☐	300	☑	600	☑
23		100	☐	400	☐	750	☑
24		150	☑	450	☑		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☑
27		300	☑	500	☐	900	☑

QUANTITY

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
31	H100 x W150 R300 90	38	H150 x W300 R900 90	3
32	H100 x W300 R300 90	14		
33	H100 x W450 R300 90	11		
34	H100 x W150 R600 90	1		
35	H100 x W300 R600 90	4		
36	H100 x W450 R600 90	1		
37	H100 x W600 R600 90	1		
38	H100 x W750 R600 90	4		
39				
40				
41				
42				
43			FIXING CLIP	308

44	CODE	REMARKS
45		
46		
47		
48		
49		
50		
51	**NOTES:**	
52		
53		
54		
55		

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 12 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☐		
2		PERFORATED	☑		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

OUTSIDE RISER INCLUDING COVER + FIXING CLIP

18	RISER DEGREE	30°	☐	60°	☐		
19		45°	☐	90°	☑		
20	HEIGTH [mm]	50	☑	100	☐		
21		75	☐	150	☐		
22	WIDTH [mm]	50	☑	300	☐	600	☐
23		100	☐	400	☐	750	☐
24		150	☐	450	☐		
25		200	☐	500	☐		
26	INTERNAL RADIUS [mm]	150	☐	400	☐	600	☐
27		300	☑	500	☐	900	☐

QUANTITY

30	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]	HEIGHT x WIDTH , RADIUS , ANGLE [mm] [°]	QUANTITY [pc]
31	H50 x W50 R300 90	5		
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43	FIXING CLIP	20		

44	CODE	REMARKS
45		
46		
47		
48		
49		
50		

51 **NOTES:**

52

53

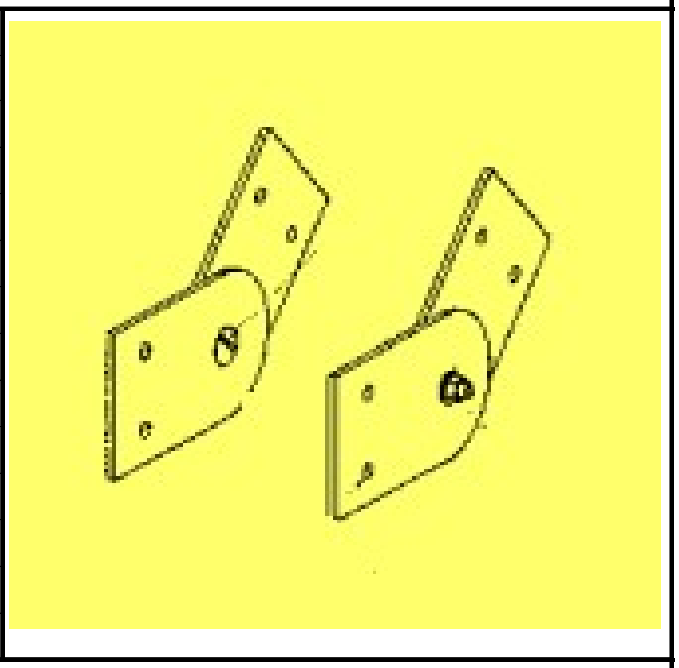
54

55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 13 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

VERTICAL HINGED JOINT (complete of bolts,nuts and washer)

18	HEIGTH [mm]	50	☐	100	☑
19		75	☐	150	☑

QUANTITY

	HEIGHT [mm]	QUANTITY [pc]
22		
23	100	125
24	150	25
25		
26		

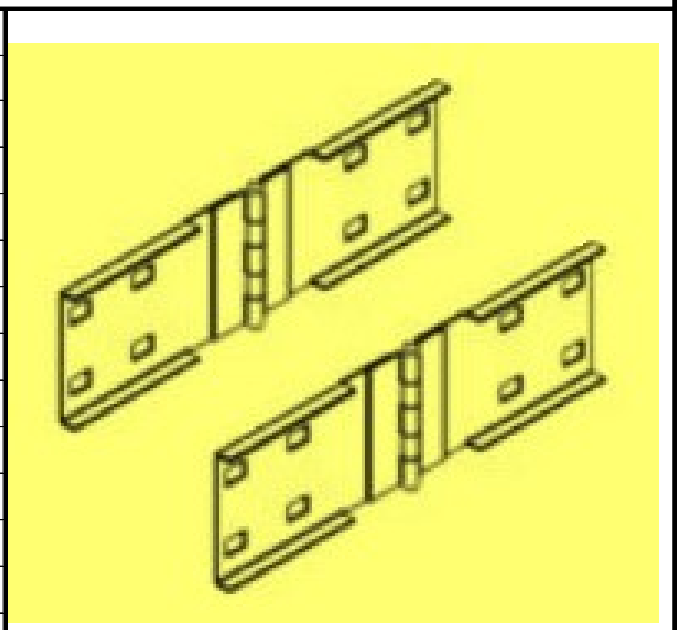
	CODE	REMARKS
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		

NOTES:

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 14 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					
16	**HORIZONTAL ADJUSTABLE JOINT (complete of bolts,nuts and washer)**				
17					
18	HEIGTH [mm]	50	☐	100 ☑	
19		75	☐	150 ☑	
20	**QUANTITY**				
21					

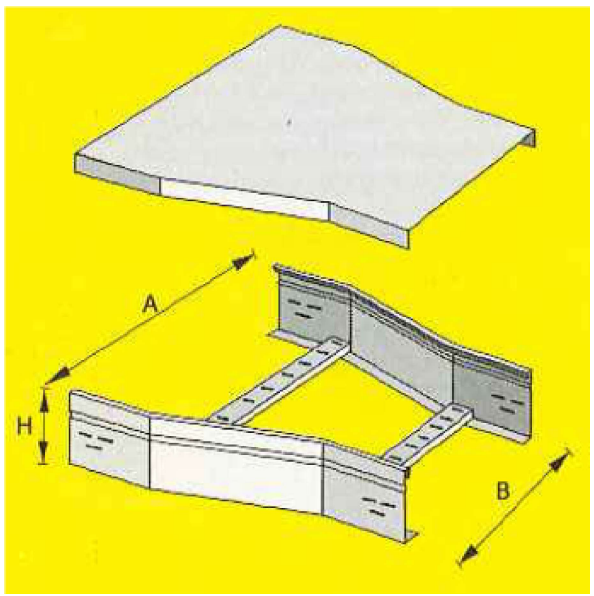
	HEIGHT [mm]	QUANTITY [pc]	
22			
23	100	50	
24	150	15	
25			
26			

27		
28		
29		
30		
31	CODE	REMARKS
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45	**NOTES:**	
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 15 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		
15					

REDUCTION ELEMENT INCLUDING COVER + FIXING CLIP

18	HEIGTH [mm]	50	☐	150	☐	
19		75	☐			
20		100	☑			
21	WIDTH [mm]	200-100	☐	600-300	☑	
22		300-200	☐	600-400	☐	
23		300-150	☑	600-500	☐	
24		450-300	☑			
25		500-300	☐			

QUANTITY

	HEIGHT / WIDTH [mm]	QUANTITY [pc]	HEIGHT / WIDTH [mm]	QUANTITY [pc]	
28					
29	H100 x W300-150	4			
30	H100 x W450-300	3			
31	H100 x W600-300	3			
32					
33					
34					
35	FIXING CLIP	40			

	CODE	REMARKS
36		
37		
38		
39		
40		
41		
42		
43		
44		

45 **NOTES:**

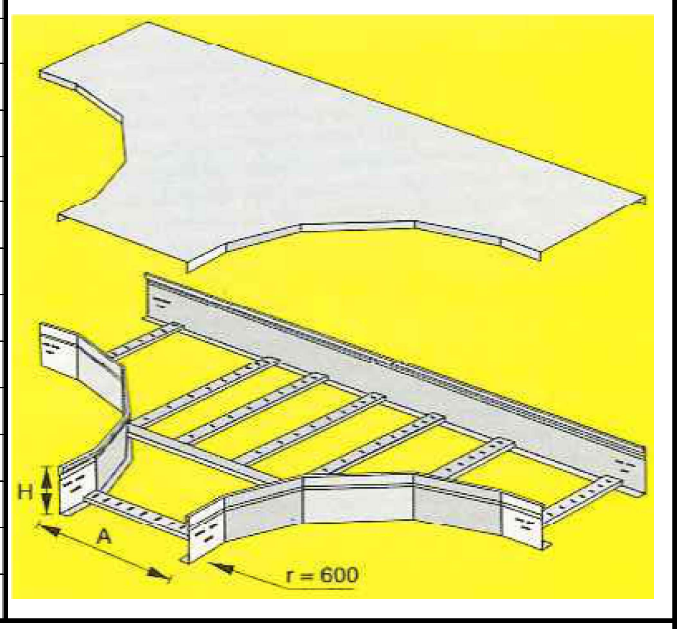
46
47
48
49
50
51
52
53
54
55

CROSSWIND	HOLLANDSE KUST NOORD WIND PARK Project Contract No. CW-I-WP4-2023-05	ROSETTI MARINO Sh: 16 of 19
Document Title:	Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories	Date: 30/09/2024 Rev.: 01

TITLE

Technical Data Sheet (TDS) for Electrical Cable Trays & Accessories

1	TYPE	CABLE LADDER	☑		
2		PERFORATED	☐		
3		CLOSED	☐		
4		FLANGE	SIMPLE ☐	BORDERED ☑	
5					
6					
7					
8	MATERIAL	HOT DIP GALVANIZED STEEL	☐		
9		ELECTROLYTICALLY GALVANIZED STEEL	☐		
10		SENDZIMIR GALCANIZED STEEL	☐		
11		STAINLESS STEEL AISI 304	☐		
12		STAINLESS STEEL AISI 316	☑		
13		ALLUMINIUM	☐		
14		FRP / GRP for Hazardous Area	☐		



15

TEE CONNECTION INCLUDING COVER + FIXING CLIP

18	INTERNAL RADIUS [mm]	300	☑	500	☐	900	☑
19		400	☐	600	☑		
20	HEIGTH [mm]	50	☐	100	☑		
21		75	☐	150	☐		
22	WIDTH [mm]	50	☐	300	☑		
23		100	☐	450	☑		
24		150	☑	600	☑		
25		200	☐	750	☑		

26
27

QUANTITY

	HEIGHT x WIDTH , RADIUS [mm]	QUANTITY [pc]
28		
29	H100 x W300 , R300	3
30	H100 x W450 , R600	3
31	H100 x W600 , R600	4
32	H100 x W150 , R900	3
33	H100 x W300 , R900	6
34	H100 x W600 , R900	3
35	H100 x W750 , R900	3
36	FIXING CLIP	150

37

	CODE	REMARKS
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		

50 **NOTES:**

51
52
53
54
55

Section 6 MECHANICAL COMPLETION STATUS INDEX - INSTRUMENTAL DISCIPLINE

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 90-04 & process: MC & discipline : I

Instrumental	90-04 I&T System Equipment Room B-400						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
CABLE_TRAY_B400_INS	Cable Tray B400 - Instrumental	ONSHORE	C10002294	CJX30A	100	2024-10-03	RFC 1
		ONSHORE	C10002295	CJX30B	100	2025-02-21	RFC 1
I-MCT-401	Multi Cable Transit	ONSHORE	C10001903	CJX29	100	2025-03-01	RFC 1
I-MCT-402	Multi Cable Transit	ONSHORE	C10001904	CJX29	100	2025-02-19	RFC 1
I-MCT-403	Multi Cable Transit	ONSHORE	C10001905	CJX29	100	2025-03-01	RFC 1

ITEM	Tag	I-MCT-401	: Multi Cable Transit		Dwg	123A90-DDL-IN-DL-40086	
	S/Sys	90-04	: I&T System Equipment Room B-400		Module	LD_B-400_Ext	
TASK	code	C10001903	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	MC	Activity CCK	Discipline Instrumental	Form	CJX29	MCT Penetration Instrument

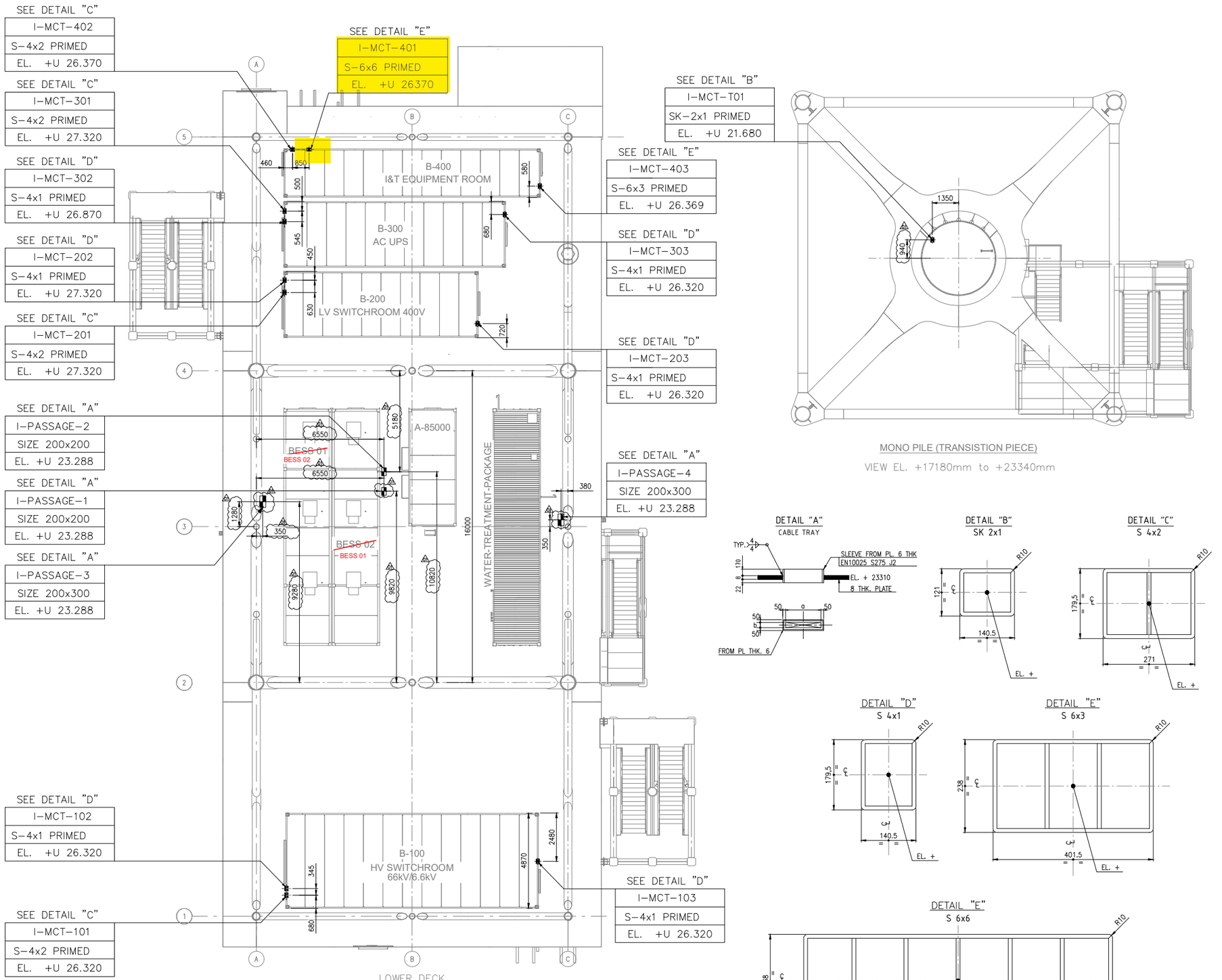
1	Check that MCT's conforms to latest project standards and specification.	OK
2	Check MCT's is installed correctly in accordance with latest layout drawings without clashes with pipe runs or other equipment.	OK
3	Check MCT's is properly tagged, on both side of penetration	OK
4	Check the cable arrangement in MCT's is conform with the latest drawing.	OK
5	Check that product marking is matching with hazardous area certification document data	OK
6	If required produce Red Line Mark Up for "AS BUILT"	

Comments: .

Page 1/1	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM(ROSETTI MARINO)	
Name	Michele Tartaglia	Paolo Schintu	
Date	2025-01-21	2025-03-01	
Signature	PROVERLIS Digitaly signed by Michele Tartaglia 2025-01-21T16:17:13.503Z	PROVERLIS Digitaly signed by Paolo Schintu 2025-03-01T08:04:45.536Z	

DRAWING NO. 123A90-DDL-IN-DL-40086

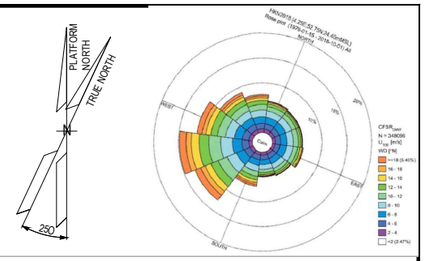
REV. 01



VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DL-40086**

REV.:	DATE:	SIGNATURE:
1_B	12/12/24	C.Pilato

ROSETTI MARINO SpA



NOTES

GENERAL NOTES:

1. ALL DIMENSIONS IN mm U.N.O
2. ALL ELEVATIONS IN METERS.
3. ALL ELEVATIONS RELATE TO LOWEST ASTRONOMICAL TIDE (LAT) = 0.000.

NOTES:

1. THIS DOCUMENT IS VALID FOR TAGGING, SIZE AND LOCATION OF THE MCT.

LEGEND

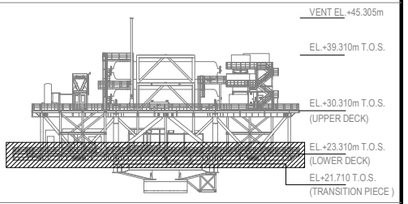
PASSAGE

MCT

TAG	TAGGING
SIZE-MATERIAL	TYPICAL
EL.	ELEVATION

HOLDS

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-IN-DL-40087	Instrument and Telecom MCT Layout - Upper Deck
123A90-DDL-PP-DL-70070	Plot Plan - Lower & Upper Deck
123A90-DDL-IN-DS-40072	TDS - Instrument and Telecom MCTs
123A90-DDL-IN-DD-40074	MCT Composition

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	28/06/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	24/04/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

INSTRUMENT AND TELECOM MCT LAYOUT-LOWER DECK
TOS EL. +23.310M

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:100
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 24/04/24

A1	DRAWING NO. 123A90-DDL-IN-DL-40086	SHEET 001	REV. 01

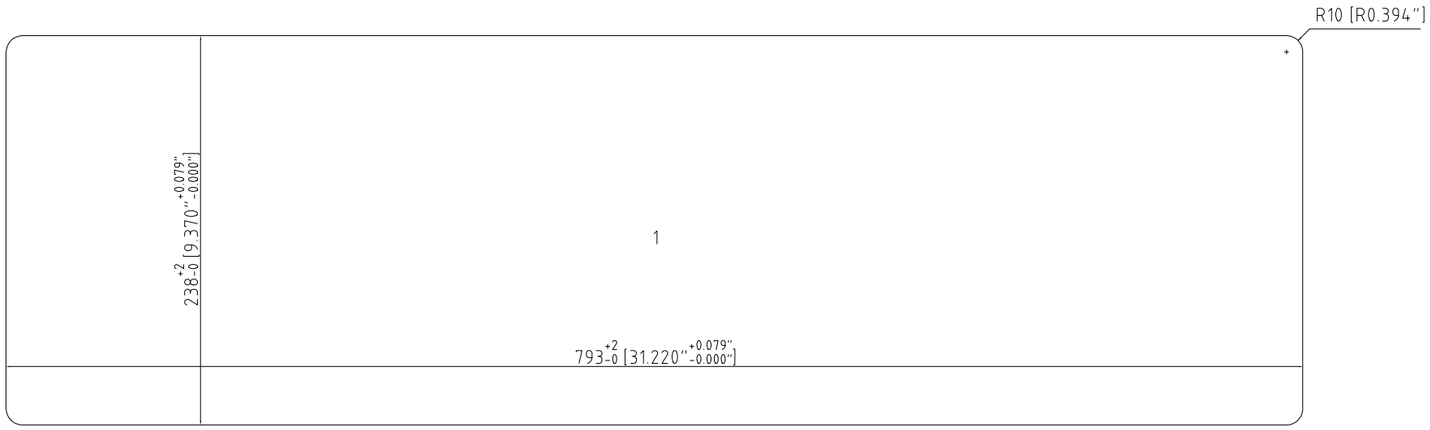
File Name : 123A90-DDL-IN-DL-40086 REV01.dwg

RTD Version No: 4.37.11.0

Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

烙克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。



Cutout Detail

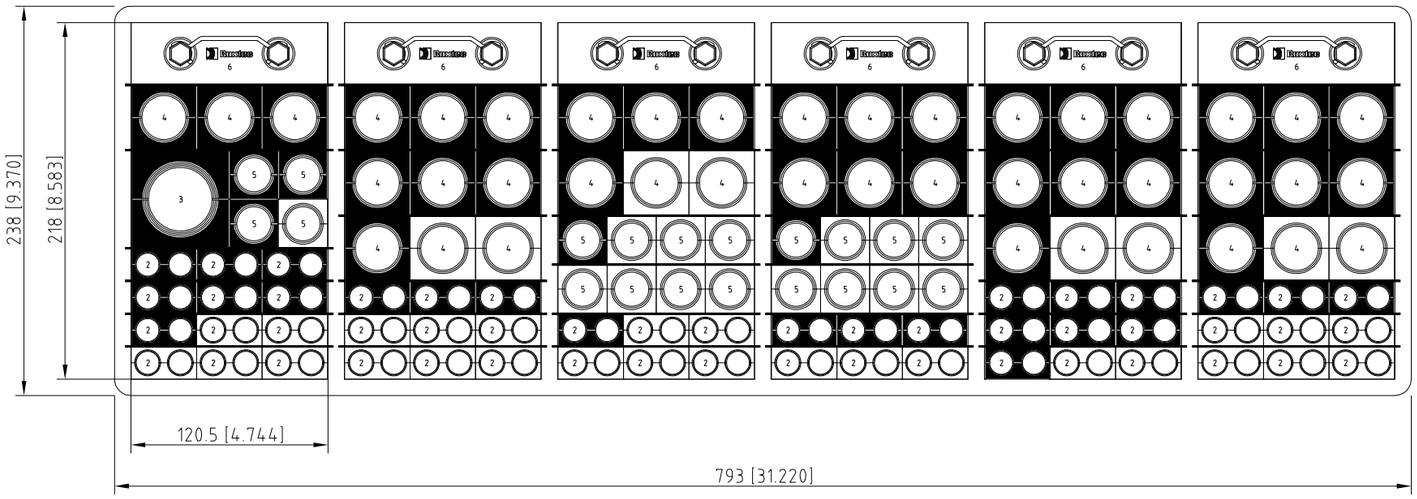
Frame: S 6x6 PRIMED Solution: 1

Item	Qty	Roxtec Packing Material mm ["]	Roxtec Art No	Weight Kg [lb]

Responsible: Rosetti Marino	Created Date: 2024-05-29	Modify Date: 2024-09-30	Project: Base Load Power Hub (BLPH) Location/ Sublocation	TotWeight: 34.7 [76.43]
Roxtec	Format: NTS		Transit name: I-MCT-401	Sheet No: 1/5
	Client		Drawing number: 123A90-DDL-IN-DD-40074	Rev: 01

RTD Version No: 4.37.11.0

CUTOUT TO FIT SOLUTION WELDING, 793x238 [31.220"x9.370"]



MODULE WITH PIPE | MODULE WITH CABLE | SPARE MODULE | SOLID MODULE

Detail Drawing

Solution: 1

I-MCT-401 - B-400 ITER

Item	Qty	Roxtec Packing Material mm ["]	Roxtec Art No	Weight Kg [lb]
7	36	Stayplate 120 galv	ASP0001200018	0.1 [0.24]
6	6	Wedge 120 galv	ARW0001201018	0.8 [1.76]
5	20	RM 30 10-25 [0.394"-0.984"]	RM00100301000	0.1 [0.18]
4	42	RM 40 21.5-34.5 [0.846"-1.358"]	RM00100401000	0.1 [0.31]
3	1	RM 60 WOC 28-54 [1.102"-2.126"]	RM00000601000	0.3 [0.57]
2	51	RM 20W40 3.5-16.5 [0.138"-0.650"]	RM00120401000	0.1 [0.15]
1	1	S 6x6 PRIMED	S006000000612	14.6 [32.19]

Responsible: Rosetti Marino	Created Date: 2024-05-29	Modify Date: 2024-09-30	Project: Base Load Power Hub (BLPH) Location/ Sublocation	TotWeight: 34.7 [76.43]
Roxtec	Format: NTS		Transit name: I-MCT-401	Sheet No: 2/5
	Client		Drawing number: 123A90-DDL-IN-DD-40074	Rev: 01

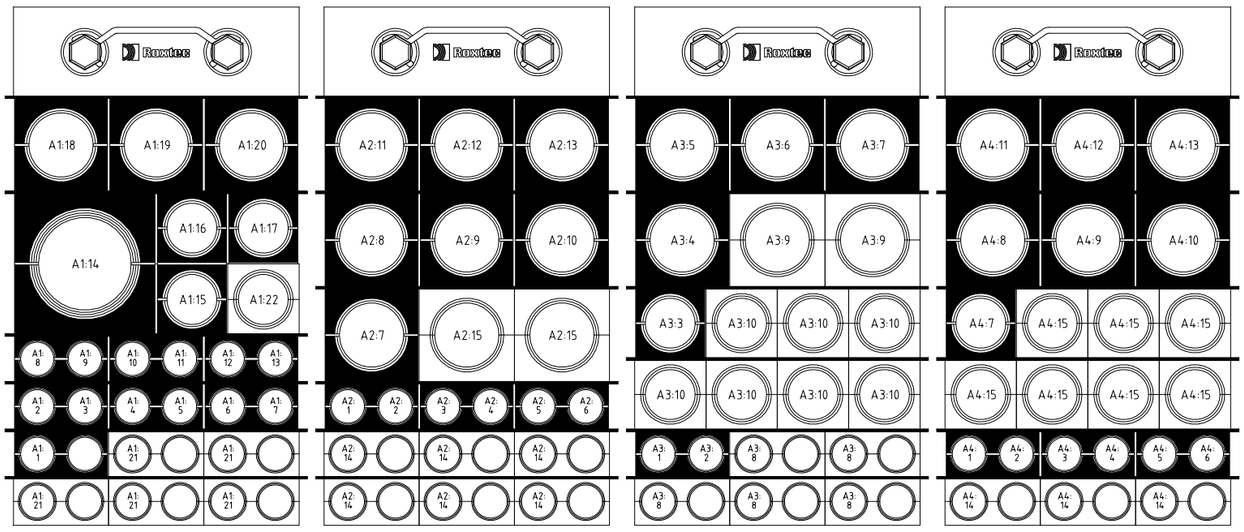
Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

烙克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

A1 | A2 | A3 | A4 | A5 | A6

A1 A2 A3 A4



OPENING TABLE CONTINUE ON THE NEXT PAGE

A4:5	56	C-NC-200F2/B400-FGS-002.02	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A4:4	75	C-77-XA-002/B400-SIS-001	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A4:3	74	C-77-XS-002/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A4:2	77	C-77-XA-003/B400-SIS-001	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A4:1	76	C-77-XS-003/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A3:10						RM 30 10-25 [0.394"-0.984"]
A3:9						RM 40 21.5-34.5 [0.846"-1.358"]
A3:8						RM 20W40 3.5-16.5 [0.138"-0.650"]
A3:7	9	00-JE-12006_2/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:6	8	00-JE-12006_1/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:5	3	00-JE-11004/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:4	58	B100-HSB-001/B400-FGS-002	6x2x0.75 mm2	Ex-d	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:3	4	00-JE-11005/B400-PCS-002	6x2x0.75 mm2	Ex-d	19.4 [0.764"]	RM 30 10-25 [0.394"-0.984"]
A3:2	17	C-63-PT-004/B400-SIS-001	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A3:1	12	C-63-PT-003/B400-PCS-002	1x2x0.75 mm2	Ex-d	9.5 [0.374"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:15						RM 40 21.5-34.5 [0.846"-1.358"]
A2:14						RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:13	22	950-JE-01102/B400-FGS-002	6x3x2.5 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:12	18	950-JE-01101/B400-FGS-002	6x3x2.5 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:11	21	950-JE-06101/B400-FGS-002	6x3x2.5 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:10	57	950-JE-06201/B400-FGS-002	6x3x2.5 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:9	27	950-JE-01104/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:8	24	950-JE-01103/B400-FGS-002	6x2x0.75 mm2	Ex-d	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:7	59	950-JE-06203/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:6	60	C-950-MFA-06201/B400-FGS-002	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:5	80	C-B100-TIR-001/B400-PCS-002	2x2x0.75 mm2	Ex-d	15.2 [0.598"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:4	79	C-B100-TDC-002/B400-PCS-002	1x2x0.75 mm2	Ex-d	9.5 [0.374"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:3	78	C-B100-TDC-001/B400-PCS-002	1x2x0.75 mm2	Ex-d	9.5 [0.374"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:2	73	C-77-XA-001/B400-SIS-001	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:1	72	C-77-XS-001/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:22						RM 30 10-25 [0.394"-0.984"]
A1:21						RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:20	29	950-JE-05103/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 40 21.5-34.5 [0.846"-1.358"]
A1:19	28	950-JE-04103/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 40 21.5-34.5 [0.846"-1.358"]
A1:18	19	950-JE-04101/B400-FGS-002	6x3x2.5 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A1:17	32	P320PLC/B400-FGS-002	2x2x0.75 mm2	Ex-d	19.3 [0.760"]	RM 30 10-25 [0.394"-0.984"]
A1:16	31	P320PLC/B400-SIS-001	2x2x0.75 mm2	Ex-d	19.3 [0.760"]	RM 30 10-25 [0.394"-0.984"]
A1:15	35	20-UCP-001/B400-FGS-002	2x2x0.75 mm2	Ex-d	19.3 [0.760"]	RM 30 10-25 [0.394"-0.984"]
A1:14	20	950-JE-05101/B400-FGS-002	12x3x2.5 mm2	Ex-d	43.7 [1.720"]	RM 60 WOC 28-54 [1.102"-2.126"]
A1:13	34	C-20-XA-003/B400-SIS-001	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:12	33	C-20-XS-001/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:11	39	C-64-XA-003/B400-SIS-001	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:10	38	C-64-XS-001/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:9	37	C-63-XA-003/B400-SIS-001	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:8	36	C-63-XS-001/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:7	45	C-UP-200F1/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:6	44	C-CB-200F1/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:5	43	C-SG-100D1-003/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:4	42	C-SG-100D1-002/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:3	41	C-SG-100D1-001/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:2	40	C-CP-100E1/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:1	30	C-85-XS-001/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
Pos	Cable ID	Name	Cable Type	Cable Category	OD (mm/ ["])	Module Type



Responsible: Rosetti Marino	Created Date: 2024-05-29	Modify Date: 2024-09-30	Project: Base Load Power Hub (BLPH)	TotWeight: 34.7 [76.43]
Roxtec	Format: NTS		Location/ Sublocation	Sheet No: 3/5
	Client		Transit name: I-MCT-401	
			Drawing number: 123A90-DDL-IN-DD-40074	Rev: 01

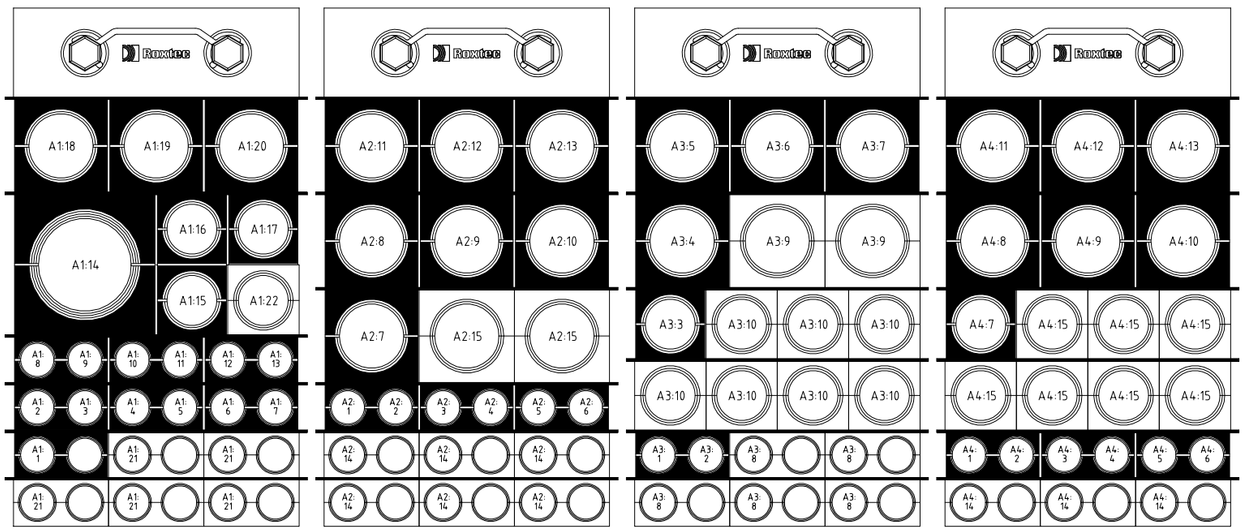
Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

洛克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

A1 | A2 | A3 | A4 | A5 | A6

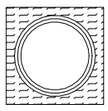
A1 A2 A3 A4



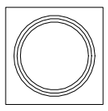
Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

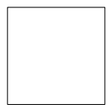
All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.
洛克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

Pos	Cable ID	Name	Cable Type	Cable Category	OD (mm/ ["])	Module Type
A4:15						RM 30 10-25 [0.394"-0.984"]
A4:14						RM 20W40 3.5-16.5 [0.138"-0.650"]
A4:13	5	00-JE-12004_1/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A4:12	2	00-JE-11003_2/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A4:11	1	00-JE-11003_1/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A4:10	15	00-JE-22002_2/B400-SIS-001	12x2x0.75 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A4:9	14	00-JE-22002_1/B400-SIS-001	12x2x0.75 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A4:8	13	00-JE-21002/B400-SIS-001	6x2x0.75 mm2	Ex-d	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A4:7	11	00-JE-13003/B400-PCS-002	12x2.5 mm2	Ex-d	20.8 [0.819"]	RM 30 10-25 [0.394"-0.984"]
A4:6	53	C-UP-200F4/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]


MODULE WITH PIPE


MODULE WITH CABLE

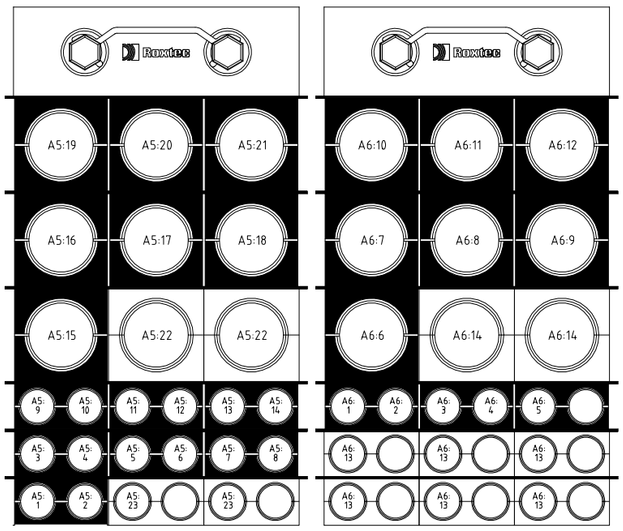

SPARE MODULE


SOLID MODULE

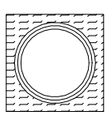
Responsible: Rosetti Marino	Created Date: 2024-05-29	Modify Date: 2024-09-30	Project: Base Load Power Hub (BLPH)		TotWeight: 34.7 [76.43]
Roxtec	Format: NTS		Location/ Sublocation	Transit name: I-MCT-401	Sheet No: 4/5
	Client		Drawing number: 123A90-DDL-IN-DD-40074		Rev: 01

A1 | A2 | A3 | A4 | A5 | A6

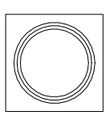
A5 A6

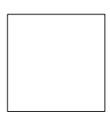


A6:14						RM 40 21.5-34.5 [0.846"-1.358"]
A6:13						RM 20W40 3.5-16.5 [0.138"-0.650"]
A6:12	65	950-JE-04205/B400-FGS-002	6x3x2.5 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A6:11	63	950-JE-04203/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 40 21.5-34.5 [0.846"-1.358"]
A6:10	61	950-JE-04201/B400-FGS-002	6x3x2.5 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A6:9	25	950-JE-04102/B400-FGS-002	6x2x0.75 mm2	Ex-d	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A6:8	23	950-JE-02103/B400-FGS-002	6x3x2.5 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A6:7	67	950-JE-04207/B400-FGS-002	24x2.5 mm2	Ex-d	32.8 [1.291"]	RM 40 21.5-34.5 [0.846"-1.358"]
A6:6	26	950-JE-05102/B400-FGS-002	6x2x0.75 mm2	Ex-d	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A6:5	71	C-950-GDZ-04203/B400-FGS-002	3x2.5 mm2	Ex-d	14.7 [0.579"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A6:4	64	C-950-MFA-04203/B400-FGS-002	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A6:3	68	C-950-MFA-04202/B400-FGS-002	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A6:2	70	C-950-GDZ-04202/B400-FGS-002	3x2.5 mm2	Ex-d	14.7 [0.579"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A6:1	69	C-950-GDZ-04201/B400-FGS-002	3x2.5 mm2	Ex-d	14.7 [0.579"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:23						RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:22						RM 40 21.5-34.5 [0.846"-1.358"]
A5:21	10	00-JE-13002/B400-PCS-002	24x2.5 mm2	Ex-d	27.8 [1.094"]	RM 40 21.5-34.5 [0.846"-1.358"]
A5:20	7	00-JE-12005/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A5:19	6	00-JE-12004_2/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A5:18	66	B300-HSB-001/B400-FGS-002	6x2x0.75 mm2	Ex-d	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A5:17	62	B200-HSB-001/B400-FGS-002	6x2x0.75 mm2	Ex-d	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A5:16	16	00-JE-23002/B400-SIS-001	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 40 21.5-34.5 [0.846"-1.358"]
A5:15	48	UP-200F3/B400-SIS-001	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 40 21.5-34.5 [0.846"-1.358"]
A5:14	86	C-B300-TIR-001/B400-PCS-002	2x2x0.75 mm2	Ex-d	15.2 [0.598"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:13	83	C-B200-TIR-001/B400-PCS-002	2x2x0.75 mm2	Ex-d	15.2 [0.598"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:12	85	C-B300-TDC-002/B400-PCS-002	1x2x0.75 mm2	Ex-d	9.5 [0.374"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:11	84	C-B300-TDC-001/B400-PCS-002	1x2x0.75 mm2	Ex-d	9.5 [0.374"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:10	82	C-B200-TDC-002/B400-PCS-002	1x2x0.75 mm2	Ex-d	9.5 [0.374"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:9	81	C-B200-TDC-001/B400-PCS-002	1x2x0.75 mm2	Ex-d	9.5 [0.374"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:8	52	C-CB-200F4B/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:7	51	C-CB-200F4A/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:6	50	C-CB-200F3B/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:5	49	C-CB-200F3A/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:4	47	C-SG-200N1-002/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:3	46	C-SG-200N1-001/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:2	55	C-NC-200F2/B400-FGS-002.01	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A5:1	54	C-NC-200F2/B400-SIS-001	1x2x0.75 mm2	Ex-d	12.5 [0.492"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
Pos	Cable ID	Name	Cable Type	Cable Category	OD (mm/ ["])	Module Type


MODULE WITH PIPE


MODULE WITH CABLE


SPARE MODULE

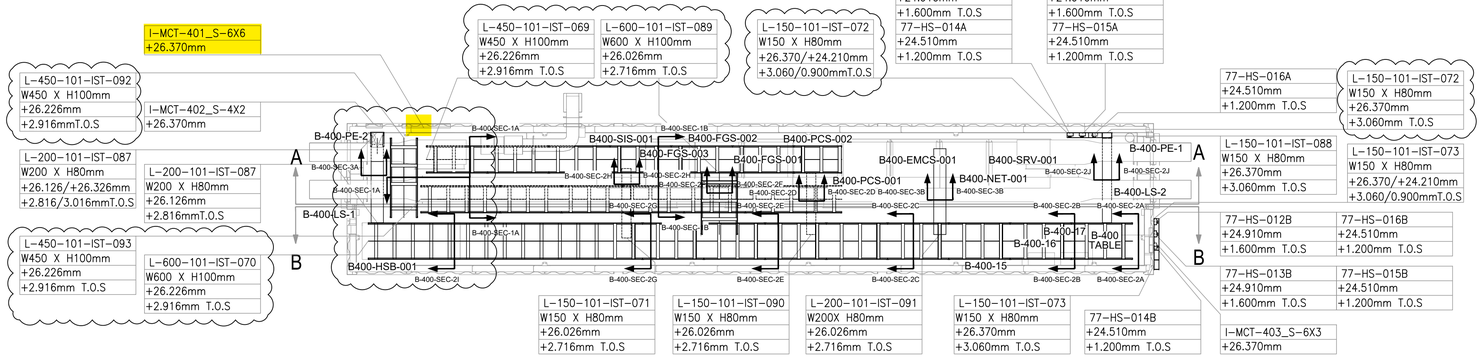

SOLID MODULE

Responsible: Rosetti Marino	Created Date: 2024-05-29	Modify Date: 2024-09-30	Project: Base Load Power Hub (BLPH) Location/ Sublocation	TotWeight: 34.7 [76.43]
Roxtec	Format: NTS		Transit name: I-MCT-401	Sheet No: 5/5
	Client		Drawing number: 123A90-DDL-IN-DD-40074	Rev: 01

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.
Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.
烙克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

