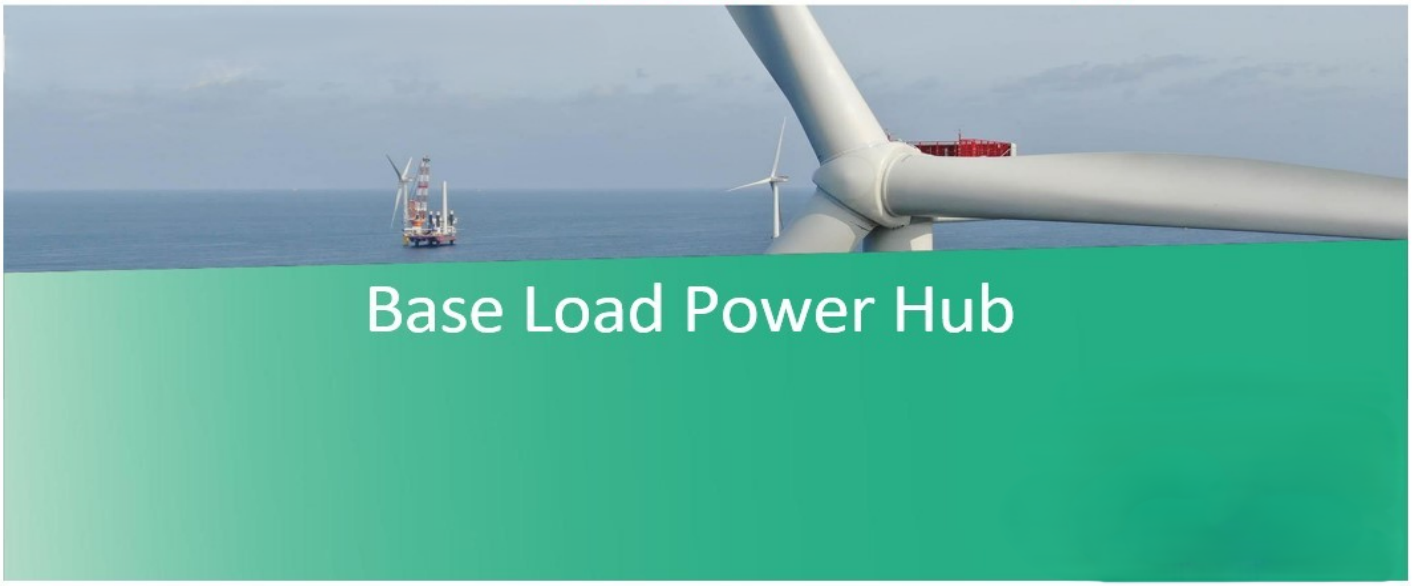
CROSSWIND

ROSETTI MARINO

PROVERLIS

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



MECHANICAL COMPLETION DOSSIER (ONSHORE)

SYSTEM	87 Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-10 Process Control System (PCS)

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

Sub System N°:	87-10	Tick as appropriate	ONSHORE	O
Description:	Process Control System (PCS)		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*	O
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*	OK
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:	2024-11-27	
System:	87	/	Instrumentation Systems incl. general control room equipment		
SubSystem:	87-10	/	Process Control System (PCS)		

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	18

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	2024-11-28	2024-11-29	2024-11-29	2024-11-29
Signature	PROVERLIS Digitaly signed by Wolmer Borghi 2024-11-28T15:36:22.264Z	PROVERLIS Digitaly signed by Anthony Iveson 2024-11-29T08:17:25.505Z	PROVERLIS Digitaly signed by CPY NOT PRESEN 2024-11-29T08:23:44.693Z	PROVERLIS Digitaly signed by CPY NOT PRESEN 2024-11-29T08:23:50.065Z

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 87-10 & process: MC

Electrical	87-10 Process Control System (PCS)						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
83105-CEL	Lighting & Small Power DB BoP / PCS -Controller and I/O Cabinet - Auxiliary	ONSHORE	C10000624	CPX09	100	2024-11-09	RFC 1
84303-CEL	AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line A	ONSHORE	C10000581	CPX09	100	2024-11-08	RFC 1
84304-CEL	AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line B	ONSHORE	C10000582	CPX09	100	2024-11-08	RFC 1

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 87-10 & process: MC

Instrumental	87-10 Process Control System (PCS)						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
B400-PCS-001	PCS -Controller and I/O Cabinet	ONSHORE	C10000842	CJX48	100	2024-11-20	RFC 1
B400-PCS-002	PCS Marshalling Cabinet	ONSHORE	C10000843	CJX48	100	2024-11-22	RFC 1

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-10	Process Control System (PCS)

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000331	A	84303-CEL C10000581	Armour of the cable is not connected to BTM.	.		Gtangianu 2024-11-08		Ecarotenuto	
C30000407	A	83105-CEL C10000624	multiple earthing cables connected to one earthing connection. (See attached photo) .	.		Ecarotenuto 2024-11-09		Ecarotenuto	
C30000332	B	84303-CEL C10000581	Plastic cable ties to be replaced on external routing. Cable needs to be fixed also on B-400 cable trays.	.		Gtangianu 2024-11-08			
C30000335	B	84304-CEL C10000582	Plastic cable ties to be replaced on external routing. Cable needs to be fixed also on B-400 cable trays.	.		Gtangianu 2024-11-08			
C30000406	B	83105-CEL C10000624	Missing cable tag inside the panel DP-200N1 and on MCT (both side)	.		Ecarotenuto 2024-11-09			
C30000411	B	83105-CEL C10000624	Plastic cable ties to be replaced on external routing	.		Ecarotenuto 2024-11-09			

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 87 Instrumentation Systems incl. general control room equipment

SUBSYSTEM 87-10 Process Control System (PCS)

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000216	B	B400-PCS-001	Replace disconnector switches Q18 and Q18 with the right rating 32A, with NO auxiliary contact			SLinari 2024-10-14			
C30000217	B	B400-PCS-002	Replace disconnector switches Q18 and Q18 with the right rating 32A, with NO auxiliary contact			SLinari 2024-10-14			
C30000218	B	B400-PCS-001	Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)			SLinari 2024-10-14			
C30000219	B	B400-PCS-002	Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)			SLinari 2024-10-14			
C30000369	B	B400-PCS-001	Replace disconnector switches Q18 and Q19 with the right rating 32A, with NO auxiliary contact			SLinari 2024-10-14			
C30000370	B	B400-PCS-002	Replace disconnector switches Q18 and Q19 with the right rating 32A, with NO auxiliary contact			SLinari 2024-10-14			
C30000371	B	B400-PCS-001	Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)			SLinari 2024-10-14			
C30000372	B	B400-PCS-002	Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)			SLinari 2024-10-14			
C30000648	B	B400-PCS-001 C10000842	All documentation listed in the SMIR, shall be re-issued in final revision and approved by RM and CW	.		Gtangianu 2024-11-20			

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-10	Process Control System (PCS)

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000653	B	B400-PCS-001 C10000842	Internal base plate will be installed after commissioning.	.		Gtangianu 2024-11-20			
C30000658	B	B400-PCS-001 C10000842	The front doors need to be installed.	.-		Gtangianu 2024-11-20			
C30000773	B	B400-PCS-002 C10000843	Internal base plate will be installed after commissioning.	.		Gtangianu 2024-11-22			
C30000774	B	B400-PCS-002 C10000843	The front doors need to be installed.	.		Gtangianu 2024-11-22			
C30000775	B	B400-PCS-002 C10000843	All documentation listed in the SMIR, shall be re-issued in final revision and approved by RM and CW	.		Gtangianu 2024-11-22			

Section 2 CONSOLIDATED PUNCH LISTS

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-10	Process Control System (PCS)

Electrical

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000331	A	84303-CEL C10000581	Armour of the cable is not connected to BTM.	.		Gtangianu 2024-11-08	2024-11-27	Ecarotenuto 2024-11-27	2024-11-27
C30000407	A	83105-CEL C10000624	multiple earthing cables connected to one earthing connection. (See attached photo) .	.		Ecarotenuto 2024-11-09	2024-11-27	Ecarotenuto 2024-11-27	2024-11-27
C30000332	B	84303-CEL C10000581	Plastic cable ties to be replaced on external routing. Cable needs to be fixed also on B-400 cable trays.	.		Gtangianu 2024-11-08	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000335	B	84304-CEL C10000582	Plastic cable ties to be replaced on external routing. Cable needs to be fixed also on B-400 cable trays.	.		Gtangianu 2024-11-08	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000406	B	83105-CEL C10000624	Missing cable tag inside the panel DP-200N1 and on MCT (both side)	.		Ecarotenuto 2024-11-09	2025-02-26	Pschintu 2025-02-26	2025-02-26
C30000411	B	83105-CEL C10000624	Plastic cable ties to be replaced on external routing	.		Ecarotenuto 2024-11-09	2025-02-26	Pschintu 2025-02-26	2025-02-26