DRAWING NO. 123A90-DDL-IN-DL-40116

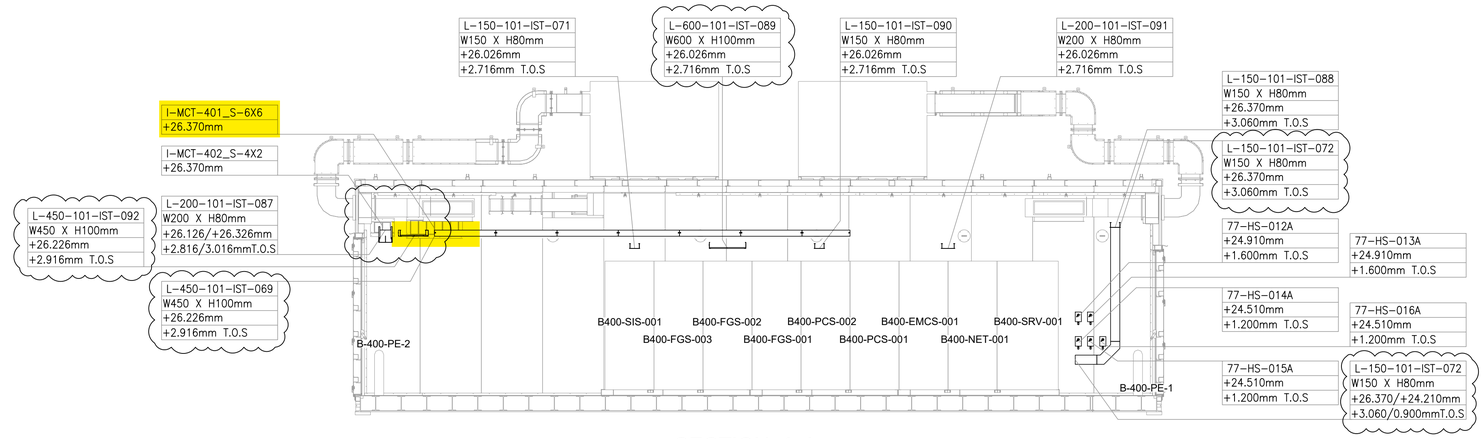
REV. 01



PLAN VIEW

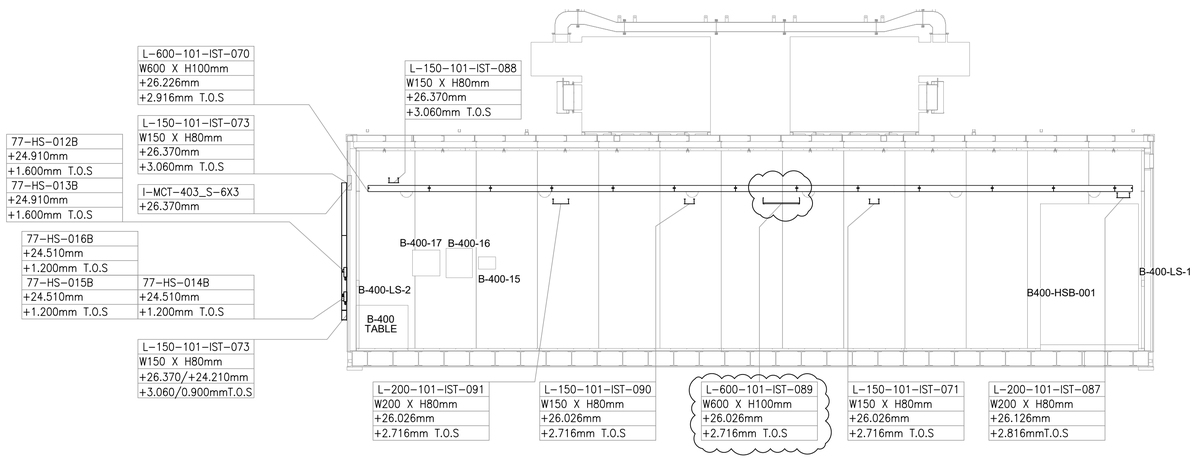
B-400 – I&T EQUIPMENT ROOM

SCALE-1:1



SECTION A-A

SCALE-1:1



SECTION B-B

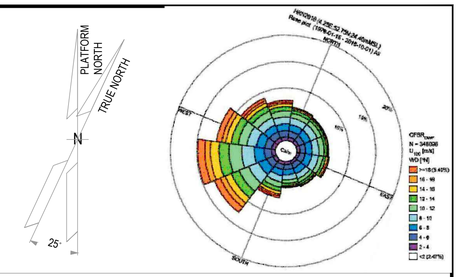
SCALE-1:1

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA



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 CONTAINER CABLE TRAY LAYOUT.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-IN-DL-40081	INSTRUMENT LAYOUT - UPPER DECK
123A90-DDL-IN-LIS-40091	INSTRUMENT CABLE LIST
123A90-DDL-IN-DG-40015	INSTRUMENT-CCS WIRING DIAGRAMS
123A90-DDL-IN-DG-40016	INSTRUMENT-SAFETY SYSTEM WIRING DIAGRAMS
123A90-DDL-IN-DL-40083	INSTRUMENT MAIN CABLES ROUTING-LOWER DECK

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE	1:50
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 04/10/24

A1	DRAWING NO. 123A90-DDL-IN-DL-40116	SHEET 001	REV. 01

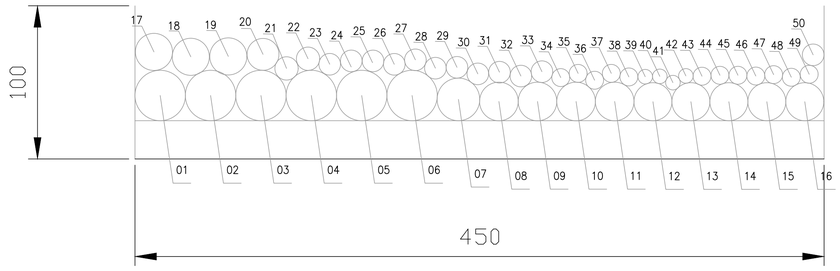
File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

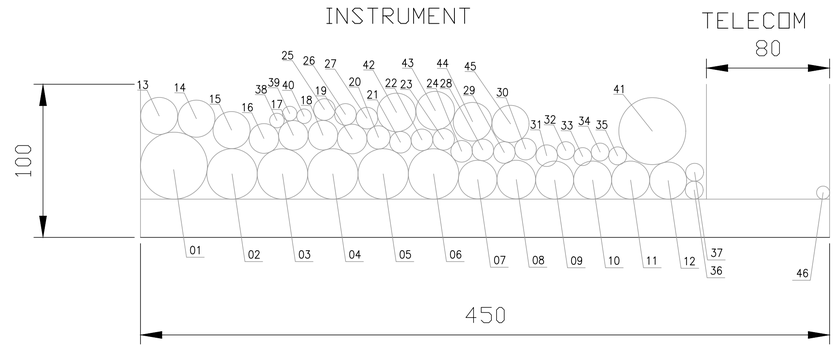
<01>

B-400-SEC-1A-L-450-101-IST-093



B-400-SEC-1A-L-450-101-IST-093				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-04201/B400-FGS-002	950-JE-04201	B400-FGS-002	6x3x2,5 mm2
2	950-JE-04205/B400-FGS-002	950-JE-04205	B400-FGS-002	6x3x2,5 mm2
3	950-JE-02103/B400-FGS-002	950-JE-02103	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21002/B400-SIS-001	00-JE-21002	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22002_1/B400-SIS-001	00-JE-22002_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22002_2/B400-SIS-001	00-JE-22002_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13002/B400-PCS-002	00-JE-13002	B400-PCS-002	24x2,5 mm2
8	950-JE-04102/B400-FGS-002	950-JE-04102	B400-FGS-002	6x2x0,75 mm2
9	950-JE-05102/B400-FGS-002	950-JE-05102	B400-FGS-002	6x2x0,75 mm2
10	B200-HSB-001/B400-FGS-002	950-JE-04202	B400-FGS-002	6x2x0,75 mm2
11	B300-HSB-001/B400-FGS-002	950-JE-04206	B400-FGS-002	6x2x0,75 mm2
12	00-JE-11003_1/B400-PCS-002	00-JE-11003_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-11003_2/B400-PCS-002	00-JE-11003_2	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12004_1/B400-PCS-002	00-JE-12004_1	B400-PCS-002	12x2x0,75 mm2
15	00-JE-12004_2/B400-PCS-002	00-JE-12004_2	B400-PCS-002	12x2x0,75 mm2
16	00-JE-12005/B400-PCS-002	00-JE-12005	B400-PCS-002	12x2x0,75 mm2
17	00-JE-23002/B400-SIS-001	00-JE-23002	B400-SIS-001	12x2,5 mm2
18	UP-200F3/B400-SIS-001	UP-200F3	B400-SIS-001	12x2,5 mm2
19	950-JE-04207/B400-FGS-002	950-JE-04207	B400-FGS-002	12x2,5 mm2
20	00-JE-13003/B400-PCS-002	00-JE-13003	B400-PCS-002	12x2,5 mm2
21	C-B200-TIR-001/B400-PCS-002	B200-TIR-001	B400-PCS-002	2x2x0,75 mm2
22	C-B300-TIR-001/B400-PCS-002	B300-TIR-001	B400-PCS-002	2x2x0,75 mm2
23	C-77-XS-002/B400-SIS-001	77-XS-002	B400-SIS-001	2x2,5 mm2
24	C-77-XS-003/B400-SIS-001	77-XS-003	B400-SIS-001	2x2,5 mm2
25	C-SG-200N1-001/B400-SIS-001	SG-200N1-001	B400-SIS-001	2x2,5 mm2
26	C-SG-200N1-002/B400-SIS-001	SG-200N1-002	B400-SIS-001	2x2,5 mm2
27	C-CB-200F3A/B400-SIS-001	CB-200F3A	B400-SIS-001	2x2,5 mm2
28	C-CB-200F3B/B400-SIS-001	CB-200F3B	B400-SIS-001	2x2,5 mm2
29	C-CB-200F4A/B400-SIS-001	CB-200F4A	B400-SIS-001	2x2,5 mm2
30	C-CB-200F4B/B400-SIS-001	CB-200F4B	B400-SIS-001	2x2,5 mm2
31	C-UP-200F4/B400-SIS-001	UP-200F4	B400-SIS-001	2x2,5 mm2
32	C-NC-200F2/B400-FGS-002.01	N200F2	B400-FGS-002.01	1x2x0.75 mm2
33	C-NC-200F2/B400-FGS-002.02	N200F2	B400-FGS-002.02	2x2,5 mm2
34	C-NC-200F2/B400-SIS-001	N200F2	B400-SIS-001	2x2,5 mm2
35	C-77-XA-002/B400-SIS-001	77-XA-002	B400-SIS-001	1x2x0,75 mm2
36	C-77-XA-003/B400-SIS-001	77-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-04203/B400-FGS-002	950-MFA-04203	B400-FGS-002	1x2x0,75 mm2
38	C-950-MFA-04202/B400-FGS-002	950-MFA-04202	B400-FGS-002	1x2x0,75 mm2
39	C-B200-TDC-001/B400-PCS-002	B200-TD001	B400-PCS-002	1x2x0,75 mm2
40	C-B200-TDC-002/B400-PCS-002	B200-TD002	B400-PCS-002	1x2x0,75 mm2
41	C-B300-TDC-001/B400-PCS-002	B300-TD001	B400-PCS-002	1x2x0,75 mm2
42	C-B300-TDC-002/B400-PCS-002	B300-TD002	B400-PCS-002	1x2x0,75 mm2
43	C-950-SDZ-04201/B400-FGS-002	950-SDZ-04201	B400-FGS-002	1x2x0.75 mm2
44	C-950-SDZ-04202/B400-FGS-002	950-SDZ-04202	B400-FGS-002	1x2x0.75 mm2
45	C-950-SDZ-04203/B400-FGS-002	950-SDZ-04203	B400-FGS-002	1x2x0.75 mm2
46	C-950-GDZ-04201/B400-FGS-002	950-GDZ-04201	B400-FGS-002	1x2x0.75 mm2
47	C-950-GDZ-04202/B400-FGS-002	950-GDZ-04202	B400-FGS-002	1x2x0.75 mm2
48	C-950-GDZ-04203/B400-FGS-002	950-GDZ-04203	B400-FGS-002	1x2x0.75 mm2
49	C-77-ZSL-016/B400-FGS-002	77-ZSL-016	B400-FGS-002	1x2x0.75 mm2
50	C-77-HY-016/77-HS-016A	77-HY-016	77-HS-016A	2x2,5 mm2

B-400-SEC-1A-L-450-101-IST-069



B-400-SEC-1A-L-450-101-IST-069				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-05101/B400-FGS-002	950-JE-05101	B400-FGS-002	12x3x2,5 mm2
2	950-JE-01101/B400-FGS-002	950-JE-01101	B400-FGS-002	6x3x2,5 mm2
3	950-JE-04101/B400-FGS-002	950-JE-04101	B400-FGS-002	6x3x2,5 mm2
4	950-JE-06101/B400-FGS-002	950-JE-06101	B400-FGS-002	6x3x2,5 mm2
5	950-JE-06201/B400-FGS-002	950-JE-06201	B400-FGS-002	6x3x2,5 mm2
6	950-JE-01102/B400-FGS-002	950-JE-01102	B400-FGS-002	6x3x2,5 mm2
7	B100-HSB-001/B400-FGS-002	950-JE-06202	B400-FGS-002	6x2x0,75 mm2
8	950-JE-01103/B400-FGS-002	950-JE-01103	B400-FGS-002	6x2x0,75 mm2
9	00-JE-11004/B400-PCS-002	00-JE-11004	B400-PCS-002	12x2x0,75 mm2
10	00-JE-12006_1/B400-PCS-002	00-JE-12006_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-12006_2/B400-PCS-002	00-JE-12006_2	B400-PCS-002	12x2x0,75 mm2
12	950-JE-01104/B400-FGS-002	950-JE-01104	B400-FGS-002	12x2,5 mm2
13	950-JE-04103/B400-FGS-002	950-JE-04103	B400-FGS-002	12x2,5 mm2
14	950-JE-05103/B400-FGS-002	950-JE-05103	B400-FGS-002	12x2,5 mm2
15	950-JE-06203/B400-FGS-002	950-JE-06203	B400-FGS-002	12x2,5 mm2
16	00-JE-11005/B400-PCS-002	00-JE-11005	B400-PCS-002	6x2x0,75 mm2
17	20-UCP-001/B400-FGS-002	20-UCP-001	B400-FGS-002	2x2x0,75 mm2
18	P320PLC/B400-FGS-002	P320 PLC	B400-FGS-002	2x2x0,75 mm2
19	P320PLC/B400-SIS-001	P320 PLC	B400-SIS-001	2x2x0,75 mm2
20	C-B100-TIR-001/B400-PCS-002	B100-TIR-001	B400-PCS-002	2x2x0,75 mm2
21	C-85-XS-001/B400-SIS-001	85-XS-001	B400-SIS-001	2x2,5 mm2
22	C-20-XS-001/B400-SIS-001	20-XS-001	B400-SIS-001	2x2,5 mm2
23	C-63-XS-001/B400-SIS-001	63-XS-001	B400-SIS-001	2x2,5 mm2
24	C-64-XS-001/B400-SIS-001	64-XS-001	B400-SIS-001	2x2,5 mm2
25	C-77-XS-001/B400-SIS-001	77-XS-001	B400-SIS-001	2x2,5 mm2
26	C-CP-100E1/B400-SIS-001	CP-100E1	B400-SIS-001	2x2,5 mm2
27	C-SG-100D1-001/B400-SIS-001	SG-100D1-001	B400-SIS-001	2x2,5 mm2
28	C-SG-100D1-002/B400-SIS-001	SG-100D1-002	B400-SIS-001	2x2,5 mm2
29	C-SG-100D1-003/B400-SIS-001	SG-100D1-003	B400-SIS-001	2x2,5 mm2
30	C-CB-200F1/B400-SIS-001	CB-200F1	B400-SIS-001	2x2,5 mm2
31	C-UP-200F1/B400-SIS-001	UP-200F1	B400-SIS-001	2x2,5 mm2
32	C-77-XA-001/B400-SIS-001	77-XA-001	B400-SIS-001	1x2x0,75 mm2
33	C-63-PT-004/B400-SIS-001	63-PT-004	B400-SIS-001	1x2x0,75 mm2
34	C-20-XA-003/B400-SIS-001	20-XA-003	B400-SIS-001	1x2x0,75 mm2
35	C-63-XA-003/B400-SIS-001	63-XA-003	B400-SIS-001	1x2x0,75 mm2
36	C-64-XA-003/B400-SIS-001	64-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-06201/B400-FGS-002	950-MFA-06201	B400-FGS-002	1x2x0,75 mm2
38	C-63-PT-003/B400-PCS-002	63-PT-003	B400-PCS-002	1x2x0,75 mm2
39	C-B100-TDC-001/B400-PCS-002	B100-TDC001	B400-PCS-002	1x2x0,75 mm2
40	C-B100-TDC-002/B400-PCS-002	B100-TDC002	B400-PCS-002	1x2x0,75 mm2
41	950-JE-03101/B400-FGS-002	950-JE-03101	B400-FGS-002	12x3x2,5 mm2
42	950-JE-06204/B400-FGS-002	950-JE-06204	B400-FGS-002	6x2x0,75 mm2
43	950-JE-04204/B400-FGS-002	950-JE-04204	B400-FGS-002	6x2x0,75 mm2
44	950-JE-04208/B400-FGS-002	950-JE-04208	B400-FGS-002	6x2x0,75 mm2
45	950-JE-04203/B400-FGS-002	950-JE-04203	B400-FGS-002	12x2,5 mm2
46	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
47	C-GPSANT/B400-NET-001	C-GPSANT	B400-NET-001	STD-VENDOR

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 002 | REV. 01

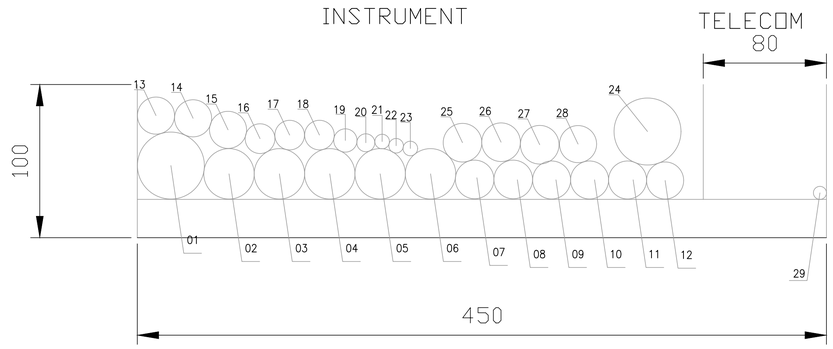
File Name : 123A90-DDL-IN-DL-40116 REV:01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

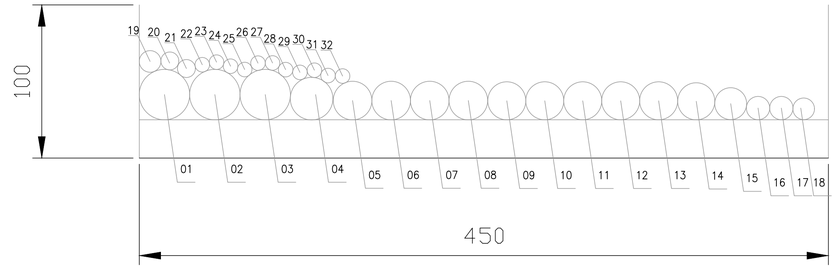
<01>

B-400-SEC-1B-L-450-101-IST-069



B-400-SEC-1B-L-450-101-IST-069				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-05101/B400-FGS-002	950-JE-05101	B400-FGS-002	12x3x2,5 mm2
2	950-JE-01101/B400-FGS-002	950-JE-01101	B400-FGS-002	6x3x2,5 mm2
3	950-JE-04101/B400-FGS-002	950-JE-04101	B400-FGS-002	6x3x2,5 mm2
4	950-JE-06101/B400-FGS-002	950-JE-06101	B400-FGS-002	6x3x2,5 mm2
5	950-JE-06201/B400-FGS-002	950-JE-06201	B400-FGS-002	6x3x2,5 mm2
6	950-JE-01102/B400-FGS-002	950-JE-01102	B400-FGS-002	6x3x2,5 mm2
7	B100-HSB-001/B400-FGS-002	950-JE-06202	B400-FGS-002	6x2x0,75 mm2
8	950-JE-01103/B400-FGS-002	950-JE-01103	B400-FGS-002	6x2x0,75 mm2
9	00-JE-11004/B400-PCS-002	00-JE-11004	B400-PCS-002	12x2x0,75 mm2
10	00-JE-12006_1/B400-PCS-002	00-JE-12006_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-12006_2/B400-PCS-002	00-JE-12006_2	B400-PCS-002	12x2x0,75 mm2
12	950-JE-01104/B400-FGS-002	950-JE-01104	B400-FGS-002	12x2,5 mm2
13	950-JE-04103/B400-FGS-002	950-JE-04103	B400-FGS-002	12x2,5 mm2
14	950-JE-05103/B400-FGS-002	950-JE-05103	B400-FGS-002	12x2,5 mm2
15	950-JE-06203/B400-FGS-002	950-JE-06203	B400-FGS-002	12x2,5 mm2
16	00-JE-11005/B400-PCS-002	00-JE-11005	B400-PCS-002	6x2x0,75 mm2
17	20-UCP-001/B400-FGS-002	20-UCP-001	B400-FGS-002	2x2x0.75 mm2
18	P320PLC/B400-FGS-002	P320 PLC	B400-FGS-002	2x2x0,75 mm2
19	C-B100-TIR-001/B400-PCS-002	B100-TIR-001	B400-PCS-002	2x2x0,75 mm2
20	C-950-MFA-06201/B400-FGS-002	950-MFA-06201	B400-FGS-002	1x2x0,75 mm2
21	C-63-PT-003/B400-PCS-002	63-PT-003	B400-PCS-002	1x2x0,75 mm2
22	C-B100-TDC-001/B400-PCS-002	B100-TDC001	B400-PCS-002	1x2x0,75 mm2
23	C-B100-TDC-002/B400-PCS-002	B100-TDC002	B400-PCS-002	1x2x0,75 mm2
24	950-JE-03101/B400-FGS-002	950-JE-03101	B400-FGS-002	12x3x2.5 mm2
25	950-JE-06204/B400-FGS-002	950-JE-06204	B400-FGS-002	6x2x0,75 mm2
26	950-JE-04204/B400-FGS-002	950-JE-04204	B400-FGS-002	6x2x0,75 mm2
27	950-JE-04208/B400-FGS-002	950-JE-04208	B400-FGS-002	6x2x0,75 mm2
28	950-JE-04203/B400-FGS-002	950-JE-04203	B400-FGS-002	12x2.5 mm2
29	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
30	C-GPSANT/B400-NET-001	C-GPSANT	B400-NET-001	STD-VENDOR

B-400-SEC-1B-L-450-101-IST-093



B-400-SEC-1B-L-450-101-IST-093				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-04201/B400-FGS-002	950-JE-04201	B400-FGS-002	6x3x2,5 mm2
2	950-JE-04205/B400-FGS-002	950-JE-04205	B400-FGS-002	6x3x2,5 mm2
3	950-JE-02103/B400-FGS-002	950-JE-02103	B400-FGS-002	6x3x2,5 mm2
4	00-JE-13002/B400-PCS-002	00-JE-13002	B400-PCS-002	24x2,5 mm2
5	950-JE-04102/B400-FGS-002	950-JE-04102	B400-FGS-002	6x2x0,75 mm2
6	950-JE-05102/B400-FGS-002	950-JE-05102	B400-FGS-002	6x2x0,75 mm2
7	B200-HSB-001/B400-FGS-002	950-JE-04202	B400-FGS-002	6x2x0,75 mm2
8	B300-HSB-001/B400-FGS-002	950-JE-04206	B400-FGS-002	6x2x0,75 mm2
9	00-JE-11003_1/B400-PCS-002	00-JE-11003_1	B400-PCS-002	12x2x0,75 mm2
10	00-JE-11003_2/B400-PCS-002	00-JE-11003_2	B400-PCS-002	12x2x0,75 mm2
11	00-JE-12004_1/B400-PCS-002	00-JE-12004_1	B400-PCS-002	12x2x0,75 mm2
12	00-JE-12004_2/B400-PCS-002	00-JE-12004_2	B400-PCS-002	12x2x0,75 mm2
13	00-JE-12005/B400-PCS-002	00-JE-12005	B400-PCS-002	12x2x0,75 mm2
14	950-JE-04207/B400-FGS-002	950-JE-04207	B400-FGS-002	12x2,5 mm2
15	00-JE-13003/B400-PCS-002	00-JE-13003	B400-PCS-002	12x2,5 mm2
16	C-B200-TIR-001/B400-PCS-002	B200-TIR-001	B400-PCS-002	2x2x0,75 mm2
17	C-B300-TIR-001/B400-PCS-002	B300-TIR-001	B400-PCS-002	2x2x0,75 mm2
18	C-NC-200F2/B400-FGS-002.01	N200F2	B400-FGS-002.01	1x2x0.75 mm2
19	C-NC-200F2/B400-FGS-002.02	N200F2	B400-FGS-002.02	2x2.5 mm2
20	C-950-MFA-04203/B400-FGS-002	950-MFA-04203	B400-FGS-002	1x2x0,75 mm2
21	C-950-MFA-04202/B400-FGS-002	950-MFA-04202	B400-FGS-002	1x2x0,75 mm2
22	C-B200-TDC-001/B400-PCS-002	B200-TD001	B400-PCS-002	1x2x0,75 mm2
23	C-B200-TDC-002/B400-PCS-002	B200-TD002	B400-PCS-002	1x2x0,75 mm2
24	C-B300-TDC-001/B400-PCS-002	B300-TD001	B400-PCS-002	1x2x0,75 mm2
25	C-B300-TDC-002/B400-PCS-002	B300-TD002	B400-PCS-002	1x2x0,75 mm2
26	C-950-SDZ-04201/B400-FGS-002	950-SDZ-04201	B400-FGS-002	1x2x0.75 mm2
27	C-950-SDZ-04202/B400-FGS-002	950-SDZ-04202	B400-FGS-002	1x2x0.75 mm2
28	C-950-SDZ-04203/B400-FGS-002	950-SDZ-04203	B400-FGS-002	1x2x0.75 mm2
29	C-950-GDZ-04201/B400-FGS-002	950-GDZ-04201	B400-FGS-002	1x2x0.75 mm2
30	C-950-GDZ-04202/B400-FGS-002	950-GDZ-04202	B400-FGS-002	1x2x0.75 mm2
31	C-950-GDZ-04203/B400-FGS-002	950-GDZ-04203	B400-FGS-002	1x2x0.75 mm2
32	C-77-ZSL-016/B400-FGS-002	77-ZSL-016	B400-FGS-002	1x2x0.75 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

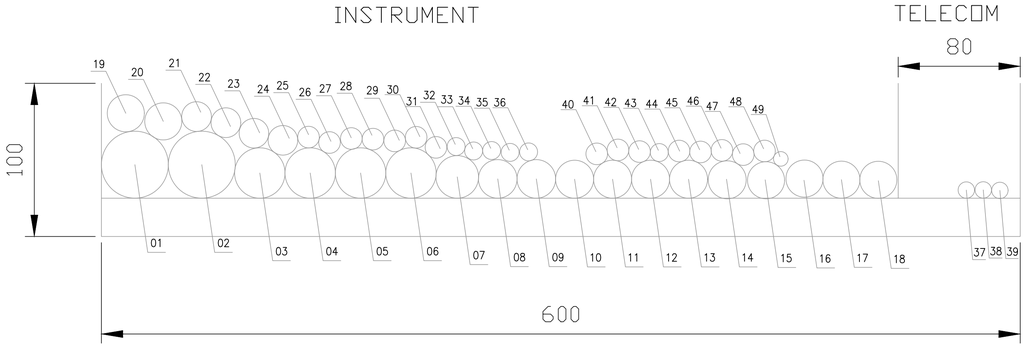
A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 003 | REV. 01

File Name : 123A90-DDL-IN-DL-40116 REV01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

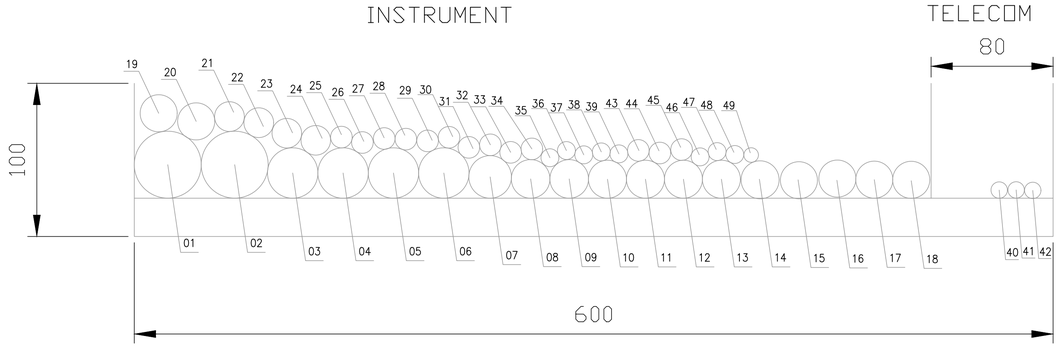
B-400-SEC-2A-L-600-101-IST-070



B-400-SEC-2A-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13001/B400-PCS-002	00-JE-13001	B400-PCS-002	24x2,5 mm2
8	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
9	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
10	00-JE-11001_1/B400-PCS-002	00-JE-11001_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-11001_2/B400-PCS-002	00-JE-11001_2	B400-PCS-002	12x2x0,75 mm2
12	00-JE-11002/B400-PCS-002	00-JE-11002_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-12001_1/B400-PCS-002	00-JE-12001_1	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12001_2/B400-PCS-002	00-JE-12001_2	B400-PCS-002	12x2x0,75 mm2
15	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
16	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
17	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
18	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
19	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
20	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
21	00-JE-12002/B400-PCS-002	00-JE-12002	B400-PCS-002	6x2x0,75 mm2
22	00-JE-12003/B400-PCS-002	00-JE-12003	B400-PCS-002	6x2x0,75 mm2
23	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0,75 mm2
24	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
25	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
26	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
27	C-77-HS-012A/77-HS-012B	77-HS-012A	77-HS-012B	2x2,5 mm2
28	C-77-HS-013A/77-HS-013B	77-HS-013A	77-HS-013B	2x2,5 mm2
29	C-77-HS-014A/77-HS-014B	77-HS-014A	77-HS-015B	2x2,5 mm2
30	C-77-HS-015A/77-HS-015B	77-HS-015A	77-HS-015B	2x2,5 mm2
31	C-77-HS-016A/77-HS-016B	77-HS-016A	77-HS-016B	2x2,5 mm2
32	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
33	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
34	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
35	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
36	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
37	80-UCP-001/B400-NET-001.01	80-UCP-001	B400-NET-001.01	CAT.6A 4x2xAWG23
38	80-UCP-001/B400-NET-001.02	80-UCP-001	B400-NET-001.02	CAT.6A 4x2xAWG23
39	50-LP-001/B400-NET-001	50-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
40	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2,5 mm2
41	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2,5 mm2
42	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2,5 mm2
43	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0,75 mm2
44	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2,5 mm2
45	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2,5 mm2
46	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2,5 mm2
47	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2,5 mm2
48	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2,5 mm2
49	C-B400-TDC-001/B400-PCS-002	B400-TDC-001	B400-PCS-002	1x2x0,75 mm2

B-400-SEC-2B-L-600-101-IST-070

<01>



B-400-SEC-2B-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13001/B400-PCS-002	00-JE-13001	B400-PCS-002	24x2,5 mm2
8	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
9	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
10	00-JE-11001_1/B400-PCS-002	00-JE-11001_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-11001_2/B400-PCS-002	00-JE-11001_2	B400-PCS-002	12x2x0,75 mm2
12	00-JE-11002/B400-PCS-002	00-JE-11002_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-12001_1/B400-PCS-002	00-JE-12001_1	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12001_2/B400-PCS-002	00-JE-12001_2	B400-PCS-002	12x2x0,75 mm2
15	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
16	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
17	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
18	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
19	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
20	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
21	00-JE-12002/B400-PCS-002	00-JE-12002	B400-PCS-002	6x2x0,75 mm2
22	00-JE-12003/B400-PCS-002	00-JE-12003	B400-PCS-002	6x2x0,75 mm2
23	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0,75 mm2
24	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
25	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
26	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
27	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2,5 mm2
28	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
29	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2,5 mm2
30	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
31	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2,5 mm2
32	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2,5 mm2
33	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2,5 mm2
34	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2,5 mm2
35	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
36	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
38	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
39	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
40	80-UCP-001/B400-NET-001.01	80-UCP-001	B400-NET-001.01	CAT.6A 4x2xAWG23
41	80-UCP-001/B400-NET-001.02	80-UCP-001	B400-NET-001.02	CAT.6A 4x2xAWG23
42	50-LP-001/B400-NET-001	50-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
43	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2,5 mm2
44	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2,5 mm2
45	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2,5 mm2
46	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0,75 mm2
47	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0,75 mm2
48	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0,75 mm2
49	C-B400-TDC-001/B400-PCS-002	B400-TDC-001	B400-PCS-002	1x2x0,75 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 004 | REV. 01

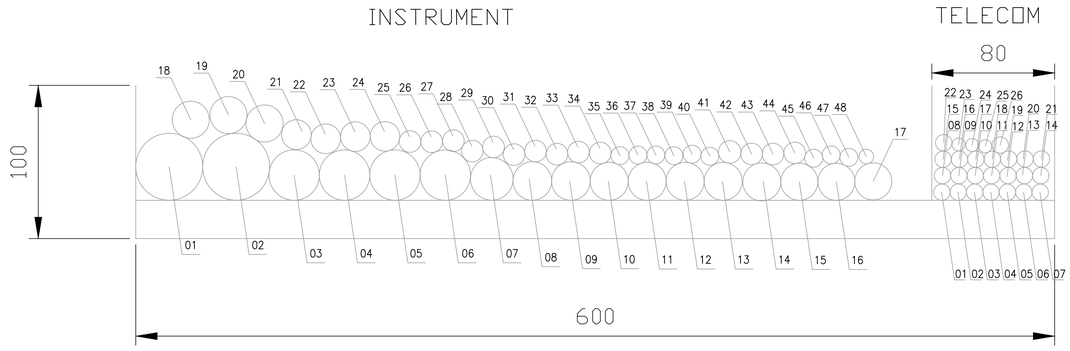
File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

<01>

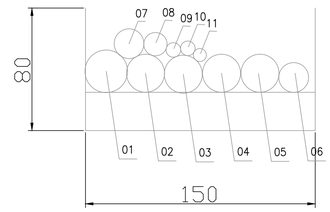
B-400-SEC-2C-L-600-101-IST-070



B-400-SEC-2C-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13001/B400-PCS-002	00-JE-13001	B400-PCS-002	24x2,5 mm2
8	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
9	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
10	00-JE-11001_1/B400-PCS-002	00-JE-11001_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-11001_2/B400-PCS-002	00-JE-11001_2	B400-PCS-002	12x2x0,75 mm2
12	00-JE-11002/B400-PCS-002	00-JE-11002_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-12001_1/B400-PCS-002	00-JE-12001_1	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12001_2/B400-PCS-002	00-JE-12001_2	B400-PCS-002	12x2x0,75 mm2
15	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
16	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
17	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
18	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
19	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
20	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
21	00-JE-12002/B400-PCS-002	00-JE-12002	B400-PCS-002	6x2x0,75 mm2
22	00-JE-12003/B400-PCS-002	00-JE-12003	B400-PCS-002	6x2x0,75 mm2
23	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0.75 mm2
24	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
25	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
26	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
27	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2,5 mm2
28	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
29	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2,5 mm2
30	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
31	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2,5 mm2
32	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2,5 mm2
33	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2,5 mm2
34	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2,5 mm2
35	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
36	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
38	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
39	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
40	C-950-SDZ-04206/B400-FGS-002	950-SDZ-04206	B400-FGS-002	1x2x0,75 mm2
41	C-950-GDZ-04206/B400-FGS-002	950-GDZ-04206	B400-FGS-002	3x2.5 mm2
42	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2.5 mm2
43	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2.5 mm2
44	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2.5 mm2
45	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0.75 mm2
46	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0.75 mm2
47	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0.75 mm2
48	C-B400-TDC-001/B400-PCS-002	B400-TDC-001	B400-PCS-002	1x2x0.75 mm2

B-400-SEC-2C-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
24	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2
25	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
26	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
27	C-GPSANT/B400-NET-001	GPSANT	B400-NET-001	STD-VENDOR

B-400-SEC-2D-L-150-101-IST-090



B-400-SEC-2D-L-150-101-IST-090				
POS	CABLE NAME	FROM	TO	FORMATION
1	00-JE-13001/B400-PCS-002	00-JE-13001	B400-PCS-002	24x2,5 mm2
2	00-JE-11001_1/B400-PCS-002	00-JE-11001_1	B400-PCS-002	12x2x0,75 mm2
3	00-JE-11001_2/B400-PCS-002	00-JE-11001_2	B400-PCS-002	12x2x0,75 mm2
4	00-JE-12001_1/B400-PCS-002	00-JE-12001_1	B400-PCS-002	12x2x0,75 mm2
5	00-JE-12001_2/B400-PCS-002	00-JE-12001_2	B400-PCS-002	12x2x0,75 mm2
6	00-JE-12002/B400-PCS-002	00-JE-12002	B400-PCS-002	6x2x0,75 mm2
7	00-JE-12003/B400-PCS-002	00-JE-12003	B400-PCS-002	6x2x0,75 mm2
8	C-B400-TIR-001/B400-PCS-002	B400-TIR-001	B400-PCS-002	2x2x0.75 mm2
9	C-B400-TDC-001/B400-PCS-002	B400-TDC-001	B400-PCS-002	1x2x0.75 mm2
10	C-B400-TDC-002/B400-PCS-002	B400-TDC-002	B400-PCS-002	1x2x0.75 mm2
11	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
12	C-GPSANT/B400-NET-001	GPSANT	B400-NET-001	STD-VENDOR

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 005 | REV. 01

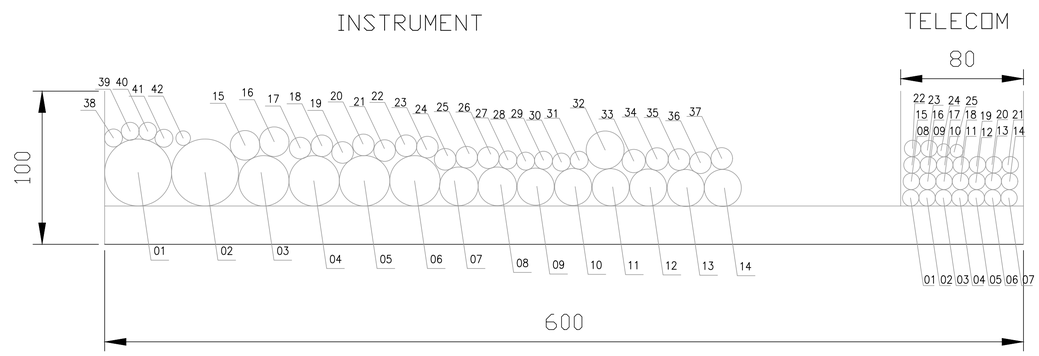
File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

<01>

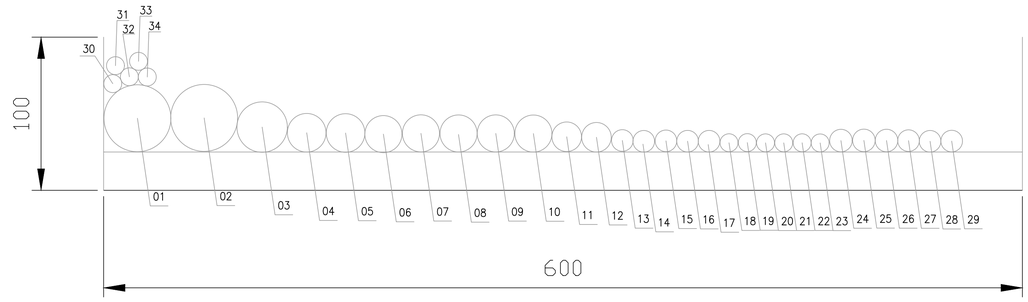
B-400-SEC-2E-L-600-101-IST-070



B-400-SEC-2E-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
7	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
8	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
9	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
10	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
11	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
12	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
13	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
14	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
15	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0.75 mm2
16	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
17	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
18	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
19	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2,5 mm2
20	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
21	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2,5 mm2
22	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
23	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2,5 mm2
24	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2,5 mm2
25	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2,5 mm2
26	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2,5 mm2
27	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
28	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
29	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
30	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
31	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
32	00-JE-11002/B400-PCS-002	00-JE-11002	B400-PCS-002	12x2x0.75 mm2
33	C-B400-TIR-001/B400-PCS-002	B400-TIR-001	B400-PCS-002	2x2x0.75 mm2
34	C-950-GDZ-04206/B400-FGS-002	950-GDZ-04206	B400-FGS-002	3x2.5 mm2
35	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2.5 mm2
36	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2.5 mm2
37	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2.5 mm2
38	C-950-SDZ-04206/B400-FGS-002	950-SDZ-04206	B400-FGS-002	1x2x0.75 mm2
39	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0.75 mm2
40	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0.75 mm2
41	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0.75 mm2
42	C-B400-TDC-002/B400-PCS-002	B400-TDC-002	B400-PCS-002	1x2x0.75 mm2

B-400-SEC-2E-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
24	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
25	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2

B-400-SEC-2F-L-600-101-IST-089



B-400-SEC-2F-L-600-101-IST-089				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
5	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
6	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
7	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
8	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
9	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
10	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
11	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0.75 mm2
12	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
13	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2,5 mm2
14	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2,5 mm2
15	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2,5 mm2
16	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2,5 mm2
17	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2,5 mm2
18	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
19	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
20	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
21	C-950-SDZ-04204/B400-FGS-002	950-SDZ-04204	B400-FGS-002	1x2x0,75 mm2
22	C-950-SDZ-04205/B400-FGS-002	950-SDZ-04205	B400-FGS-002	1x2x0,75 mm2
23	C-950-SDZ-04206/B400-FGS-002	950-SDZ-04206	B400-FGS-002	1x2x0,75 mm2
24	C-950-GDZ-04204/B400-FGS-002	950-GDZ-04204	B400-FGS-002	3x2.5 mm2
25	C-950-GDZ-04205/B400-FGS-002	950-GDZ-04205	B400-FGS-002	3x2.5 mm2
26	C-950-GDZ-04206/B400-FGS-002	950-GDZ-04206	B400-FGS-002	3x2.5 mm2
27	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2,5 mm2
28	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2,5 mm2
29	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2,5 mm2
30	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0,75 mm2
31	C-77-ZSL-012/B400-FGS-002	77-ZSL-012	B400-FGS-002	1x2x0,75 mm2
32	C-77-ZSL-013/B400-FGS-002	77-ZSL-013	B400-FGS-002	1x2x0,75 mm2
33	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0,75 mm2
34	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0,75 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layou
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

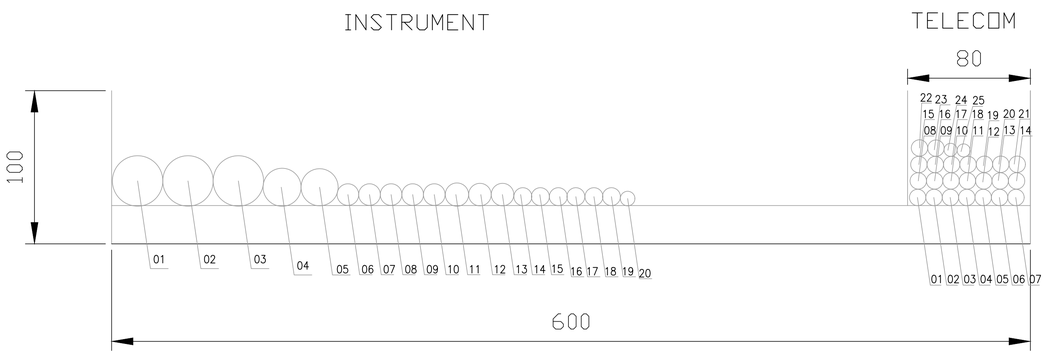
A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 006 | REV. 01

File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

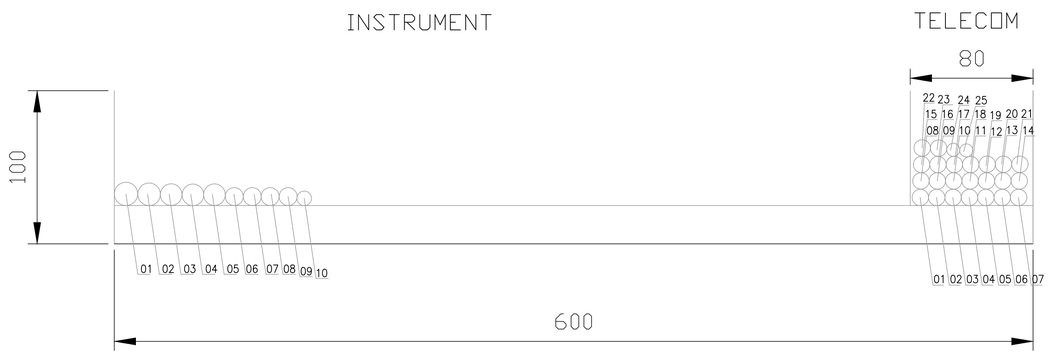
B-400-SEC-2G-L-600-101-IST-070



B-400-SEC-2G-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
2	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
3	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
4	00-JE-11002/B400-PCS-002	00-JE-11002	B400-PCS-002	12x2x0.75 mm2
5	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
6	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
7	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
8	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
9	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
10	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2,5 mm2
11	C-B400-TIR-001/B400-PCS-002	B400-TIR-001	B400-PCS-002	2x2x0.75 mm2
12	C-950-GDZ-04204/B400-FGS-002	950-GDZ-04204	B400-FGS-002	3x2.5 mm2
13	C-950-GDZ-04205/B400-FGS-002	950-GDZ-04205	B400-FGS-002	3x2.5 mm2
14	C-77-ZSL-012/B400-FGS-002	77-ZSL-012	B400-FGS-002	1x2x0.75 mm2
15	C-77-ZSL-013/B400-FGS-002	77-ZSL-013	B400-FGS-002	1x2x0.75 mm2
16	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
17	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
18	C-950-SDZ-04204/B400-FGS-002	950-SDZ-04204	B400-FGS-002	1x2x0.75 mm2
19	C-950-SDZ-04205/B400-FGS-002	950-SDZ-04205	B400-FGS-002	1x2x0.75 mm2
20	C-B400-TDC-002/B400-PCS-002	B400-TDC-002	B400-PCS-002	1x2x0.75 mm2

B-400-SEC-2G-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
24	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
25	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2

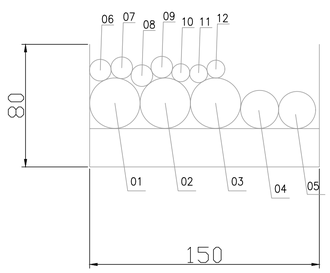
B-400-SEC-2I-L-600-101-IST-070



B-400-SEC-2I-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	C-B400-TIR-001/B400-PCS-002	B400-TIR-001	B400-PCS-002	2x2x0.75 mm2
2	C-950-GDZ-04204/B400-FGS-002	950-GDZ-04204	B400-FGS-002	3x2.5 mm2
3	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
4	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
5	C-77-XS-004/B400-SIS-001	77-XS-004	B400-SIS-001	2x2,5 mm2
6	C-77-XA-004/B400-SIS-001	77-XA-004	B400-SIS-001	1x2x0,75 mm2
7	C-950-SDZ-04204/B400-FGS-002	950-SDZ-04204	B400-FGS-002	1x2x0.75 mm2
8	C-77-ZSL-012/B400-FGS-002	77-ZSL-012	B400-FGS-002	1x2x0.75 mm2
9	C-77-ZSL-013/B400-FGS-002	77-ZSL-013	B400-FGS-002	1x2x0.75 mm2
10	C-B400-TDC-002/B400-PCS-002	B400-TDC-002	B400-PCS-002	1x2x0.75 mm2

B-400-SEC-2I-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001.02	CAT.6A 4x2xAWG23
24	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
25	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2

B-400-SEC-2H-L-150-101-IST-071



B-400-SEC-2H-L-150-101-IST-071				
POS	CABLE NAME	FROM	TO	FORMATION
1	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
2	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
3	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
4	00-JE-11002/B400-PCS-002	00-JE-11002	B400-PCS-002	12x2x0.75 mm2
5	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
6	C-77-XS-004/B400-SIS-001	77-XS-004	B400-SIS-001	2x2,5 mm2
7	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
8	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
9	C-77-HY-016/77-HS-016A	77-HY-016	77-HS-016A	2x2,5 mm2
10	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
11	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
12	C-77-XA-004/B400-SIS-001	77-XA-004	B400-SIS-001	1x2x0.75 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layou
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 007 | REV. 01

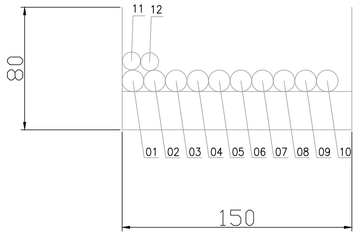
File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

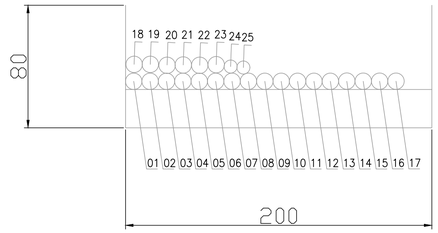
<01>

B-400-SEC-2J-L-150-101-IST-088



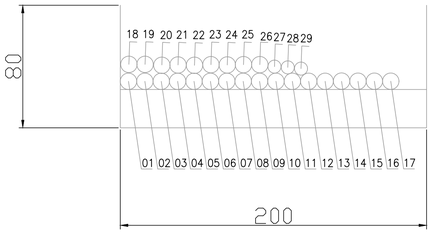
B-400-SEC-2J-L-150-101-IST-088				
POS	CABLE NAME	FROM	TO	FORMATION
1	C-77-HS-012A/77-HS-012B	77-HS-012A	77-HS-012B	2x2.5 mm2
2	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2.5 mm2
3	C-77-HS-013A/77-HS-013B	77-HS-013A	77-HS-013B	2x2.5 mm2
4	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2.5 mm2
5	C-77-HS-014A/77-HS-014B	77-HS-014A	77-HS-014B	2x2.5 mm2
6	C-77-HY-014/77-HS-014A	HFD-77014	77-HS-014A	2x2.5 mm2
7	C-77-HS-015A/77-HS-015B	77-HS-015A	77-HS-015B	2x2.5 mm2
8	C-77-HY-015/77-HS-015A	HFD-77015	77-HS-015A	2x2.5 mm2
9	C-77-HS-016A/77-HS-016B	77-HS-016A	77-HS-016B	2x2.5 mm2
10	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2.5 mm2
11	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0.75 mm2
12	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0.75 mm2

B-400-SEC-3A-L-200-101-IST-087



B-400-SEC-3A-L-200-101-IST-087				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
24	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
25	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2

B-400-SEC-3B-L-200-101-IST-091



B-400-SEC-3B-L-200-101-IST-091				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	80-UCP-001/B400-NET-001.01	80-UCP-001	B400-NET-001.01	CAT.6A 4x2xAWG23
24	80-UCP-001/B400-NET-001.02	80-UCP-001	B400-NET-001.02	CAT.6A 4x2xAWG23
25	50-LP-001/B400-NET-001	50-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
26	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
27	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
28	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2
29	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
30	C-GPSANT/B400-NET-001	GPSANT	B400-NET-001	STD-VENDOR

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 008 | REV. 01

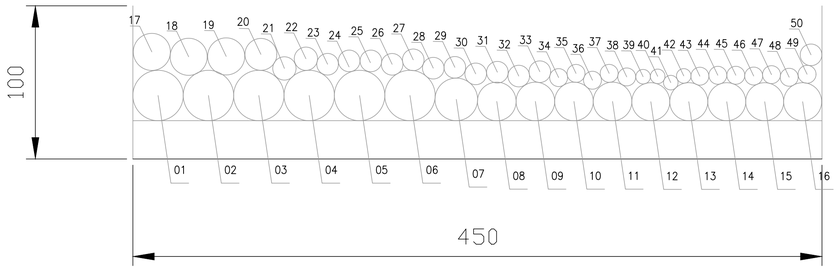
File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

B-400-SEC-1A-L-450-101-IST-092

<01>



B-400-SEC-1A-L-450-101-IST-093				
POS	**CABLE NAME**	**FROM**	**TO**	**FORMATION**
1	950-JE-04201/B400-FGS-002	950-JE-04201	B400-FGS-002	6x3x2,5 mm2
2	950-JE-04205/B400-FGS-002	950-JE-04205	B400-FGS-002	6x3x2,5 mm2
3	950-JE-02103/B400-FGS-002	950-JE-02103	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21002/B400-SIS-001	00-JE-21002	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22002_1/B400-SIS-001	00-JE-22002_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22002_2/B400-SIS-001	00-JE-22002_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13002/B400-PCS-002	00-JE-13002	B400-PCS-002	24x2,5 mm2
8	950-JE-04102/B400-FGS-002	950-JE-04102	B400-FGS-002	6x2x0,75 mm2
9	950-JE-05102/B400-FGS-002	950-JE-05102	B400-FGS-002	6x2x0,75 mm2
10	B200-HSB-001/B400-FGS-002	950-JE-04202	B400-FGS-002	6x2x0,75 mm2
11	B300-HSB-001/B400-FGS-002	950-JE-04206	B400-FGS-002	6x2x0,75 mm2
12	00-JE-11003_1/B400-PCS-002	00-JE-11003_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-11003_2/B400-PCS-002	00-JE-11003_2	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12004_1/B400-PCS-002	00-JE-12004_1	B400-PCS-002	12x2x0,75 mm2
15	00-JE-12004_2/B400-PCS-002	00-JE-12004_2	B400-PCS-002	12x2x0,75 mm2
16	00-JE-12005/B400-PCS-002	00-JE-12005	B400-PCS-002	12x2x0,75 mm2
17	00-JE-23002/B400-SIS-001	00-JE-23002	B400-SIS-001	12x2,5 mm2
18	UP-200F3/B400-SIS-001	UP-200F3	B400-SIS-001	12x2,5 mm2
19	950-JE-04207/B400-FGS-002	950-JE-04207	B400-FGS-002	12x2,5 mm2
20	00-JE-13003/B400-PCS-002	00-JE-13003	B400-PCS-002	12x2,5 mm2
21	C-B200-TIR-001/B400-PCS-002	B200-TIR-001	B400-PCS-002	2x2x0,75 mm2
22	C-B300-TIR-001/B400-PCS-002	B300-TIR-001	B400-PCS-002	2x2x0,75 mm2
23	C-77-XS-002/B400-SIS-001	77-XS-002	B400-SIS-001	2x2,5 mm2
24	C-77-XS-003/B400-SIS-001	77-XS-003	B400-SIS-001	2x2,5 mm2
25	C-SG-200N1-001/B400-SIS-001	SG-200N1-001	B400-SIS-001	2x2,5 mm2
26	C-SG-200N1-002/B400-SIS-001	SG-200N1-002	B400-SIS-001	2x2,5 mm2
27	C-CB-200F3A/B400-SIS-001	CB-200F3A	B400-SIS-001	2x2,5 mm2
28	C-CB-200F3B/B400-SIS-001	CB-200F3B	B400-SIS-001	2x2,5 mm2
29	C-CB-200F4A/B400-SIS-001	CB-200F4A	B400-SIS-001	2x2,5 mm2
30	C-CB-200F4B/B400-SIS-001	CB-200F4B	B400-SIS-001	2x2,5 mm2
31	C-UP-200F4/B400-SIS-001	UP-200F4	B400-SIS-001	2x2,5 mm2
32	C-NC-200F2/B400-FGS-002.01	N200F2	B400-FGS-002.01	1x2x0.75 mm2
33	C-NC-200F2/B400-FGS-002.02	N200F2	B400-FGS-002.02	2x2.5 mm2
34	C-NC-200F2/B400-SIS-001	N200F2	B400-SIS-001	2x2.5 mm2
35	C-77-XA-002/B400-SIS-001	77-XA-002	B400-SIS-001	1x2x0,75 mm2
36	C-77-XA-003/B400-SIS-001	77-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-04203/B400-FGS-002	950-MFA-04203	B400-FGS-002	1x2x0,75 mm2
38	C-950-MFA-04202/B400-FGS-002	950-MFA-04202	B400-FGS-002	1x2x0,75 mm2
39	C-B200-TDC-001/B400-PCS-002	B200-TD001	B400-PCS-002	1x2x0,75 mm2
40	C-B200-TDC-002/B400-PCS-002	B200-TD002	B400-PCS-002	1x2x0,75 mm2
41	C-B300-TDC-001/B400-PCS-002	B300-TD001	B400-PCS-002	1x2x0,75 mm2
42	C-B300-TDC-002/B400-PCS-002	B300-TD002	B400-PCS-002	1x2x0,75 mm2
43	C-950-SDZ-04201/B400-FGS-002	950-SDZ-04201	B400-FGS-002	1x2x0.75 mm2
44	C-950-SDZ-04202/B400-FGS-002	950-SDZ-04202	B400-FGS-002	1x2x0.75 mm2
45	C-950-SDZ-04203/B400-FGS-002	950-SDZ-04203	B400-FGS-002	1x2x0.75 mm2
46	C-950-GDZ-04201/B400-FGS-002	950-GDZ-04201	B400-FGS-002	1x2x0.75 mm2
47	C-950-GDZ-04202/B400-FGS-002	950-GDZ-04202	B400-FGS-002	1x2x0.75 mm2
48	C-950-GDZ-04203/B400-FGS-002	950-GDZ-04203	B400-FGS-002	1x2x0.75 mm2
49	C-77-ZSL-016/B400-FGS-002	77-ZSL-016	B400-FGS-002	1x2x0.75 mm2
50	C-77-HY-016/77-HS-016A	77-HY-016	77-HS-016A	2x2.5 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE	1:50
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 04/10/24

A1	DRAWING NO. 123A90-DDL-IN-DL-40116	SHEET 009	REV. 01

File Name : 123A90-DDL-IN-DL-40116 REV:01.dwg

POS.	REV.	FEATURE	REQUIRED	MANUFACTURER PROPOSAL	COMMENTS
GENERAL DATA					
1	00	LOCATION	OUTDOOR		
2	00	DEPTH	163 mm		
3	00	CONSTRUCTION TYPE	PRIMED MILD STEEL = PRIMED STAINLESS STEEL = AISI 316		
4	00	TYPE OF INSTALLATION	BY WELDING		
5	00	CLASS	A0		
6	00	BLAST	N.A.		
7	00	POSITION	CONTAINER WALL, FLOOR PENETRATION		
8	00	CERTIFICATION Ex	REQUIRED WHERE INDICATED (Note 1)		

MULTICABLES TRANSIT SYSYTEM - FRAMES				
POS.	REV.	DESCRIPTION	Q.TY	NOTES
		S 4x1 PRIMED	6	Provided by others
		Manufacturer: Roxtec		
		Model: S 4x1 PRIMED		
		S 4x2 PRIMED	4	Provided by others
		Manufacturer: Roxtec		
		Model: S 4x2 PRIMED		
		S 6x3 PRIMED	1	Provided by others
		Manufacturer: Roxtec		
		Model: S 6x3 PRIMED		
		S 6x6 PRIMED	1	Provided by others
		Manufacturer: Roxtec		
		Model: S 6x6 PRIMED		
		SK 2x1 Ex PRIMED Depht 100mm	4	Provided by others
		Manufacturer: Roxtec		
		Model: SK 2x1 Ex PRIMED Depht 100mm		
		SK 4x3 Ex PRIMED Depht 100mm	3	Provided by others
		Manufacturer: Roxtec		
		Model: SK 4x3 Ex PRIMED Depht 100mm		

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

MULTICABLES TRANSIT SYSYTEM - BLOCKS & ACCESSORIES

POS.	REV.	DESCRIPTION	Q.TY	NOTES
		RM 40	72	
		Manufacturer: Roxtec		
		Model: RM 40		
		RM 20W40	219	
		Manufacturer: Roxtec		
		Model: RM 20W40		
		RM 30	92	
		Manufacturer: Roxtec		
		Model: RM 30		
		RM 60 WOC	5	
		Manufacturer: Roxtec		
		Model: RM 60 WOC		
		RM 10/0x12	4	
		Manufacturer: Roxtec		
		Model: RM 10/0x12		
		Wedge 120 Galv	23	
		Manufacturer: Roxtec		
		Model: Wedge 120 Galv		
		Stayplate 120 Galv	123	
		Manufacturer: Roxtec		
		Model: Stayplate 120 Galv		
		RM 20W40 EX	54	Note 1
		Manufacturer: Roxtec		
		Model: RM 20W40 EX		
		RM 30 EX	48	Note 1
		Manufacturer: Roxtec		
		Model: RM 30 EX		
		RM 40 EX	33	Note 1
		Manufacturer: Roxtec		
		Model: RM 40 EX		
		RM 60 WOC EX	4	Note 1
		Manufacturer: Roxtec		
		Model: RM 60 WOC EX		
		~~RM 60/24-54 EX~~	~~2~~	~~Note 1~~
		~~Manufacturer: Roxtec~~		
		~~Model: (*)~~		
		RM 10/0x12 EX	4	Note 1
		Manufacturer: Roxtec		
		Model: RM 10/0x12 EX		
		Wedge 120 Ex Galv	13	Note 1
		Manufacturer: Roxtec		
		Model: Wedge 120 Ex Galv		
		Stayplate 120 Ex Galv	47	Note 1
		Manufacturer: Roxtec		
		Model: Stayplate 120 Ex Galv		
		RS 43 W Ex AISI 316/AISI 316	3	Note 1
		Manufacturer: Roxtec		
		Model: RS 43 W Ex AISI 316/AISI 316		
		Lubrificant 25 ml	(*)	
		Manufacturer: STD Vendor		
		Model: STD Vendor		

NOTES:

1) Frame, modules and other accessories shall have ATEX Certification

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

ITEM	Tag	I-MCT-402	: Multi Cable Transit		Dwg	123A90-DDL-IN-DL-40086	
	S/Sys	90-04	: I&T System Equipment Room B-400		Module	LD_B-400_Ext	
TASK	code	C10001904	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	MC	Activity CCK	Discipline Instrumental	Form	CJX29	MCT Penetration Instrument

1	Check that MCT's conforms to latest project standards and specification.	OK
2	Check MCT's is installed correctly in accordance with latest layout drawings without clashes with pipe runs or other equipment.	OK
3	Check MCT's is properly tagged, on both side of penetration	OK
4	Check the cable arrangement in MCT's is conform with the latest drawing.	Note
5	Check that product marking is matching with hazardous area certification document data	OK
6	If required produce Red Line Mark Up for "AS BUILT"	

Comments: Note 4: Refer to PL n* C30002352

Page 1/1	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM(ROSETTI MARINO)	
Name	Michele Tartaglia	Paolo Schintu	
Date	2025-02-07	2025-02-19	
Signature	PROVERLIS Digitaly signed by Michele Tartaglia 2025-02-07T14:02:33.323Z	PROVERLIS Digitaly signed by Paolo Schintu 2025-02-19T10:35:21.621Z	

DRAWING NO. 123A90-DDL-IN-DL-40086

REV. 01

SEE DETAIL "C"
I-MCT-402
S-4x2 PRIMED
EL. +U 26.370

SEE DETAIL "E"
I-MCT-401
S-6x6 PRIMED
EL. +U 26370

SEE DETAIL "C"
I-MCT-301
S-4x2 PRIMED
EL. +U 27.320

SEE DETAIL "D"
I-MCT-302
S-4x1 PRIMED
EL. +U 26.870

SEE DETAIL "D"
I-MCT-202
S-4x1 PRIMED
EL. +U 27.320

SEE DETAIL "C"
I-MCT-201
S-4x2 PRIMED
EL. +U 27.320

SEE DETAIL "A"
I-PASSAGE-2
SIZE 200x200
EL. +U 23.288

SEE DETAIL "A"
I-PASSAGE-1
SIZE 200x200
EL. +U 23.288

SEE DETAIL "A"
I-PASSAGE-3
SIZE 200x300
EL. +U 23.288

SEE DETAIL "D"
I-MCT-102
S-4x1 PRIMED
EL. +U 26.320

SEE DETAIL "C"
I-MCT-101
S-4x2 PRIMED
EL. +U 26.320

SEE DETAIL "B"
I-MCT-T01
SK-2x1 PRIMED
EL. +U 21.680

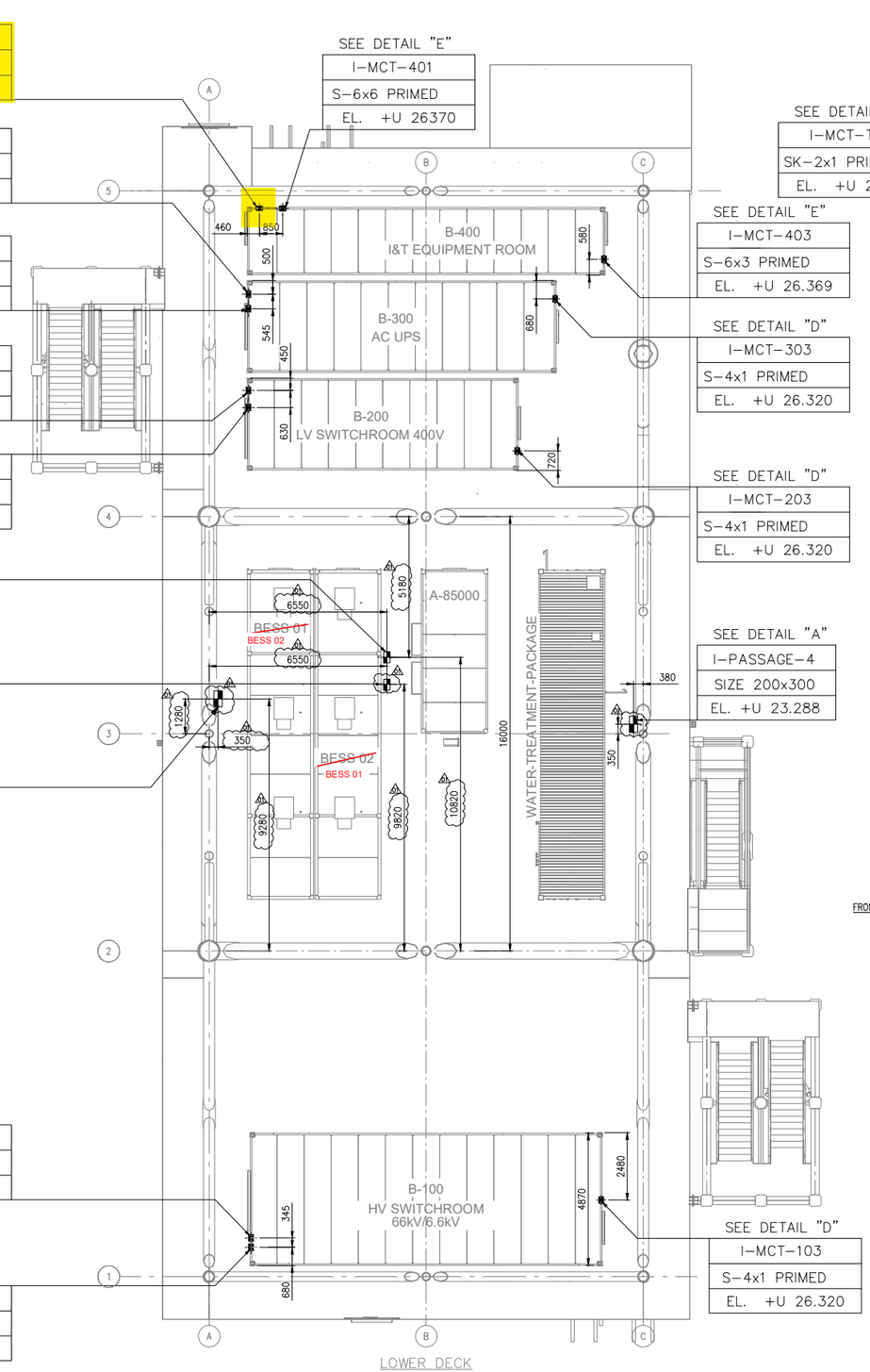
SEE DETAIL "E"
I-MCT-403
S-6x3 PRIMED
EL. +U 26.369

SEE DETAIL "D"
I-MCT-303
S-4x1 PRIMED
EL. +U 26.320

SEE DETAIL "D"
I-MCT-203
S-4x1 PRIMED
EL. +U 26.320

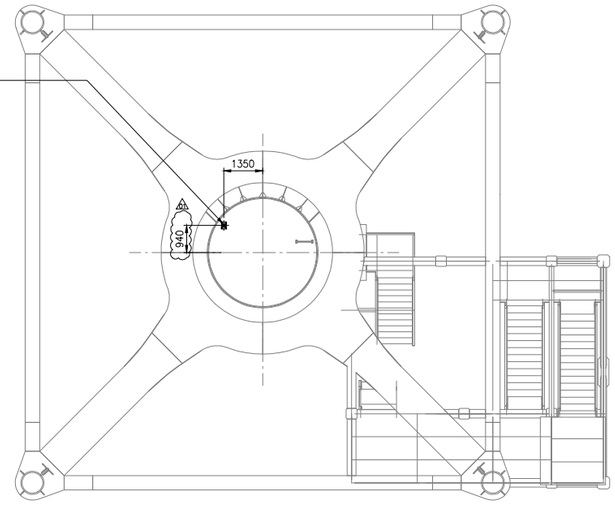
SEE DETAIL "A"
I-PASSAGE-4
SIZE 200x300
EL. +U 23.288

SEE DETAIL "D"
I-MCT-103
S-4x1 PRIMED
EL. +U 26.320



LOWER DECK

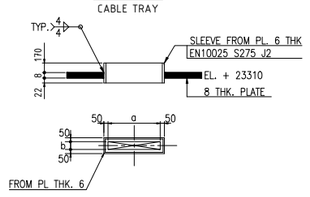
VIEW EL. +23310mm to +30310mm



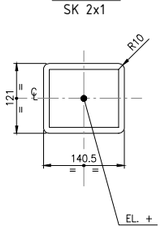
MONO PILE (TRANSITION PIECE)

VIEW EL. +17180mm to +23340mm

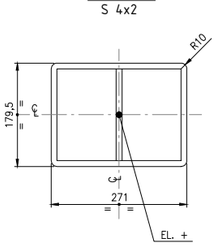
DETAIL "A"
CABLE TRAY



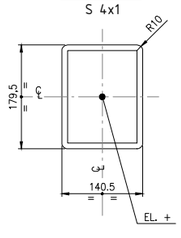
DETAIL "B"
SK 2x1



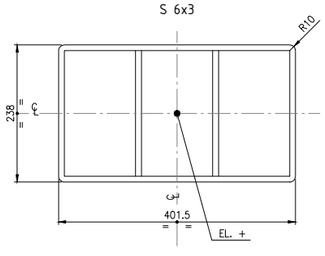
DETAIL "C"
S 4x2



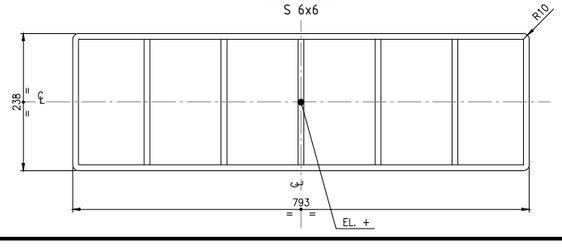
DETAIL "D"
S 4x1

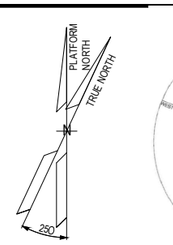


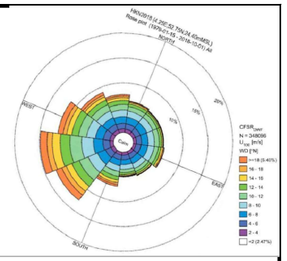
DETAIL "E"
S 6x3



DETAIL "E"
S 6x6







NOTES

GENERAL NOTES:

1. ALL DIMENSIONS IN mm U.N.O
2. ALL ELEVATIONS IN METERS.
3. ALL ELEVATIONS RELATE TO LOWEST ASTRONOMICAL TIDE (LAT) = 0.000.

NOTES:

1. THIS DOCUMENT IS VALID FOR TAGGING, SIZE AND LOCATION OF THE MCT.

LEGEND

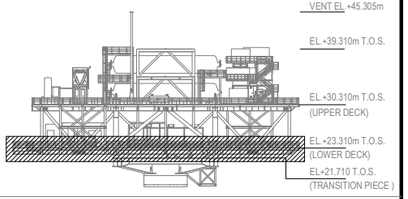
PASSAGE

MCT

TAG	TAGGING
SIZE-MATERIAL	TYPICAL
EL.	ELEVATION

HOLDS

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-IN-DL-40087	Instrument and Telecom MCT Layout - Upper Deck
123A90-DDL-PP-DL-70070	Plot Plan - Lower & Upper Deck
123A90-DDL-IN-DS-40072	TDS - Instrument and Telecom MCTs
123A90-DDL-IN-DD-40074	MCT Composition

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	28/06/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	24/04/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

INSTRUMENT AND TELECOM MCT LAYOUT-LOWER DECK
TOS EL. +23.310M

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:100
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 24/04/24
A1	DRAWING NO. 123A90-DDL-IN-DL-40086	SHEET 001	REV. 01

File Name : 123A90-DDL-IN-DL-40086 REV01.dwg

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DL-40086

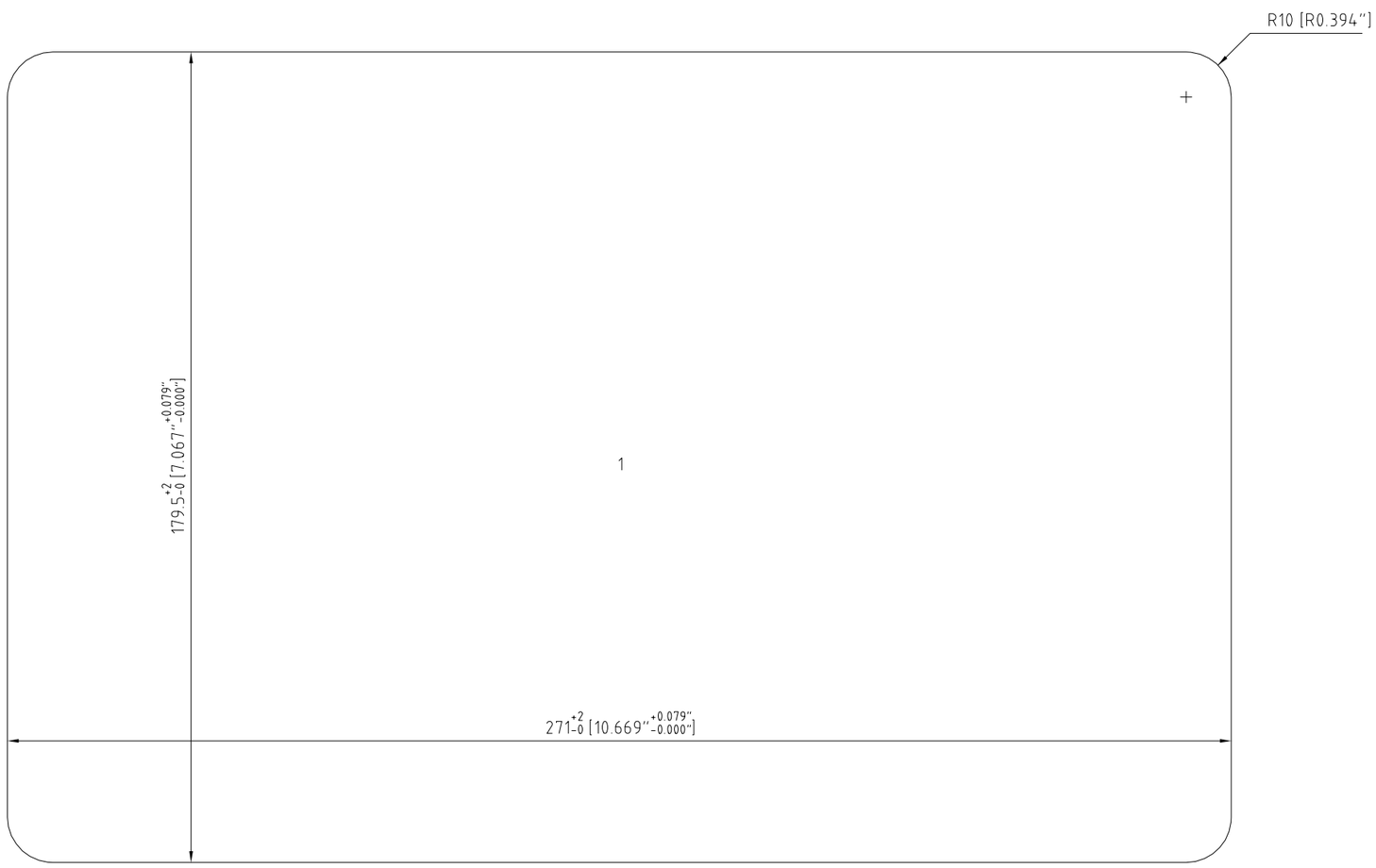
REV.:	DATE:	SIGNATURE:
1_B	12/12/24	C.Pilato

ROSETTI MARINO SpA

RTD Version No: 4.37.11.0

Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.
洛克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。



VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DD-40074**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

Cutout Detail

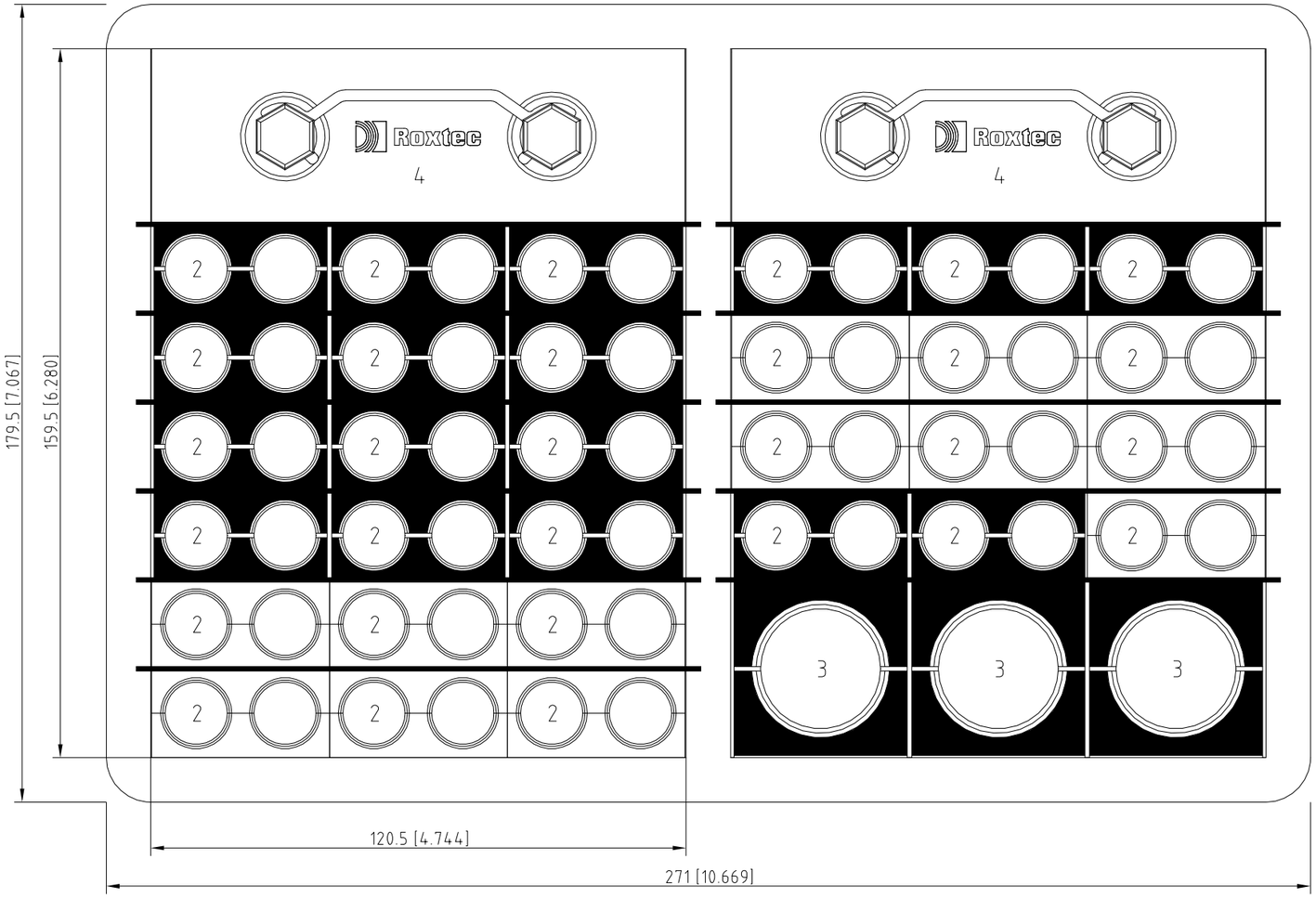
Frame: S 4x2 PRIMED Solution: 1

Item	Qty	Roxtec Packing Material mm ["]	Roxtec Art No	Weight Kg [lb]

Responsible	Created Date	Modify Date	Project	TotWeight
Rosetti Marino	2024-05-30	2024-09-30	Base Load Power Hub (BLPH) Location/ Sublocation	10.1 [22.33]
Roxtec	Format NTS		Transit name I-MCT-402	Sheet No 1/3
	Client		Drawing number 123A90-DDL-IN-DD-40074	Rev 01

RTD Version No: 4.37.11.0

CUTOUT TO FIT SOLUTION WELDING, 271x179.5 [10.669"x7.067"]



MODULE WITH PIPE | MODULE WITH CABLE | SPARE MODULE | SOLID MODULE

Detail Drawing

Solution: 1

I-MCT-402 - B-400 ITER

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DD-40074**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

Item	Qty	Roxtec Packing Material mm ["]	Roxtec Art No	Weight Kg [lb]
5	11	Stayplate 120 galv	ASP0001200018	0.1 [0.24]
4	2	Wedge 120 galv	ARW0001201018	0.8 [1.76]
3	3	RM 40 21.5-34.5 [0.846"-1.358"]	RM00100401000	0.1 [0.31]
2	30	RM 20W40 3.5-16.5 [0.138"-0.650"]	RM00120401000	0.1 [0.15]
1	1	S 4x2 PRIMED	S004000000212	4.8 [10.58]

Responsible	Created Date	Modify Date	Project	TotWeight
Rosetti Marino	2024-05-30	2024-09-30	Base Load Power Hub (BLPH) Location/ Sublocation	10.1 [22.33]
Roxtec	Format NTS		Transit name I-MCT-402	Sheet No 2/3
	Client	Drawing number 123A90-DDL-IN-DD-40074		Rev 01

Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

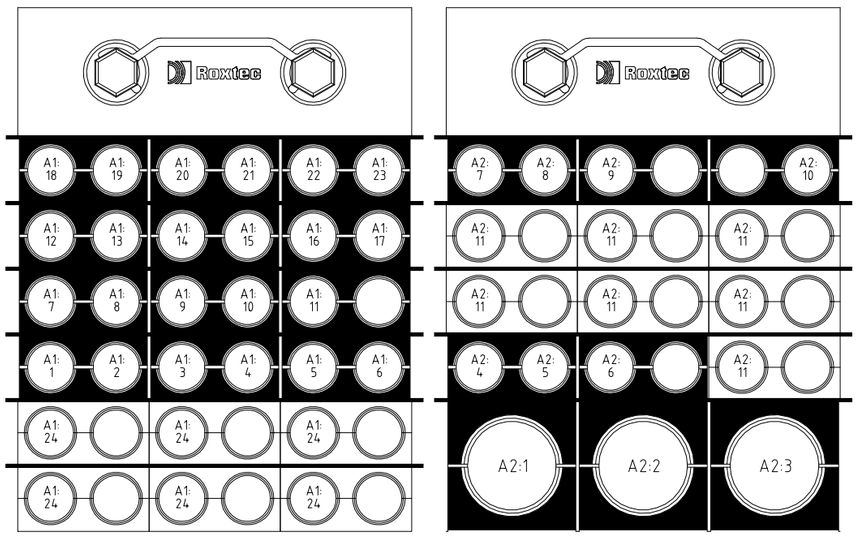
All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

烙克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

RTD Version No: 4.37.11.0

A1 A2

A1 A2



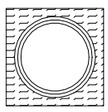
VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DD-40074**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

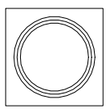
Pos	Cable ID	Name	Cable Type	Cable Category	OD (mm/ [“])	Module Type
A2:11						RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:10	27	C-GPSANT/B400-NET-001	Vendor-STD	COMM	14 [0.551"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:9	26	HNA6/B400-NET-001	FO12 OS2	COMM	8.5 [0.335"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:8	3	CP-100E1/B400-NET-001.02	FO12 OM2	COMM	8.5 [0.335"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:7	2	CP-100E1/B400-NET-001.01	FO12 OM2	COMM	8.5 [0.335"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:6	33	C-950-SDZ-04203/B400-FGS-002	1x2x0.75 mm2	Ex-i	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:5	32	C-950-SDZ-04202/B400-FGS-002	1x2x0.75 mm2	Ex-i	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:4	31	C-950-SDZ-04201/B400-FGS-002	1x2x0.75 mm2	Ex-i	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:3	28	950-JE-06204/B400-FGS-002	6x2x0.75 mm2	Ex-i	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:2	30	950-JE-04208/B400-FGS-002	6x2x0.75 mm2	Ex-i	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:1	29	950-JE-04204/B400-FGS-002	6x2x0.75 mm2	Ex-i	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A1:24						RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:23	8	UP-200F1/B400-NET-001.02	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:22	7	UP-200F1/B400-NET-001.01	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:21	25	TR-100AD1AVR/B400-NET-001	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:20	6	SG-100D1/B400-NET-001.03	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:19	5	SG-100D1/B400-NET-001.02	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:18	4	SG-100D1/B400-NET-001.01	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:17	18	UP-200F4/B400-NET-001.02	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:16	17	UP-200F4/B400-NET-001.01	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:15	16	UP-200F3/B400-NET-001.02	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:14	15	UP-200F3/B400-NET-001.01	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:13	11	SG-200N1/B400-NET-001.02	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:12	10	SG-200N1/B400-NET-001.01	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:11	14	B300-HSB-001/B400-NET-001	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:10	9	B200-HSB-001/B400-NET-001	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:9	1	B100-HSB-001/B400-NET-001	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:8	13	SG-200D2/B400-NET-001	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:7	12	SG-200N1/B400-NET-001.03	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:6	24	64-LP-001/B400-NET-001	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:5	23	63-LP-001/B400-NET-001	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:4	22	20-UCP-001/B400-NET-001.02	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:3	21	20-UCP-001/B400-NET-001.01	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:2	20	P320PLC/B400-NET-001.02	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:1	19	P320PLC/B400-NET-001.01	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]



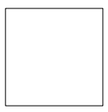
MODULE WITH PIPE



MODULE WITH CABLE



SPARE MODULE



SOLID MODULE

Responsible	Created Date	Modify Date	Project	TotWeight
Rosetti Marino	2024-05-30	2024-09-30	Base Load Power Hub (BLPH) Location/ Sublocation	10.1 [22.33]
Roxtec	Format: NTS		Transit name: I-MCT-402	Sheet No: 3/3
	Client		Drawing number: 123A90-DDL-IN-DD-40074	Rev: 01

Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

洛克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

POS.	REV.	FEATURE	REQUIRED	MANUFACTURER PROPOSAL	COMMENTS
GENERAL DATA					
1	00	LOCATION	OUTDOOR		
2	00	DEPTH	163 mm		
3	00	CONSTRUCTION TYPE	PRIMED MILD STEEL = PRIMED STAINLESS STEEL = AISI 316		
4	00	TYPE OF INSTALLATION	BY WELDING		
5	00	CLASS	A0		
6	00	BLAST	N.A.		
7	00	POSITION	CONTAINER WALL, FLOOR PENETRATION		
8	00	CERTIFICATION Ex	REQUIRED WHERE INDICATED (Note 1)		

MULTICABLES TRANSIT SYSYTEM - FRAMES				
POS.	REV.	DESCRIPTION	Q.TY	NOTES
		S 4x1 PRIMED	6	Provided by others
		Manufacturer: Roxtec		
		Model: S 4x1 PRIMED		
		S 4x2 PRIMED	4	Provided by others
		Manufacturer: Roxtec		
		Model: S 4x2 PRIMED		
		S 6x3 PRIMED	1	Provided by others
		Manufacturer: Roxtec		
		Model: S 6x3 PRIMED		
		S 6x6 PRIMED	1	Provided by others
		Manufacturer: Roxtec		
		Model: S 6x6 PRIMED		
		SK 2x1 Ex PRIMED Depht 100mm	4	Provided by others
		Manufacturer: Roxtec		
		Model: SK 2x1 Ex PRIMED Depht 100mm		
		SK 4x3 Ex PRIMED Depht 100mm	3	Provided by others
		Manufacturer: Roxtec		
		Model: SK 4x3 Ex PRIMED Depht 100mm		