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-10	Process Control System (PCS)

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000216	B	B400-PCS-001	Replace disconnector switches Q18 and Q18 with the right rating 32A, with NO auxiliary contact		INSTALLED	SLinari 2024-10-14	SLinari 2024-12-10	SLinari 2024-12-10	2024-12-10
C30000217	B	B400-PCS-002	Replace disconnector switches Q18 and Q18 with the right rating 32A, with NO auxiliary contact		INSTALLED	SLinari 2024-10-14	SLinari 2024-12-10	SLinari 2024-12-10	2024-12-10
C30000218	B	B400-PCS-001	Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)		INSTALLED	SLinari 2024-10-14	SLinari 2024-12-10	SLinari 2024-12-10	2024-12-10
C30000219	B	B400-PCS-002	Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)		INSTALLED	SLinari 2024-10-14	SLinari 2024-12-10	SLinari 2024-12-10	2024-12-10
C30000369	B	B400-PCS-001	Replace disconnector switches Q18 and Q19 with the right rating 32A, with NO auxiliary contact			SLinari 2024-10-14	2024-12-07	LNovaga 2024-12-07	2024-12-07
C30000370	B	B400-PCS-002	Replace disconnector switches Q18 and Q19 with the right rating 32A, with NO auxiliary contact			SLinari 2024-10-14	2024-12-07	LNovaga 2024-12-07	2024-12-07
C30000371	B	B400-PCS-001	Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)			SLinari 2024-10-14	2024-12-07	LNovaga 2024-12-07	2024-12-07
C30000372	B	B400-PCS-002	Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)			SLinari 2024-10-14	2024-12-07	LNovaga 2024-12-07	2024-12-07
C30000648	B	B400-PCS-001 C10000842	All documentation listed in the SMIR, shall be re-issued in final revision and approved by RM and CW	.		Gtangianu 2024-11-20			

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-10	Process Control System (PCS)

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30000653	B	B400-PCS-001 C10000842	Internal base plate will be installed after commissioning.	.		Gtangianu 2024-11-20			
C30000658	B	B400-PCS-001 C10000842	The front doors need to be installed.	.-		Gtangianu 2024-11-20	2024-12-23	Ecarotenuto 2024-12-23	2024-12-23
C30000773	B	B400-PCS-002 C10000843	Internal base plate will be installed after commissioning.	.		Gtangianu 2024-11-22			
C30000774	B	B400-PCS-002 C10000843	The front doors need to be installed.	.		Gtangianu 2024-11-22	2024-12-27	Ecarotenuto 2024-12-27	2024-12-27
C30000775	B	B400-PCS-002 C10000843	All documentation listed in the SMIR, shall be re-issued in final revision and approved by RM and CW	.		Gtangianu 2024-11-22			

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000648

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000842	1.4 Discipline	Instrumental
1.2 Item	B400-PCS-001	PCS -Controller and I/O Cabinet	
1.3 Subsystem	87-10	Process Control System (PCS)	

2 - OBSERVATION

All documentation listed in the SMIR, shall be re-issued in final revision and approved by RM and CW

Name: Giovanni Tangianu

Date: 2024-11-20

Signature: Digitaly signed by Giovanni Tangianu 2024-11-20T13:56:22.666Z

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	2024-11-20
3.5 Action by	VND Vendor	Signature	Digitaly signed by Giovanni Tangianu 2024-11-20T13:55:34.436Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Name

Date

Signature

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000653

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000842	1.4 Discipline	Instrumental
1.2 Item	B400-PCS-001	PCS -Controller and I/O Cabinet	
1.3 Subsystem	87-10	Process Control System (PCS)	

2 - OBSERVATION

Internal base plate will be installed after commissioning.

Name: Giovanni Tangianu

Date: 2024-11-20

Signature: Digitaly signed by Giovanni Tangianu 2024-11-20T14:02:33.802Z

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	2024-11-20
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Giovanni Tangianu 2024-11-20T14:02:49.825Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Name

Date

Signature

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000773

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000843	1.4 Discipline	Instrumental
1.2 Item	B400-PCS-002	PCS Marshalling Cabinet	
1.3 Subsystem	87-10	Process Control System (PCS)	

2 - OBSERVATION

Internal base plate will be installed after commissioning.

Name: Giovanni Tangianu

Date: 2024-11-22

Signature: Digitaly signed by Giovanni Tangianu 2024-11-22T14:50:33.500Z

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	2024-11-22
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Giovanni Tangianu 2024-11-22T14:50:51.844Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Name

Date

Signature

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000775

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000843	1.4 Discipline	Instrumental
1.2 Item	B400-PCS-002	PCS Marshalling Cabinet	
1.3 Subsystem	87-10	Process Control System (PCS)	

2 - OBSERVATION

All documentation listed in the SMIR, shall be re-issued in final revision and approved by RM and CW

Name: Giovanni Tangianu

Date: 2024-11-22

Signature: Digitaly signed by Giovanni Tangianu 2024-11-22T14:52:41.688Z

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	2024-11-22
3.5 Action by	VND Vendor	Signature	Digitaly signed by Giovanni Tangianu 2024-11-22T14:52:51.316Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Name

Date

Signature

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000216

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task		1.4 Discipline	Instrumental
1.2 Item	B400-PCS-001		PCS -Controller and I/O Cabinet
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Replace disconnector switches Q18 and Q18 with the right rating 32A, with NO auxiliary contact

Name

Date

Signature

3 - DEFECT ASSESSMENT

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Stefano Linari
3.4 Activity code	FAT factory acceptance test	Date	2024-10-14
3.5 Action by		Signature	--- Proverlis --- Duplicata issued from database information Signature is on original form

4 - PERFORMED ACTION

INSTALLED

Name VENDOR YOKOGAWA

Date 2024-12-10

Signature PROVERLIS Digitaly signed by VENDOR YOKOGAWA 2024-12-10T14:16:10.817Z

5 - CLEARANCE CHECK

INSTALLED

Name Stefano Linari

Date 2024-12-10

Signature PROVERLIS Digitaly signed by Stefano Linari 2024-12-10T14:16:21.959Z

6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000217

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task		1.4 Discipline	Instrumental
1.2 Item	B400-PCS-002		PCS Marshalling Cabinet
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Replace disconnector switches Q18 and Q18 with the right rating 32A, with NO auxiliary contact

Name

Date

Signature

3 - DEFECT ASSESSMENT

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Stefano Linari
3.4 Activity code	FAT factory acceptance test	Date	2024-10-14
3.5 Action by		Signature	--- Proverlis --- Duplicata issued from database information Signature is on original form

4 - PERFORMED ACTION

INSTALLED

Name VENDOR YOKOGAWA

Date 2024-12-10

Signature Digitaly signed by VENDOR YOKOGAWA 2024-12-10T14:17:04.250Z

5 - CLEARANCE CHECK

INSTALLED

Name Stefano Linari

Date 2024-12-10

Signature Digitaly signed by Stefano Linari 2024-12-10T14:17:14.632Z

6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000218

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task		1.4 Discipline	Instrumental
1.2 Item	B400-PCS-001		PCS -Controller and I/O Cabinet
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)

Name

Date

Signature

3 - DEFECT ASSESSMENT

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Stefano Linari
3.4 Activity code	FAT factory acceptance test	Date	2024-10-14
3.5 Action by		Signature	--- Proverlis --- Duplicata issued from database information Signature is on original form

4 - PERFORMED ACTION

INSTALLED

Name VENDOR YOKOGAWA

Date 2024-12-10

Signature Digitaly signed by VENDOR YOKOGAWA 2024-12-10T14:27:46.594Z

5 - CLEARANCE CHECK

INSTALLED

Name Stefano Linari

Date 2024-12-10

Signature Digitaly signed by Stefano Linari 2024-12-10T14:28:00.412Z

6- CLEARANCE APPROVAL

Name

Date

Signature





ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000219

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task		1.4 Discipline	Instrumental
1.2 Item	B400-PCS-002		PCS Marshalling Cabinet
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)

Name

Date

Signature

3 - DEFECT ASSESSMENT

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Stefano Linari
3.4 Activity code	FAT factory acceptance test	Date	2024-10-14
3.5 Action by		Signature	--- Proverlis --- Duplicata issued from database information Signature is on original form

4 - PERFORMED ACTION

INSTALLED

Name VENDOR YOKOGAWA

Date 2024-12-10

Signature PROVERLIS Digitaly signed by VENDOR YOKOGAWA 2024-12-10T14:28:43.131Z

5 - CLEARANCE CHECK

INSTALLED

Name Stefano Linari

Date 2024-12-10

Signature PROVERLIS Digitaly signed by Stefano Linari 2024-12-10T14:28:54.939Z

6- CLEARANCE APPROVAL

Name

Date

Signature





ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000331

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000581	1.4 Discipline	Electrical
1.2 Item	84303-CEL		AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line A
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Armour of the cable is not connected to BTM.

Name: Giovanni Tangianu

Date: 2024-11-08

Signature: Digitaly signed by Giovanni Tangianu 2024-11-08T10:37:11.623Z

3 - DEFECT ASSESSMENT

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3.1 Corrective action proposal

3.2 Material required

3.3 Priority	A PL A	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2024-11-08
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Giovanni Tangianu 2024-11-08T10:37:26.679Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Done

Name: Eleonora Carotenuto

Date: 2024-11-27

Signature: Digitaly signed by Eleonora Carotenuto 2024-11-27T16:34:58.766Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000332

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000581	1.4 Discipline	Electrical
1.2 Item	84303-CEL		AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line A
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Plastic cable ties to be replaced on external routing. Cable needs to be fixed also on B-400 cable trays.

Name: Giovanni Tangianu

Date: 2024-11-08

Signature: Digitaly signed by Giovanni Tangianu 2024-11-08T10:45:04.402Z

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	2024-11-08
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Giovanni Tangianu 2024-11-08T10:45:49.766Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Paolo Schintu

Date: 2025-02-26

Signature: Digitaly signed by Paolo Schintu 2025-02-26T12:37:41.945Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000335

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000582	1.4 Discipline	Electrical
1.2 Item	84304-CEL		AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line B
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Plastic cable ties to be replaced on external routing. Cable needs to be fixed also on B-400 cable trays.

Name: Giovanni Tangianu

Date: 2024-11-08

Signature: Digitaly signed by Giovanni Tangianu 2024-11-08T10:58:55.620Z

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	2024-11-08
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Giovanni Tangianu 2024-11-08T10:59:09.706Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Paolo Schintu

Date: 2025-02-26

Signature: Digitaly signed by Paolo Schintu 2025-02-26T12:38:02.502Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000369

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task		1.4 Discipline	Instrumental
1.2 Item	B400-PCS-001		PCS -Controller and I/O Cabinet
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Replace disconnector switches Q18 and Q19 with the right rating 32A, with NO auxiliary contact

Name

Date

Signature

3 - DEFECT ASSESSMENT

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Stefano Linari
3.4 Activity code	FAT factory acceptance test	Date	2024-10-14
3.5 Action by		Signature	--- Proverlis --- Duplicata issued from database information Signature is on original form

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Refer to punch number: C30000216

Name Lorenzo Novaga

Date 2024-12-07

Signature Digitaly signed by Lorenzo Novaga 2024-12-07T10:00:33.773Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000370

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task		1.4 Discipline	Instrumental
1.2 Item	B400-PCS-002		PCS Marshalling Cabinet
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Replace disconnector switches Q18 and Q19 with the right rating 32A, with NO auxiliary contact

Name

Date

Signature

3 - DEFECT ASSESSMENT

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Stefano Linari
3.4 Activity code	FAT factory acceptance test	Date	2024-10-14
3.5 Action by		Signature	--- Proverlis --- Duplicata issued from database information Signature is on original form

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Refer to punch number: C30000217

Name Lorenzo Novaga

Date 2024-12-07

Signature Digitaly signed by Lorenzo Novaga 2024-12-07T10:00:49.536Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000371

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task		1.4 Discipline	Instrumental
1.2 Item	B400-PCS-001		PCS -Controller and I/O Cabinet
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)

Name

Date

Signature

3 - DEFECT ASSESSMENT

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Stefano Linari
3.4 Activity code	FAT factory acceptance test	Date	2024-10-14
3.5 Action by		Signature	--- Proverlis --- Duplicata issued from database information Signature is on original form

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Refer to punch number: C30000218

Name	Lorenzo Novaga
Date	2024-12-07
Signature	Digitaly signed by Lorenzo Novaga 2024-12-07T10:01:07.209Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000372

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task		1.4 Discipline	Instrumental
1.2 Item	B400-PCS-002		PCS Marshalling Cabinet
1.3 Subsystem	87-10		Process Control System (PCS)

2 - OBSERVATION

Install and connect system cables (N. 12 type KS1-07/HF, N. 10 AKB331-M007/HF)

Name

Date

Signature

3 - DEFECT ASSESSMENT

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Stefano Linari
3.4 Activity code	FAT factory acceptance test	Date	2024-10-14
3.5 Action by		Signature	--- Proverlis --- Duplicata issued from database information Signature is on original form

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Refer to punch number: C30000219

Name Lorenzo Novaga

Date 2024-12-07

Signature Digitaly signed by Lorenzo Novaga 2024-12-07T10:01:35.040Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000406

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000624	CPX09	1.4 Discipline	Electrical
1.2 Item	83105-CEL		Lighting & Small Power DB BoP / PCS -Controller and I/O Cabinet - Auxiliary	
1.3 Subsystem	87-10		Process Control System (PCS)	

2 - OBSERVATION

Missing cable tag inside the panel DP-200N1 and on MCT (both side)

Name: Giovanni Tangianu

Date: 2024-11-08

Signature: Firma Digitale Sicura
Giovanni Tangianu
2024-11-08T09:36:16+0100

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	2024-11-09
3.5 Action by	PRE-COMM	Signature	Digitaly signed by Eleonora Carotenuto 2024-11-09T08:54:27.980Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Paolo Schintu