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

MULTICABLES TRANSIT SYSYTEM - BLOCKS & ACCESSORIES

POS.	REV.	DESCRIPTION	Q.TY	NOTES
		RM 40	72	
		Manufacturer: Roxtec		
		Model: RM 40		
		RM 20W40	219	
		Manufacturer: Roxtec		
		Model: RM 20W40		
		RM 30	92	
		Manufacturer: Roxtec		
		Model: RM 30		
		RM 60 WOC	5	
		Manufacturer: Roxtec		
		Model: RM 60 WOC		
		RM 10/0x12	4	
		Manufacturer: Roxtec		
		Model: RM 10/0x12		
		Wedge 120 Galv	23	
		Manufacturer: Roxtec		
		Model: Wedge 120 Galv		
		Stayplate 120 Galv	123	
		Manufacturer: Roxtec		
		Model: Stayplate 120 Galv		
		RM 20W40 EX	54	Note 1
		Manufacturer: Roxtec		
		Model: RM 20W40 EX		
		RM 30 EX	48	Note 1
		Manufacturer: Roxtec		
		Model: RM 30 EX		
		RM 40 EX	33	Note 1
		Manufacturer: Roxtec		
		Model: RM 40 EX		
		RM 60 WOC EX	4	Note 1
		Manufacturer: Roxtec		
		Model: RM 60 WOC EX		
		~~RM 60/24-54 EX~~	~~2~~	~~Note 1~~
		~~Manufacturer: Roxtec~~		
		~~Model: (*)~~		
		RM 10/0x12 EX	4	Note 1
		Manufacturer: Roxtec		
		Model: RM 10/0x12 EX		
		Wedge 120 Ex Galv	13	Note 1
		Manufacturer: Roxtec		
		Model: Wedge 120 Ex Galv		
		Stayplate 120 Ex Galv	47	Note 1
		Manufacturer: Roxtec		
		Model: Stayplate 120 Ex Galv		
		RS 43 W Ex AISI 316/AISI 316	3	Note 1
		Manufacturer: Roxtec		
		Model: RS 43 W Ex AISI 316/AISI 316		
		Lubrificant 25 ml	(*)	
		Manufacturer: STD Vendor		
		Model: STD Vendor		

NOTES:

1) Frame, modules and other accessories shall have ATEX Certification

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	I-MCT-403	: Multi Cable Transit		Dwg	123A90-DDL-IN-DL-40086	
	S/Sys	90-04	: I&T System Equipment Room B-400		Module	LD_B-400_Ext	
TASK	code	C10001905		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Instrumental	Form	CJX29	MCT Penetration Instrument

1	Check that MCT's conforms to latest project standards and specification.	OK
2	Check MCT's is installed correctly in accordance with latest layout drawings without clashes with pipe runs or other equipment.	OK
3	Check MCT's is properly tagged, on both side of penetration	OK
4	Check the cable arrangement in MCT's is conform with the latest drawing.	OK
5	Check that product marking is matching with hazardous area certification document data	OK
6	If required produce Red Line Mark Up for "AS BUILT"	

Comments:

	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM(ROSETTI MARINO)	
Name	Michele Tartaglia	Paolo Schintu	
Date	2025-01-14	2025-03-01	
Signature	PROVERLIS Digitaly signed by Michele Tartaglia 2025-01-14T08:52:37.525Z	PROVERLIS Digitaly signed by Paolo Schintu 2025-03-01T08:04:55.705Z	

DRAWING NO. 123A90-DDL-IN-DL-40086

REV. 01

SEE DETAIL "C"
I-MCT-402
S-4x2 PRIMED
EL. +U 26.370

SEE DETAIL "C"
I-MCT-301
S-4x2 PRIMED
EL. +U 27.320

SEE DETAIL "D"
I-MCT-302
S-4x1 PRIMED
EL. +U 26.870

SEE DETAIL "D"
I-MCT-202
S-4x1 PRIMED
EL. +U 27.320

SEE DETAIL "C"
I-MCT-201
S-4x2 PRIMED
EL. +U 27.320

SEE DETAIL "A"
I-PASSAGE-2
SIZE 200x200
EL. +U 23.288

SEE DETAIL "A"
I-PASSAGE-1
SIZE 200x200
EL. +U 23.288

SEE DETAIL "A"
I-PASSAGE-3
SIZE 200x300
EL. +U 23.288

SEE DETAIL "E"
I-MCT-401
S-6x6 PRIMED
EL. +U 26370

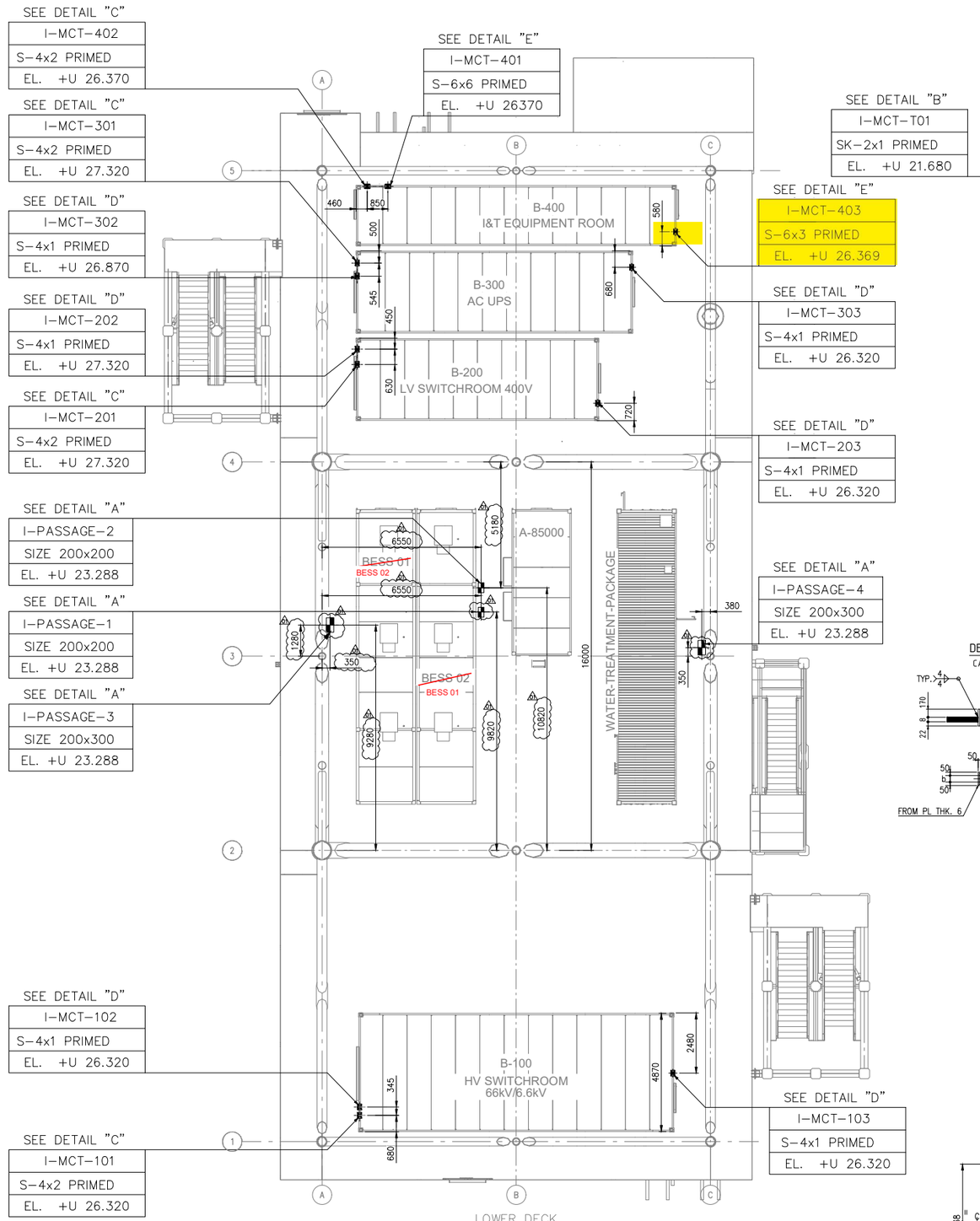
SEE DETAIL "B"
I-MCT-T01
SK-2x1 PRIMED
EL. +U 21.680

SEE DETAIL "E"
I-MCT-403
S-6x3 PRIMED
EL. +U 26.369

SEE DETAIL "D"
I-MCT-303
S-4x1 PRIMED
EL. +U 26.320

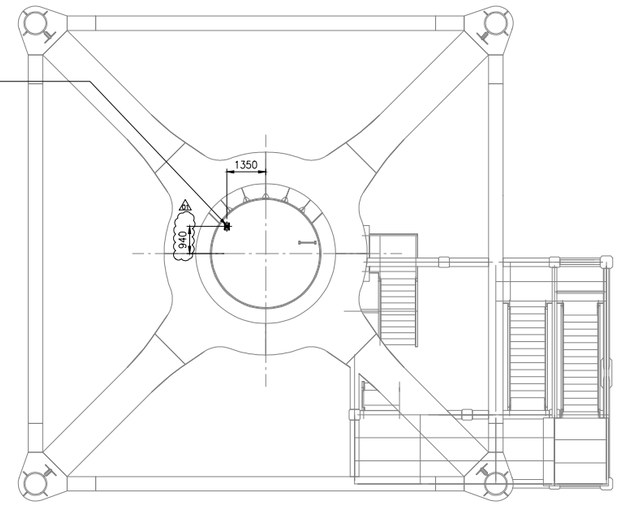
SEE DETAIL "D"
I-MCT-203
S-4x1 PRIMED
EL. +U 26.320

SEE DETAIL "A"
I-PASSAGE-4
SIZE 200x300
EL. +U 23.288



LOWER DECK

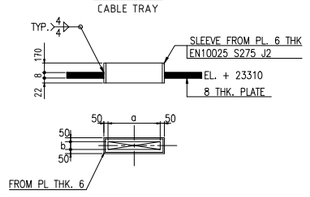
VIEW EL. +23310mm to +30310mm



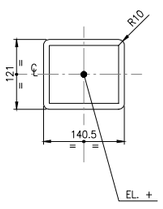
MONO PILE (TRANSITION PIECE)

VIEW EL. +17180mm to +23340mm

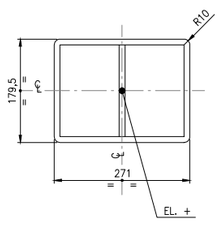
DETAIL "A"
CABLE TRAY



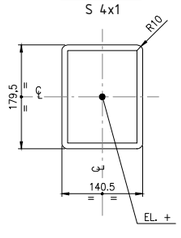
DETAIL "B"
SK 2x1



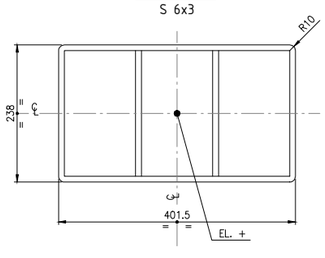
DETAIL "C"
S 4x2



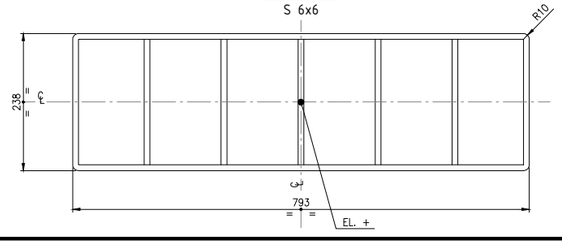
DETAIL "D"
S 4x1

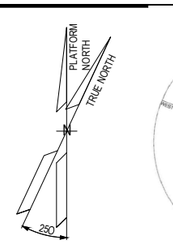


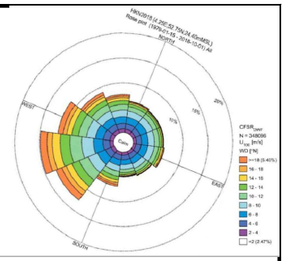
DETAIL "E"
S 6x3



DETAIL "E"
S 6x6







NOTES

GENERAL NOTES:

1. ALL DIMENSIONS IN mm U.N.O
2. ALL ELEVATIONS IN METERS.
3. ALL ELEVATIONS RELATE TO LOWEST ASTRONOMICAL TIDE (LAT) = 0.000.

NOTES:

1. THIS DOCUMENT IS VALID FOR TAGGING, SIZE AND LOCATION OF THE MCT.

LEGEND

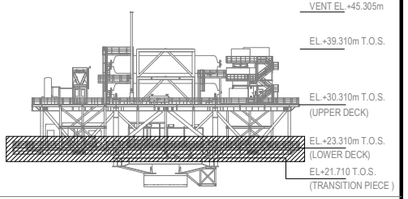
PASSAGE

MCT

TAG	TAGGING
SIZE-MATERIAL	TYPICAL
EL.	ELEVATION

HOLDS

KEY PLAN



REFERENCE DOCUMENTS

123A90-DDL-IN-DL-40087	Instrument and Telecom MCT Layout - Upper Deck
123A90-DDL-PP-DL-70070	Plot Plan - Lower & Upper Deck
123A90-DDL-IN-DS-40072	TDS - Instrument and Telecom MCTs
123A90-DDL-IN-DD-40074	MCT Composition

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	28/06/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	24/04/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

INSTRUMENT AND TELECOM MCT LAYOUT-LOWER DECK
TOS EL. +23.310M

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:100
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 24/04/24
A1	DRAWING NO. 123A90-DDL-IN-DL-40086	SHEET 001	REV. 01

File Name : 123A90-DDL-IN-DL-40086 REV01.dwg

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DL-40086**

REV.:	DATE:	SIGNATURE:
1_B	12/12/24	C.Pilato

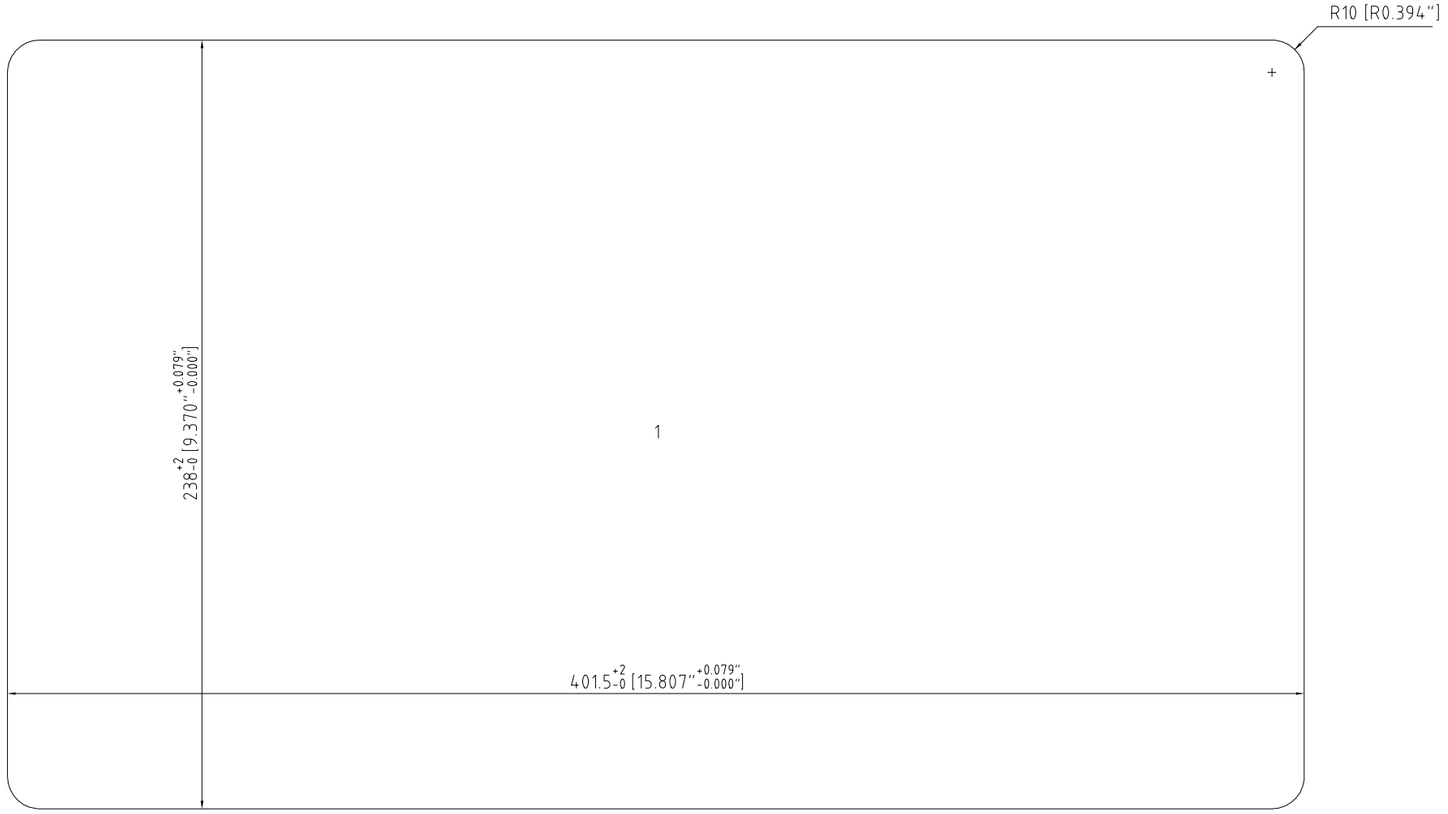
ROSETTI MARINO SpA

RTD Version No: 4.37.11.0

Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

烙克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。



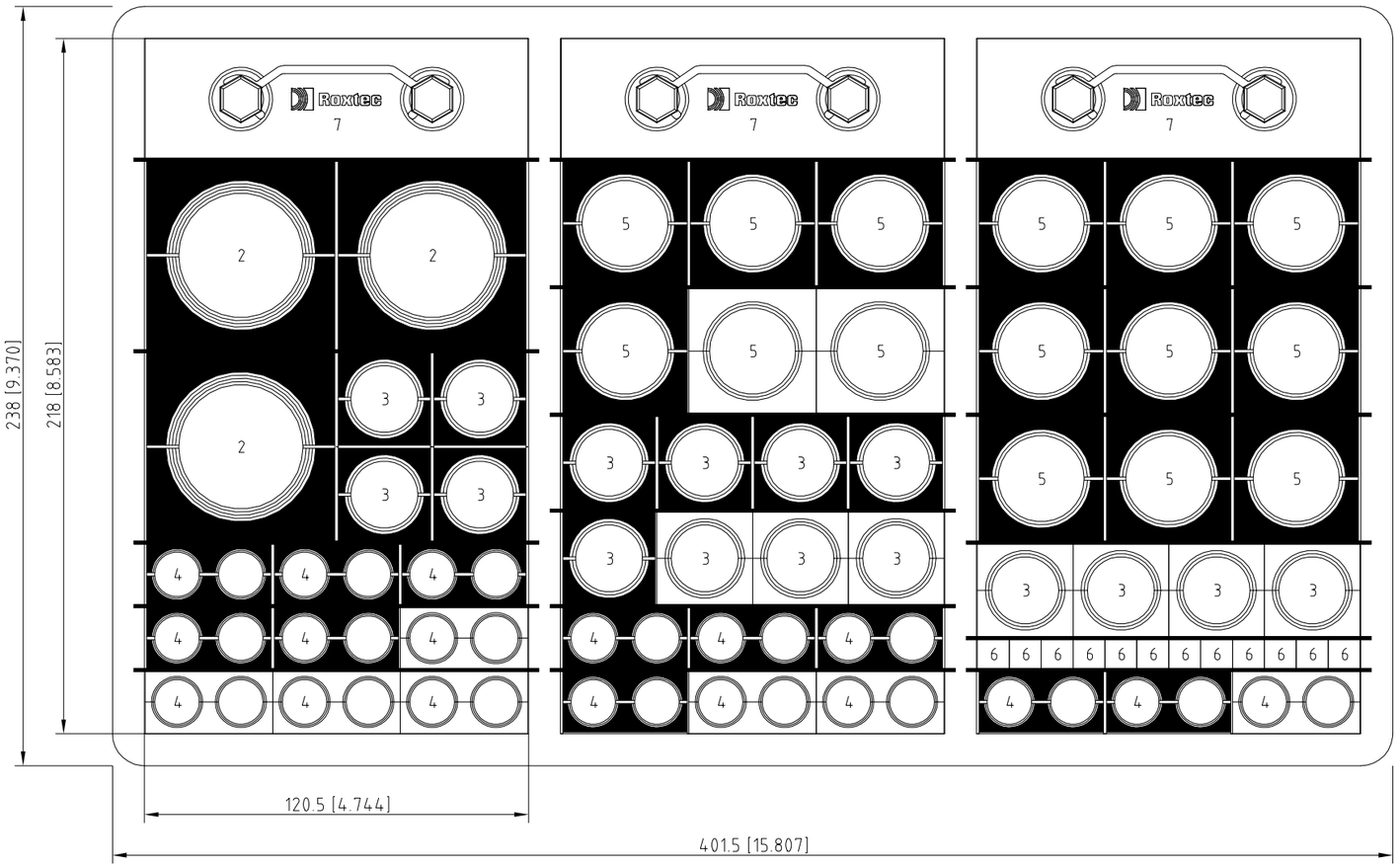
Cutout Detail

Frame: S 6x3 PRIMED Solution: 1

Item	Qty	Roxtec Packing Material	mm ["]	Roxtec Art No	Weight Kg [lb]

Responsible: Rosetti Marino	Created Date: 2024-05-30	Modify Date: 2024-09-30	Project: Base Load Power Hub (BLPH) Location/ Sublocation	TotWeight: 18.8 [41.48]
Roxtec	Format: NTS		Transit name: I-MCT-403	Sheet No: 1/3
	Client		Drawing number: 123A90-DDL-IN-DD-40074	Rev: 01

CUTOUT TO FIT SOLUTION WELDING, 401.5x238 [15.807"x9.370"]



MODULE WITH PIPE | MODULE WITH CABLE | SPARE MODULE | SOLID MODULE

Detail Drawing

Solution: 1

I-MCT-403 - B-400 ITER

Item	Qty	Roxtec Packing Material mm ["]	Roxtec Art No	Weight Kg [lb]
8	17	Stayplate 120 galv	ASP0001200018	0.1 [0.24]
7	3	Wedge 120 galv	ARW0001201018	0.8 [1.76]
6	1	RM 10/0x12	RM00310121000	0.1 [0.22]
5	15	RM 40 21.5-34.5 [0.846"-1.358"]	RM00100401000	0.1 [0.31]
4	18	RM 20W40 3.5-16.5 [0.138"-0.650"]	RM00120401000	0.1 [0.15]
3	16	RM 30 10-25 [0.394"-0.984"]	RM00100301000	0.1 [0.18]
2	3	RM 60 WOC 28-54 [1.102"-2.126"]	RM00000601000	0.3 [0.57]
1	1	S 6x3 PRIMED	S006000000312	7.9 [17.42]

Responsible: Rosetti Marino	Created Date: 2024-05-30	Modify Date: 2024-09-30	Project: Base Load Power Hub (BLPH) Location/ Sublocation	TotWeight: 18.8 [41.48]
Roxtec	Format: NTS		Transit name: I-MCT-403	Sheet No: 2/3
	Client		Drawing number: 123A90-DDL-IN-DD-40074	Rev: 01

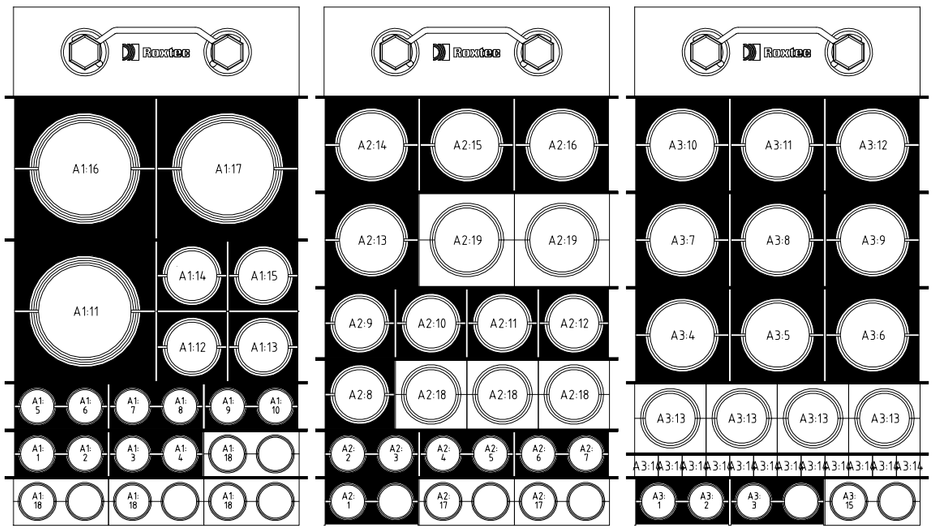
Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

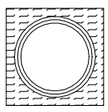
烙克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

A1 A2 A3

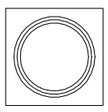
A1 A2 A3

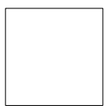


A3:15						RM 20W40 3.5-16.5 [0.138"-0.650"]
A3:14						RM 10/0x12
A3:13						RM 30 10-25 [0.394"-0.984"]
A3:12	6	00-JE-11002/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:11	5	00-JE-11001_2/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:10	4	00-JE-11001_1/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:9	20	950-JE-03103/B400-FGS-002	6x2x0.75 mm2	Ex-d	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:8	8	00-JE-12001_2/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:7	7	00-JE-12001_1/B400-PCS-002	12x2x0.75 mm2	Ex-d	24.8 [0.976"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:6	12	00-JE-21001/B400-SIS-001	12x2x0.75 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:5	13	00-JE-22001_1/B400-SIS-001	12x2x0.75 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:4	15	00-JE-23001/B400-SIS-001	24x2.5 mm2	Ex-d	32.8 [1.291"]	RM 40 21.5-34.5 [0.846"-1.358"]
A3:3	3	50-LP-001/B400-NET-001	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A3:2	2	80-UCP-001/B400-NET-001.02	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A3:1	1	80-UCP-001/B400-NET-001.01	CAT.6A 4x2xAWG23	COMM	10.7 [0.421"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:19						RM 40 21.5-34.5 [0.846"-1.358"]
A2:18						RM 30 10-25 [0.394"-0.984"]
A2:17						RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:16	11	00-JE-13001/B400-PCS-002	24x2.5 mm2	Ex-d	27.8 [1.094"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:15	21	950-JE-06102/B400-FGS-002	6x2x0.75 mm2	Ex-d	25.2 [0.992"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:14	19	950-JE-03102/B400-FGS-002	6x3x2.5 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:13	14	00-JE-22001_2/B400-SIS-001	12x2x0.75 mm2	Ex-d	32.9 [1.295"]	RM 40 21.5-34.5 [0.846"-1.358"]
A2:12	25	950-JE-07101/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 30 10-25 [0.394"-0.984"]
A2:11	24	950-JE-06103/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 30 10-25 [0.394"-0.984"]
A2:10	23	950-JE-03104/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 30 10-25 [0.394"-0.984"]
A2:9	22	950-JE-02104/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 30 10-25 [0.394"-0.984"]
A2:8	34	950-JE-05104/B400-FGS-002	12x2.5 mm2	Ex-d	24.2 [0.953"]	RM 30 10-25 [0.394"-0.984"]
A2:7	29	C-80-XA-003/B400-SIS-001	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:6	28	C-80-XS-001/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:5	32	C-50-XA-003/B400-SIS-001	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:4	31	C-50-XS-001/B400-SIS-001	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:3	27	C-950-MFA-07101/B400-FGS-002	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:2	26	C-950-MFA-02101/B400-FGS-002	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A2:1	35	C-950-MFA-05201/B400-FGS-002	1x2x0.75 mm2	Ex-d	11.7 [0.461"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:18						RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:17	17	950-JE-02102/B400-FGS-002	12x3x2.5 mm2	Ex-d	43.7 [1.720"]	RM 60 WOC 28-54 [1.102"-2.126"]
A1:16	16	950-JE-02101/B400-FGS-002	12x3x2.5 mm2	Ex-d	43.7 [1.720"]	RM 60 WOC 28-54 [1.102"-2.126"]
A1:15	33	50-LP-002/B400-FGS-002	2x2x0.75 mm2	Ex-d	19.3 [0.760"]	RM 30 10-25 [0.394"-0.984"]
A1:14	30	80-UCP-001/B400-FGS-002	2x2x0.75 mm2	Ex-d	19.3 [0.760"]	RM 30 10-25 [0.394"-0.984"]
A1:13	10	00-JE-12003/B400-PCS-002	6x2x0.75 mm2	Ex-d	19.4 [0.764"]	RM 30 10-25 [0.394"-0.984"]
A1:12	9	00-JE-12002/B400-PCS-002	6x2x0.75 mm2	Ex-d	19.4 [0.764"]	RM 30 10-25 [0.394"-0.984"]
A1:11	18	950-JE-03101/B400-FGS-002	12x3x2.5 mm2	Ex-d	43.7 [1.720"]	RM 60 WOC 28-54 [1.102"-2.126"]
A1:10	43	C-77-HY-014/77-HS-014A	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:9	38	C-77-HS-014A/77-HS-014B	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:8	42	C-77-HY-013/77-HS-013A	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:7	37	C-77-HS-013A/77-HS-013B	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:6	41	C-77-HY-012/77-HS-012A	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:5	36	C-77-HS-012A/77-HS-012B	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:4	45	C-77-HY-016/77-HS-016A	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:3	40	C-77-HS-016A/77-HS-016B	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:2	44	C-77-HY-015/77-HS-015A	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
A1:1	39	C-77-HS-015A/77-HS-015B	2x2.5 mm2	Ex-d	14.1 [0.555"]	RM 20W40 3.5-16.5 [0.138"-0.650"]
Pos	Cable ID	Name	Cable Type	Cable Category	OD (mm/ [“])	Module Type


MODULE WITH PIPE


MODULE WITH CABLE


SPARE MODULE


SOLID MODULE

Responsible: Rosetti Marino	Created Date: 2024-05-30	Modify Date: 2024-09-30	Project: Base Load Power Hub (BLPH)	TotWeight: 18.8 [41.48]
Roxtec	Format: NTS		Location/ Sublocation	Sheet No: 3/3
	Client		Transit name: I-MCT-403	
			Drawing number: 123A90-DDL-IN-DD-40074	Rev: 01

Drawing shows component layout according to design. Verification is needed to check if the configuration is valid for the application/certification intended.

All rights reserved. Unauthorized reproduction, use or disclosure to third parties is strictly forbidden.

洛克赛克保留所有权利。未经授权严禁复制，使用以及向第三方泄漏。

POS.	REV.	FEATURE	REQUIRED	MANUFACTURER PROPOSAL	COMMENTS
GENERAL DATA					
1	00	LOCATION	OUTDOOR		
2	00	DEPTH	163 mm		
3	00	CONSTRUCTION TYPE	PRIMED MILD STEEL = PRIMED STAINLESS STEEL = AISI 316		
4	00	TYPE OF INSTALLATION	BY WELDING		
5	00	CLASS	A0		
6	00	BLAST	N.A.		
7	00	POSITION	CONTAINER WALL, FLOOR PENETRATION		
8	00	CERTIFICATION Ex	REQUIRED WHERE INDICATED (Note 1)		

MULTICABLES TRANSIT SYSYTEM - FRAMES				
POS.	REV.	DESCRIPTION	Q.TY	NOTES
		S 4x1 PRIMED	6	Provided by others
		Manufacturer: Roxtec		
		Model: S 4x1 PRIMED		
		S 4x2 PRIMED	4	Provided by others
		Manufacturer: Roxtec		
		Model: S 4x2 PRIMED		
		S 6x3 PRIMED	1	Provided by others
		Manufacturer: Roxtec		
		Model: S 6x3 PRIMED		
		S 6x6 PRIMED	1	Provided by others
		Manufacturer: Roxtec		
		Model: S 6x6 PRIMED		
		SK 2x1 Ex PRIMED Depht 100mm	4	Provided by others
		Manufacturer: Roxtec		
		Model: SK 2x1 Ex PRIMED Depht 100mm		
		SK 4x3 Ex PRIMED Depht 100mm	3	Provided by others
		Manufacturer: Roxtec		
		Model: SK 4x3 Ex PRIMED Depht 100mm		

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as “NOT CONTROLLED” copy

MULTICABLES TRANSIT SYSYTEM - BLOCKS & ACCESSORIES

POS.	REV.	DESCRIPTION	Q.TY	NOTES
		RM 40	72	
		Manufacturer: Roxtec		
		Model: RM 40		
		RM 20W40	219	
		Manufacturer: Roxtec		
		Model: RM 20W40		
		RM 30	92	
		Manufacturer: Roxtec		
		Model: RM 30		
		RM 60 WOC	5	
		Manufacturer: Roxtec		
		Model: RM 60 WOC		
		RM 10/0x12	4	
		Manufacturer: Roxtec		
		Model: RM 10/0x12		
		Wedge 120 Galv	23	
		Manufacturer: Roxtec		
		Model: Wedge 120 Galv		
		Stayplate 120 Galv	123	
		Manufacturer: Roxtec		
		Model: Stayplate 120 Galv		
		RM 20W40 EX	54	Note 1
		Manufacturer: Roxtec		
		Model: RM 20W40 EX		
		RM 30 EX	48	Note 1
		Manufacturer: Roxtec		
		Model: RM 30 EX		
		RM 40 EX	33	Note 1
		Manufacturer: Roxtec		
		Model: RM 40 EX		
		RM 60 WOC EX	4	Note 1
		Manufacturer: Roxtec		
		Model: RM 60 WOC EX		
		~~RM 60/24-54 EX~~	~~2~~	~~Note 1~~
		~~Manufacturer: Roxtec~~		
		~~Model: (*)~~		
		RM 10/0x12 EX	4	Note 1
		Manufacturer: Roxtec		
		Model: RM 10/0x12 EX		
		Wedge 120 Ex Galv	13	Note 1
		Manufacturer: Roxtec		
		Model: Wedge 120 Ex Galv		
		Stayplate 120 Ex Galv	47	Note 1
		Manufacturer: Roxtec		
		Model: Stayplate 120 Ex Galv		
		RS 43 W Ex AISI 316/AISI 316	3	Note 1
		Manufacturer: Roxtec		
		Model: RS 43 W Ex AISI 316/AISI 316		
		Lubrificant 25 ml	(*)	
		Manufacturer: STD Vendor		
		Model: STD Vendor		

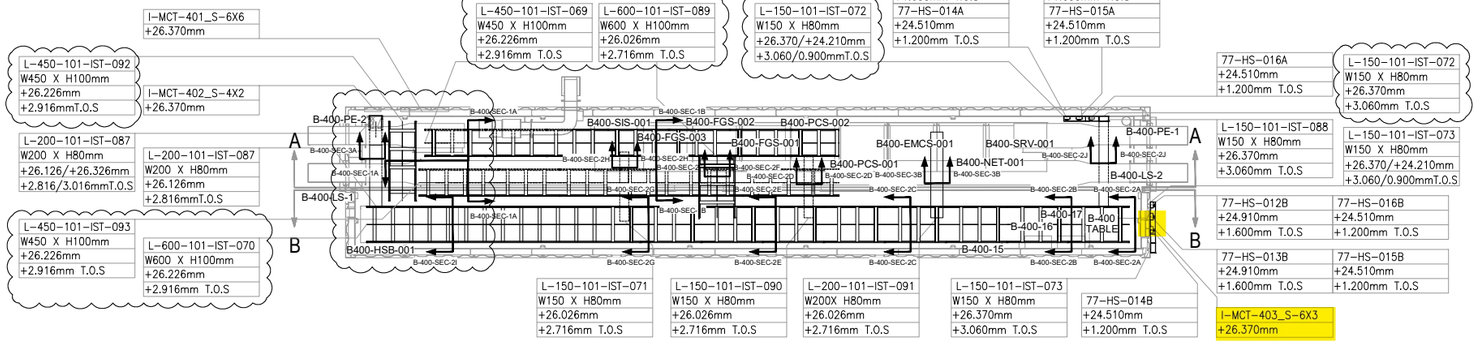
NOTES:

1) Frame, modules and other accessories shall have ATEX Certification

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

DRAWING NO. 123A90-DDL-IN-DL-40116

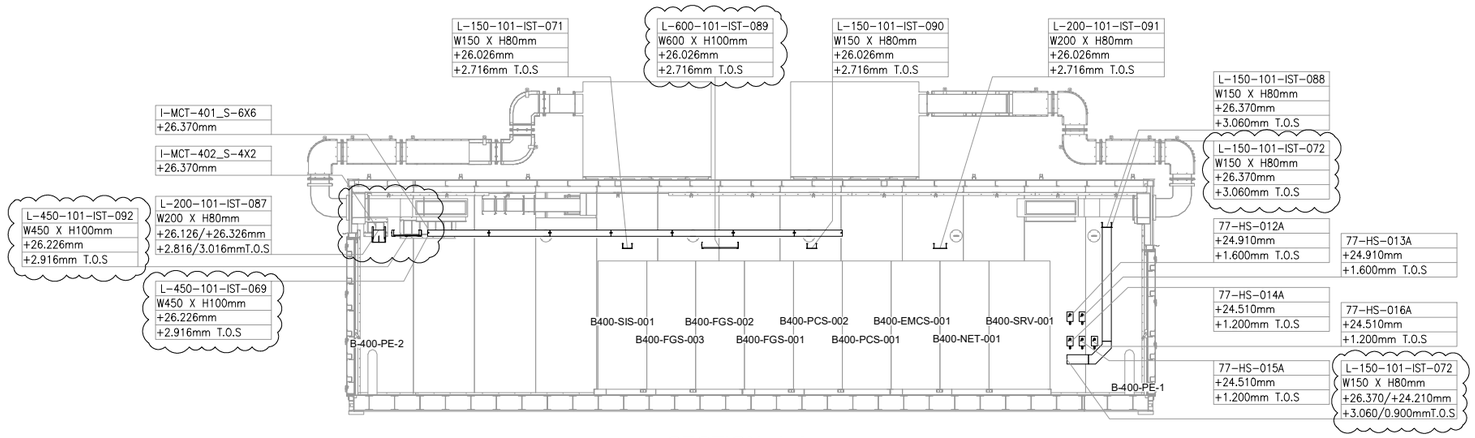
REV. 01



PLAN VIEW

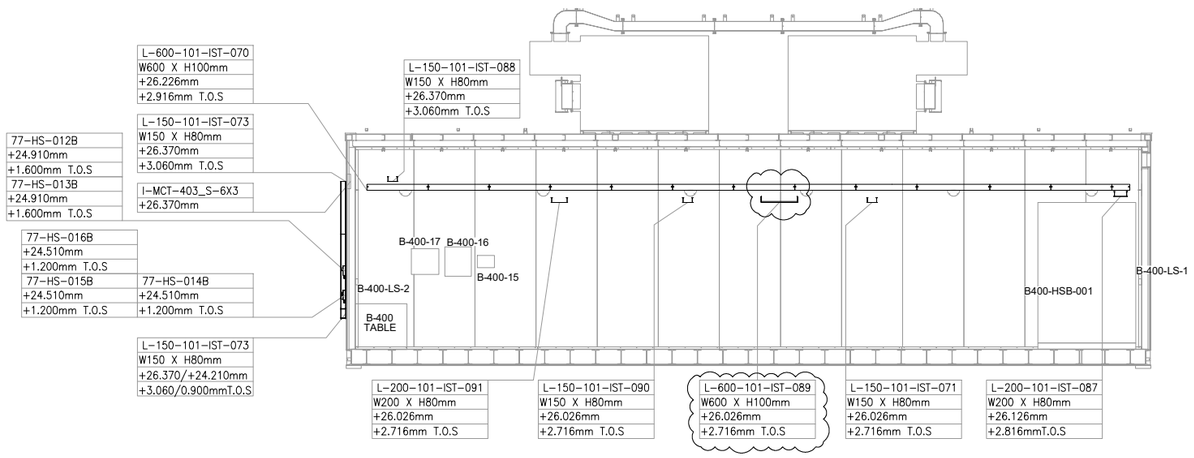
B-400 – I&T EQUIPMENT ROOM

SCALE-1:1



SECTION A-A

SCALE-1:1



SECTION B-B

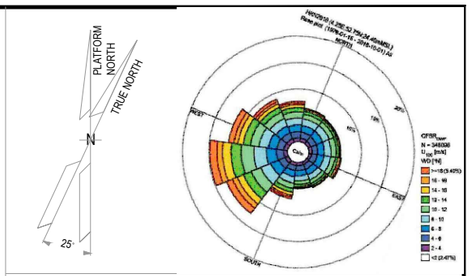
SCALE-1:1

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA



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 CONTAINER CABLE TRAY LAYOUT.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-IN-DL-40081	INSTRUMENT LAYOUT - UPPER DECK
123A90-DDL-IN-LIS-40091	INSTRUMENT CABLE LIST
123A90-DDL-IN-DG-40015	INSTRUMENT-CCS WIRING DIAGRAMS
123A90-DDL-IN-DG-40016	INSTRUMENT-SAFETY SYSTEM WIRING DIAGRAMS
123A90-DDL-IN-DL-40083	INSTRUMENT MAIN CABLES ROUTING-LOWER DECK

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE 1:50
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 04/10/24

A1	DRAWING NO. 123A90-DDL-IN-DL-40116	SHEET 001	REV. 01

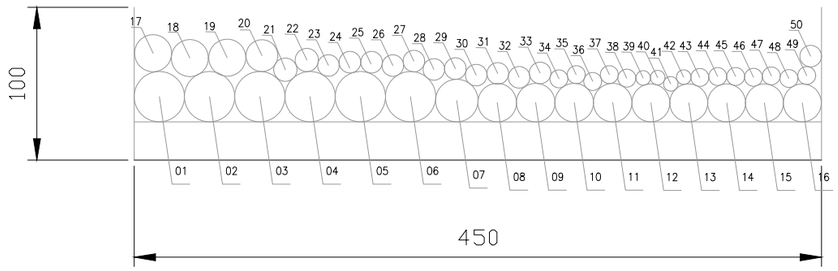
File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