Date: 2025-02-26

Signature: Digitaly signed by Paolo Schintu
2025-02-26T12:39:12.718Z

6- CLEARANCE APPROVAL

Name

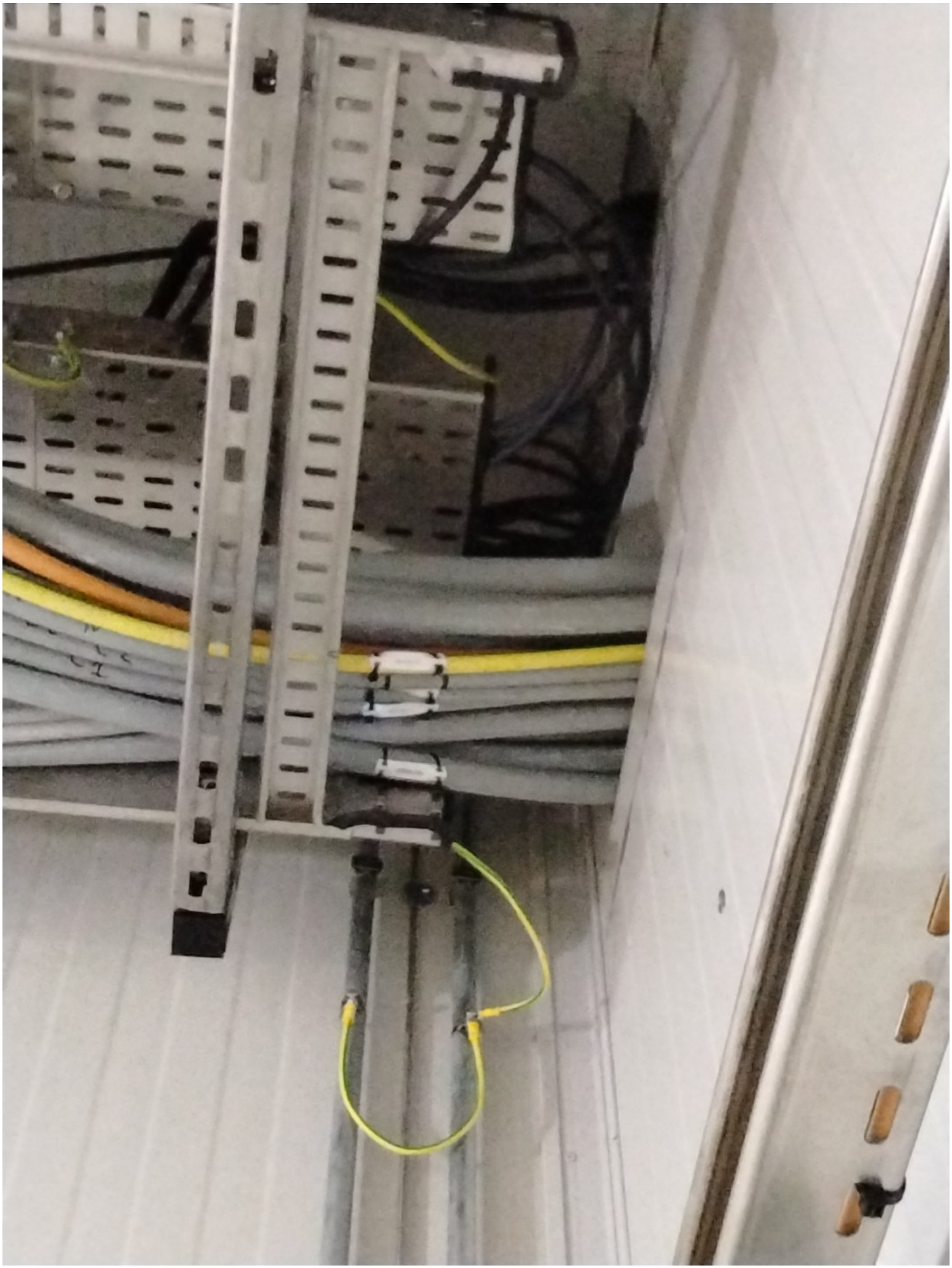
Date

Signature

2024-11-08 09:35 By Giovanni Tangianu



2024-11-08 09:35 By Giovanni Tangianu



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000407

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000624	CPX09	1.4 Discipline	Electrical
1.2 Item	83105-CEL		Lighting & Small Power DB BoP / PCS -Controller and I/O Cabinet - Auxiliary	
1.3 Subsystem	87-10		Process Control System (PCS)	

2 - OBSERVATION

multiple earthing cables connected to one earthing connection. (See attached photo) _ Point valid for the following cables 83105-CEL_ 83106-CEL _ 83109-CEL

Name: Giovanni Tangianu

Date: 2024-11-08

Signature: Firma Digitale Sicura Giovanni Tangianu 2024-11-08T09:39:27+0100

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	A PL A	Name	Eleonora Carotenuto
3.4 Activity code	MC Mechanical Completion	Date	2024-11-09
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Eleonora Carotenuto 2024-11-09T08:56:29.523Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Done

Name: Eleonora Carotenuto

Date: 2024-11-27

Signature: Digitaly signed by Eleonora Carotenuto 2024-11-27T16:35:14.649Z

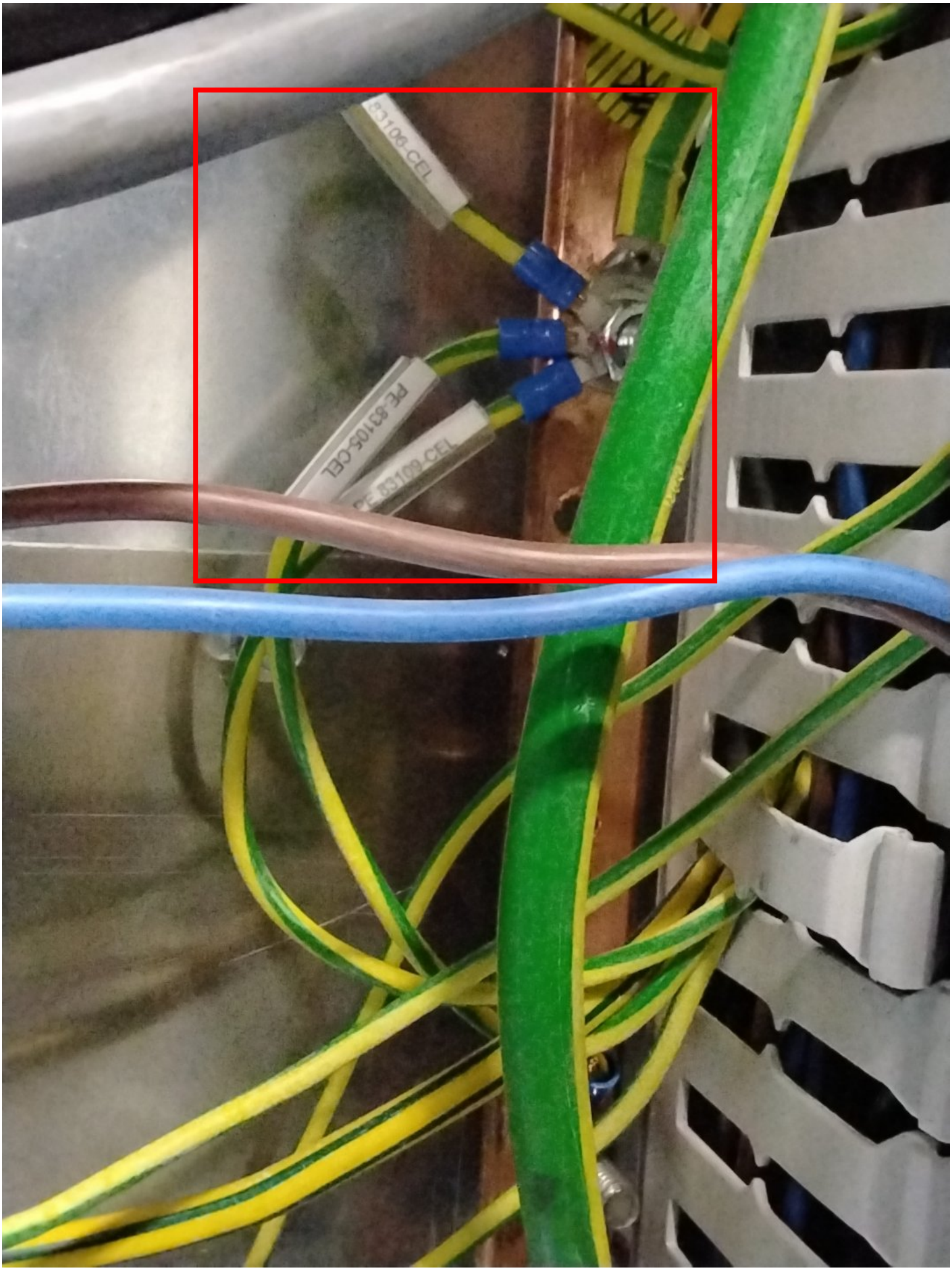
6- CLEARANCE APPROVAL

Name

Date

Signature

2024-11-08 09:38 By Giovanni Tangianu



ROSETTI MARINO CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000411

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000624	CPX09	1.4 Discipline	Electrical
1.2 Item	83105-CEL		Lighting & Small Power DB BoP / PCS -Controller and I/O Cabinet - Auxiliary	
1.3 Subsystem	87-10		Process Control System (PCS)	

2 - OBSERVATION

Plastic cable ties to be replaced on external routing

Name: Giovanni Tangianu

Date: 2024-11-08

Signature: Firma Digitale Sicura
Giovanni Tangianu
2024-11-08T09:33:26+0100

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	2024-11-09
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Eleonora Carotenuto 2024-11-09T09:06:48.241Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Paolo Schintu

Date: 2025-02-26

Signature: Digitaly signed by Paolo Schintu
2025-02-26T12:40:10.175Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000658

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000842	1.4 Discipline	Instrumental
1.2 Item	B400-PCS-001	PCS -Controller and I/O Cabinet	
1.3 Subsystem	87-10	Process Control System (PCS)	

2 - OBSERVATION

The front doors need to be installed.

Name: Giovanni Tangianu

Date: 2024-11-20

Signature: Digitaly signed by Giovanni Tangianu 2024-11-20T14:17:48.666Z

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	2024-11-20
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Giovanni Tangianu 2024-11-20T14:18:00.465Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto

Date: 2024-12-23

Signature: Digitaly signed by Eleonora Carotenuto 2024-12-23T17:02:19.241Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30000774

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000843	1.4 Discipline	Instrumental
1.2 Item	B400-PCS-002	PCS Marshalling Cabinet	
1.3 Subsystem	87-10	Process Control System (PCS)	

2 - OBSERVATION

The front doors need to be installed.

Name: Giovanni Tangianu

Date: 2024-11-22

Signature: Digitaly signed by Giovanni Tangianu 2024-11-22T14:51:38.985Z

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	2024-11-22
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Giovanni Tangianu 2024-11-22T14:51:49.252Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto

Date: 2024-12-27

Signature: Digitaly signed by Eleonora Carotenuto 2024-12-27T10:07:22.256Z

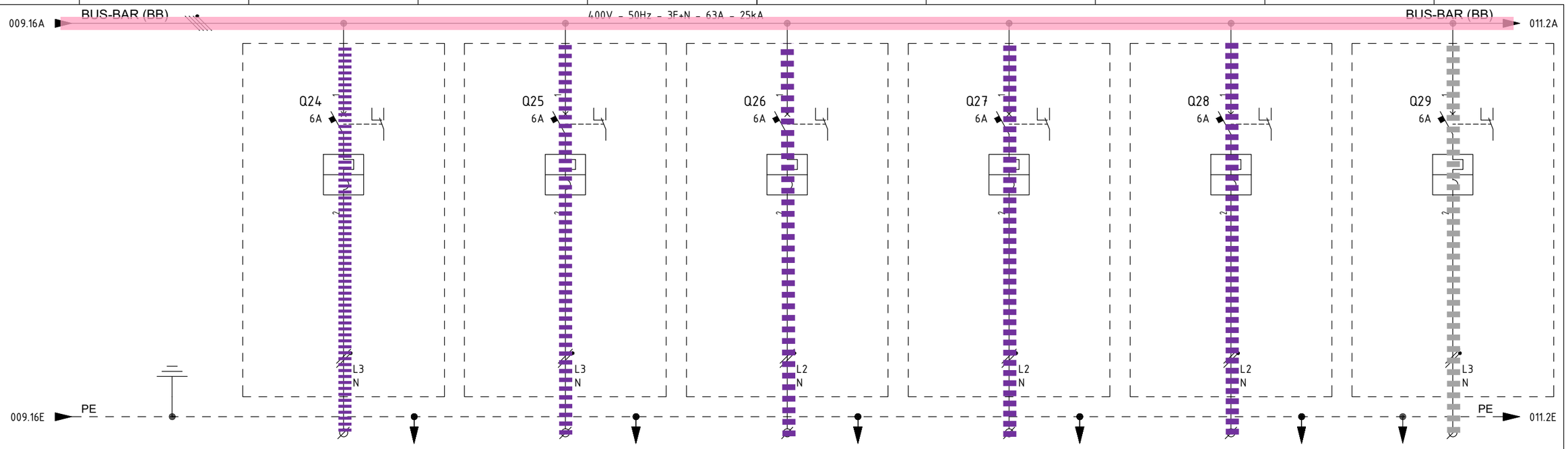
6- CLEARANCE APPROVAL

Name

Date

Signature

Section 3 SYSTEM,SUB-SYSTEM LIMIT DRAWINGS



ITEM			1	B400-PCS-001	B400-EMCS-001	B400-FGS-001	B400-NET-001	B400-SRV-001	CP-630E1
UTILITY			2	PCS-CONTROLLER AND I/O CABINET - AUXILIARY	EMCS-CONTROLLER AND I/O CABINET - AUXILIARY	FGS FIRE & GAS PANEL - AUXILIARY	SYSTEM SERVER / NETWORK CABINET - AUXILIARY	SERVER CABINET ITER - AUXILIARY	UCP - INSTRUMENT AIR PACKAGE -A-63000 - AUXILIARY
CUBICLE			3	+03	+03	+03	+03	+03	+03
RATED POWER | RATED CURRENT			4/5	0.5 KW | 2.72 A	0.5 KW | 2.72 A	0.8 KW | 4.35 A	0.5 KW | 2.72 A	0.5 KW | 2.72 A	0.5 KW | 2.72 A
TYPICAL FUNCTIONAL			6	-	-	-	-	-	-
CIRCUIT BREAKER (ABB)	TYPE		7	S302P-C6	S302P-C6	S302P-C6	S302P-C6	S302P-C6	S302P-C6
	VERSION		8	2P / MINIATURE	2P / MINIATURE	2P / MINIATURE	2P / MINIATURE	2P / MINIATURE	2P / MINIATURE
	TRIP UNITS		9	In=6A - Curve C	In=6A - Curve C	In=6A - Curve C	In=6A - Curve C	In=6A - Curve C	In=6A - Curve C
	Icu	KA	10	25kA	25kA	25kA	25kA	25kA	25kA
OVERLOAD	L	Range A	11	-	-	-	-	-	-
		Range t	12	-	-	-	-	-	-
SEL. SHORT-CIRCUIT	S	Range A	13	-	-	-	-	-	-
		Range t	14	-	-	-	-	-	-
INST. SHORT-CIRCUIT	I	Range A	15	-	-	-	-	-	-
		Range t	16	-	-	-	-	-	-
EARTH FAULT PROTECTION	G	Range A	17	-	-	-	-	-	-
		Range t	18	-	-	-	-	-	-
CONTACTOR (ABB)			19	-	-	-	-	-	-
THERMAL OVERLOAD RELAY (ABB)			20	-	-	-	-	-	-
SURGE ARRESTERS (DHENN)			21	-	-	-	-	-	-
TOROIDAL CURRENT TRANSFORMER (FRER)			22	-	-	-	-	-	-
FUSE HOLDER (ABB)			23	-	-	-	-	-	-
TWILIGHT SWITCH (ABB)			24	-	-	-	-	-	-
VOLTMETER (FRER)			25	-	-	-	-	-	-
CURRENT TRANSFORMER FOR MEASURE (FRER)	TYPE		26	-	-	-	-	-	-
	PERFORMANCE/CLASS		27	-	-	-	-	-	-
VOLTAGE TRANSFORMER FOR MEASURE (FRER)	TYPE		28	-	-	-	-	-	-
	PERFORMANCE/CLASS		29	-	-	-	-	-	-
POWER TERM. BLOCK (CABUR)		Type/mm²	30	SCREW / 4	SCREW / 4	SCREW / 4	SCREW / 4	SCREW / 4	SCREW / 4
POWER CONDUCTOR		mm²	31	3G2.5	3G2.5	3G2.5	3G2.5	3G2.5	3G2.5

SUBSYSTEM 87-10 | SUBSYSTEM 87-00 | SUBSYSTEM 70-00 | SUBSYSTEM 86-00 | SUBSYSTEM 86-00 | SUBSYSTEM 63-00

=
+

DWG n° : 231298/SD/13
Item n° : PF1002888/101

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
3	05/07/2024	Santinelli	Flamminio	Sigismondi	Accepted for construction (AFC)
2	24/04/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)
1	15/03/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)
0	08/02/2024	Santinelli	Flamminio	Sigismondi	Issued for review (IFR)

IMESA ELECTRICAL ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : "DP-200N1"