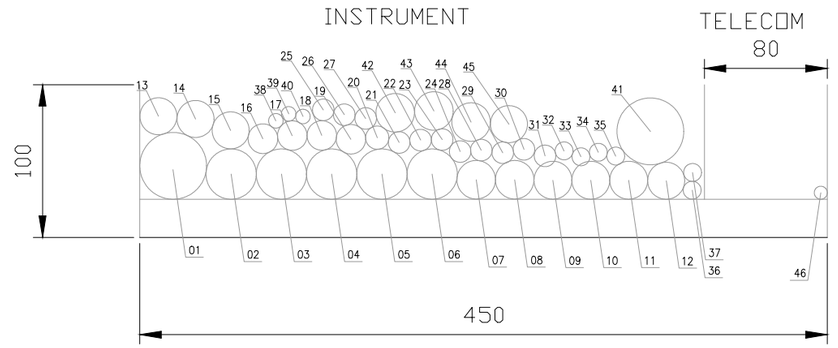
<01>

B-400-SEC-1A-L-450-101-IST-093



B-400-SEC-1A-L-450-101-IST-093				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-04201/B400-FGS-002	950-JE-04201	B400-FGS-002	6x3x2,5 mm2
2	950-JE-04205/B400-FGS-002	950-JE-04205	B400-FGS-002	6x3x2,5 mm2
3	950-JE-02103/B400-FGS-002	950-JE-02103	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21002/B400-SIS-001	00-JE-21002	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22002_1/B400-SIS-001	00-JE-22002_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22002_2/B400-SIS-001	00-JE-22002_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13002/B400-PCS-002	00-JE-13002	B400-PCS-002	24x2,5 mm2
8	950-JE-04102/B400-FGS-002	950-JE-04102	B400-FGS-002	6x2x0,75 mm2
9	950-JE-05102/B400-FGS-002	950-JE-05102	B400-FGS-002	6x2x0,75 mm2
10	B200-HSB-001/B400-FGS-002	950-JE-04202	B400-FGS-002	6x2x0,75 mm2
11	B300-HSB-001/B400-FGS-002	950-JE-04206	B400-FGS-002	6x2x0,75 mm2
12	00-JE-11003_1/B400-PCS-002	00-JE-11003_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-11003_2/B400-PCS-002	00-JE-11003_2	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12004_1/B400-PCS-002	00-JE-12004_1	B400-PCS-002	12x2x0,75 mm2
15	00-JE-12004_2/B400-PCS-002	00-JE-12004_2	B400-PCS-002	12x2x0,75 mm2
16	00-JE-12005/B400-PCS-002	00-JE-12005	B400-PCS-002	12x2x0,75 mm2
17	00-JE-23002/B400-SIS-001	00-JE-23002	B400-SIS-001	12x2,5 mm2
18	UP-200F3/B400-SIS-001	UP-200F3	B400-SIS-001	12x2,5 mm2
19	950-JE-04207/B400-FGS-002	950-JE-04207	B400-FGS-002	12x2,5 mm2
20	00-JE-13003/B400-PCS-002	00-JE-13003	B400-PCS-002	12x2,5 mm2
21	C-B200-TIR-001/B400-PCS-002	B200-TIR-001	B400-PCS-002	2x2x0,75 mm2
22	C-B300-TIR-001/B400-PCS-002	B300-TIR-001	B400-PCS-002	2x2x0,75 mm2
23	C-77-XS-002/B400-SIS-001	77-XS-002	B400-SIS-001	2x2,5 mm2
24	C-77-XS-003/B400-SIS-001	77-XS-003	B400-SIS-001	2x2,5 mm2
25	C-SG-200N1-001/B400-SIS-001	SG-200N1-001	B400-SIS-001	2x2,5 mm2
26	C-SG-200N1-002/B400-SIS-001	SG-200N1-002	B400-SIS-001	2x2,5 mm2
27	C-CB-200F3A/B400-SIS-001	CB-200F3A	B400-SIS-001	2x2,5 mm2
28	C-CB-200F3B/B400-SIS-001	CB-200F3B	B400-SIS-001	2x2,5 mm2
29	C-CB-200F4A/B400-SIS-001	CB-200F4A	B400-SIS-001	2x2,5 mm2
30	C-CB-200F4B/B400-SIS-001	CB-200F4B	B400-SIS-001	2x2,5 mm2
31	C-UP-200F4/B400-SIS-001	UP-200F4	B400-SIS-001	2x2,5 mm2
32	C-NC-200F2/B400-FGS-002.01	N200F2	B400-FGS-002.01	1x2x0.75 mm2
33	C-NC-200F2/B400-FGS-002.02	N200F2	B400-FGS-002.02	2x2.5 mm2
34	C-NC-200F2/B400-SIS-001	N200F2	B400-SIS-001	2x2.5 mm2
35	C-77-XA-002/B400-SIS-001	77-XA-002	B400-SIS-001	1x2x0,75 mm2
36	C-77-XA-003/B400-SIS-001	77-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-04203/B400-FGS-002	950-MFA-04203	B400-FGS-002	1x2x0,75 mm2
38	C-950-MFA-04202/B400-FGS-002	950-MFA-04202	B400-FGS-002	1x2x0,75 mm2
39	C-B200-TDC-001/B400-PCS-002	B200-TD001	B400-PCS-002	1x2x0,75 mm2
40	C-B200-TDC-002/B400-PCS-002	B200-TD002	B400-PCS-002	1x2x0,75 mm2
41	C-B300-TDC-001/B400-PCS-002	B300-TD001	B400-PCS-002	1x2x0,75 mm2
42	C-B300-TDC-002/B400-PCS-002	B300-TD002	B400-PCS-002	1x2x0,75 mm2
43	C-950-SDZ-04201/B400-FGS-002	950-SDZ-04201	B400-FGS-002	1x2x0.75 mm2
44	C-950-SDZ-04202/B400-FGS-002	950-SDZ-04202	B400-FGS-002	1x2x0.75 mm2
45	C-950-SDZ-04203/B400-FGS-002	950-SDZ-04203	B400-FGS-002	1x2x0.75 mm2
46	C-950-GDZ-04201/B400-FGS-002	950-GDZ-04201	B400-FGS-002	1x2x0.75 mm2
47	C-950-GDZ-04202/B400-FGS-002	950-GDZ-04202	B400-FGS-002	1x2x0.75 mm2
48	C-950-GDZ-04203/B400-FGS-002	950-GDZ-04203	B400-FGS-002	1x2x0.75 mm2
49	C-77-ZSL-016/B400-FGS-002	77-ZSL-016	B400-FGS-002	1x2x0.75 mm2
50	C-77-HY-016/77-HS-016A	77-HY-016	77-HS-016A	2x2.5 mm2

B-400-SEC-1A-L-450-101-IST-069



B-400-SEC-1A-L-450-101-IST-069				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-05101/B400-FGS-002	950-JE-05101	B400-FGS-002	12x3x2,5 mm2
2	950-JE-01101/B400-FGS-002	950-JE-01101	B400-FGS-002	6x3x2,5 mm2
3	950-JE-04101/B400-FGS-002	950-JE-04101	B400-FGS-002	6x3x2,5 mm2
4	950-JE-06101/B400-FGS-002	950-JE-06101	B400-FGS-002	6x3x2,5 mm2
5	950-JE-06201/B400-FGS-002	950-JE-06201	B400-FGS-002	6x3x2,5 mm2
6	950-JE-01102/B400-FGS-002	950-JE-01102	B400-FGS-002	6x3x2,5 mm2
7	B100-HSB-001/B400-FGS-002	950-JE-06202	B400-FGS-002	6x2x0,75 mm2
8	950-JE-01103/B400-FGS-002	950-JE-01103	B400-FGS-002	6x2x0,75 mm2
9	00-JE-11004/B400-PCS-002	00-JE-11004	B400-PCS-002	12x2x0,75 mm2
10	00-JE-12006_1/B400-PCS-002	00-JE-12006_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-12006_2/B400-PCS-002	00-JE-12006_2	B400-PCS-002	12x2x0,75 mm2
12	950-JE-01104/B400-FGS-002	950-JE-01104	B400-FGS-002	12x2,5 mm2
13	950-JE-04103/B400-FGS-002	950-JE-04103	B400-FGS-002	12x2,5 mm2
14	950-JE-05103/B400-FGS-002	950-JE-05103	B400-FGS-002	12x2,5 mm2
15	950-JE-06203/B400-FGS-002	950-JE-06203	B400-FGS-002	12x2,5 mm2
16	00-JE-11005/B400-PCS-002	00-JE-11005	B400-PCS-002	6x2x0,75 mm2
17	20-UCP-001/B400-FGS-002	20-UCP-001	B400-FGS-002	2x2x0,75 mm2
18	P320PLC/B400-FGS-002	P320 PLC	B400-FGS-002	2x2x0,75 mm2
19	P320PLC/B400-SIS-001	P320 PLC	B400-SIS-001	2x2x0,75 mm2
20	C-B100-TIR-001/B400-PCS-002	B100-TIR-001	B400-PCS-002	2x2x0,75 mm2
21	C-85-XS-001/B400-SIS-001	85-XS-001	B400-SIS-001	2x2,5 mm2
22	C-20-XS-001/B400-SIS-001	20-XS-001	B400-SIS-001	2x2,5 mm2
23	C-63-XS-001/B400-SIS-001	63-XS-001	B400-SIS-001	2x2,5 mm2
24	C-64-XS-001/B400-SIS-001	64-XS-001	B400-SIS-001	2x2,5 mm2
25	C-77-XS-001/B400-SIS-001	77-XS-001	B400-SIS-001	2x2,5 mm2
26	C-CP-100E1/B400-SIS-001	CP-100E1	B400-SIS-001	2x2,5 mm2
27	C-SG-100D1-001/B400-SIS-001	SG-100D1-001	B400-SIS-001	2x2,5 mm2
28	C-SG-100D1-002/B400-SIS-001	SG-100D1-002	B400-SIS-001	2x2,5 mm2
29	C-SG-100D1-003/B400-SIS-001	SG-100D1-003	B400-SIS-001	2x2,5 mm2
30	C-CB-200F1/B400-SIS-001	CB-200F1	B400-SIS-001	2x2,5 mm2
31	C-UP-200F1/B400-SIS-001	UP-200F1	B400-SIS-001	2x2,5 mm2
32	C-77-XA-001/B400-SIS-001	77-XA-001	B400-SIS-001	1x2x0,75 mm2
33	C-63-PT-004/B400-SIS-001	63-PT-004	B400-SIS-001	1x2x0,75 mm2
34	C-20-XA-003/B400-SIS-001	20-XA-003	B400-SIS-001	1x2x0,75 mm2
35	C-63-XA-003/B400-SIS-001	63-XA-003	B400-SIS-001	1x2x0,75 mm2
36	C-64-XA-003/B400-SIS-001	64-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-06201/B400-FGS-002	950-MFA-06201	B400-FGS-002	1x2x0,75 mm2
38	C-63-PT-003/B400-PCS-002	63-PT-003	B400-PCS-002	1x2x0,75 mm2
39	C-B100-TDC-001/B400-PCS-002	B100-TDC001	B400-PCS-002	1x2x0,75 mm2
40	C-B100-TDC-002/B400-PCS-002	B100-TDC002	B400-PCS-002	1x2x0,75 mm2
41	950-JE-03101/B400-FGS-002	950-JE-03101	B400-FGS-002	12x3x2.5 mm2
42	950-JE-06204/B400-FGS-002	950-JE-06204	B400-FGS-002	6x2x0.75 mm2
43	950-JE-04204/B400-FGS-002	950-JE-04204	B400-FGS-002	6x2x0.75 mm2
44	950-JE-04208/B400-FGS-002	950-JE-04208	B400-FGS-002	6x2x0.75 mm2
45	950-JE-04203/B400-FGS-002	950-JE-04203	B400-FGS-002	12x2.5 mm2
46	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
47	C-GPSANT/B400-NET-001	C-GPSANT	B400-NET-001	STD-VENDOR

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck - TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 002 | REV. 01

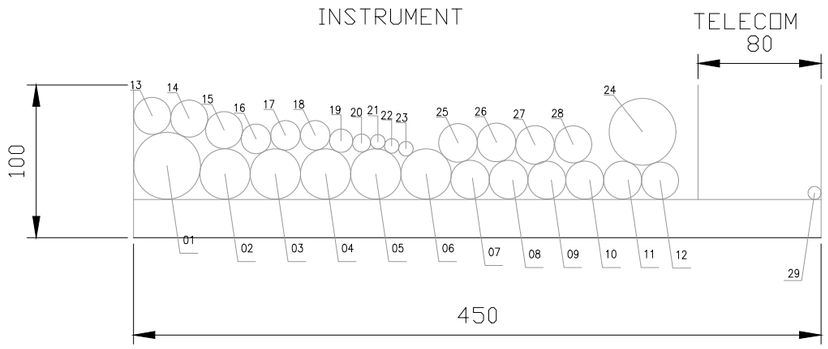
File Name : 123A90-DDL-IN-DL-40116 REV01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

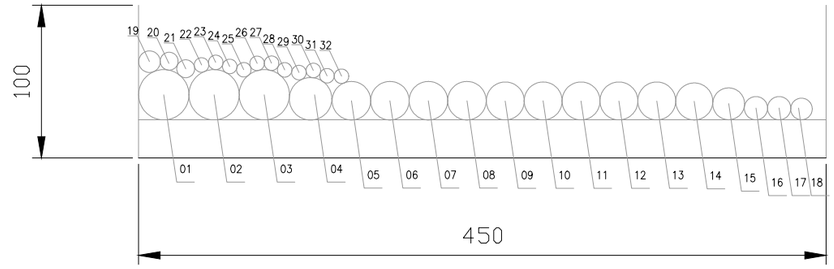
<01>

B-400-SEC-1B-L-450-101-IST-069



B-400-SEC-1B-L-450-101-IST-069				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-05101/B400-FGS-002	950-JE-05101	B400-FGS-002	12x3x2,5 mm2
2	950-JE-01101/B400-FGS-002	950-JE-01101	B400-FGS-002	6x3x2,5 mm2
3	950-JE-04101/B400-FGS-002	950-JE-04101	B400-FGS-002	6x3x2,5 mm2
4	950-JE-06101/B400-FGS-002	950-JE-06101	B400-FGS-002	6x3x2,5 mm2
5	950-JE-06201/B400-FGS-002	950-JE-06201	B400-FGS-002	6x3x2,5 mm2
6	950-JE-01102/B400-FGS-002	950-JE-01102	B400-FGS-002	6x3x2,5 mm2
7	B100-HSB-001/B400-FGS-002	950-JE-06202	B400-FGS-002	6x2x0,75 mm2
8	950-JE-01103/B400-FGS-002	950-JE-01103	B400-FGS-002	6x2x0,75 mm2
9	00-JE-11004/B400-PCS-002	00-JE-11004	B400-PCS-002	12x2x0,75 mm2
10	00-JE-12006_1/B400-PCS-002	00-JE-12006_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-12006_2/B400-PCS-002	00-JE-12006_2	B400-PCS-002	12x2x0,75 mm2
12	950-JE-01104/B400-FGS-002	950-JE-01104	B400-FGS-002	12x2,5 mm2
13	950-JE-04103/B400-FGS-002	950-JE-04103	B400-FGS-002	12x2,5 mm2
14	950-JE-05103/B400-FGS-002	950-JE-05103	B400-FGS-002	12x2,5 mm2
15	950-JE-06203/B400-FGS-002	950-JE-06203	B400-FGS-002	12x2,5 mm2
16	00-JE-11005/B400-PCS-002	00-JE-11005	B400-PCS-002	6x2x0,75 mm2
17	20-UCP-001/B400-FGS-002	20-UCP-001	B400-FGS-002	2x2x0,75 mm2
18	P320PLC/B400-FGS-002	P320 PLC	B400-FGS-002	2x2x0,75 mm2
19	C-B100-TIR-001/B400-PCS-002	B100-TIR-001	B400-PCS-002	2x2x0,75 mm2
20	C-950-MFA-06201/B400-FGS-002	950-MFA-06201	B400-FGS-002	1x2x0,75 mm2
21	C-63-PT-003/B400-PCS-002	63-PT-003	B400-PCS-002	1x2x0,75 mm2
22	C-B100-TDC-001/B400-PCS-002	B100-TDC001	B400-PCS-002	1x2x0,75 mm2
23	C-B100-TDC-002/B400-PCS-002	B100-TDC002	B400-PCS-002	1x2x0,75 mm2
24	950-JE-03101/B400-FGS-002	950-JE-03101	B400-FGS-002	12x3x2.5 mm2
25	950-JE-06204/B400-FGS-002	950-JE-06204	B400-FGS-002	6x2x0,75 mm2
26	950-JE-04204/B400-FGS-002	950-JE-04204	B400-FGS-002	6x2x0,75 mm2
27	950-JE-04208/B400-FGS-002	950-JE-04208	B400-FGS-002	6x2x0,75 mm2
28	950-JE-04203/B400-FGS-002	950-JE-04203	B400-FGS-002	12x2,5 mm2
29	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
30	C-GPSANT/B400-NET-001	C-GPSANT	B400-NET-001	STD-VENDOR

B-400-SEC-1B-L-450-101-IST-093



B-400-SEC-1B-L-450-101-IST-093				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-04201/B400-FGS-002	950-JE-04201	B400-FGS-002	6x3x2,5 mm2
2	950-JE-04205/B400-FGS-002	950-JE-04205	B400-FGS-002	6x3x2,5 mm2
3	950-JE-02103/B400-FGS-002	950-JE-02103	B400-FGS-002	6x3x2,5 mm2
4	00-JE-13002/B400-PCS-002	00-JE-13002	B400-PCS-002	24x2,5 mm2
5	950-JE-04102/B400-FGS-002	950-JE-04102	B400-FGS-002	6x2x0,75 mm2
6	950-JE-05102/B400-FGS-002	950-JE-05102	B400-FGS-002	6x2x0,75 mm2
7	B200-HSB-001/B400-FGS-002	950-JE-04202	B400-FGS-002	6x2x0,75 mm2
8	B300-HSB-001/B400-FGS-002	950-JE-04206	B400-FGS-002	6x2x0,75 mm2
9	00-JE-11003_1/B400-PCS-002	00-JE-11003_1	B400-PCS-002	12x2x0,75 mm2
10	00-JE-11003_2/B400-PCS-002	00-JE-11003_2	B400-PCS-002	12x2x0,75 mm2
11	00-JE-12004_1/B400-PCS-002	00-JE-12004_1	B400-PCS-002	12x2x0,75 mm2
12	00-JE-12004_2/B400-PCS-002	00-JE-12004_2	B400-PCS-002	12x2x0,75 mm2
13	00-JE-12005/B400-PCS-002	00-JE-12005	B400-PCS-002	12x2x0,75 mm2
14	950-JE-04207/B400-FGS-002	950-JE-04207	B400-FGS-002	12x2,5 mm2
15	00-JE-13003/B400-PCS-002	00-JE-13003	B400-PCS-002	12x2,5 mm2
16	C-B200-TIR-001/B400-PCS-002	B200-TIR-001	B400-PCS-002	2x2x0,75 mm2
17	C-B300-TIR-001/B400-PCS-002	B300-TIR-001	B400-PCS-002	2x2x0,75 mm2
18	C-NC-200F2/B400-FGS-002.01	N200F2	B400-FGS-002.01	1x2x0.75 mm2
19	C-NC-200F2/B400-FGS-002.02	N200F2	B400-FGS-002.02	2x2.5 mm2
20	C-950-MFA-04203/B400-FGS-002	950-MFA-04203	B400-FGS-002	1x2x0,75 mm2
21	C-950-MFA-04202/B400-FGS-002	950-MFA-04202	B400-FGS-002	1x2x0,75 mm2
22	C-B200-TDC-001/B400-PCS-002	B200-TD001	B400-PCS-002	1x2x0,75 mm2
23	C-B200-TDC-002/B400-PCS-002	B200-TD002	B400-PCS-002	1x2x0,75 mm2
24	C-B300-TDC-001/B400-PCS-002	B300-TD001	B400-PCS-002	1x2x0,75 mm2
25	C-B300-TDC-002/B400-PCS-002	B300-TD002	B400-PCS-002	1x2x0,75 mm2
26	C-950-SDZ-04201/B400-FGS-002	950-SDZ-04201	B400-FGS-002	1x2x0.75 mm2
27	C-950-SDZ-04202/B400-FGS-002	950-SDZ-04202	B400-FGS-002	1x2x0.75 mm2
28	C-950-SDZ-04203/B400-FGS-002	950-SDZ-04203	B400-FGS-002	1x2x0.75 mm2
29	C-950-GDZ-04201/B400-FGS-002	950-GDZ-04201	B400-FGS-002	1x2x0.75 mm2
30	C-950-GDZ-04202/B400-FGS-002	950-GDZ-04202	B400-FGS-002	1x2x0.75 mm2
31	C-950-GDZ-04203/B400-FGS-002	950-GDZ-04203	B400-FGS-002	1x2x0.75 mm2
32	C-77-ZSL-016/B400-FGS-002	77-ZSL-016	B400-FGS-002	1x2x0.75 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :

BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck - TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

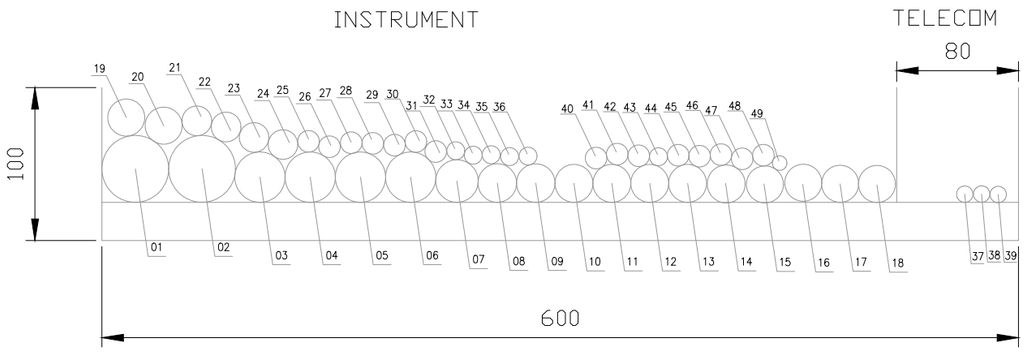
A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 003 | REV. 01

File Name : 123A90-DDL-IN-DL-40116 REV01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

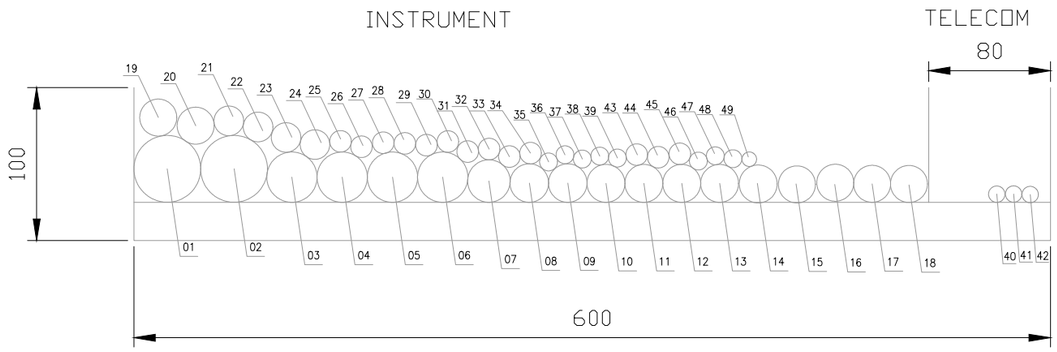
REV. 01

B-400-SEC-2A-L-600-101-IST-070



B-400-SEC-2A-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13001/B400-PCS-002	00-JE-13001	B400-PCS-002	24x2,5 mm2
8	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
9	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
10	00-JE-11001_1/B400-PCS-002	00-JE-11001_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-11001_2/B400-PCS-002	00-JE-11001_2	B400-PCS-002	12x2x0,75 mm2
12	00-JE-11002/B400-PCS-002	00-JE-11002_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-12001_1/B400-PCS-002	00-JE-12001_1	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12001_2/B400-PCS-002	00-JE-12001_2	B400-PCS-002	12x2x0,75 mm2
15	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
16	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
17	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
18	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
19	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
20	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
21	00-JE-12002/B400-PCS-002	00-JE-12002	B400-PCS-002	6x2x0,75 mm2
22	00-JE-12003/B400-PCS-002	00-JE-12003	B400-PCS-002	6x2x0,75 mm2
23	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0.75 mm2
24	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
25	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
26	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
27	C-77-HS-012A/77-HS-012B	77-HS-012A	77-HS-012B	2x2,5 mm2
28	C-77-HS-013A/77-HS-013B	77-HS-013A	77-HS-013B	2x2,5 mm2
29	C-77-HS-014A/77-HS-014B	77-HS-014A	77-HS-015B	2x2,5 mm2
30	C-77-HS-015A/77-HS-015B	77-HS-015A	77-HS-015B	2x2,5 mm2
31	C-77-HS-016A/77-HS-016B	77-HS-016A	77-HS-016B	2x2,5 mm2
32	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
33	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
34	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
35	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
36	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
37	80-UCP-001/B400-NET-001.01	80-UCP-001	B400-NET-001.01	CAT.6A 4x2xAWG23
38	80-UCP-001/B400-NET-001.02	80-UCP-001	B400-NET-001.02	CAT.6A 4x2xAWG23
39	50-LP-001/B400-NET-001	50-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
40	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2.5 mm2
41	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2.5 mm2
42	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2.5 mm2
43	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0.75 mm2
44	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2.5 mm2
45	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2.5 mm2
46	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2.5 mm2
47	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2.5 mm2
48	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2.5 mm2
49	C-B400-TDC-001/B400-PCS-002	B400-TDC-001	B400-PCS-002	1x2x0.75 mm2

B-400-SEC-2B-L-600-101-IST-070 <01>



B-400-SEC-2B-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13001/B400-PCS-002	00-JE-13001	B400-PCS-002	24x2,5 mm2
8	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
9	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
10	00-JE-11001_1/B400-PCS-002	00-JE-11001_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-11001_2/B400-PCS-002	00-JE-11001_2	B400-PCS-002	12x2x0,75 mm2
12	00-JE-11002/B400-PCS-002	00-JE-11002_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-12001_1/B400-PCS-002	00-JE-12001_1	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12001_2/B400-PCS-002	00-JE-12001_2	B400-PCS-002	12x2x0,75 mm2
15	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
16	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
17	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
18	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
19	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
20	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
21	00-JE-12002/B400-PCS-002	00-JE-12002	B400-PCS-002	6x2x0,75 mm2
22	00-JE-12003/B400-PCS-002	00-JE-12003	B400-PCS-002	6x2x0,75 mm2
23	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0.75 mm2
24	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
25	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
26	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
27	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2,5 mm2
28	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
29	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2,5 mm2
30	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
31	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2,5 mm2
32	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2,5 mm2
33	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2,5 mm2
34	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2,5 mm2
35	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
36	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
38	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
39	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
40	80-UCP-001/B400-NET-001.01	80-UCP-001	B400-NET-001.01	CAT.6A 4x2xAWG23
41	80-UCP-001/B400-NET-001.02	80-UCP-001	B400-NET-001.02	CAT.6A 4x2xAWG23
42	50-LP-001/B400-NET-001	50-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
43	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2.5 mm2
44	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2.5 mm2
45	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2.5 mm2
46	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0.75 mm2
47	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0.75 mm2
48	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0.75 mm2
49	C-B400-TDC-001/B400-PCS-002	B400-TDC-001	B400-PCS-002	1x2x0.75 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 004 | REV. 01

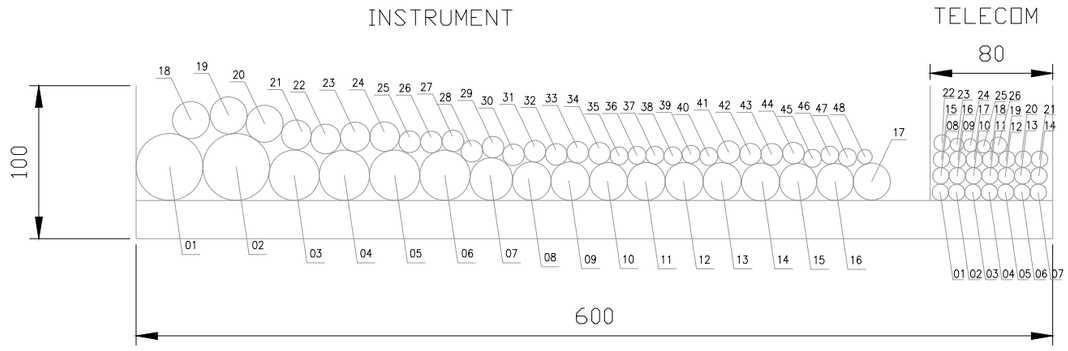
File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

<01>

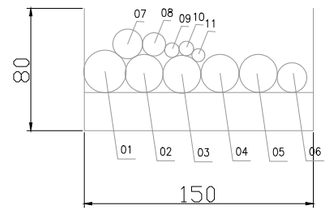
B-400-SEC-2C-L-600-101-IST-070



B-400-SEC-2C-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13001/B400-PCS-002	00-JE-13001	B400-PCS-002	24x2,5 mm2
8	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
9	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
10	00-JE-11001_1/B400-PCS-002	00-JE-11001_1	B400-PCS-002	12x2x0,75 mm2
11	00-JE-11001_2/B400-PCS-002	00-JE-11001_2	B400-PCS-002	12x2x0,75 mm2
12	00-JE-11002/B400-PCS-002	00-JE-11002_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-12001_1/B400-PCS-002	00-JE-12001_1	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12001_2/B400-PCS-002	00-JE-12001_2	B400-PCS-002	12x2x0,75 mm2
15	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
16	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
17	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
18	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
19	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
20	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
21	00-JE-12002/B400-PCS-002	00-JE-12002	B400-PCS-002	6x2x0,75 mm2
22	00-JE-12003/B400-PCS-002	00-JE-12003	B400-PCS-002	6x2x0,75 mm2
23	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0.75 mm2
24	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
25	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
26	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
27	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2,5 mm2
28	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
29	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2,5 mm2
30	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
31	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2,5 mm2
32	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2,5 mm2
33	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2,5 mm2
34	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2,5 mm2
35	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
36	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
38	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
39	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
40	C-950-SDZ-04206/B400-FGS-002	950-SDZ-04206	B400-FGS-002	1x2x0,75 mm2
41	C-950-GDZ-04206/B400-FGS-002	950-GDZ-04206	B400-FGS-002	3x2,5 mm2
42	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2,5 mm2
43	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2,5 mm2
44	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2,5 mm2
45	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0.75 mm2
46	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0.75 mm2
47	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0.75 mm2
48	C-B400-TDC-001/B400-PCS-002	B400-TDC-001	B400-PCS-002	1x2x0.75 mm2

B-400-SEC-2C-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
24	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2
25	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
26	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
27	C-GPSANT/B400-NET-001	GPSANT	B400-NET-001	STD-VENDOR

B-400-SEC-2D-L-150-101-IST-090



B-400-SEC-2D-L-150-101-IST-090				
POS	CABLE NAME	FROM	TO	FORMATION
1	00-JE-13001/B400-PCS-002	00-JE-13001	B400-PCS-002	24x2,5 mm2
2	00-JE-11001_1/B400-PCS-002	00-JE-11001_1	B400-PCS-002	12x2x0,75 mm2
3	00-JE-11001_2/B400-PCS-002	00-JE-11001_2	B400-PCS-002	12x2x0,75 mm2
4	00-JE-12001_1/B400-PCS-002	00-JE-12001_1	B400-PCS-002	12x2x0,75 mm2
5	00-JE-12001_2/B400-PCS-002	00-JE-12001_2	B400-PCS-002	12x2x0,75 mm2
6	00-JE-12002/B400-PCS-002	00-JE-12002	B400-PCS-002	6x2x0,75 mm2
7	00-JE-12003/B400-PCS-002	00-JE-12003	B400-PCS-002	6x2x0,75 mm2
8	C-B400-TIR-001/B400-PCS-002	B400-TIR-001	B400-PCS-002	2x2x0.75 mm2
9	C-B400-TDC-001/B400-PCS-002	B400-TDC-001	B400-PCS-002	1x2x0.75 mm2
10	C-B400-TDC-002/B400-PCS-002	B400-TDC-002	B400-PCS-002	1x2x0.75 mm2
11	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
12	C-GPSANT/B400-NET-001	GPSANT	B400-NET-001	STD-VENDOR

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 04/10/24

A1	DRAWING NO. 123A90-DDL-IN-DL-40116	SHEET 005	REV. 01

File Name : 123A90-DDL-IN-DL-40116 REV01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

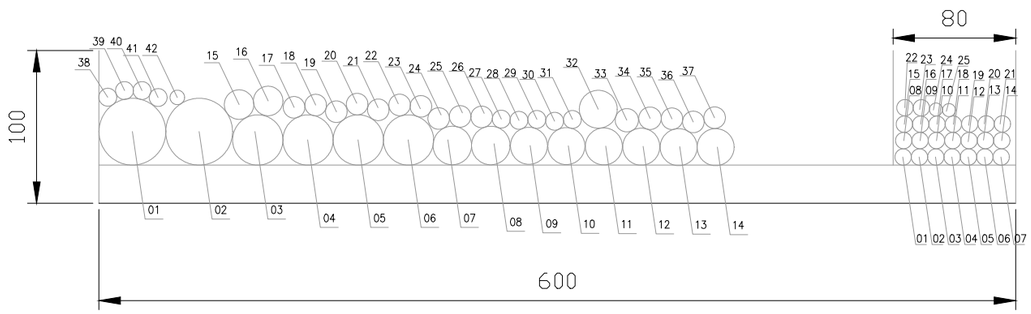
REV. 01

<01>

B-400-SEC-2E-L-600-101-IST-070

INSTRUMENT

TELECOM

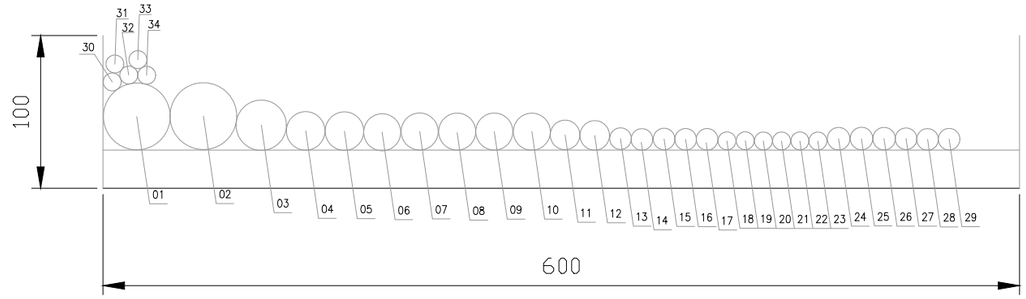


B-400-SEC-2E-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
7	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
8	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
9	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
10	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
11	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
12	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
13	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
14	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
15	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0.75 mm2
16	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
17	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
18	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
19	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2,5 mm2
20	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
21	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2,5 mm2
22	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
23	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2,5 mm2
24	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2,5 mm2
25	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2,5 mm2
26	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2,5 mm2
27	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
28	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
29	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
30	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
31	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
32	00-JE-11002/B400-PCS-002	00-JE-11002	B400-PCS-002	12x2x0.75 mm2
33	C-B400-TIR-001/B400-PCS-002	B400-TIR-001	B400-PCS-002	2x2x0.75 mm2
34	C-950-GDZ-04206/B400-FGS-002	950-GDZ-04206	B400-FGS-002	3x2.5 mm2
35	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2.5 mm2
36	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2.5 mm2
37	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2.5 mm2
38	C-950-SDZ-04206/B400-FGS-002	950-SDZ-04206	B400-FGS-002	1x2x0.75 mm2
39	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0.75 mm2
40	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0.75 mm2
41	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0.75 mm2
42	C-B400-TDC-002/B400-PCS-002	B400-TDC-002	B400-PCS-002	1x2x0.75 mm2

B-400-SEC-2E-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
24	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
25	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2

B-400-SEC-2F-L-600-101-IST-089

INSTRUMENT



B-400-SEC-2F-L-600-101-IST-089				
POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-02101/B400-FGS-002	950-JE-021001	B400-FGS-002	12x3x2,5 mm2
2	950-JE-02102/B400-FGS-002	950-JE-021002	B400-FGS-002	12x3x2,5 mm2
3	950-JE-03102/B400-FGS-002	950-JE-031002	B400-FGS-002	6x3x2,5 mm2
4	950-JE-03103/B400-FGS-002	950-JE-031003	B400-FGS-002	6x2x0,75 mm2
5	950-JE-06102/B400-FGS-002	950-JE-061002	B400-FGS-002	6x2x0,75 mm2
6	950-JE-02104/B400-FGS-002	950-JE-021004	B400-FGS-002	12x2,5 mm2
7	950-JE-03104/B400-FGS-002	950-JE-031004	B400-FGS-002	12x2,5 mm2
8	950-JE-06103/B400-FGS-002	950-JE-061003	B400-FGS-002	12x2,5 mm2
9	950-JE-07101/B400-FGS-002	950-JE-071001	B400-FGS-002	12x2,5 mm2
10	950-JE-05104/B400-FGS-002	950-JE-051004	B400-FGS-002	12x2,5 mm2
11	80-UCP-001/B400-FGS-002	80-FGS-001	B400-FGS-002	2x2x0.75 mm2
12	50-LP-002/B400-FGS-002	50-LP-002	B400-FGS-002	2x2x0,75 mm2
13	C-77-HS-012B/B400-FGS-002	77-HS-012B	B400-FGS-002	2x2,5 mm2
14	C-77-HS-013B/B400-FGS-002	77-HS-013B	B400-FGS-002	2x2,5 mm2
15	C-77-HS-014B/B400-FGS-002	77-HS-014B	B400-FGS-002	2x2,5 mm2
16	C-77-HS-015B/B400-FGS-002	77-HS-015B	B400-FGS-002	2x2,5 mm2
17	C-77-HS-016B/B400-FGS-002	77-HS-016B	B400-FGS-002	2x2,5 mm2
18	C-950-MFA-02101/B400-FGS-002	950-MFA-02101	B400-FGS-002	1x2x0,75 mm2
19	C-950-MFA-07101/B400-FGS-002	950-MFA-07101	B400-FGS-002	1x2x0,75 mm2
20	C-950-MFA-05201/B400-FGS-002	950-MFA-05201	B400-FGS-002	1x2x0,75 mm2
21	C-950-SDZ-04204/B400-FGS-002	950-SDZ-04204	B400-FGS-002	1x2x0,75 mm2
22	C-950-SDZ-04205/B400-FGS-002	950-SDZ-04205	B400-FGS-002	1x2x0,75 mm2
23	C-950-SDZ-04206/B400-FGS-002	950-SDZ-04206	B400-FGS-002	1x2x0,75 mm2
24	C-950-GDZ-04204/B400-FGS-002	950-GDZ-04204	B400-FGS-002	3x2.5 mm2
25	C-950-GDZ-04205/B400-FGS-002	950-GDZ-04205	B400-FGS-002	3x2.5 mm2
26	C-950-GDZ-04206/B400-FGS-002	950-GDZ-04206	B400-FGS-002	3x2.5 mm2
27	C-950-XZ-04201/B400-FGS-002	950-XZ-04201	B400-FGS-002	2x2,5 mm2
28	C-950-XL-04201/B400-FGS-002	950-XL-04201	B400-FGS-002	2x2,5 mm2
29	C-950-XL-04202/B400-FGS-002	950-XL-04202	B400-FGS-002	2x2,5 mm2
30	C-950-MFA-04201/B400-FGS-002	950-MFA-04201	B400-FGS-002	1x2x0,75 mm2
31	C-77-ZSL-012/B400-FGS-002	77-ZSL-012	B400-FGS-002	1x2x0,75 mm2
32	C-77-ZSL-013/B400-FGS-002	77-ZSL-013	B400-FGS-002	1x2x0,75 mm2
33	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0,75 mm2
34	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0,75 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layou
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

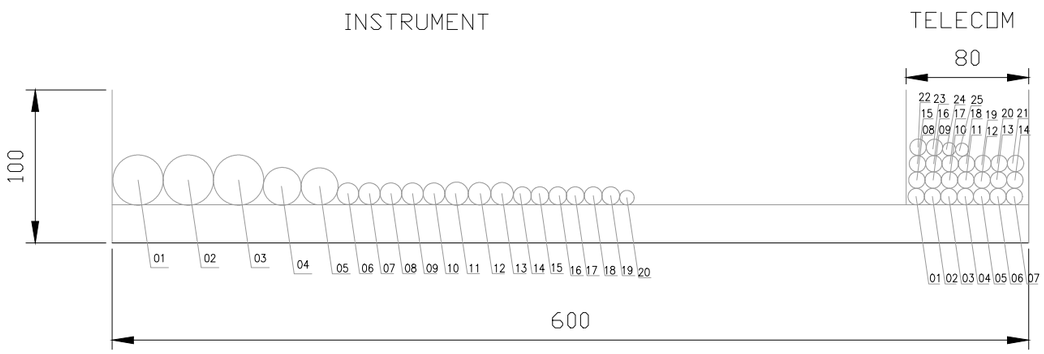
A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 006 | REV. 01

File Name : 123A90-DDL-IN-DL-40116 REV01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

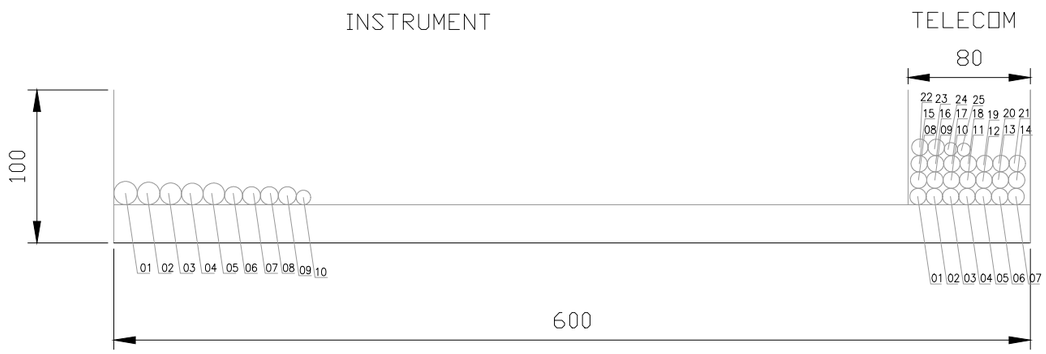
B-400-SEC-2G-L-600-101-IST-070



B-400-SEC-2G-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
2	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
3	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
4	00-JE-11002/B400-PCS-002	00-JE-11002	B400-PCS-002	12x2x0.75 mm2
5	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
6	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
7	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
8	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
9	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
10	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2,5 mm2
11	C-B400-TIR-001/B400-PCS-002	B400-TIR-001	B400-PCS-002	2x2x0.75 mm2
12	C-950-GDZ-04204/B400-FGS-002	950-GDZ-04204	B400-FGS-002	3x2.5 mm2
13	C-950-GDZ-04205/B400-FGS-002	950-GDZ-04205	B400-FGS-002	3x2.5 mm2
14	C-77-ZSL-012/B400-FGS-002	77-ZSL-012	B400-FGS-002	1x2x0.75 mm2
15	C-77-ZSL-013/B400-FGS-002	77-ZSL-013	B400-FGS-002	1x2x0.75 mm2
16	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
17	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
18	C-950-SDZ-04204/B400-FGS-002	950-SDZ-04204	B400-FGS-002	1x2x0.75 mm2
19	C-950-SDZ-04205/B400-FGS-002	950-SDZ-04205	B400-FGS-002	1x2x0.75 mm2
20	C-B400-TDC-002/B400-PCS-002	B400-TDC-002	B400-PCS-002	1x2x0.75 mm2

B-400-SEC-2G-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
24	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
25	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2

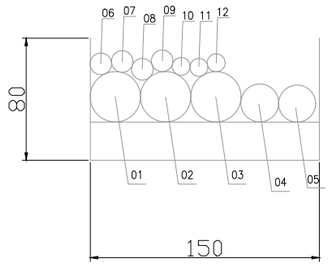
B-400-SEC-2I-L-600-101-IST-070 <01>



B-400-SEC-2I-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	C-B400-TIR-001/B400-PCS-002	B400-TIR-001	B400-PCS-002	2x2x0.75 mm2
2	C-950-GDZ-04204/B400-FGS-002	950-GDZ-04204	B400-FGS-002	3x2.5 mm2
3	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2,5 mm2
4	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2,5 mm2
5	C-77-XS-004/B400-SIS-001	77-XS-004	B400-SIS-001	2x2.5 mm2
6	C-77-XA-004/B400-SIS-001	77-XA-004	B400-SIS-001	1x2x0.75 mm2
7	C-950-SDZ-04204/B400-FGS-002	950-SDZ-04204	B400-FGS-002	1x2x0.75 mm2
8	C-77-ZSL-012/B400-FGS-002	77-ZSL-012	B400-FGS-002	1x2x0.75 mm2
9	C-77-ZSL-013/B400-FGS-002	77-ZSL-013	B400-FGS-002	1x2x0.75 mm2
10	C-B400-TDC-002/B400-PCS-002	B400-TDC-002	B400-PCS-002	1x2x0.75 mm2

B-400-SEC-2I-L-600-101-IST-070				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001.02	CAT.6A 4x2xAWG23
24	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
25	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2

B-400-SEC-2H-L-150-101-IST-071



B-400-SEC-2H-L-150-101-IST-071				
POS	CABLE NAME	FROM	TO	FORMATION
1	00-JE-21001/B400-SIS-001	00-JE-21001	B400-SIS-001	12x2x0,75 mm2
2	00-JE-22001_1/B400-SIS-001	00-JE-22001_1	B400-SIS-001	12x2x0,75 mm2
3	00-JE-22001_2/B400-SIS-001	00-JE-22001_2	B400-SIS-001	12x2x0,75 mm2
4	00-JE-11002/B400-PCS-002	00-JE-11002	B400-PCS-002	12x2x0.75 mm2
5	00-JE-23001/B400-SIS-001	00-JE-23001	B400-SIS-001	12x2,5 mm2
6	C-77-XS-004/B400-SIS-001	77-XS-004	B400-SIS-001	2x2.5 mm2
7	C-80-XS-001/B400-SIS-001	80-XS-001	B400-SIS-001	2x2,5 mm2
8	C-50-XS-001/B400-SIS-001	50-XS-001	B400-SIS-001	2x2,5 mm2
9	C-77-HY-016/77-HS-016A	77-HY-016	77-HS-016A	2x2,5 mm2
10	C-80-XA-003/B400-SIS-001	80-XA-003	B400-SIS-001	1x2x0,75 mm2
11	C-50-XA-003/B400-SIS-001	50-XA-003	B400-SIS-001	1x2x0,75 mm2
12	C-77-XA-004/B400-SIS-001	77-XA-004	B400-SIS-001	1x2x0.75 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND | ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layou
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN VBA | CHECKED LCA | APPROVED DLO | DATE 04/10/24