SINGLE LINE DIAGRAM

Single Line Drawing

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

SCALE : NTS

A3

DRAWING NO. 1723002197-EL-DG-00013

SHEET 010

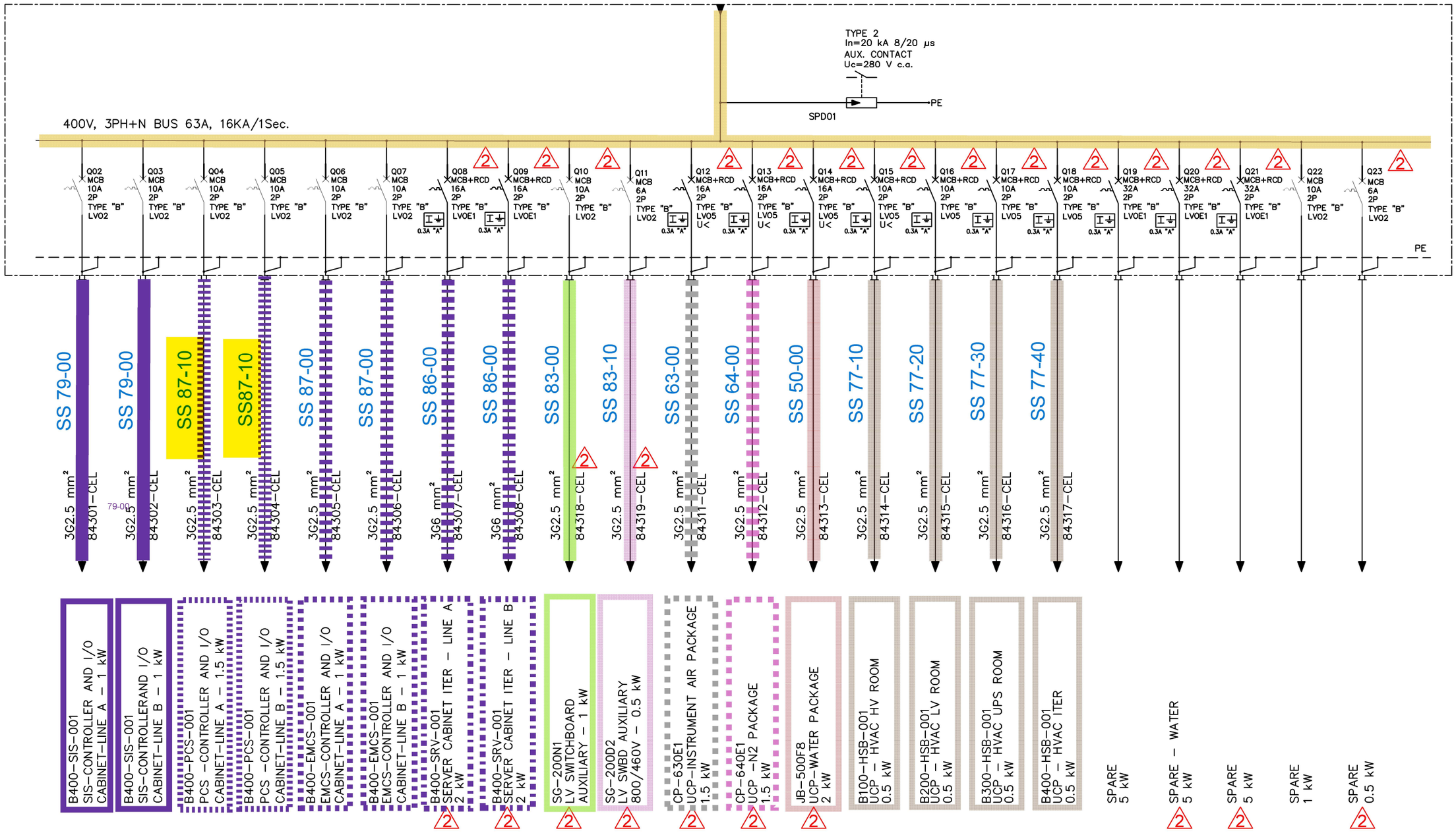
REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1723002197-EL-DG-00013 Rev. 03

AC UPS – PAS SINGLE LINE DIAGRAM(UP–200F3) DISTRIBUTION BOARD DETAILS

AC UPS DISTRIBUTION BOARD–PAS
DP–200F3



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	27/09/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	12/04/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	14/02/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL SINGLE LINE DIAGRAMS AC UPS SYSTEMS
AC UPS – PAS DISTRIBUTION BOARD SLD (UP–200F3)

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

A3 | DRAWING NO. 123A90–DDL–EL–DG–20160 | SHEET 005 | REV. 02

File Name : 123A90–DDL–EL–DG–20160 Rev. 02

F.to UNI A3: 420mmx297mm

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: 87-10 & process: MC & discipline : E

Electrical	87-10 Process Control System (PCS)						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
83105-CEL	Lighting & Small Power DB BoP / PCS -Controller and I/O Cabinet - Auxiliary	ONSHORE	C10000624	CPX09	100	2024-11-09	RFC 1
84303-CEL	AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line A	ONSHORE	C10000581	CPX09	100	2024-11-08	RFC 1
84304-CEL	AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line B	ONSHORE	C10000582	CPX09	100	2024-11-08	RFC 1

ITEM	Tag	84303-CEL	: AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line A			Dwg	123A90-DDL-EL-LIS-20148
	S/Sys	87-10	: Process Control System (PCS)			Module	LD_B-300/_LD-B-400
TASK	code	C10000581	Location	Onshore Activities		User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Electrical	Form CPX09	LV Power Cable

CABLE DATA

Type Cu Cl.2/MGT/EPR/LSZH/GSWB/LSZH Cores/Size mm² 3G2.5 Color Orange

From DP-200F3 To B400-PCS-001

1	Confirm cable is as specified in project cable schedule	OK
2	Visual Check cable physical integrity.	OK
3	Check is installed in accordance with layout drawing (segregation, distance…).	OK
4	Check cable is supported and fixed to rack according to project specification.	PL
5	Check bending radius is within the specified limits.	OK
6	Confirm cable glands suit for cable type, correctly mounted and tightened.	OK
7	Check gland plate for single core cables is non ferrous (non -magnetic).	NA
8	Confirm cable labelling is in accordance with specifications.	OK
9	Check cable is correctly loomed and segregated in accordance with specification.	OK
10	Check cable earthing against lastest drawings.	PL
11	Check cores marking are in accordance with termination diagram	OK
12	Check terminations are in accordance with latest termination diagram	OK
13	If required produce Red Line Mark Up for "AS BUILT"	

ROSETTI MARINO | PROVERLIS | CROSSWIND

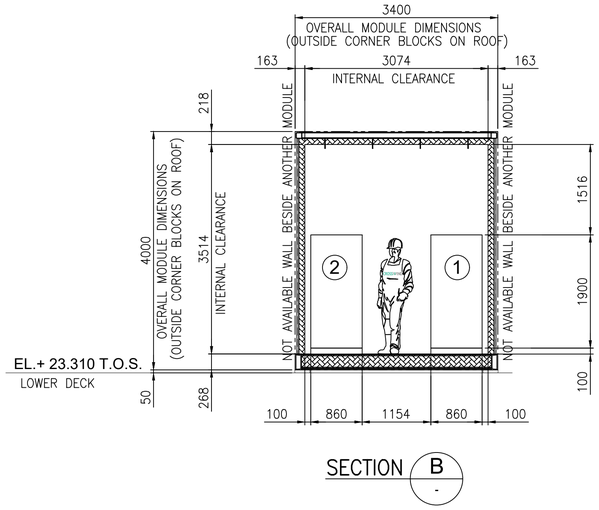
ITEM	Tag	84303-CEL	: AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line A			Dwg	123A90-DDL-EL-LIS-20148
	S/Sys	87-10	: Process Control System (PCS)			Module	LD_B-300/_LD-B-400
TASK	code	C10000581		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Electrical	Form	CPX09 LV Power Cable

CONTINUITY				
5	CORE CONTINUITY Ω	PH 1	0.4	
6		PH 2	0.4	
7		PH 3	NA	
8	ARMOUR CONTINUITY Ω		0.4	
9	PROTECTIVE CONDUCTOR CONTINUITY Ω		0.4	
INSULATION				
10	CORES / ARMOUR+EARTH MΩ	PH1 / PH2-PH3-A-E	>999	
11		PH2 / PH1-PH3-A-E	>999	
12		PH3 / PH1-PH2-A-E	NA	
13	CABLE IS CORRECTLY RE-CONNECTED.		Yes	

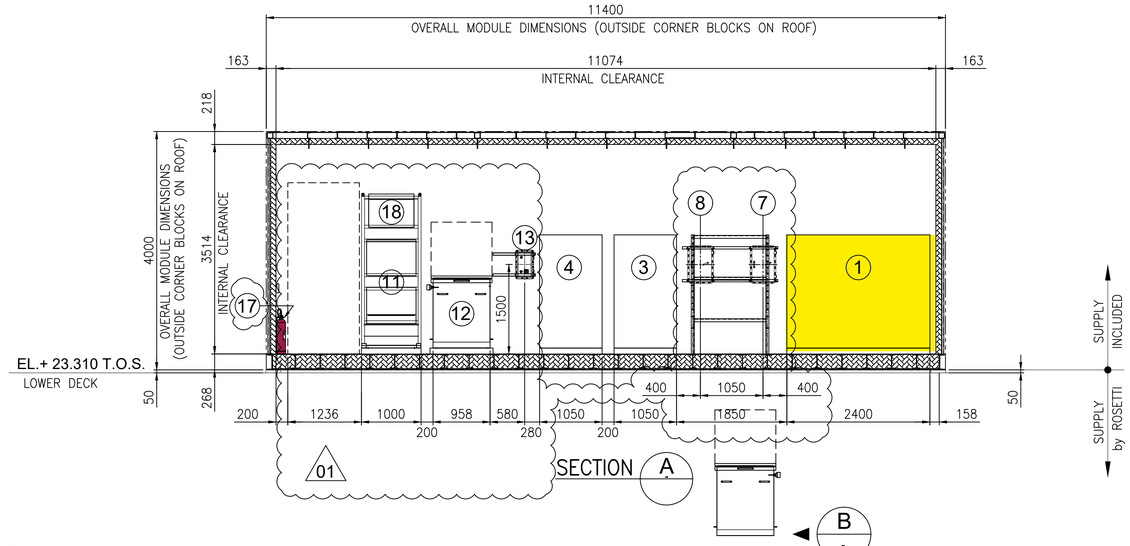
TESTING INSTRUMENTS USED			
TYPE / SERIAL N° :	MEGGER : KEW3125A SERIAL: W8330207	TYPE / SERIAL N° :	MULTIMETER: FLUKE 175 SERIAL:AW1/018(17140769)
Calibration certificate N° and date:	N°7722/24 _ 10/07/2024	Calibration certificate N° and date:	N°7715/24 _ 10/07/2024

Comments:

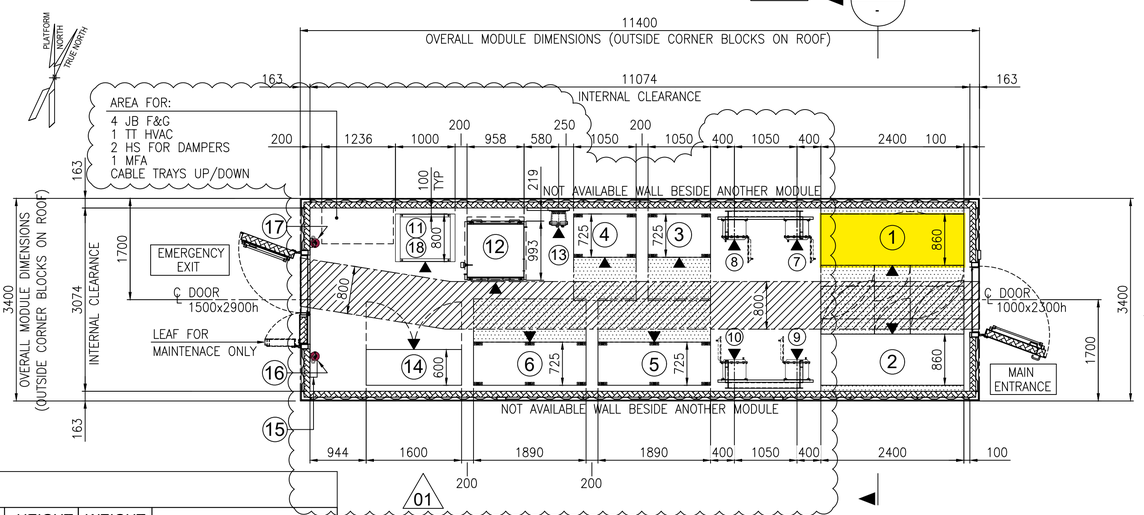
	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM (Rosetti Marino)	
Name	Carmelo Bongiovanni	Giovanni Tangianu	
Date	2024-11-06	2024-11-08	
Signature	PROVERLIS Digitaly signed by Carmelo Bongiovanni 2024-11-06T17:12:04.201Z	PROVERLIS Digitaly signed by Giovanni Tangianu 2024-11-08T10:51:17.236Z	



SECTION B -



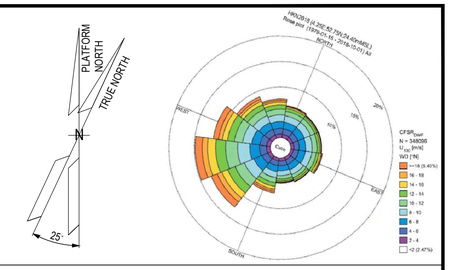
SECTION A -



EQUIPMENT LAYOUT
"B-300" UPSs & BATTERIES SWITCHROOM
BOTTOM PLAN

EQUIPMENT LIST

REF.	TAG No.	DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	WEIGHT (Kg)	NOTES
1	UP-200F3	AC UPS 35kVA	2400	860	1915	2258	
2	UP-200F4	AC UPS 15kVA	2400	860	1915	2258	
3	BA-200F3A	BATTERY RACK GEL VRLA 7y AC UPS 35kVA	1050	725	1272	914	
4	BA-200F3B	BATTERY RACK GEL VRLA 7y AC UPS 35kVA	1050	725	1272	914	
5	BA-200F4A	BATTERY RACK GEL VRLA 7y AC UPS 15kVA	1890	725	1761	3429	
6	BA-200F4B	BATTERY RACK GEL VRLA 7y AC UPS 15kVA 01	1890	725	1761	3429	
7	CB-200F3A	ISOLATOR BOX AC UPS 35kVA	450	341	632	100	
8	CB-200F3B	ISOLATOR BOX AC UPS 35kVA	450	341	632	100	
9	CB-200F4A	ISOLATOR BOX AC UPS 15kVA	450	341	632	100	
10	CB-200F4B	ISOLATOR BOX AC UPS 15kVA	450	341	632	100	
11	NC-200F2	NAVAID PANEL 01	1000	800	2600	535	
12	BA-200F2	BATTERY BOX NAVAID	958	993	1210	1552	
13	CB-200F2	ISOLATOR BOX NAVAID	500	400	765	70	
14	B3000-HSB-001	DISTRIBUTION & HVAC PANEL - AC/UPS ROOM	1600	600	2300	1150	
15	-	EYE WASH STATION	228	80	290	5	
16	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	20	
17	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	20	
18	BC-200F2	BATTERY CHARGER NAVAID 01	-	-	-	-	INCLUDED IN THE RACK OF NC-200F2



NOTES

01

1. U.N.O. ALL DIMENSIONS ARE IN MILLIMETERS.
2. EQUIPMENT DIMENSION ARE DEFINED ACCORDING TO THE LATEST DRAWING AND INFORMATION FROM THE VENDOR
3. DOCUMENT VALID ONLY FOR ELECTRICAL COMPONENT, FOR OTHER SCOPE LOCATION AND INFORMATION, PLEASE REFER TO VENDORS AND PROJECT DOCUMENTS.
   - "B-300" – GENERAL ARRANGEMENT DRAWING DOC. N. 1724000049-AR-DA-00016
   - "B-300" – DETAILED DRAWINGS DOC. N. 1724000049-AR-DD-00020

LEGEND

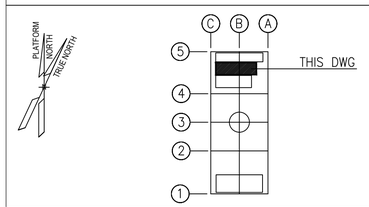
U.N.O. _____ UNLESS NOTED OTHERWISE
T.O.S. _____ TOP OF STEEL
_____ ESCAPE CORRIDOR – WIDTH 800mm.
_____ MAINTENANCE AREA – VENDOR REQUIREMENT
_____ SWITCHGEAR ROOM ENCLOUSURE
_____ FRONT OF EQUIPMENT

HOLDS

REFERENCE

DOCUMENT TITLE	DOCUMENT NUMBER
"B-300" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DA-00016
"B-300" DETAILED DRAWINGS	1724000049-AR-DD-00020
"B-300" ARCHITECTURAL GENERAL LAYOUT PLAN, WIEW, SECTIONS & TYP. DETAILS	123A90-DDL-AR-DL-10022
PLOT PLAN – LOWER & UPPER DECK	123A90-DDL-PP-DL-70070

KEY PLAN



VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DL-20106
REV.: 1_A | DATE: 08/08/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	23/07/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	28/03/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND | ROSETTI MARINO