A1 | DRAWING NO. 123A90-DDL-IN-DL-40116 | SHEET 007 | REV. 01

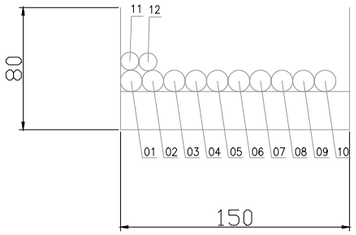
File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

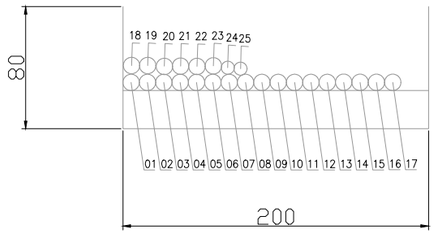
<01>

B-400-SEC-2J-L-150-101-IST-088



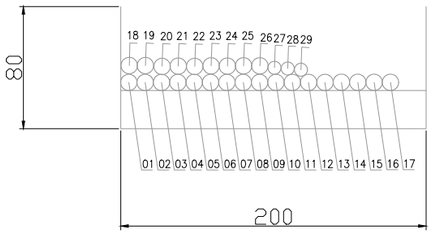
B-400-SEC-2J-L-150-101-IST-088				
POS	CABLE NAME	FROM	TO	FORMATION
1	C-77-HS-012A/77-HS-012B	77-HS-012A	77-HS-012B	2x2.5 mm2
2	C-77-HY-012/77-HS-012A	HFD-77012	77-HS-012A	2x2.5 mm2
3	C-77-HS-013A/77-HS-013B	77-HS-013A	77-HS-013B	2x2.5 mm2
4	C-77-HY-013/77-HS-013A	HFD-77013	77-HS-0013A	2x2.5 mm2
5	C-77-HS-014A/77-HS-014B	77-HS-014A	77-HS-014B	2x2.5 mm2
6	C-77-HY-014/77-HS-014A	HFD-77014	77-HS-014A	2x2.5 mm2
7	C-77-HS-015A/77-HS-015B	77-HS-015A	77-HS-015B	2x2.5 mm2
8	C-77-HY-015/77-HS-015A	HFD-77015	77-HS-015A	2x2.5 mm2
9	C-77-HS-016A/77-HS-016B	77-HS-016A	77-HS-016B	2x2.5 mm2
10	C-77-HY-016/77-HS-016A	HFD-77016	77-HS-016A	2x2.5 mm2
11	C-77-ZSL-014/B400-FGS-002	77-ZSL-014	B400-FGS-002	1x2x0.75 mm2
12	C-77-ZSL-015/B400-FGS-002	77-ZSL-015	B400-FGS-002	1x2x0.75 mm2

B-400-SEC-3A-L-200-101-IST-087



B-400-SEC-3A-L-200-101-IST-087				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
24	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
25	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2

B-400-SEC-3B-L-200-101-IST-091



B-400-SEC-3B-L-200-101-IST-091				
POS	CABLE NAME	FROM	TO	FORMATION
1	TR-100AD1AVR/B400-NET-001	TR-100AD1AVR	B400-NET-001	CAT.6A 4x2xAWG23
2	B100-HSB-001/B400-NET-001	B100-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
3	B200-HSB-001/B400-NET-001	B200-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
4	SG-100D1/B400-NET-001.01	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
5	SG-100D1/B400-NET-001.02	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
6	SG-100D1/B400-NET-001.03	SG-100D1	B400-NET-001	CAT.6A 4x2xAWG23
7	SG-200N1/B400-NET-001.01	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
8	SG-200N1/B400-NET-001.02	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
9	SG-200N1/B400-NET-001.03	SG-200N1	B400-NET-001	CAT.6A 4x2xAWG23
10	SG-200D2/B400-NET-001	SG-200D2	B400-NET-001	CAT.6A 4x2xAWG23
11	B300-HSB-001/B400-NET-001	B300-HSB-001	B400-NET-001	CAT.6A 4x2xAWG23
12	UP-200F1/B400-NET-001.01	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
13	UP-200F1/B400-NET-001.02	UP-200F1	B400-NET-001	CAT.6A 4x2xAWG23
14	UP-200F3/B400-NET-001.01	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
15	UP-200F3/B400-NET-001.02	UP-200F3	B400-NET-001	CAT.6A 4x2xAWG23
16	UP-200F4/B400-NET-001.01	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
17	UP-200F4/B400-NET-001.02	UP-200F4	B400-NET-001	CAT.6A 4x2xAWG23
18	P320PLC/B400-NET-001.01	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
19	20-UCP-001/B400-NET-001.01	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
20	20-UCP-001/B400-NET-001.02	20-UCP-001	B400-NET-001	CAT.6A 4x2xAWG23
21	63-LP-001/B400-NET-001	63-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
22	64-LP-001/B400-NET-001	64-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
23	80-UCP-001/B400-NET-001.01	80-UCP-001	B400-NET-001.01	CAT.6A 4x2xAWG23
24	80-UCP-001/B400-NET-001.02	80-UCP-001	B400-NET-001.02	CAT.6A 4x2xAWG23
25	50-LP-001/B400-NET-001	50-LP-001	B400-NET-001	CAT.6A 4x2xAWG23
26	P320PLC/B400-NET-001.02	P320PLC	B400-NET-001	CAT.6A 4x2xAWG23
27	CP-100E1/B400-NET-001.01	CP-100E1	B400-NET-001	FO12 OM2
28	CP-100E1/B400-NET-001.02	CP-100E1	B400-NET-001	FO12 OM2
29	HNA6/B400-NET-001	HNA6	B400-NET-001	FO12 OS2
30	C-GPSANT/B400-NET-001	GPSANT	B400-NET-001	STD-VENDOR

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

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

DRAWN	CHECKED	APPROVED	DATE
VBA	LCA	DLO	04/10/24

A1	DRAWING NO.	SHEET	REV.
	123A90-DDL-IN-DL-40116	008	01

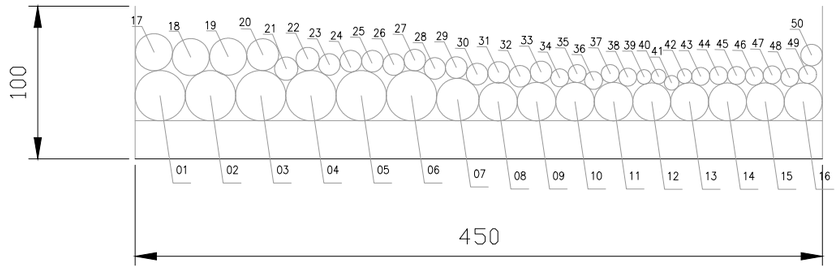
File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

DRAWING NO. 123A90-DDL-IN-DL-40116

REV. 01

B-400-SEC-1A-L-450-101-IST-092

<01>



B-400-SEC-1A-L-450-101-IST-093

POS	CABLE NAME	FROM	TO	FORMATION
1	950-JE-04201/B400-FGS-002	950-JE-04201	B400-FGS-002	6x3x2,5 mm2
2	950-JE-04205/B400-FGS-002	950-JE-04205	B400-FGS-002	6x3x2,5 mm2
3	950-JE-02103/B400-FGS-002	950-JE-02103	B400-FGS-002	6x3x2,5 mm2
4	00-JE-21002/B400-SIS-001	00-JE-21002	B400-SIS-001	12x2x0,75 mm2
5	00-JE-22002_1/B400-SIS-001	00-JE-22002_1	B400-SIS-001	12x2x0,75 mm2
6	00-JE-22002_2/B400-SIS-001	00-JE-22002_2	B400-SIS-001	12x2x0,75 mm2
7	00-JE-13002/B400-PCS-002	00-JE-13002	B400-PCS-002	24x2,5 mm2
8	950-JE-04102/B400-FGS-002	950-JE-04102	B400-FGS-002	6x2x0,75 mm2
9	950-JE-05102/B400-FGS-002	950-JE-05102	B400-FGS-002	6x2x0,75 mm2
10	B200-HSB-001/B400-FGS-002	950-JE-04202	B400-FGS-002	6x2x0,75 mm2
11	B300-HSB-001/B400-FGS-002	950-JE-04206	B400-FGS-002	6x2x0,75 mm2
12	00-JE-11003_1/B400-PCS-002	00-JE-11003_1	B400-PCS-002	12x2x0,75 mm2
13	00-JE-11003_2/B400-PCS-002	00-JE-11003_2	B400-PCS-002	12x2x0,75 mm2
14	00-JE-12004_1/B400-PCS-002	00-JE-12004_1	B400-PCS-002	12x2x0,75 mm2
15	00-JE-12004_2/B400-PCS-002	00-JE-12004_2	B400-PCS-002	12x2x0,75 mm2
16	00-JE-12005/B400-PCS-002	00-JE-12005	B400-PCS-002	12x2x0,75 mm2
17	00-JE-23002/B400-SIS-001	00-JE-23002	B400-SIS-001	12x2,5 mm2
18	UP-200F3/B400-SIS-001	UP-200F3	B400-SIS-001	12x2,5 mm2
19	950-JE-04207/B400-FGS-002	950-JE-04207	B400-FGS-002	12x2,5 mm2
20	00-JE-13003/B400-PCS-002	00-JE-13003	B400-PCS-002	12x2,5 mm2
21	C-B200-TIR-001/B400-PCS-002	B200-TIR-001	B400-PCS-002	2x2x0,75 mm2
22	C-B300-TIR-001/B400-PCS-002	B300-TIR-001	B400-PCS-002	2x2x0,75 mm2
23	C-77-XS-002/B400-SIS-001	77-XS-002	B400-SIS-001	2x2,5 mm2
24	C-77-XS-003/B400-SIS-001	77-XS-003	B400-SIS-001	2x2,5 mm2
25	C-SG-200N1-001/B400-SIS-001	SG-200N1-001	B400-SIS-001	2x2,5 mm2
26	C-SG-200N1-002/B400-SIS-001	SG-200N1-002	B400-SIS-001	2x2,5 mm2
27	C-CB-200F3A/B400-SIS-001	CB-200F3A	B400-SIS-001	2x2,5 mm2
28	C-CB-200F3B/B400-SIS-001	CB-200F3B	B400-SIS-001	2x2,5 mm2
29	C-CB-200F4A/B400-SIS-001	CB-200F4A	B400-SIS-001	2x2,5 mm2
30	C-CB-200F4B/B400-SIS-001	CB-200F4B	B400-SIS-001	2x2,5 mm2
31	C-UP-200F4/B400-SIS-001	UP-200F4	B400-SIS-001	2x2,5 mm2
32	C-NC-200F2/B400-FGS-002.01	N200F2	B400-FGS-002.01	1x2x0.75 mm2
33	C-NC-200F2/B400-FGS-002.02	N200F2	B400-FGS-002.02	2x2.5 mm2
34	C-NC-200F2/B400-SIS-001	N200F2	B400-SIS-001	2x2.5 mm2
35	C-77-XA-002/B400-SIS-001	77-XA-002	B400-SIS-001	1x2x0,75 mm2
36	C-77-XA-003/B400-SIS-001	77-XA-003	B400-SIS-001	1x2x0,75 mm2
37	C-950-MFA-04203/B400-FGS-002	950-MFA-04203	B400-FGS-002	1x2x0,75 mm2
38	C-950-MFA-04202/B400-FGS-002	950-MFA-04202	B400-FGS-002	1x2x0,75 mm2
39	C-B200-TDC-001/B400-PCS-002	B200-TD001	B400-PCS-002	1x2x0,75 mm2
40	C-B200-TDC-002/B400-PCS-002	B200-TD002	B400-PCS-002	1x2x0,75 mm2
41	C-B300-TDC-001/B400-PCS-002	B300-TD001	B400-PCS-002	1x2x0,75 mm2
42	C-B300-TDC-002/B400-PCS-002	B300-TD002	B400-PCS-002	1x2x0,75 mm2
43	C-950-SDZ-04201/B400-FGS-002	950-SDZ-04201	B400-FGS-002	1x2x0.75 mm2
44	C-950-SDZ-04202/B400-FGS-002	950-SDZ-04202	B400-FGS-002	1x2x0.75 mm2
45	C-950-SDZ-04203/B400-FGS-002	950-SDZ-04203	B400-FGS-002	1x2x0.75 mm2
46	C-950-GDZ-04201/B400-FGS-002	950-GDZ-04201	B400-FGS-002	1x2x0.75 mm2
47	C-950-GDZ-04202/B400-FGS-002	950-GDZ-04202	B400-FGS-002	1x2x0.75 mm2
48	C-950-GDZ-04203/B400-FGS-002	950-GDZ-04203	B400-FGS-002	1x2x0.75 mm2
49	C-77-ZSL-016/B400-FGS-002	77-ZSL-016	B400-FGS-002	1x2x0.75 mm2
50	C-77-HY-016/77-HS-016A	77-HY-016	77-HS-016A	2x2.5 mm2

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 04/10/24

A1	DRAWING NO. 123A90-DDL-IN-DL-40116	SHEET 009	REV. 01

File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

ITEM	Tag	CABLE_TRAY_B400_INS	: Cable Tray B400 - Instrumental		Dwg		
	S/Sys	90-04	: I&T System Equipment Room B-400		Module	LD_B-400	
TASK	code	C10002294	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	MC	Activity CCK	Discipline Instrumental	Form	CJX30A	Cable Tray/Ladder Before pulling

BEFORE PULLING

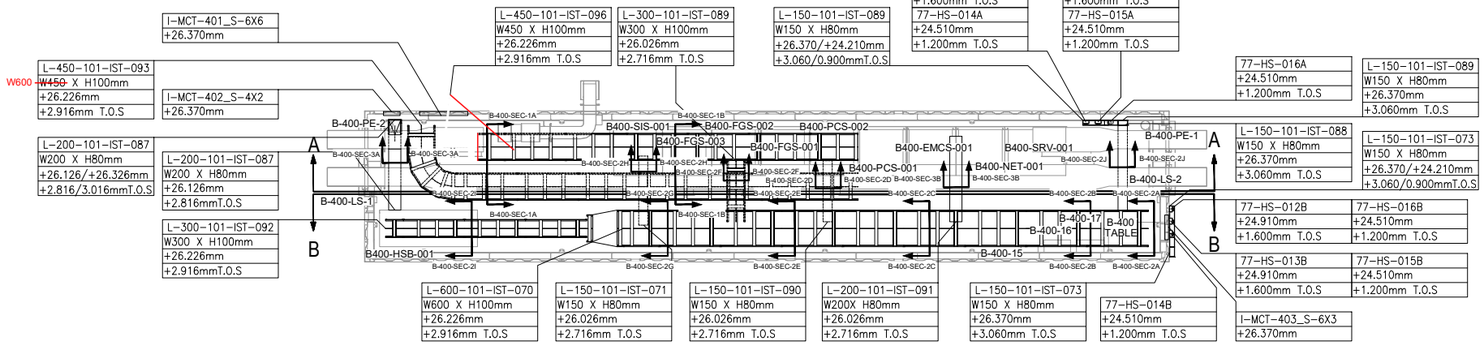
1	Check cable tray / ladder is undamaged and installed against drawings without clashes with pipe runs or other equipment.	PL
2	Check cable tray / ladder is adequately supported against drawings (no excessive deflection).	OK
3	Check cable tray / ladder segregation between racks	OK
4	Check Material for Bolt and splices	OK
5	Check insulation pads are adapted to stainless steel or aluminium cable tray /ladder.	OK
6	Check cable tray / ladder cleanness.	OK
7	Check cable tray / ladder earthed and bonded against drawings.	PL
8	Check Continuity and Resistance test on tray	OK
9	Check proper mitigations against sharp edges that could damage the cables	OK
10	Check Transitions to ensure proper cables bending radius	OK
11	Check Proper protection of racks and trays until cable pulling	OK
12	Painting touch-up as necessary, if applicable	OK
13	Check Labelling with system and segment number	NA
14	If required produce Red Line Mark Up for "AS BUILT"	

Comments:

	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM (ROSETTI MARINO)	
Name	Carmelo Bongiovanni	Giovanni Tangianu	
Date	2024-10-02	2024-10-03	
Signature	PROVERLIS Digitaly signed by Carmelo Bongiovanni 2024-10-02T14:51:54.235Z	PROVERLIS Digitaly signed by Giovanni Tangianu 2024-10-03T07:32:53.012Z	

DRAWING NO. 123A90-DDL-IN-DL-40116

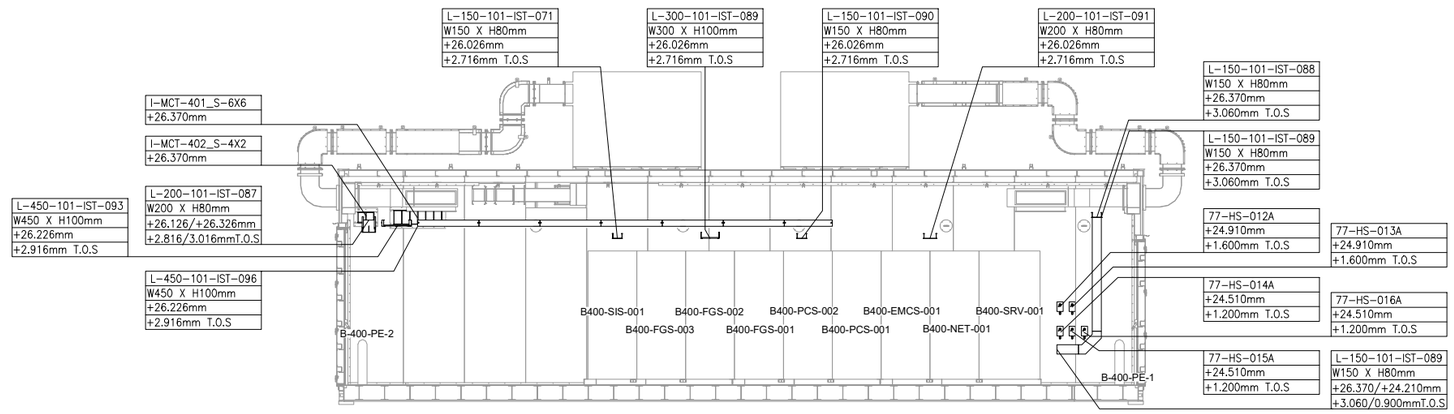
REV. 00



PLAN VIEW

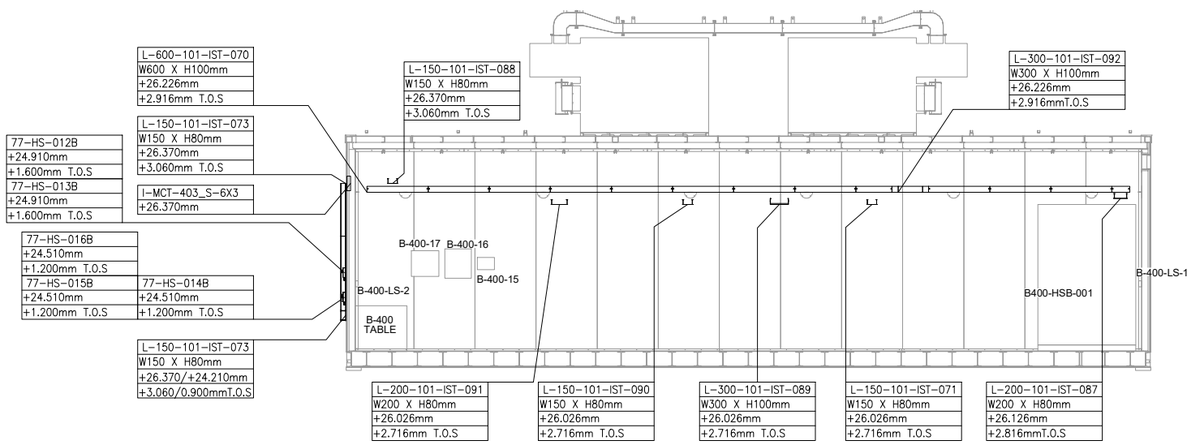
B-400 – I&T EQUIPMENT ROOM

SCALE–1:1



SECTION A-A

SCALE–1:1



SECTION B-B

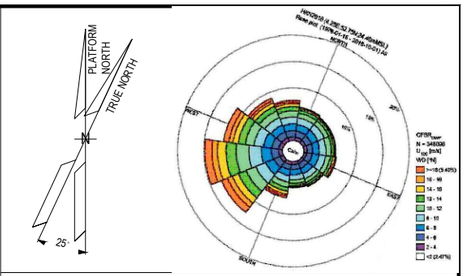
SCALE–1:1

VALID FOR CONSTRUCTION

FDL DWG: **123A90-123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
0_B	18/09/24	G.Randi

ROSETTI MARINO SpA



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 CONTAINER CABLE TRAY LAYOUT.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-IN-DL-40081	INSTRUMENT LAYOUT - UPPER DECK
123A90-DDL-IN-LIS-40091	INSTRUMENT CABLE LIST
123A90-DDL-IN-DG-40015	INSTRUMENT-CCS WIRING DIAGRAMS
123A90-DDL-IN-DG-40016	INSTRUMENT-SAFETY SYSTEM WIRING DIAGRAMS
123A90-DDL-IN-DL-40083	INSTRUMENT MAIN CABLES ROUTING-LOWER DECK

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

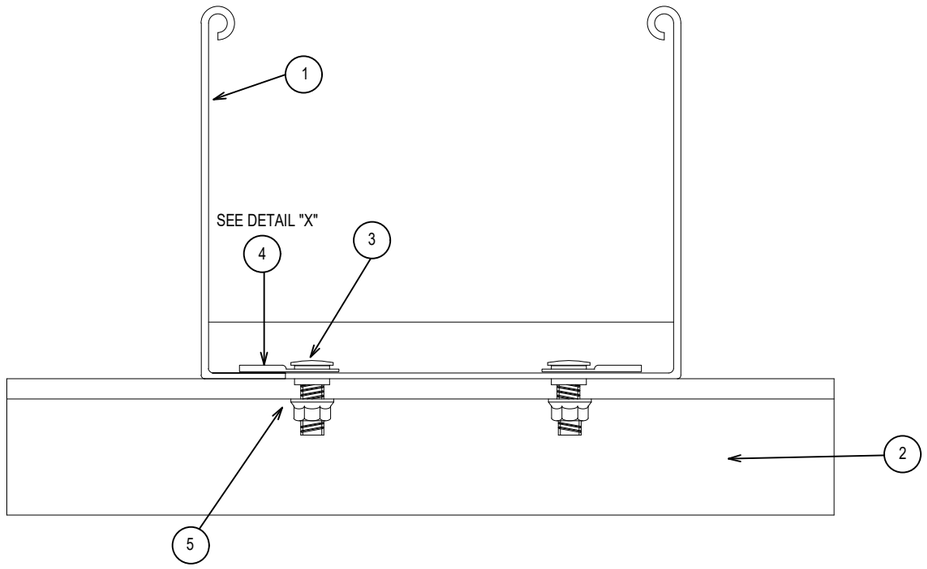
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 23/08/24

A1	DRAWING NO. 123A90-DDL-IN-DL-40116	SHEET 001	REV. 00

File Name : 123A90-DDL-IN-DL-40116 REV00.dwg

CABLE LADDER FIXING ON FRP RACK

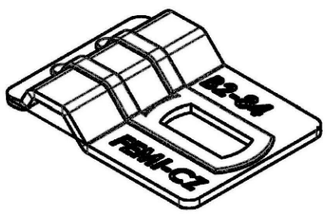
POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	PROFILE SUPPORT	FRP			
3	ROUND HEAD SQUARE NECK SCREW	AISI 316L	M8x20	2	
4	HOLD DOWN CLAMP	AISI 316L		2	
5	FLANGED NUT	AISI 316L	M8	2	



TYPICAL

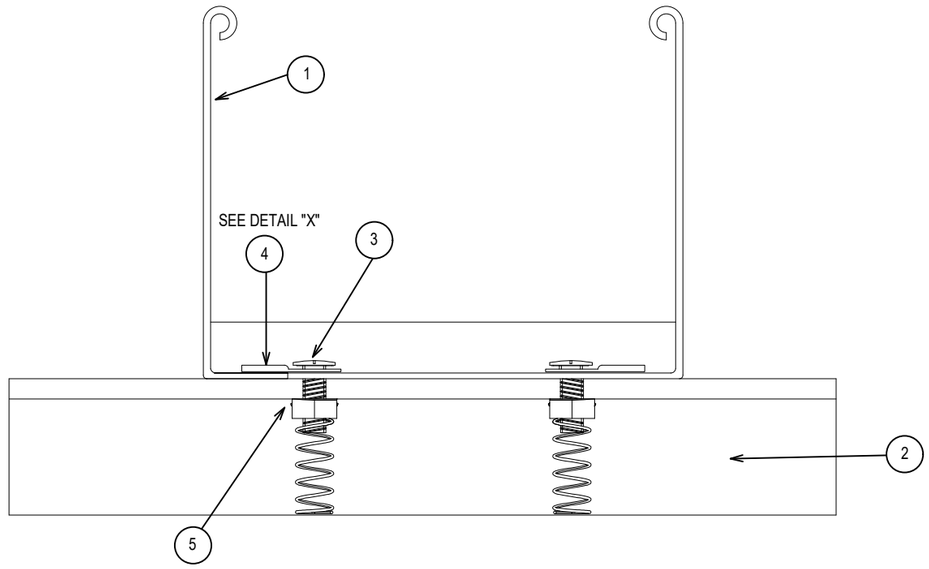
LF

DETAIL "X"



CABLE LADDER FIXING ON UNISTRUT

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M8x20	2	
4	HOLD DOWN CLAMP	AISI 316L		2	
5	NUT FOR CHANNEL WITH SPRING	AISI 316L	M8x40	2	



TYPICAL

LU

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093
REV.: 2_D | DATE: 06/09/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE LADDER FIXING

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

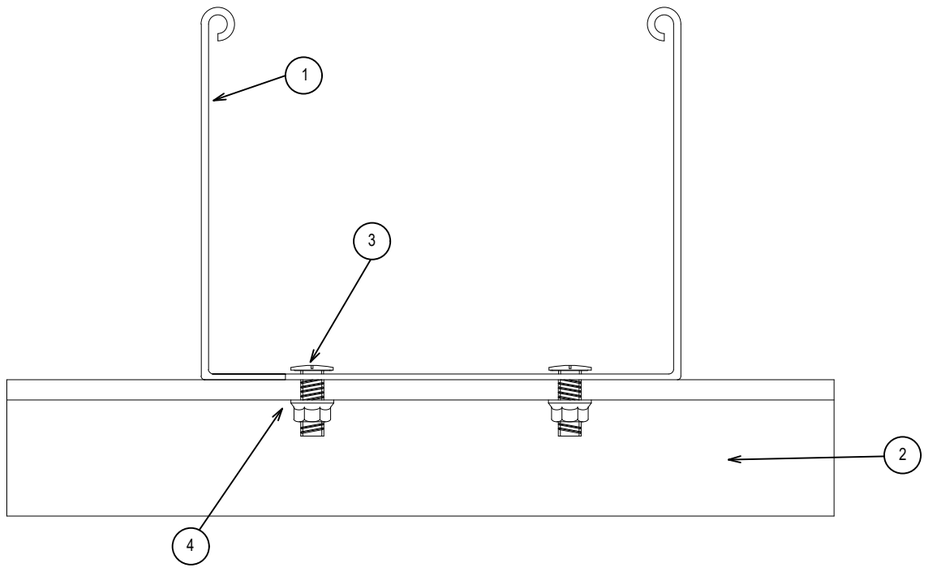
A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 004 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

CABLE TRAY PERFORATED FIXING ON FRP RACK

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE TRAY PERFORATED	AISI 316L			
2	PROFILE SUPPORT	FRP			
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M6x20	2	
4	FLANGED NUT	AISI 316L	M6	2	

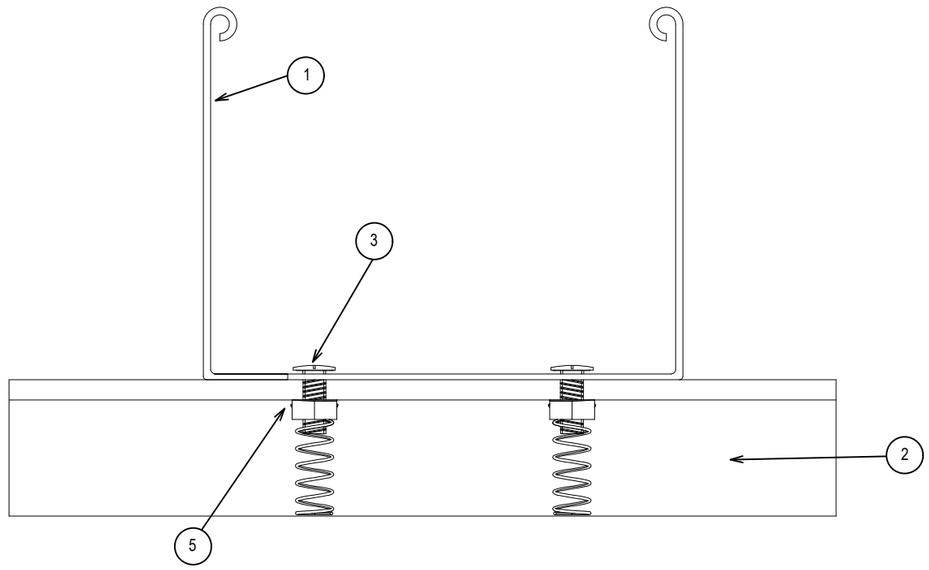


TYPICAL

TF

CABLE TRAY PERFORATED FIXING ON UNISTRUT

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE TRAY PERFORATED	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M6x20	2	
5	NUT FOR CHANNEL WITH SPRING	AISI 316L	M6x40	2	



TYPICAL

TU

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093
REV.: 2_D | DATE: 06/09/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE TRAY PERFORATED FIXING

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

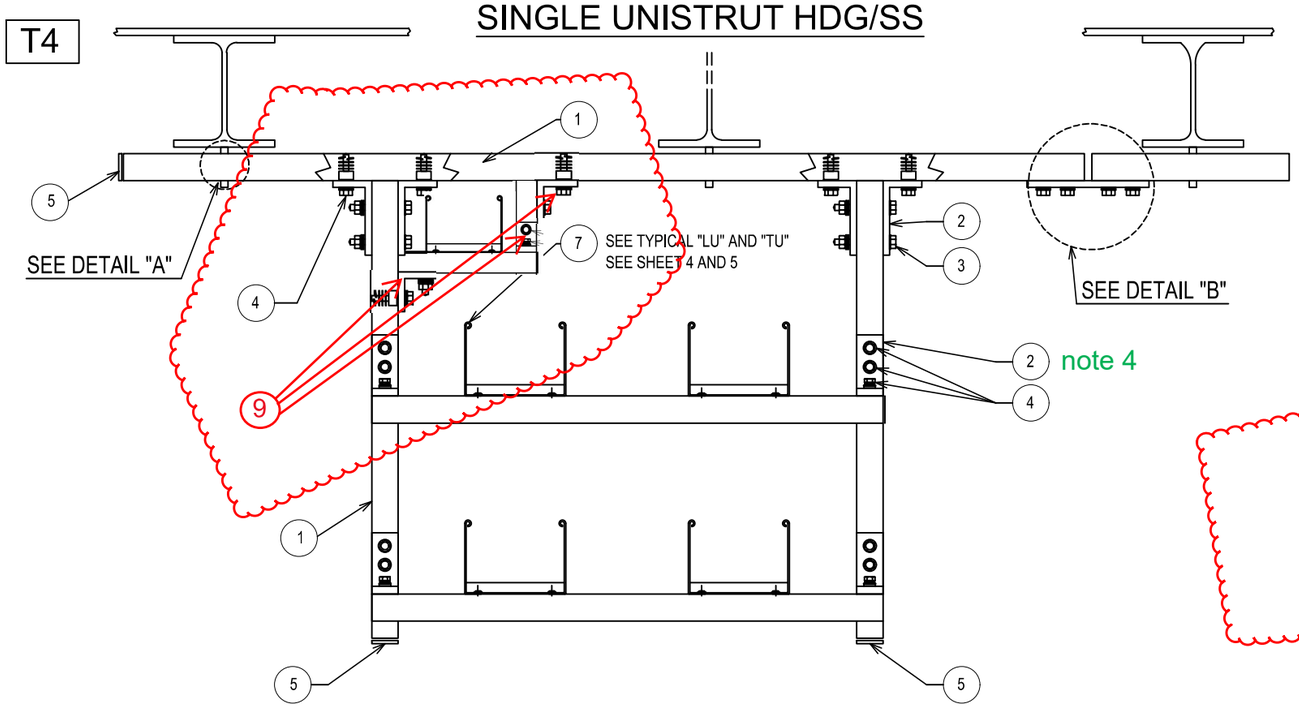
A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 005 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

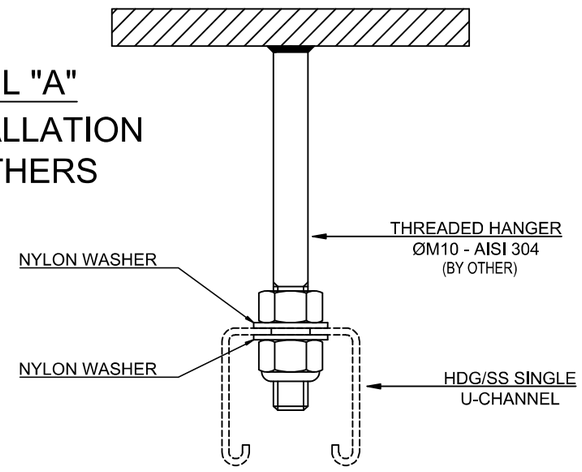
T4

SINGLE UNISTRUT HDG/SS

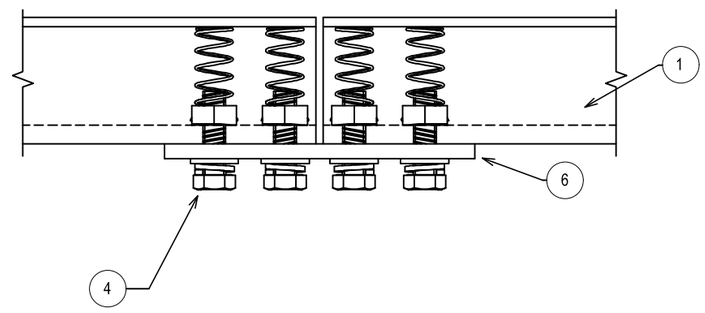


POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		NOTE 1
2	PLATE FOR ORTHOGONAL TRASVERSAL CONNECTION WITH 3 HOLES	AISI 316L		8	
3	HEXAGONAL BOLT COMPLETE WITH PLANE WASHERS, GROWER AND NUT	AISI 316L	M10x70	4	
4	HEXAGONAL BOLT COMPLETE WITH LARGE PLANE WASHER, GROWER AND NUT FOR U-CHANNEL WITH SPRING	AISI 316L	~~M10~~ M12	16	
5	PLUG FOR U-CHANNEL	LPDE		AS R	
6	CONNECTION PLATE (4 HOLES)	AISI 316L		AS R	
7	CABLE LADDER OR PERFORATED TRAY	AISI 316L			
8	DOUBLE SLOT CROWNED HEAD SCREW C/W PLANE WASHER, GROWER AND NUT FOR U-CHANNEL WITH SPRING	AISI 316L	M6x20	AS R	
9	PLATE FOR ORTHOGONAL TRASVERSAL CONNECTION WITH 2 HOLES	AISI 316L		3	

DETAIL "A"
INSTALLATION
BY OTHERS



DETAIL "B"



4) ALTERNATIVELY, USE PLATE FOR CONNECTION WITH 2 HOLES

NOTES:
1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.
2) FOR DISTANCE BETWEEN CABLE LADDERS/TRAYS, SEE SEGREGATION DISTANCES DETAIL ON SHEET 003.
3) THIS TYPICAL SHALL BE USED ONLY FOR INDOOR INSTALLATION.

TYPICAL VALID INSIDE TECHNICAL ROOMS

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093
REV.: 2_D | DATE: 06/09/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

02

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE WAY FIXING TO WELDED THREADED HANGER WITH U-CHANNEL

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

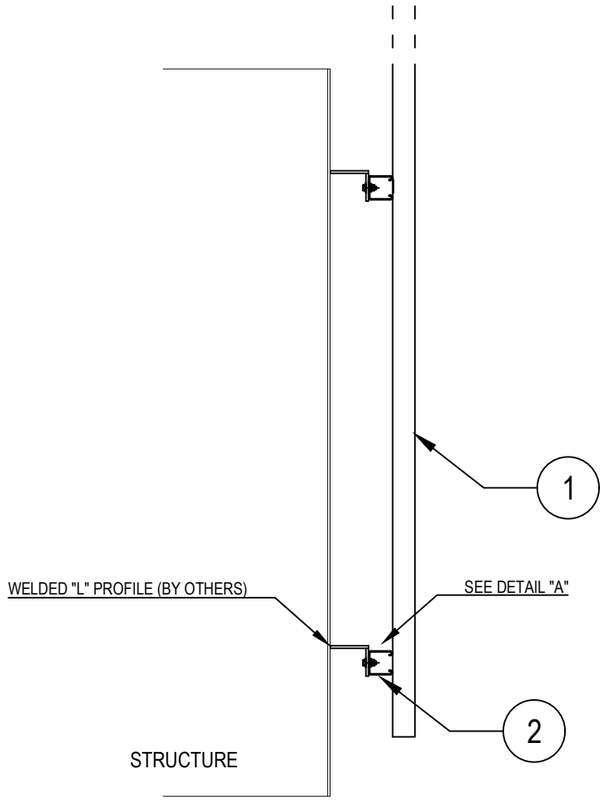
A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-EL-DD-20093	009	02

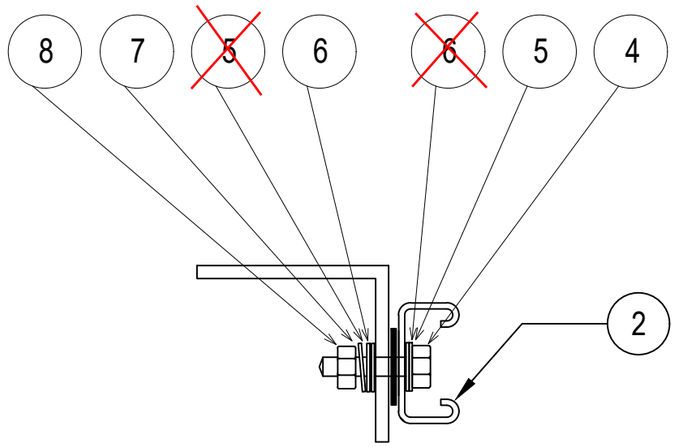
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

T6

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE TRAY	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED LOW PROFILE	AISI 316L	41x22x2		NOTE 1
4	BOLT	AISI 316L	M10x30	2	
5	PLANE WASHER	AISI 316L	M10	2	
6	NYLON WASHER	AISI 316L	M10	2	
7	GROWER	AISI 316L	M10	2	
8	NUT	AISI 316L	M10	2	





DETAIL "A"

CONNECTION BETWEEN WELDED "L"
PROFILE AND SINGLE U-CHANNEL

NOTES:
1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093
REV.: 2_D | DATE: 06/09/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE WAY WITH WELDED SUPPORT (VERTICAL RUN)

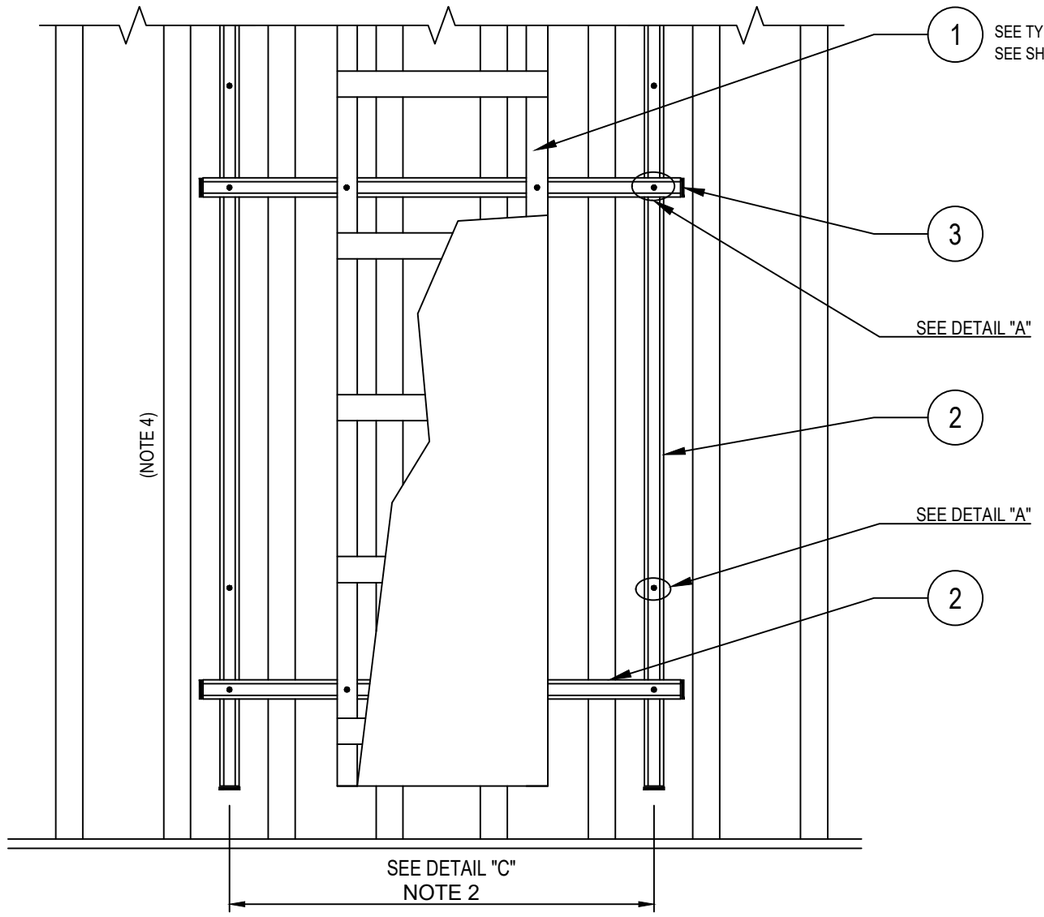
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 013 | REV. 02

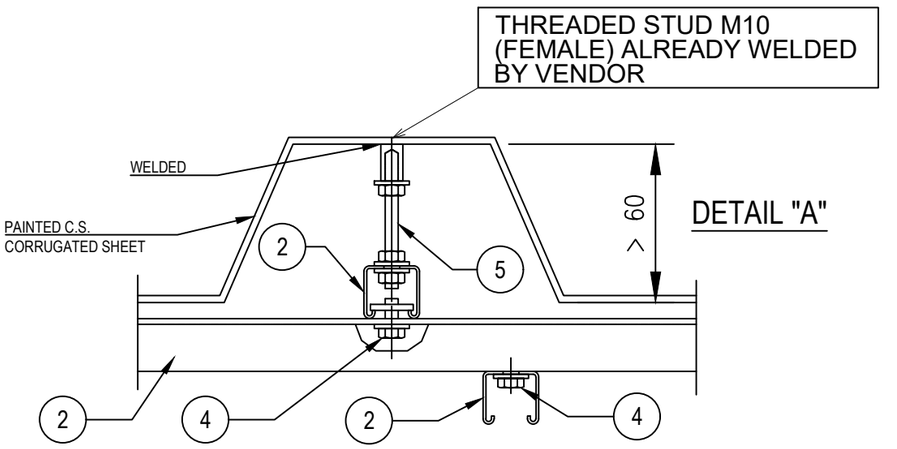
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

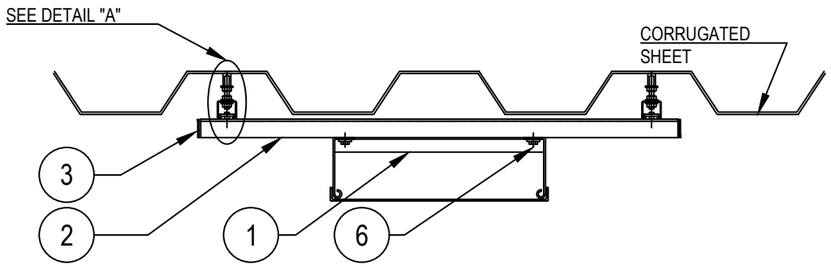
T7



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER OR PERFORATED TRAY	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED	AISI 316L	41x41x2		NOTE 1
3	PLUG FOR U-CHANNEL	LPDE			
4	HEXAGONAL BOLT COMPLETE WITH LARGE PLANE WASHER, NUT FOR U-CHANNEL WITH SPRING	AISI 316L	M10x30		
5	THREADED ROD M10 (L=110mm) COMPLETE WITH PLANE WASHER, LARGE PLANE WASHERS, SPRING WASHER AND NUTS	AISI 316L	M10x110		



DETAIL "C"



NOTES:
1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.
2) THE DISTANCE BETWEEN SUPPORTS SHALL BE DEFINED ACCORDING TO THE SIZE OF THE CABLE LADDER AND TYPE OF CORRUGATED SHEET

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093
REV.: 2_D | DATE: 06/09/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE WAY WITH NELSON STARTER ON SHELTER

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

A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 014 | REV. 02

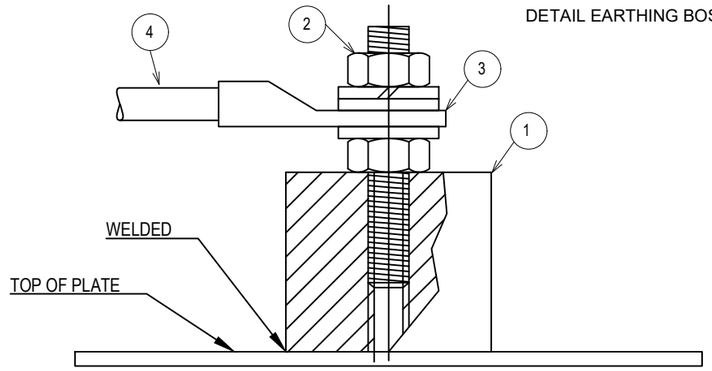
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	EARTHING BOSS WITH THREADED HOLE M10	AISI 316L	50X50 50X150	1	NOTE 2
2	STUD BOLT WITH PLANE WASHER, GROWER AND NUT	AISI 316L	M10X50		
3	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER			~~NOTE 3~~
4	Y/G INSULATING COPPER CONDUCTOR				NOTE 1 NOTE 5
5	EARTHING PLATE	AISI 316L (NOT PAINTED)	50X50X5		NOTE 4
6	HEXAGONAL BOLT WITH PLANE WASHERS, GROWER AND NUT.	AISI 316L	M10X30		
7	THREADED STUD COMPLETE WITH GROWER AND NUTS	AISI 316L	M10X28		NOTE 6 NOTE 7

E11A

DETAIL EARTHING BOSS 50x50

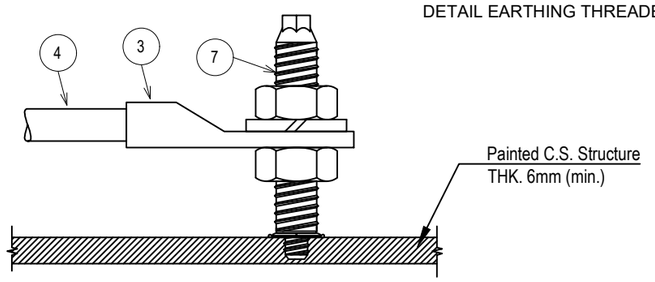


E11D

SEE NOTE 6

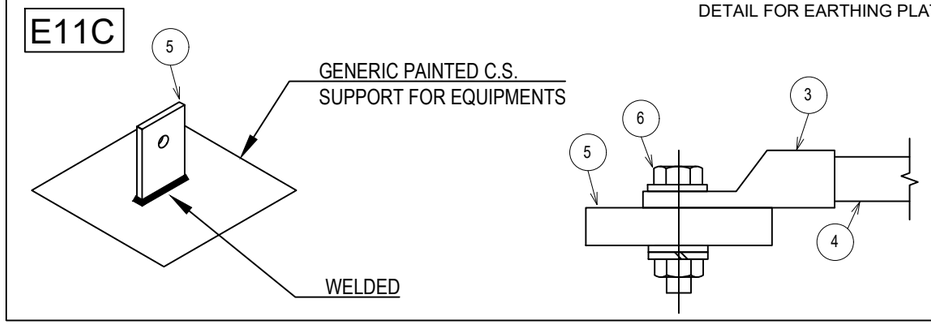
FOR CABLE
MAX 10mm²

DETAIL EARTHING THREADED STUD



E11C

DETAIL FOR EARTHING PLATE

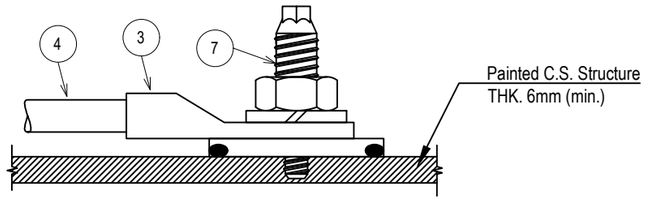


E11E

SEE NOTE 7

FOR CABLE
MAX 35mm²

DETAIL EARTHING THREADED STUD



NOTES:

1) ONLY ONE PROTECTIVE CONDUCTOR TERMINATION LUG SHALL BE CONNECTED TO A DEDICATED EARTHING BOSS, EARTH PLATE OR EARTH STUD.
2) EXTERNAL EARTHING CONNECTION ONLY SHALL BE PROTECTED AGAINST CORROSION USING OXIDE RESISTANT COMPOUND (E.G. COPPER GREASE).
3) ~~CABLE LUG CRIMPING METHOD SHALL BE HEXAGONAL COMPRESSION DIES ONLY.~~
4) EARTHING PLATE SHALL BE DEDICATED TO CABLE TRAY AND PIPE SUPPORTS, JUNCTION BOX, LOCAL CONTROL STATION AND SMALL EQUIPMENT SUPPORTS, LIGHTING POLES, RECEPTACLE SUPPORTS AND REMOVABLE HANDRAILS, ONLY.
5) FOR SIZE OF THE EARTHING CABLE SEE EARTHING LAYOUT DRAWINGS OF RESPECTIVE AREAS
6) HILTI S-BT-ER M10/15 SN6 CERTIFIED FOR EARTHING SYSTEM. RECOMMENDED MAX CONDUCTOR SIZE 10mm².
7) HILTI S-BT-ER M10 HC 120 CERTIFIED FOR EARTHING SYSTEM. RECOMMENDED MAX CONDUCTOR SIZE 35mm².

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20090**

REV.:	DATE:	SIGNATURE:
2_C	09/09/24	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	26/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/06/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–EARTHING SYSTEM
SINGLE EARTHING CONNECTION

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90–DDL–EL–DD–20090

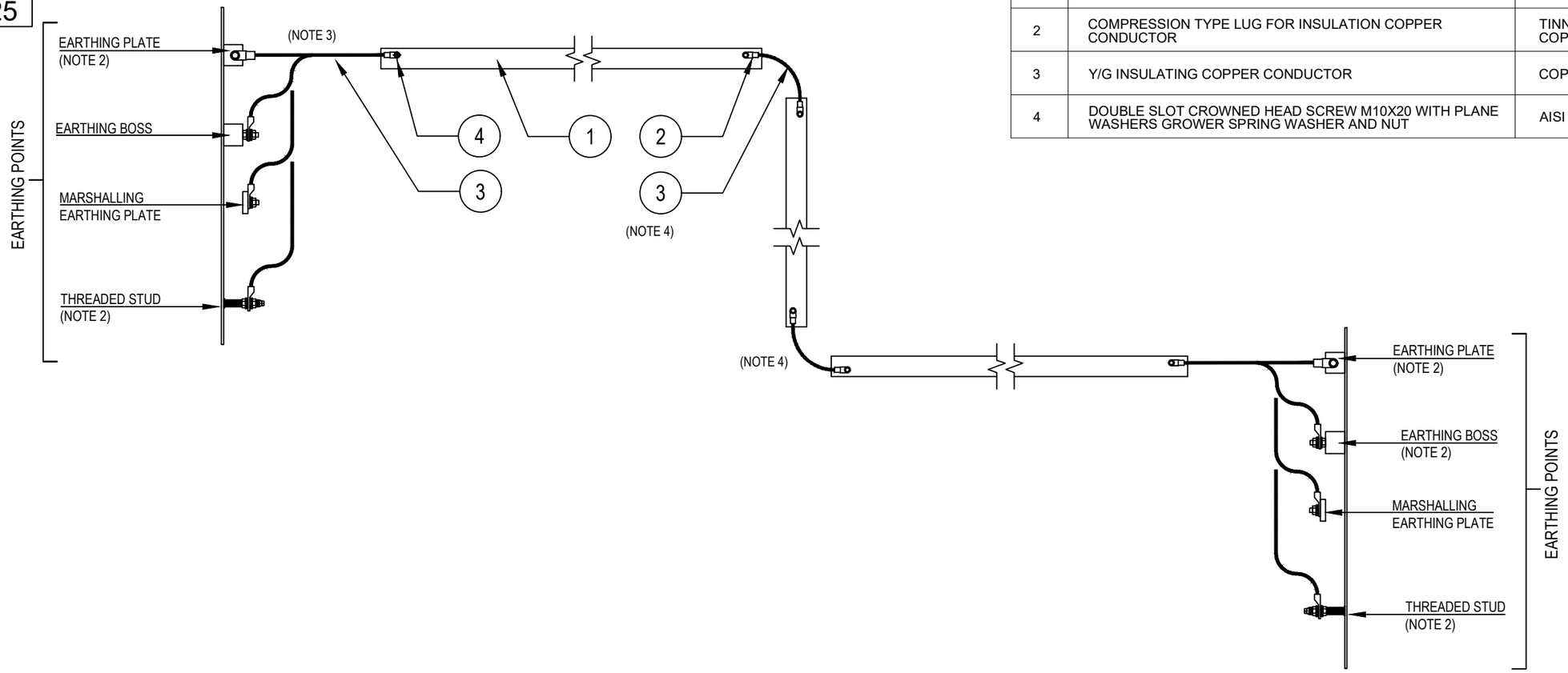
SHEET 003

REV. 02

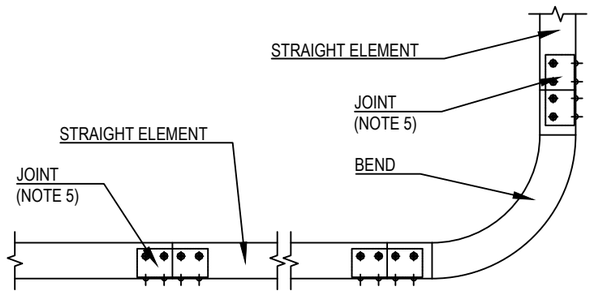
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20090 REV.02.DWG

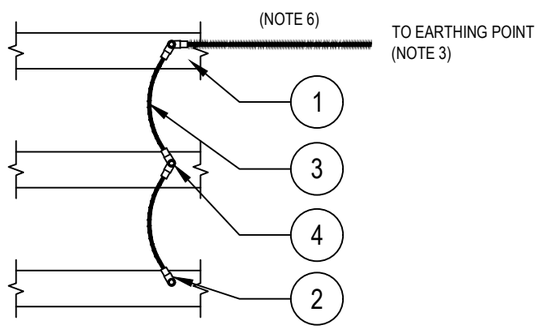
E25



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER/TRAY	FRP/GRP			
2	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER	16mm^2		~~NOTE 1~~
3	Y/G INSULATING COPPER CONDUCTOR	COPPER	16mm^2		
4	DOUBLE SLOT CROWNED HEAD SCREW M10X20 WITH PLANE WASHERS GROWER SPRING WASHER AND NUT	AISI 316L	~~M10X20~~ M6x20		



PARALLEL ROUTING



NOTES:
1) ~~CABLE LUG CRIMPING METHOD SHALL BE HEXAGONAL COMPRESSION DIES ONLY.~~
2) FOR DETAIL OF EARTHING PLATE, EARTHING BOSS AND THREADED STUD SEE TYP. E11A/C/D/E.
3) FOR EARTHING USE NEAREST EXISTING EARTHING POINT OR A NEW DEDICATED.
4) ON EVERY CHANGE OF DIRECTION MADE WITHOUT A PREFABBRICATED BEND, BONDING CONNECTION IS REQUIRED BY MEAN OF INSULATED Y/G EARTHING CONDUCTOR.
5) THE ELECTRIC CONTINUITY BETWEEN THE VARIOUS PREFABRICATED COMPONENTS IS GUARANTEED BY THE JOINTS INSTALLED ACCORDING TO THE ASSEMBLY INSTRUCTIONS OF THE CABLE TRAY/LADDER MANUFACTURER.
6) CABLE LADDER/TRAY SHALL BE CONNECTED TO THE EQUIPOTENTIAL BONDING SYSTEM AT BOTH ENDS. FULL CONTINUITY SHALL BE ENSURED. IN CASE OF SHORT LENGHT ELEMENTS (LESS THAN 3 m) ONE END ONLY MAY BE CONNECTED TO THE EQUIPOTENTIAL BONDING SYSTEM.
7) EXTERNAL EARTHING CONNECTION ONLY SHALL BE PROTECTED AGAINST CORROSION USING OXIDE RESISTANT COMPOUND (E.G. COPPER GREASE).

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20090**

REV.:	DATE:	SIGNATURE:
2_C	09/09/24	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	26/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/06/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-EARTHING SYSTEM
EARTHING FOR CABLE LADDERS & TRAYS

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

A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-EL-DD-20090	013	02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20090 REV.02.DWG

DESIGN DATA - *CABLE TRAYS LADDER TYPE FOR EXTERNAL INSTALLATION - GREY COLOUR*

TYPE	☑ Ladder	☐ Tray with simple ribs	☐ Tray with rimmed ribs		
	Thickness 5mm (*)	BENDING RADIUS:	☑ 300mm	☐ 500mm	
	☑ Cover	☐ Cover spacer	☐ Whitout Cover		
	Thickness 5mm (*)				
MATERIAL	☐ Galvanized steel	☐ Stainless steel	☐ Light alloy	☑ FRP (3)	☐ AISI 316L
SURFACE PROTECTION	Galvanized	☐ before machined (ex. with "Sendzimir" process)	☐ after machined		
	☐ Surface clean and polished from any welding and working residual				
	☐ Painting				
	Colour:	☑ Grey RAL 7035	☐ blue RAL 5012	☐	
	Cycle:				

POS.	DIMENSIONS (6)		a	b	c	d	e	f	g	h	i	l		
	Total External height	H	100	100	100									Manufacturer: Oglaend Supplier: HILTI Series: FOE100 P.O.
	Working internal width	W	300	450	600									
	Working internal width (reducer)	W1												
	DESCRIPTION	**FIG. (7)**	**QUANTITY (8)**											
1	Straight section Y = 3000 mm	A												
2	Straight section Y = mm													
3	Plane 90 degree bend	B												
4	Plane 45 degree bend	C												
	Plane 30 degree bend													
5	"T" junction	D												
6	Cross junction	E												
7	Single element for vertical bend	F												
8	Plane left-hand reducing section	G												
9	Plane simmetric reducing section	H												
10	Plane right-hand reducing section	I												
11	Elbow Inside 30°													
12	Elbow Outside 30°													
13	Elbow Inside 45°													
14	Elbow Outside 45°													
15	Elbow Inside 90°													
16	Elbow Outside 90°													
17														
18	Horizontally hinged joint	L												
19	Vertically hinged joint (note 6)	M												
20														
21	Separators													

NOTES :

6) Dimensions in millimeters

7) Reference to sheet 6

8) For quantities please refer to sheet 9 Cable Trays Material Take-OFF

9) FRP = Fiberglass Reinforced Plastic

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

CABLE TRAYS LADDER TYPE - FIGURES

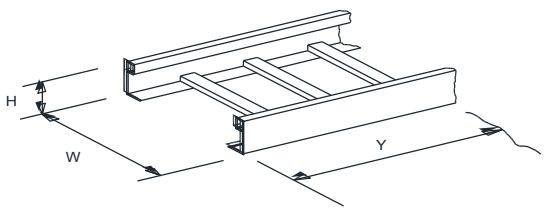


Fig. A
STRAIGHT ELEMENT

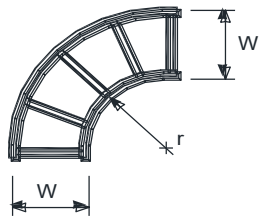


Fig. B
PLANE 90° BEND

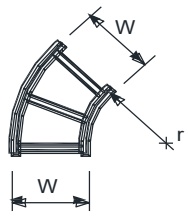


Fig. C
PLANE 45° BEND

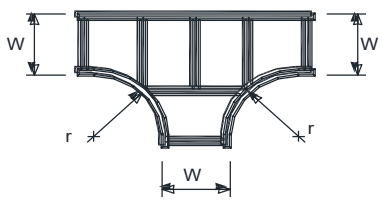


Fig. D
TEE JUNCTION

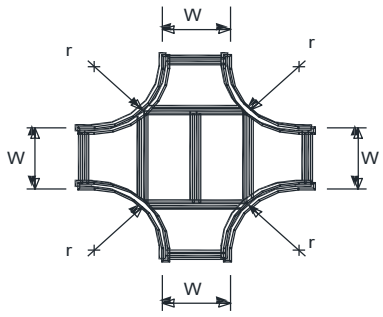


Fig. E
CROSS JUNCTION

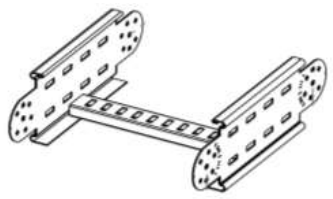


Fig. F
SINGLE ELEMENT FOR VERTICAL BENDS

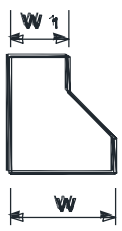


Fig. G
PLANE LEFT - HAND REDUCING SECTION



Fig. H
PLANE SYMMETRIC REDUCING SECTION



Fig. I
PLANE RIGHT - HAND REDUCING SECTION

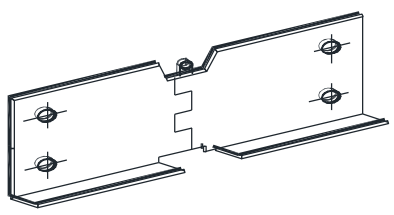


Fig. L
HORIZONTAL HINGED JOINT

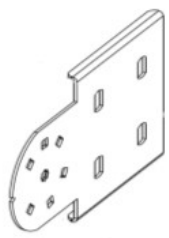


Fig. M
VERTICAL HINGED JOINT

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

DESIGN DATA - *CABLE TRAY PERFORATED TYPE FOR EXTERNAL INSTALLATION - GREY COLOUR*

TYPE	☑ Perforated	☐ Tray with simple ribs	☐ Tray with rimmed ribs	
	Thickness 5mm (*)	BENDING RADIUS:	☑ 300mm	☐ Adjustable elbow
	☑ Cover	☐ Cover spacer	☐ Whitout Cover	
	Thickness 5mm (*)			
MATERIAL	☐ Galvanized steel	☐ Stainless steel	☐ Light alloy	☑ FRP ☐ AISI 316L
SURFACE PROTECTION	Galvanized ☐ before machined (ex. with "Sendzimir" process)			☐ Hot dip Galvanized after machined - 50 µm
	☐ Surface clean and polished from any welding and working residual			
	☐ Painting			
	Colour: ☑ Grey RAL 7035	☐ blue RAL 5012	☐	
	Cycle:			

POS.	DIMENSIONS (6)		a	b	c	d	e	f	g	h	i	l		
	Total External height	H	50	80	80									Manufacturer: Oglaend Supplier: HILTI Series: FTE80 P.O.
	Working internal width	W	50	150	200									
	Working internal width (reducer)	W1												
	DESCRIPTION	**FIG. (7)**	**QUANTITY (8)**											
1	Straight section Y = 3000 mm	A												
2	Straight section Y = mm													
3	Plane 90 degree bend	B												
4	Plane 45 degree bend	C												
	"T" junction													
5	Vertical convex 90° Bend	D												
6	Vertical concave 90° Bend	E												
7	Plane left-hand reducing section	F												
8	Plane simmetric reducing section	G												
9	Plane right-hand reducing section	H												
10		I												
11														
12														
13														
14														
15														
16														
17														
18	Horizontally hinged joint	L												
19	Vertically hinged joint	M												
20														
21	Separators													

NOTES :

6) Dimensions in millimeters
7) Reference to Sheet 9
8) For quantities please refer to sheet 9 Cable Trays Material Take-OFF
9) FRP = Fiberglass Reinforced Plastic

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

CABLE TRAYS PERFORATED TYPE - FIGURES

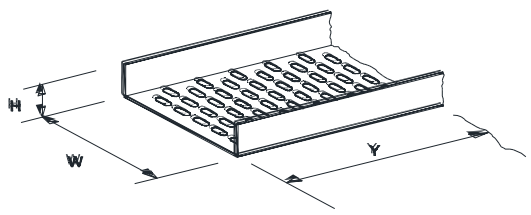


Fig. A
STRAIGHT ELEMENT

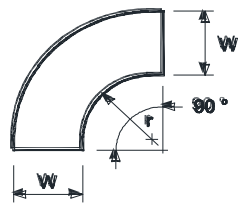


Fig. B
PLANE 90° BEND

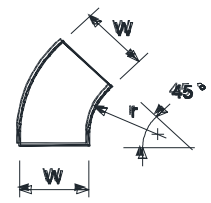


Fig. C
PLANE 45° BEND

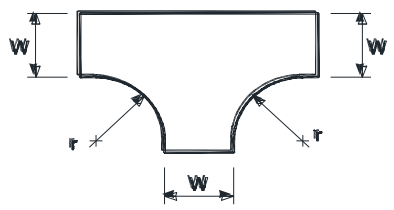


Fig. D
TEE JUNCTION

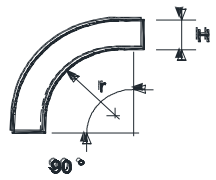


Fig. E
VERTICAL CONVEX 90° BEND

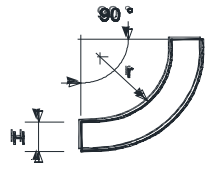


Fig. F
VERTICAL CONCAVE 90° BEND

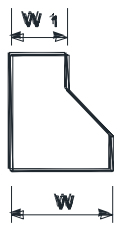


Fig. G
PLANE LEFT - HAND REDUCING SECTION



Fig. H
PLANE SYMMETRIC REDUCING SECTION

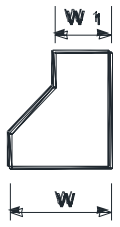


Fig. I
PLANE RIGHT - HAND REDUCING SECTION

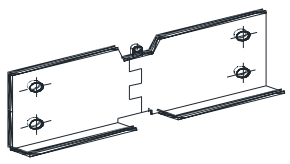


Fig. L
HORIZONTAL HINGED JOINT

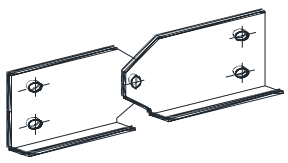


Fig. M
VERTICAL HINGED JOINT

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

INSTRUMENT CABLE TRAYS MTO				
S.No	**Description**	**U.M.**	**Rev. 00**	**Rev. 01**
Perforated Cable Tray 50(W)x50(H), R=300, Grey, Complete with Cover				
1	Straight elements	m	1338	1338
2	Bends 45°	N.	-	8
3	Inside Risers 90°	N.	-	3
4	Outside Risers 90°	N.	-	14
Perforated Cable Tray 150(W)x80(H), R=300, Grey, Complete with Cover				
5	Straight elements	m	453	453
6	Bends 45°	N.	7	12
7	Bends 90°	N.	40	40
8	Inside Risers 90°	N.	18	18
9	Inside Risers 45°	N.	6	6
10	Outside Risers 90°	N.	25	25
11	Outside Risers 45°	N.	3	3
12	"T"	N.	-	3
Perforated Cable Tray 200(W)x80(H), R=300, Grey, Complete with Cover				
13	Straight elements	m	480	480
14	Bends 90°	N.	22	22
15	Bends 45°	N.	10	12
16	Inside Risers 90°	N.	6	8
17	Inside Risers 45°	N.	12	12
18	Outside Risers 90°	N.	6	14
19	Outside Risers 45°	N.	12	12
Ladder Cable Tray 300(W)x100(H)), R=300, Grey, Complete with Cover				
20	Straight elements	m	111	111
21	Bends 90°	N.	7	7
22	Inside Risers 90°	N.	8	8
23	Outside Risers 90°	N.	4	4
24	"T"	N.	3	3
Ladder Cable Tray 450(W)x100(H)), R=300, Grey, Complete with Cover				
25	Straight elements	m	18	99
26	Bends 90°	N.	-	5
27	Bends 90°, Radius 500mm	N.	2	2
Ladder Cable Tray 600(W)x100(H)), R=300, Grey, Complete with Cover				
28	Straight elements	m	171	171
29	Bends 45°	N.	3	3
30	Inside Risers 90°	N.	2	2
31	Inside Risers 45°	N.	3	3
32	Outside Risers 90°	N.	4	4
33	Outside Risers 45°	N.	3	3
34	Reducer 600X450	N.	-	1
Accessories				
35	Divider straight elements, 45(H)	m	87	120
36	Divider for bend elements, 45(H)	m	15	15
37	Divider for riser elements, 45(H)	m	15	15
38	Fixing Clamps	N.	(1)	(1)
Notes 1) Vendor shall estimate fixing clamp quantities				

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

ITEM	Tag	CABLE_TRAY_B400_INS	: Cable Tray B400 - Instrumental		Dwg	123A90-DDL-IN-DL-40116	
	S/Sys	90-04	: I&T System Equipment Room B-400		Module	LD_B-400	
TASK	code	C10002295		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Instrumental	Form	CJX30B	Cable Tray/Ladder After pulling

AFTER PULLING

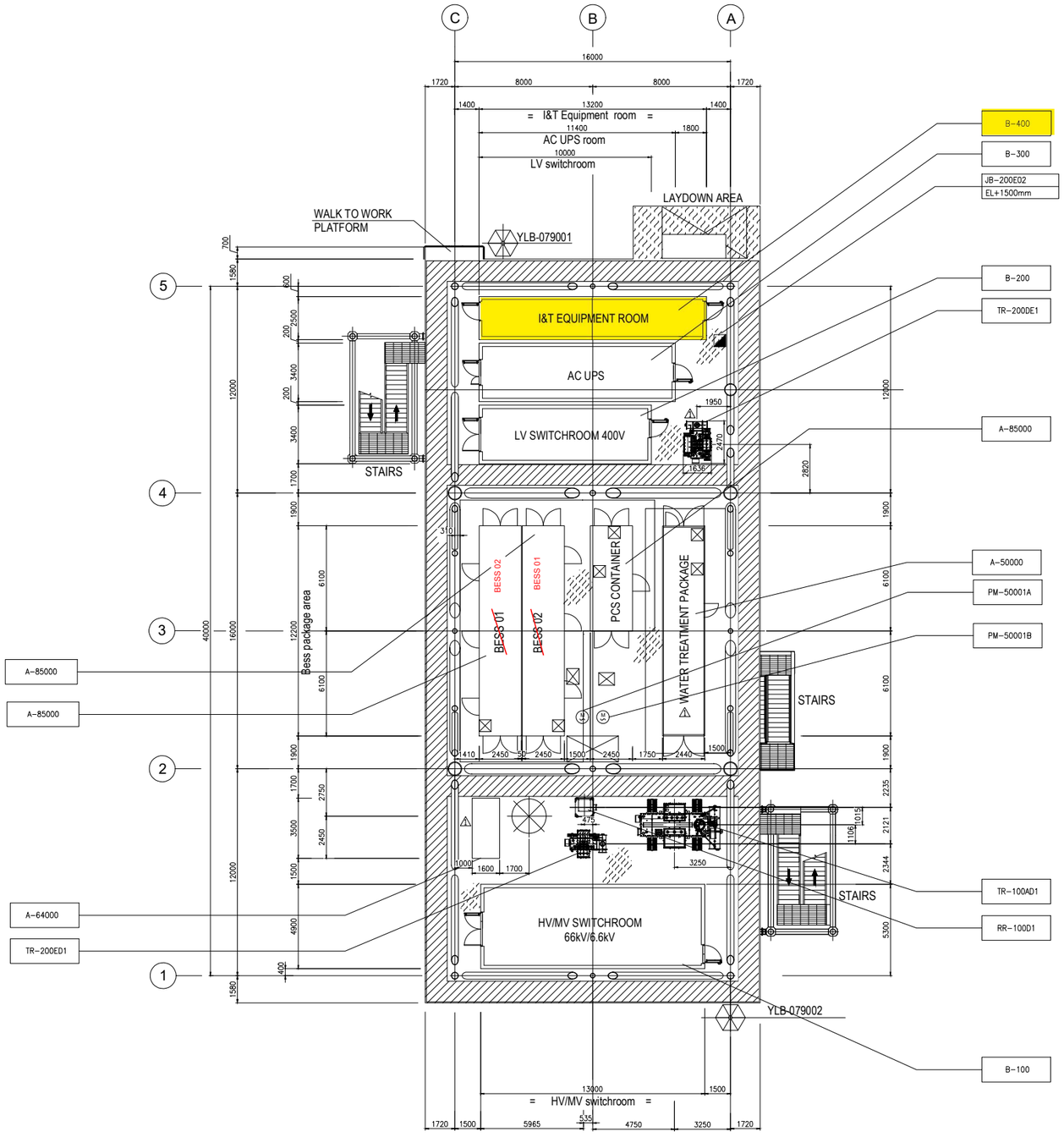
1	Check cable segregation on rack and tray	OK
2	Check capacity of cable rack and tray (bunching, size of cables, spare capacity, etc.)	OK
3	Check cable tray / ladder for Damages and cleanliness	OK
4	Check of proper cable bending radius	OK
5	Check proper fastening of cables (distance and material)	PL
6	Check lids intallation (if any) against drawings OR Proper protection until additional cable pulling or all work completed in the vicinity	NA
7	If required produce Red Line Mark Up for "AS BUILT"	

Comments:

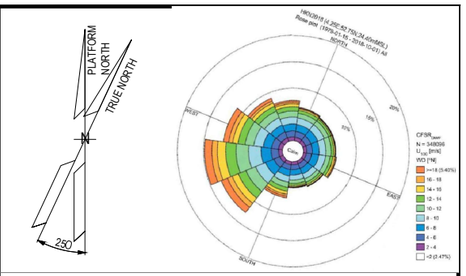
	Performed by	☉ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM(ROSETTI MARINO)	
Name	Michele Tartaglia	Eleonora Carotenuto	
Date	2025-02-18	2025-02-21	
Signature	Digitaly signed by Michele Tartaglia 2025-02-18T16:02:29.816Z	Digitaly signed by Eleonora Carotenuto 2025-02-21T12:37:10.290Z	

DRAWING NO. 123A90-DDL-EL-DL-20101

REV. 01



PLAN ON LOWER DECK
EL+23.310 T.O.S.



NOTES

1. ALL DIMENSIONS IN MM UNLESS NOTED OTHERWISE.
2. ALL ELEVATIONS IN METERS. UNLESS NOTED OTHERWISE.
3. ELEVATIONS REFER TO T.O.S.
4. FOR ELECTRICAL EQUIPMENT LAYOUT OF CONTAINERS B-100, B-200, B-300, B-400 REFER TO THE RESPECTIVE LAYOUTS.

LEGEND

(M)	ELECTRIC MOTOR – LOW VOLTAGE
⊠	INTERFACE PANEL
◪	JUNCTION BOX
JB-200E2 / EL+500mm	TAG ITEM / REFERED ELEVATION TO T.O.S. (TOP OF STEEL)

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-EL-DL-20106	ELECTRICAL EQUIPMENT LAYOUT UPSs & BATTERIES SWITCHROOM
⚠ 123A90-DDL-IN-DL-40012	ITER EQUIPMENT LAYOUT
123A90-DDL-EL-DL-20104	ELECTRICAL EQUIPMENT LAYOUT HV & MV SWITCHROOM
123A90-DDL-EL-DL-20105	LV SWITCHGEAR ROOM EQUIPMENT LAYOUT

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/05/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	04/03/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

VALID FOR CONSTRUCTION

REV.:	DATE:	SIGNATURE:
1_B	12/12/24	C.Pilato

ROSETTI MARINO SpA

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

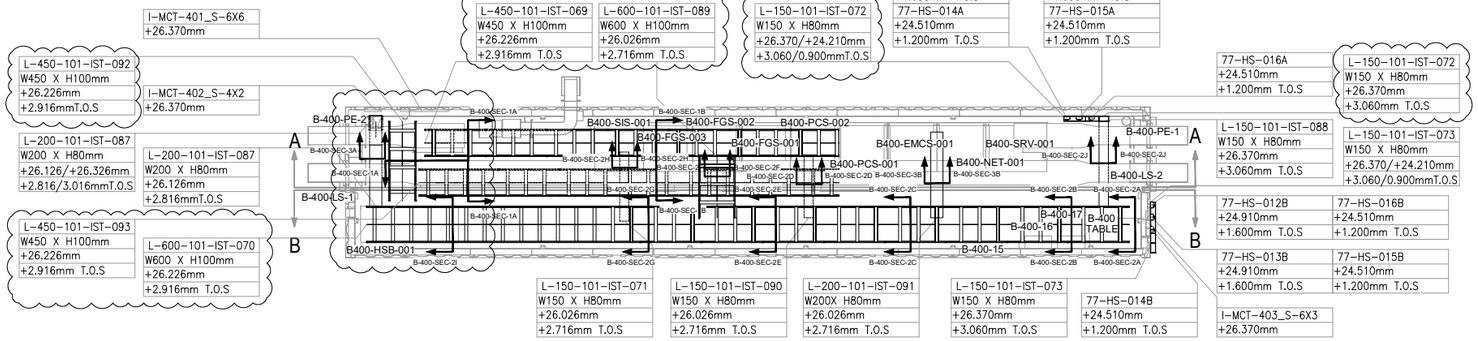
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:150
DRAWN SAM	CHECKED FMA/AMA	APPROVED FPA/DLO	DATE 04/03/24

A1	DRAWING NO. 123A90-DDL-EL-DL-20101	SHEET 001	REV. 01

File Name : 123A90-DDL-EL-DL-20101-Electrical Equipment Layout - Lower Deck

DRAWING NO. 123A90-DDL-IN-DL-40116

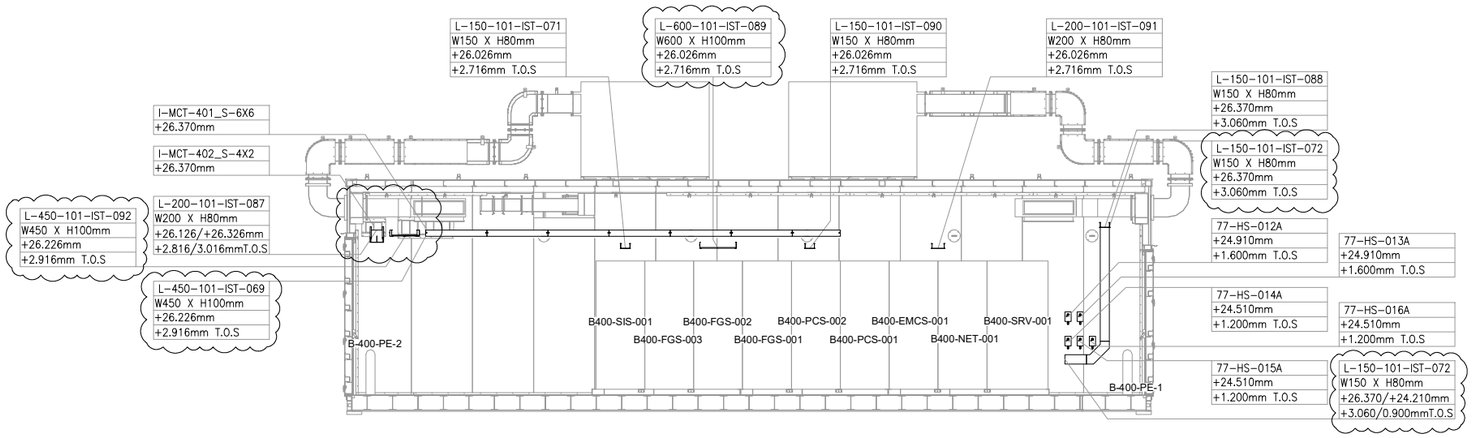
REV. 01



PLAN VIEW

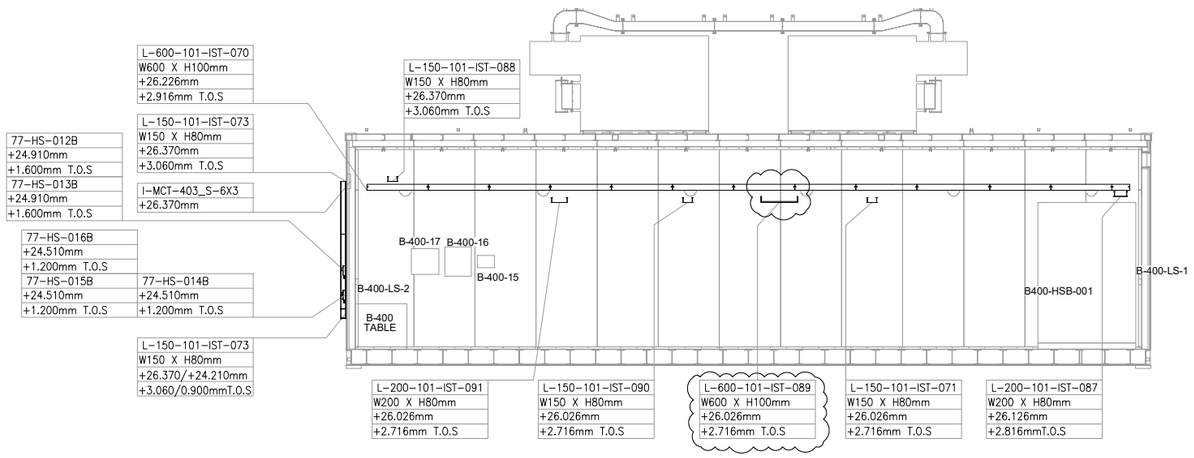
B-400 – I&T EQUIPMENT ROOM

SCALE-1:1



SECTION A-A

SCALE-1:1



SECTION B-B

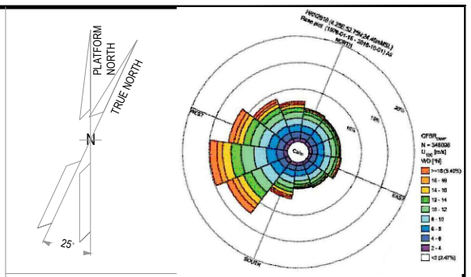
SCALE-1:1

VALID FOR CONSTRUCTION

FDL DWG: **123A90-FDL-IN-DL-40116**

REV.:	DATE:	SIGNATURE:
1_A	07/10/24	G.Randi

ROSETTI MARINO SpA



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 CONTAINER CABLE TRAY LAYOUT.

LEGEND

HOLDS

REFERENCE DOCUMENTS

123A90-DDL-PP-DL-70070	PLOT PLAN - LOWER & UPPER DECK
123A90-DDL-IN-DL-40081	INSTRUMENT LAYOUT - UPPER DECK
123A90-DDL-IN-LIS-40091	INSTRUMENT CABLE LIST
123A90-DDL-IN-DG-40015	INSTRUMENT-CCS WIRING DIAGRAMS
123A90-DDL-IN-DG-40016	INSTRUMENT-SAFETY SYSTEM WIRING DIAGRAMS
123A90-DDL-IN-DL-40083	INSTRUMENT MAIN CABLES ROUTING-LOWER DECK

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/08/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
Base Load Power HUB Cables Tray Layout
B-400 Container Lower Deck – TOS EL. 23.310m

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 04/10/24

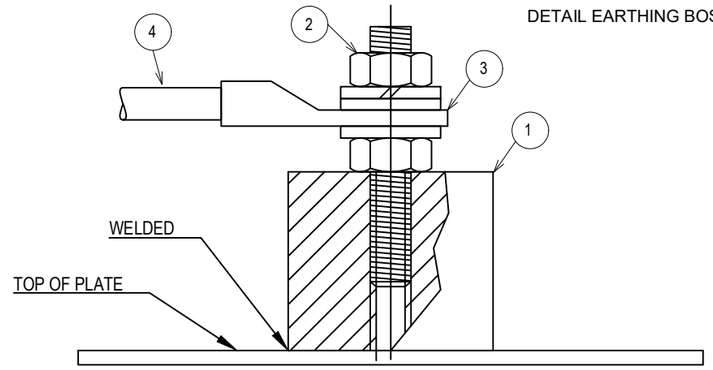
A1	DRAWING NO. 123A90-DDL-IN-DL-40116	SHEET 001	REV. 01

File Name : 123A90-DDL-IN-DL-40116 REV.01.dwg

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	EARTHING BOSS WITH THREADED HOLE M10	AISI 316L	50X50 50X150	1	NOTE 2
2	STUD BOLT WITH PLANE WASHER, GROWER AND NUT	AISI 316L	M10X50		
3	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER			~~NOTE 3~~
4	Y/G INSULATING COPPER CONDUCTOR				NOTE 1 NOTE 5
5	EARTHING PLATE	AISI 316L (NOT PAINTED)	50X50X5		NOTE 4
6	HEXAGONAL BOLT WITH PLANE WASHERS, GROWER AND NUT.	AISI 316L	M10X30		
7	THREADED STUD COMPLETE WITH GROWER AND NUTS	AISI 316L	M10X28		NOTE 6 NOTE 7

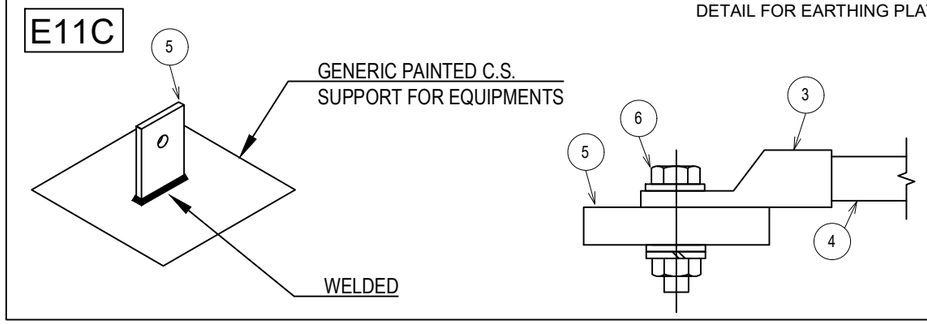
E11A

DETAIL EARTHING BOSS 50x50



E11C

DETAIL FOR EARTHING PLATE

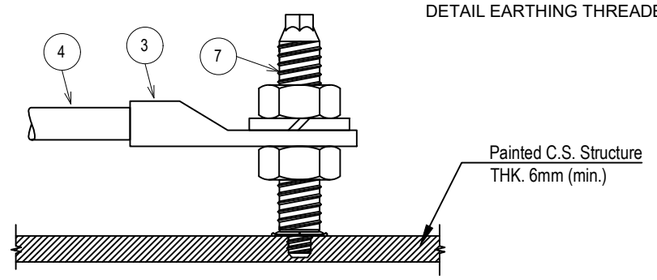


E11D

SEE NOTE 6

FOR CABLE
MAX 10mm²

DETAIL EARTHING THREADED STUD

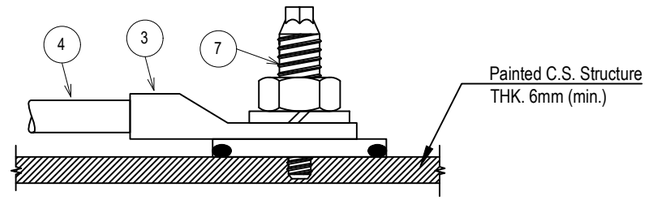


E11E

SEE NOTE 7

FOR CABLE
MAX 35mm²

DETAIL EARTHING THREADED STUD



NOTES:
1) ONLY ONE PROTECTIVE CONDUCTOR TERMINATION LUG SHALL BE CONNECTED TO A DEDICATED EARTHING BOSS, EARTH PLATE OR EARTH STUD.
2) EXTERNAL EARTHING CONNECTION ONLY SHALL BE PROTECTED AGAINST CORROSION USING OXIDE RESISTANT COMPOUND (E.G. COPPER GREASE).
3) ~~CABLE LUG CRIMPING METHOD SHALL BE HEXAGONAL COMPRESSION DIES ONLY.~~
4) EARTHING PLATE SHALL BE DEDICATED TO CABLE TRAY AND PIPE SUPPORTS, JUNCTION BOX, LOCAL CONTROL STATION AND SMALL EQUIPMENT SUPPORTS, LIGHTING POLES, RECEPTACLE SUPPORTS AND REMOVABLE HANDRAILS, ONLY.
5) FOR SIZE OF THE EARTHING CABLE SEE EARTHING LAYOUT DRAWINGS OF RESPECTIVE AREAS
6) HILTI S-BT-ER M10/15 SN6 CERTIFIED FOR EARTHING SYSTEM. RECOMMENDED MAX CONDUCTOR SIZE 10mm².
7) HILTI S-BT-ER M10 HC 120 CERTIFIED FOR EARTHING SYSTEM. RECOMMENDED MAX CONDUCTOR SIZE 35mm².

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20090**

REV.:	DATE:	SIGNATURE:
2_I	07/11/24	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	26/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/06/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–EARTHING SYSTEM
SINGLE EARTHING CONNECTION

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90–DDL–EL–DD–20090

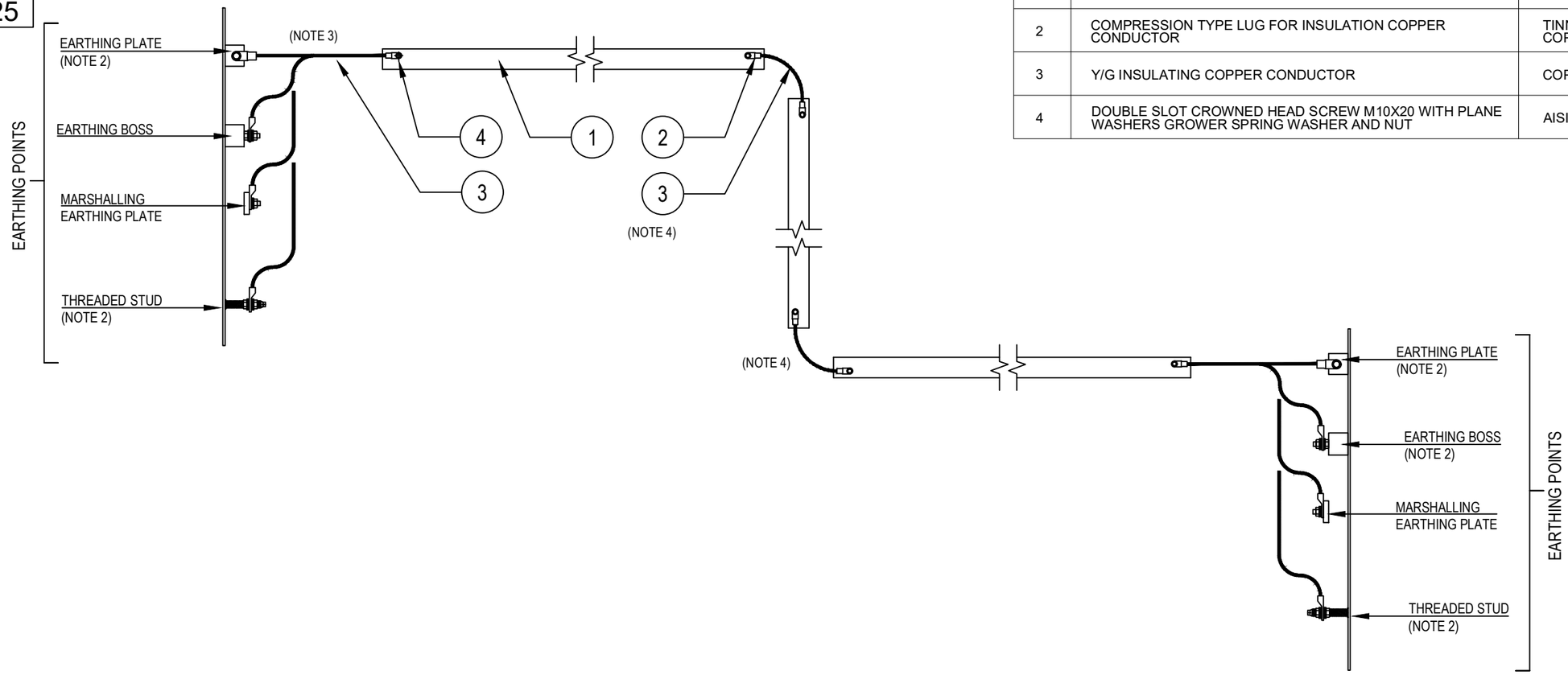
SHEET 003

REV. 02

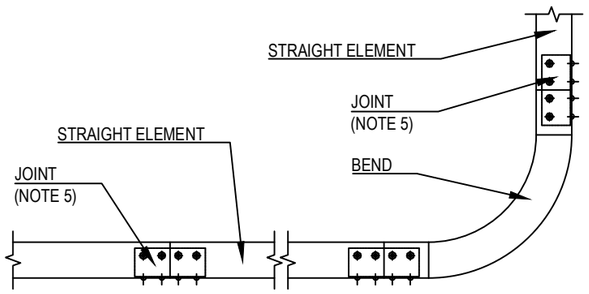
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20090 REV.02.DWG

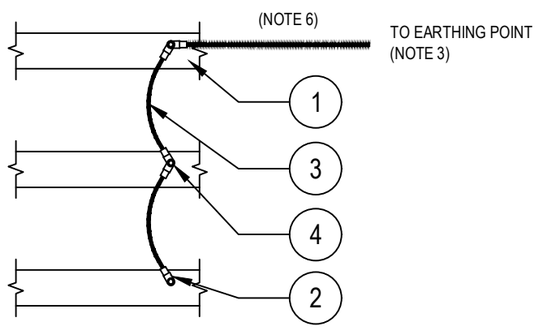
E25



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER/TRAY	FRP/GRP			
2	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER	16mm^2		~~NOTE 1~~
3	Y/G INSULATING COPPER CONDUCTOR	COPPER	16mm^2		
4	DOUBLE SLOT CROWNED HEAD SCREW M10X20 WITH PLANE WASHERS GROWER SPRING WASHER AND NUT	AISI 316L	~~M10X20~~ M6x20		



PARALLEL ROUTING



NOTES:
1) ~~CABLE LUG CRIMPING METHOD SHALL BE HEXAGONAL COMPRESSION DIES ONLY.~~
2) FOR DETAIL OF EARTHING PLATE, EARTHING BOSS AND THREADED STUD SEE TYP. E11A/C/D/E.
3) FOR EARTHING USE NEAREST EXISTING EARTHING POINT OR A NEW DEDICATED.
4) ON EVERY CHANGE OF DIRECTION MADE WITHOUT A PREFABBRICATED BEND, BONDING CONNECTION IS REQUIRED BY MEAN OF INSULATED Y/G EARTHING CONDUCTOR.
5) THE ELECTRIC CONTINUITY BETWEEN THE VARIOUS PREFABRICATED COMPONENTS IS GUARANTEED BY THE JOINTS INSTALLED ACCORDING TO THE ASSEMBLY INSTRUCTIONS OF THE CABLE TRAY/LADDER MANUFACTURER.
6) CABLE LADDER/TRAY SHALL BE CONNECTED TO THE EQUIPOTENTIAL BONDING SYSTEM AT BOTH ENDS. FULL CONTINUITY SHALL BE ENSURED. IN CASE OF SHORT LENGHT ELEMENTS (LESS THAN 3 m) ONE END ONLY MAY BE CONNECTED TO THE EQUIPOTENTIAL BONDING SYSTEM.
7) EXTERNAL EARTHING CONNECTION ONLY SHALL BE PROTECTED AGAINST CORROSION USING OXIDE RESISTANT COMPOUND (E.G. COPPER GREASE).

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20090**

REV.:	DATE:	SIGNATURE:
2_I	07/11/24	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	26/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	10/06/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS–EARTHING SYSTEM
EARTHING FOR CABLE LADDERS & TRAYS

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

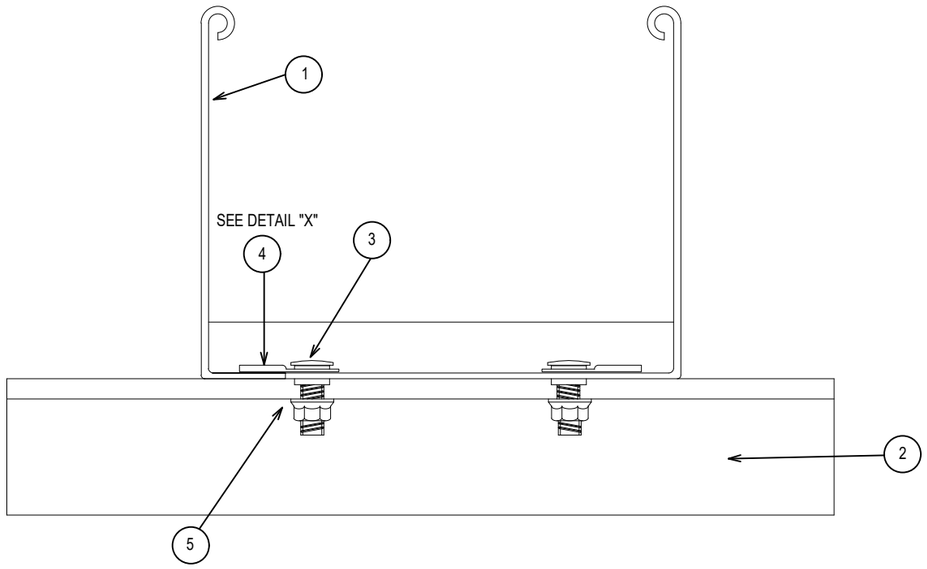
A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-EL-DD-20090	013	02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20090 REV.02.DWG

CABLE LADDER FIXING ON FRP RACK

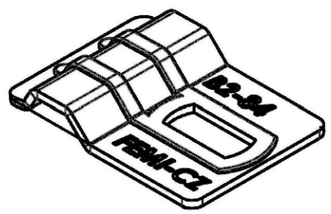
POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	PROFILE SUPPORT	FRP			
3	ROUND HEAD SQUARE NECK SCREW	AISI 316L	M8x20	2	
4	HOLD DOWN CLAMP	AISI 316L		2	
5	FLANGED NUT	AISI 316L	M8	2	



TYPICAL

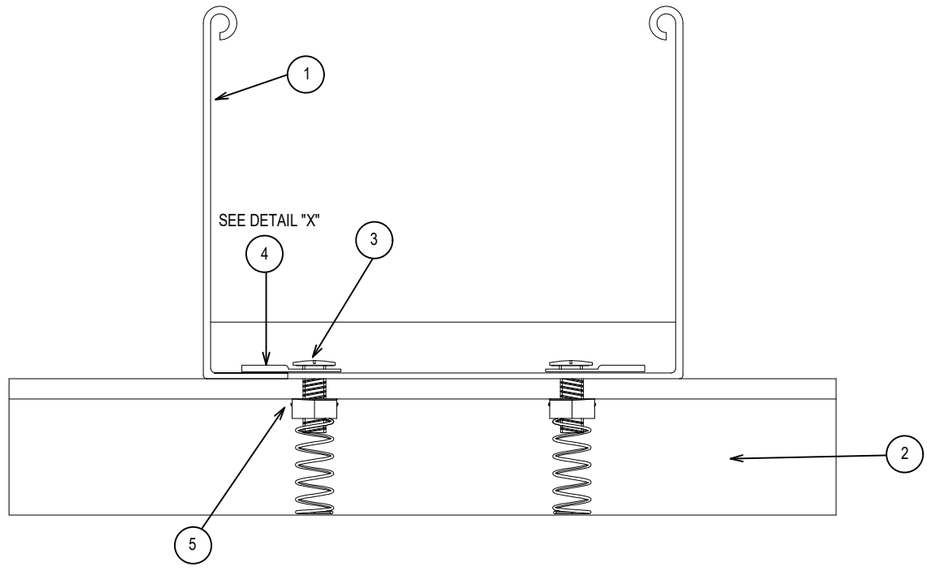
LF

DETAIL "X"



CABLE LADDER FIXING ON UNISTRUT

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M8x20	2	
4	HOLD DOWN CLAMP	AISI 316L		2	
5	NUT FOR CHANNEL WITH SPRING	AISI 316L	M8x40	2	



TYPICAL

LU

SEE SHEET 18 FOR FIXING OF CABLE LADDER ON UNISTRUT ON VERTICAL RUNS

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20093**

REV.:	DATE:	SIGNATURE:
2_F	09/01/25	G.Randi

ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE LADDER FIXING

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

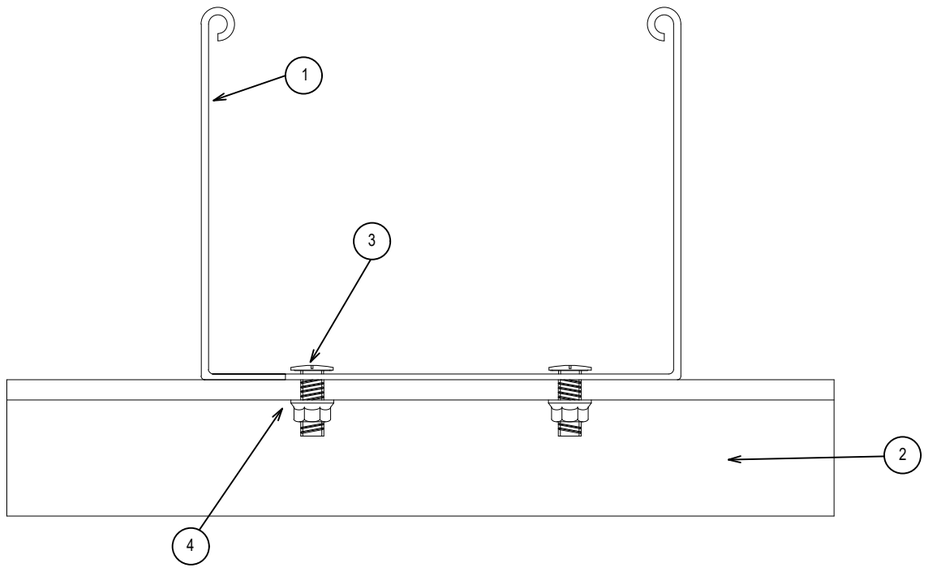
A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 004 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

CABLE TRAY PERFORATED FIXING ON FRP RACK

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE TRAY PERFORATED	AISI 316L			
2	PROFILE SUPPORT	FRP			
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M6x20	2	
4	FLANGED NUT	AISI 316L	M6	2	

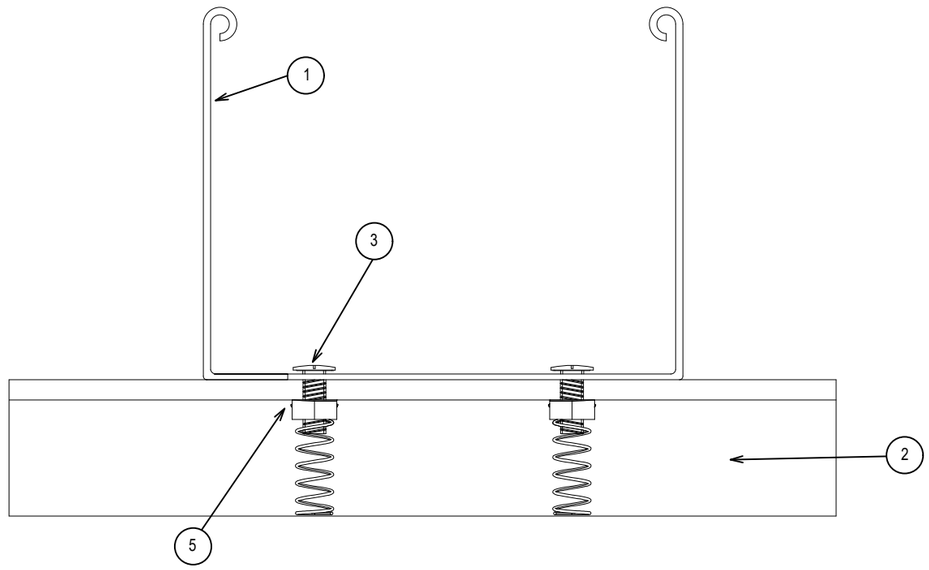


TYPICAL

TF

CABLE TRAY PERFORATED FIXING ON UNISTRUT

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE TRAY PERFORATED	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		
3	ROUND HEAD SCREW DOUBLE SLOT	AISI 316L	M6x20	2	
5	NUT FOR CHANNEL WITH SPRING	AISI 316L	M6x40	2	



TYPICAL

TU

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20093

REV.:	DATE:	SIGNATURE:
2_F	09/01/25	G.Randi

ROSETTI MARINO SpA

02

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE TRAY PERFORATED FIXING

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

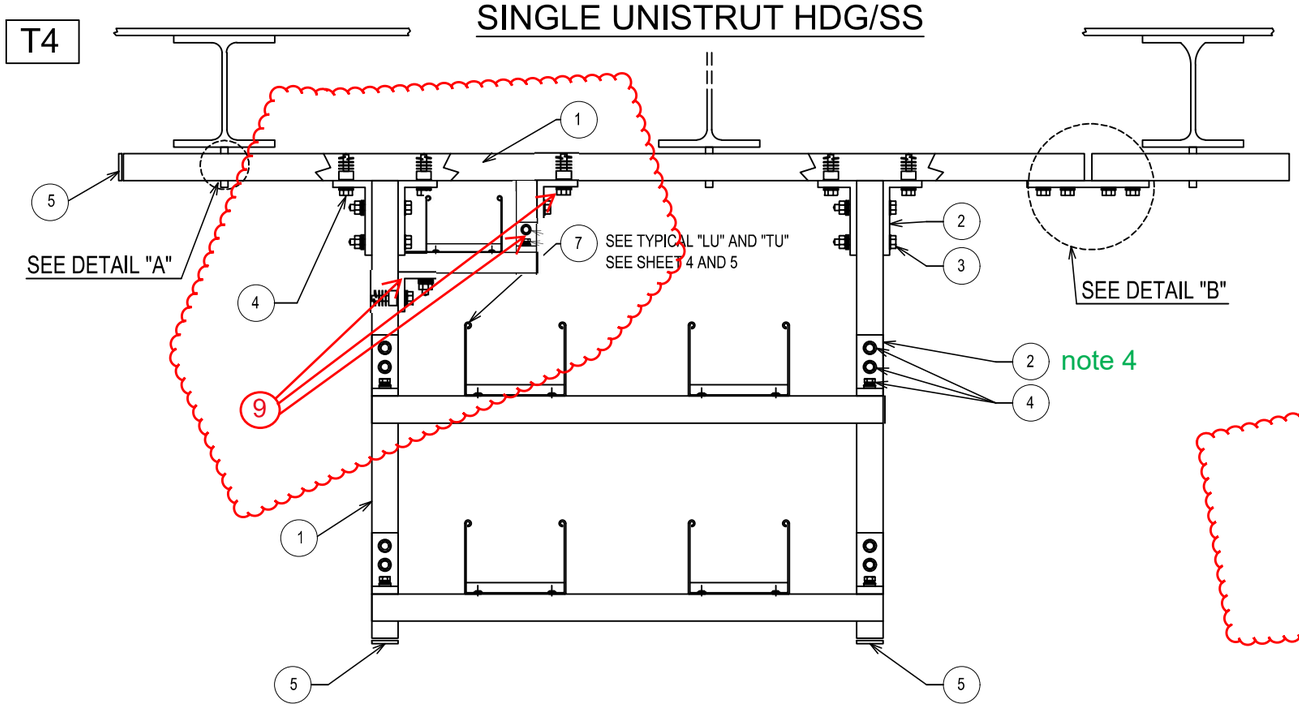
A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 005 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

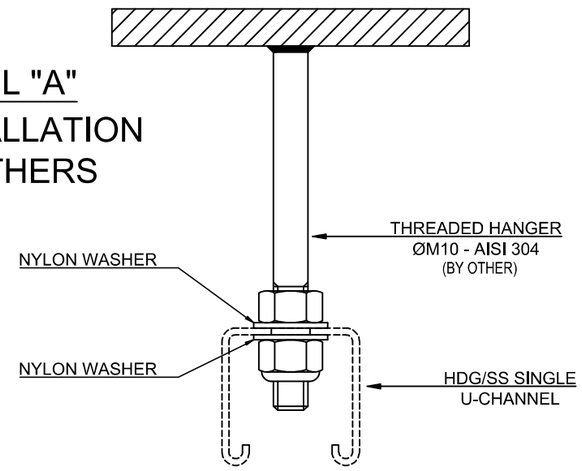
T4

SINGLE UNISTRUT HDG/SS

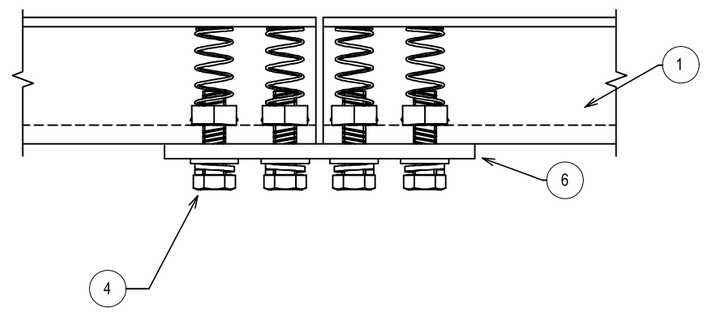


POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	SINGLE U-CHANNEL PERFORATED ON NO. 3 SIDE	AISI 316L	41x41x2		NOTE 1
2	PLATE FOR ORTHOGONAL TRASVERSAL CONNECTION WITH 3 HOLES	AISI 316L		8	
3	HEXAGONAL BOLT COMPLETE WITH PLANE WASHERS, GROWER AND NUT	AISI 316L	M10x70	4	
4	HEXAGONAL BOLT COMPLETE WITH LARGE PLANE WASHER, GROWER AND NUT FOR U-CHANNEL WITH SPRING	AISI 316L	~~M10~~ M12	16	
5	PLUG FOR U-CHANNEL	LPDE		AS R	
6	CONNECTION PLATE (4 HOLES)	AISI 316L		AS R	
7	CABLE LADDER OR PERFORATED TRAY	AISI 316L			
8	DOUBLE SLOT CROWNED HEAD SCREW C/W PLANE WASHER, GROWER AND NUT FOR U-CHANNEL WITH SPRING	AISI 316L	M6x20	AS R	
9	PLATE FOR ORTHOGONAL TRASVERSAL CONNECTION WITH 2 HOLES	AISI 316L		3	

DETAIL "A"
INSTALLATION
BY OTHERS



DETAIL "B"



4) ALTERNATIVELY, USE PLATE FOR CONNECTION WITH 2 HOLES

NOTES:
1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.
2) FOR DISTANCE BETWEEN CABLE LADDERS/TRAYS, SEE SEGREGATION DISTANCES DETAIL ON SHEET 003.
3) THIS TYPICAL SHALL BE USED ONLY FOR INDOOR INSTALLATION.

TYPICAL VALID INSIDE TECHNICAL ROOMS

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20093**

REV.:	DATE:	SIGNATURE:
2_F	09/01/25	G.Randi

ROSETTI MARINO SpA

02

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE WAY FIXING TO WELDED THREADED HANGER WITH U-CHANNEL

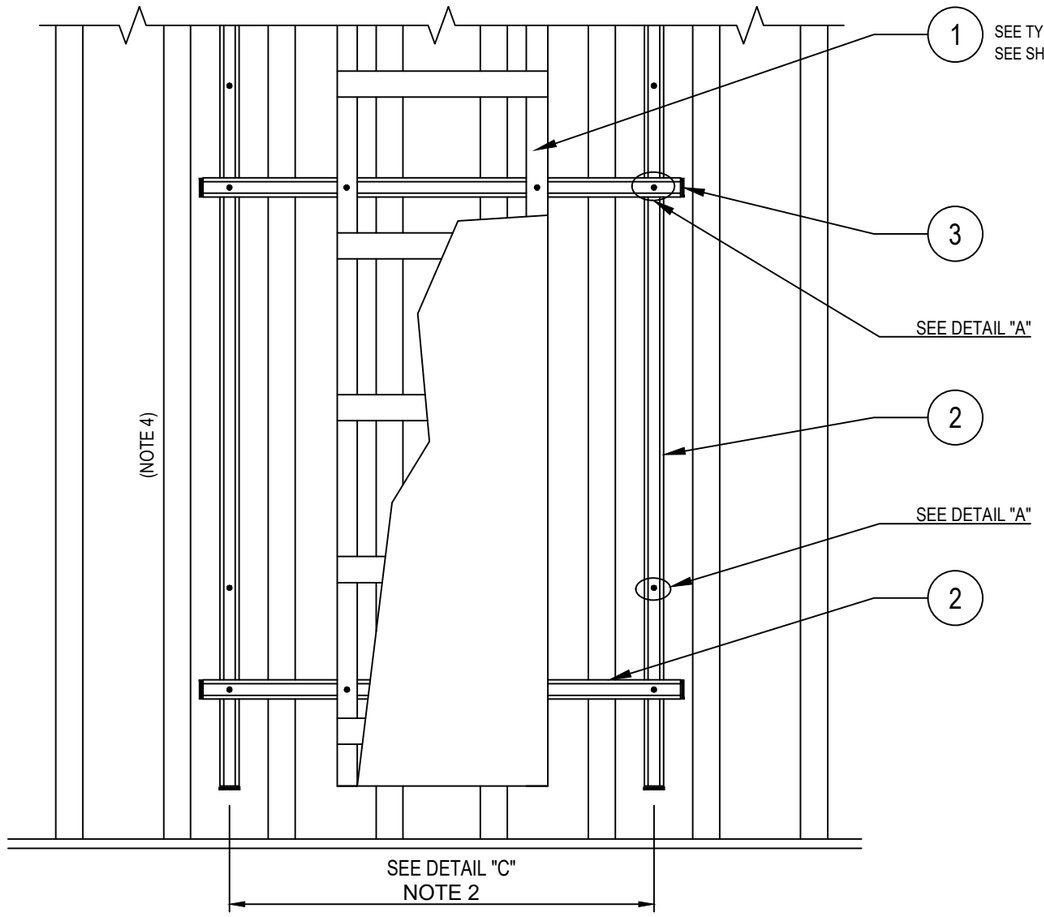
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-EL-DD-20093	009	02

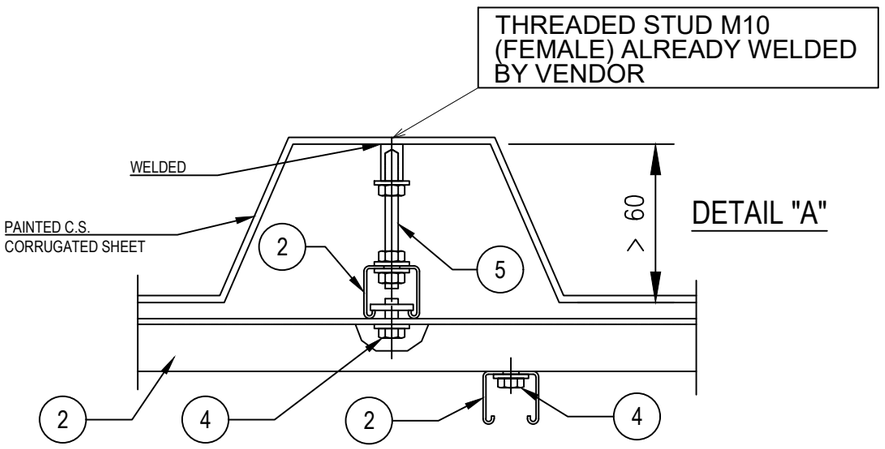
F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

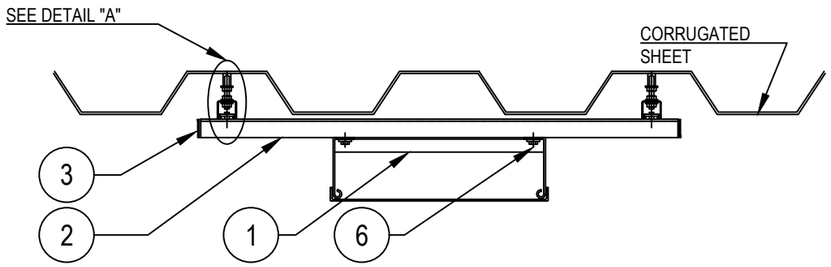
T7



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	CABLE LADDER OR PERFORATED TRAY	AISI 316L			
2	SINGLE U-CHANNEL PERFORATED	AISI 316L	41x41x2		NOTE 1
3	PLUG FOR U-CHANNEL	LPDE			
4	HEXAGONAL BOLT COMPLETE WITH LARGE PLANE WASHER, NUT FOR U-CHANNEL WITH SPRING	AISI 316L	M10x30		
5	THREADED ROD M10 (L=110mm) COMPLETE WITH PLANE WASHER, LARGE PLANE WASHERS, SPRING WASHER AND NUTS	AISI 316L	M10x110		



DETAIL "C"



NOTES:
1) THE EXACT DIMENSIONS WILL BE DEFINED DURING ASSEMBLY FASE.
2) THE DISTANCE BETWEEN SUPPORTS SHALL BE DEFINED ACCORDING TO THE SIZE OF THE CABLE LADDER AND TYPE OF CORRUGATED SHEET

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DD-20093**

REV.:	DATE:	SIGNATURE:
2_F	09/01/25	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	05/08/24	GRA	AMA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	29/04/24	SPS	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	21/11/23	SPS	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

02

CROSSWIND

ROSETTI MARINO

TITLE : 02 BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-CABLE ROUTES SYSTEM
CABLE WAY WITH NELSON STARTER ON SHELTER

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

A3 | DRAWING NO. 123A90-DDL-EL-DD-20093 | SHEET 014 | REV. 02

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DD-20093_02.DWG

DESIGN DATA - *CABLE TRAYS LADDER TYPE FOR EXTERNAL INSTALLATION - GREY COLOUR*

TYPE	☑ Ladder	☐ Tray with simple ribs	☐ Tray with rimmed ribs		
	Thickness 5mm (*)	BENDING RADIUS:	☑ 300mm	☐ 500mm	
	☑ Cover	☐ Cover spacer	☐ Whitout Cover		
	Thickness 5mm (*)				
MATERIAL	☐ Galvanized steel	☐ Stainless steel	☐ Light alloy	☑ FRP (3)	☐ AISI 316L
SURFACE PROTECTION	Galvanized	☐ before machined (ex. with "Sendzimir" process)	☐ after machined		
	☐ Surface clean and polished from any welding and working residual				
	☐ Painting				
	Colour:	☑ Grey RAL 7035	☐ blue RAL 5012	☐	
	Cycle:				

POS.	DIMENSIONS (6)		a	b	c	d	e	f	g	h	i	l		
	Total External height	H	100	100	100									Manufacturer: Oglaend Supplier: HILTI Series: FOE100 P.O.
	Working internal width	W	300	450	600									
	Working internal width (reducer)	W1												
	DESCRIPTION	**FIG. (7)**	**QUANTITY (8)**											
1	Straight section Y = 3000 mm	A												
2	Straight section Y = mm													
3	Plane 90 degree bend	B												
4	Plane 45 degree bend	C												
	Plane 30 degree bend													
5	"T" junction	D												
6	Cross junction	E												
7	Single element for vertical bend	F												
8	Plane left-hand reducing section	G												
9	Plane simmetric reducing section	H												
10	Plane right-hand reducing section	I												
11	Elbow Inside 30°													
12	Elbow Outside 30°													
13	Elbow Inside 45°													
14	Elbow Outside 45°													
15	Elbow Inside 90°													
16	Elbow Outside 90°													
17														
18	Horizontally hinged joint	L												
19	Vertically hinged joint (note 6)	M												
20														
21	Separators													

NOTES :

6) Dimensions in millimeters

7) Reference to sheet 6

8) For quantities please refer to sheet 9 Cable Trays Material Take-OFF

9) FRP = Fiberglass Reinforced Plastic

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

CABLE TRAYS LADDER TYPE - FIGURES

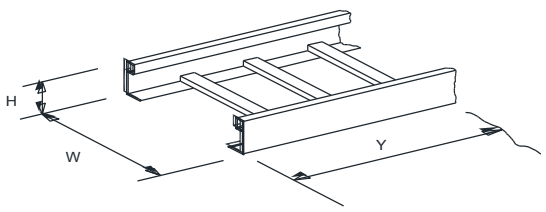


Fig. A
STRAIGHT ELEMENT

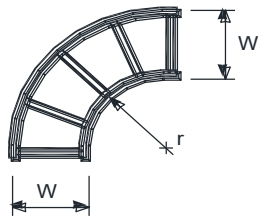


Fig. B
PLANE 90° BEND

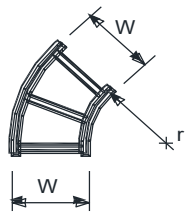


Fig. C
PLANE 45° BEND

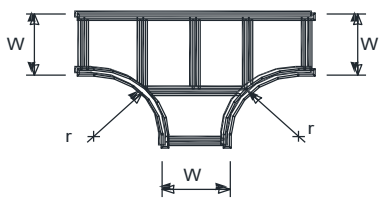


Fig. D
TEE JUNCTION

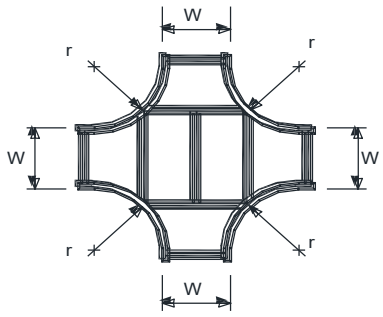


Fig. E
CROSS JUNCTION

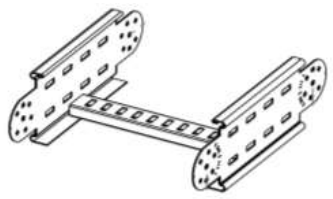


Fig. F
SINGLE ELEMENT FOR VERTICAL BENDS

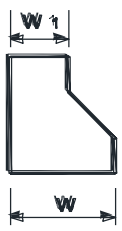


Fig. G
PLANE LEFT - HAND REDUCING SECTION



Fig. H
PLANE SYMMETRIC REDUCING SECTION



Fig. I
PLANE RIGHT - HAND REDUCING SECTION

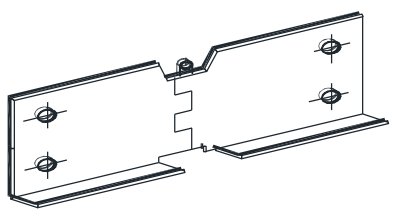


Fig. L
HORIZONTAL HINGED JOINT

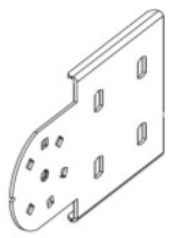


Fig. M
VERTICAL HINGED JOINT

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

DESIGN DATA - *CABLE TRAY PERFORATED TYPE FOR EXTERNAL INSTALLATION - GREY COLOUR*

TYPE	☑ Perforated	☐ Tray with simple ribs	☐ Tray with rimmed ribs	
	Thickness 5mm (*)	BENDING RADIUS:	☑ 300mm	☐ Adjustable elbow
	☑ Cover	☐ Cover spacer	☐ Whitout Cover	
	Thickness 5mm (*)			
MATERIAL	☐ Galvanized steel	☐ Stainless steel	☐ Light alloy	☑ FRP ☐ AISI 316L
SURFACE PROTECTION	Galvanized ☐ before machined (ex. with "Sendzimir" process)			☐ Hot dip Galvanized after machined - 50 µm
	☐ Surface clean and polished from any welding and working residual			
	☐ Painting			
	Colour: ☑ Grey RAL 7035	☐ blue RAL 5012	☐	
	Cycle:			

POS.	DIMENSIONS (6)		a	b	c	d	e	f	g	h	i	l		
	Total External height	H	50	80	80									Manufacturer: Oglaend Supplier: HILTI Series: FTE80 P.O.
	Working internal width	W	50	150	200									
	Working internal width (reducer)	W1												
	DESCRIPTION	**FIG. (7)**	**QUANTITY (8)**											
1	Straight section Y = 3000 mm	A												
2	Straight section Y = mm													
3	Plane 90 degree bend	B												
4	Plane 45 degree bend	C												
	"T" junction													
5	Vertical convex 90° Bend	D												
6	Vertical concave 90° Bend	E												
7	Plane left-hand reducing section	F												
8	Plane simmetric reducing section	G												
9	Plane right-hand reducing section	H												
10		I												
11														
12														
13														
14														
15														
16														
17														
18	Horizontally hinged joint	L												
19	Vertically hinged joint	M												
20														
21	Separators													

NOTES :

6) Dimensions in millimeters
7) Reference to Sheet 9
8) For quantities please refer to sheet 9 Cable Trays Material Take-OFF
9) FRP = Fiberglass Reinforced Plastic

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

CABLE TRAYS PERFORATED TYPE - FIGURES

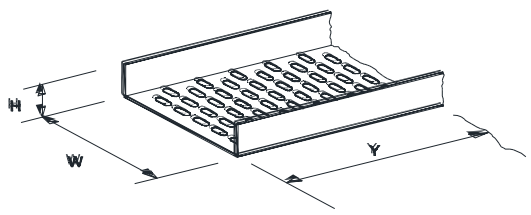


Fig. A
STRAIGHT ELEMENT

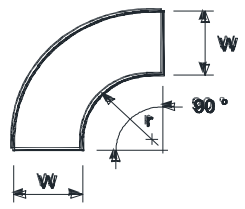


Fig. B
PLANE 90° BEND

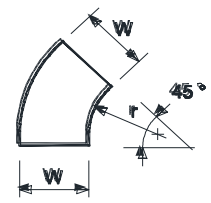


Fig. C
PLANE 45° BEND

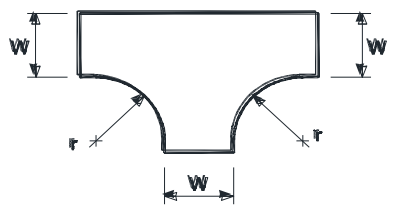


Fig. D
TEE JUNCTION

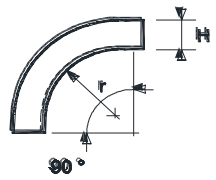


Fig. E
VERTICAL CONVEX 90° BEND

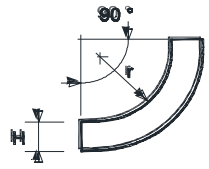


Fig. F
VERTICAL CONCAVE 90° BEND

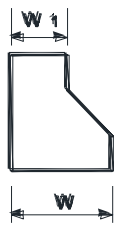


Fig. G
PLANE LEFT - HAND REDUCING SECTION



Fig. H
PLANE SYMMETRIC REDUCING SECTION

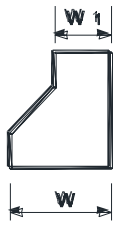


Fig. I
PLANE RIGHT - HAND REDUCING SECTION

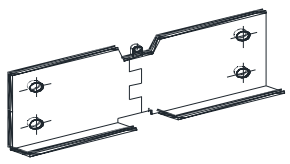


Fig. L
HORIZONTAL HINGED JOINT

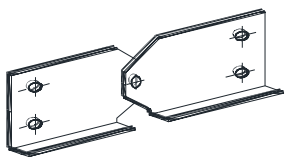


Fig. M
VERTICAL HINGED JOINT

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

INSTRUMENT CABLE TRAYS MTO				
S.No	**Description**	**U.M.**	**Rev. 00**	**Rev. 01**
Perforated Cable Tray 50(W)x50(H), R=300, Grey, Complete with Cover				
1	Straight elements	m	1338	1338
2	Bends 45°	N.	-	8
3	Inside Risers 90°	N.	-	3
4	Outside Risers 90°	N.	-	14
Perforated Cable Tray 150(W)x80(H), R=300, Grey, Complete with Cover				
5	Straight elements	m	453	453
6	Bends 45°	N.	7	12
7	Bends 90°	N.	40	40
8	Inside Risers 90°	N.	18	18
9	Inside Risers 45°	N.	6	6
10	Outside Risers 90°	N.	25	25
11	Outside Risers 45°	N.	3	3
12	"T"	N.	-	3
Perforated Cable Tray 200(W)x80(H), R=300, Grey, Complete with Cover				
13	Straight elements	m	480	480
14	Bends 90°	N.	22	22
15	Bends 45°	N.	10	12
16	Inside Risers 90°	N.	6	8
17	Inside Risers 45°	N.	12	12
18	Outside Risers 90°	N.	6	14
19	Outside Risers 45°	N.	12	12
Ladder Cable Tray 300(W)x100(H)), R=300, Grey, Complete with Cover				
20	Straight elements	m	111	111
21	Bends 90°	N.	7	7
22	Inside Risers 90°	N.	8	8
23	Outside Risers 90°	N.	4	4
24	"T"	N.	3	3
Ladder Cable Tray 450(W)x100(H)), R=300, Grey, Complete with Cover				
25	Straight elements	m	18	99
26	Bends 90°	N.	-	5
27	Bends 90°, Radius 500mm	N.	2	2
Ladder Cable Tray 600(W)x100(H)), R=300, Grey, Complete with Cover				
28	Straight elements	m	171	171
29	Bends 45°	N.	3	3
30	Inside Risers 90°	N.	2	2
31	Inside Risers 45°	N.	3	3
32	Outside Risers 90°	N.	4	4
33	Outside Risers 45°	N.	3	3
34	Reducer 600X450	N.	-	1
Accessories				
35	Divider straight elements, 45(H)	m	87	120
36	Divider for bend elements, 45(H)	m	15	15
37	Divider for riser elements, 45(H)	m	15	15
38	Fixing Clamps	N.	(1)	(1)
Notes 1) Vendor shall estimate fixing clamp quantities				

This document undergoes an issuance cycle within EDMS "Fusionlive".
Its distribution is electronically controlled. Once printed shall be considered as "NOT CONTROLLED" copy

Section 7 MECHANICAL COMPLETION STATUS INDEX - MECHANICAL DISCIPLINE

NOT APPLICABLE

Section 8 MECHANICAL COMPLETION STATUS INDEX - TELECOMMUNICATION DISCIPLINE

NOT APPLICABLE

Section 9 MECHANICAL COMPLETION STATUS INDEX - HVAC DISCIPLINE

NOT APPLICABLE

Section 10 MECHANICAL COMPLETION STATUS INDEX - PIPING DISCIPLINE

NOT APPLICABLE

Section 11 MECHANICAL COMPLETION INDEX - SAFETY DISCIPLINE

NOT APPLICABLE

Section 12 FAT / VENDOR REPORTS

NOT APPLICABLE

Section 13 MECHANICAL COMPLETION CHANGES / MARK-UPS

NOT APPLICABLE