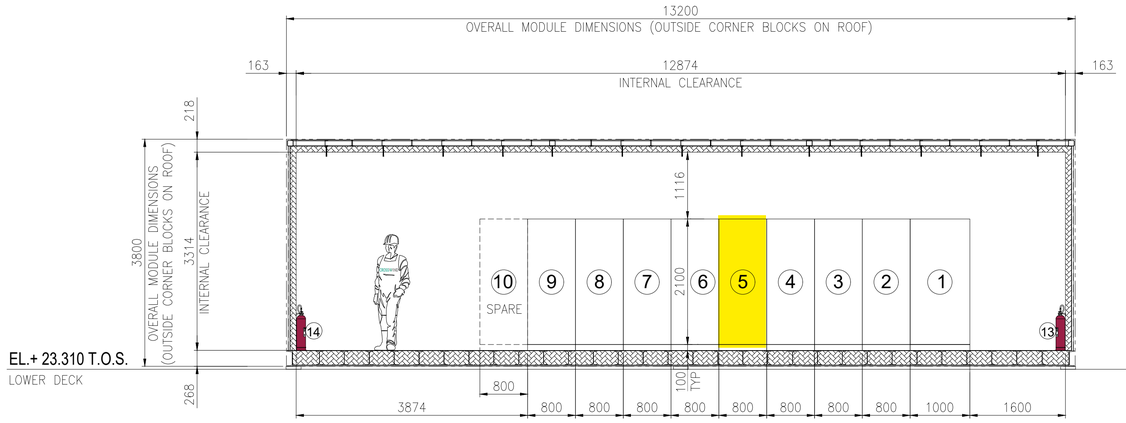
TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL EQUIPMENT LAYOUT
UPSs & BATTERIES SWITCHROOM

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 23/07/24
A1 | DRAWING NO. 123A90-DDL-EL-DL-20106 | SHEET 001 | REV. 01

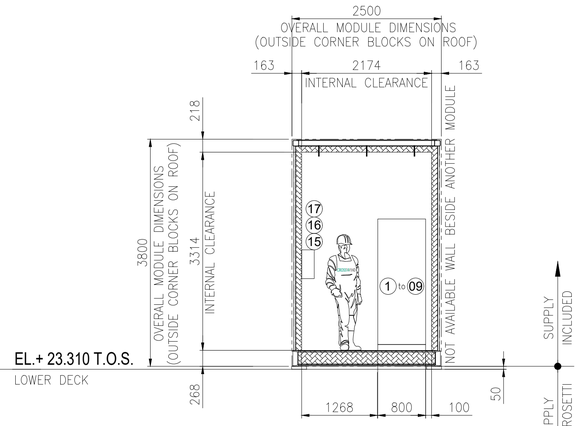
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DRAWING NO. 123A90-DDL-EL-DL-20106 | REV. 01

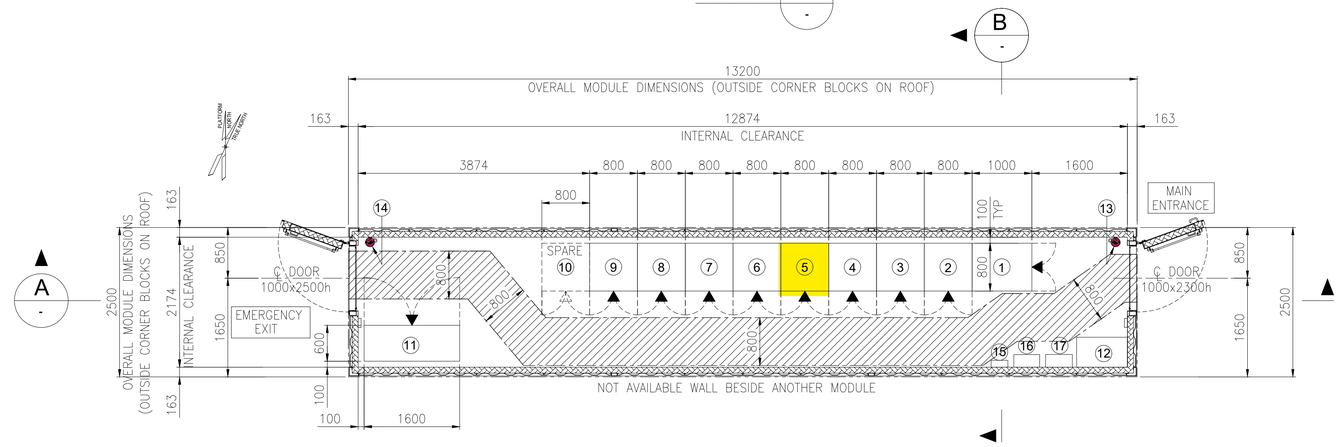
DRAWING NO. 123A90-DDL-IN-DL-40012 REV. 03



SECTION A -



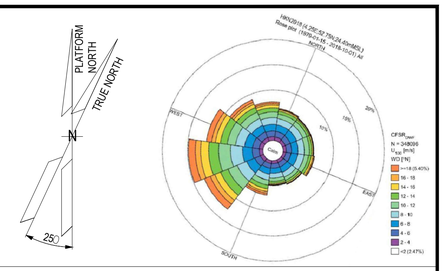
SECTION B -



EQUIPMENT LAYOUT
"B-400" I&T EQUIPMENT ROOM
BOTTOM PLAN

EQUIPMENT LIST

REF.	TAG No.	DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	NOTE
1	B400-SRV-001	SERVER CABINET	1000	800	2100	
2	B400-NET-001	NETWORK CABINET	800	800	2100	
3	B400-EMCS-001	EMCS SYSTEM CABINET	800	800	2100	
4	B400-PCS-002	PCS MARSHALLING CABINET	800	800	2100	
5	B400-PCS-001	PCS SYSTEM CABINET 03	800	800	2100	
6	B400-FGS-003	FGS MARSHALLING CABINET 2	800	800	2100	
7	B400-FGS-002	FGS MARSHALLING CABINET 1	800	800	2100	
8	B400-FGS-001	FGS SYSTEM CABINET	800	800	2100	
9	B400-SIS-001	SIS SYSTEM/MARSHALLING CABINET	800	800	2100	
10	-	SPARE				
11	B400-HSB-001	DISTRIBUTION & HVAC PANEL - I&T ROOM	1600	600	2300	
12	-	TABLE	850	500	750	
13	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
14	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
15	-	FIRST AID KIT	280	115	200	
16	-	RESUSCITATION UNIT	430	210	480	
17	-	CABINET INCLUDED N.10 ESCAPE MASK	448	213	422	



NOTES

1. U.N.O. ALL DIMENSIONS ARE IN MILLIMETERS.
2. DOCUMENT VALID ONLY FOR INSTRUMENT COMPONENT, FOR OTHER SCOPE LOCATION AND INFORMATION, PLEASE REFER TO VENDORS AND PROJECT DOCUMENTS.

LEGEND

U.N.O. _____ UNLESS NOTED OTHERWISE
T.O.S. _____ TOP OF STEEL
_____ ESCAPE CORRIDOR – WIDTH 800mm.
_____ EQUIPMENT ROOM ENCLOUSURE
_____ FRONT OF EQUIPMENT

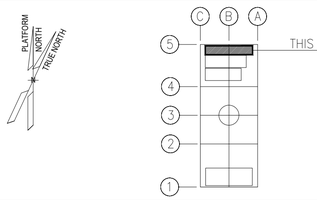
HOLDS

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REFERENCE

DOCUMENT TITLE	DOCUMENT NUMBER
Control System Architecture Detailed Drawings	123A90-DDL-IN-DD-40096
Data Network Architecture Drawings	123A90-DDL-IN-DD-40019
Earthing layouts drawings (CCR, ITER)	123A90-DDL-IN-DL-40013
Instrument and Telecom MCT Layout – Lower Deck	123A90-DDL-IN-DL-40086
"B-400" I&T Equipment Room – Architectural Layout	123A90-DDL-AR-DL-10015
"B-400" ARCHITECTURAL GENERAL LAYOUT PLAN, WIEW, SECTIONS & TYP. DETAILS	123A90-DDL-AR-DL-10015
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DA-00017
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DD-00021
"B-400" HVAC SYSTEM G.A. and DETAILS	1724000049-HV-DA-00067

KEY PLAN



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	27/05/24	MGA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	22/01/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)
00	07/11/23	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND — ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) OFF-SHORE ITER EQUIPMENT LAYOUT

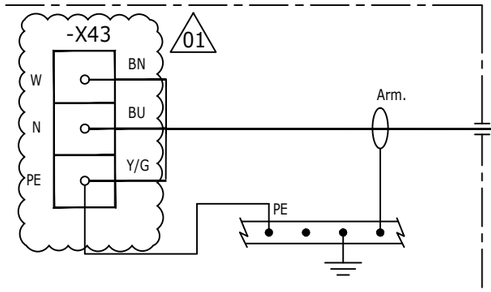
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:33,3
DRAWN MGA | CHECKED LCA | APPROVED DLO | DATE 27/05/24
A1 | DRAWING NO. 123A90-DDL-IN-DL-40012 | SHEET 001 | REV. 03

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DL-40012**
REV.: 3_A | DATE: 07/10/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

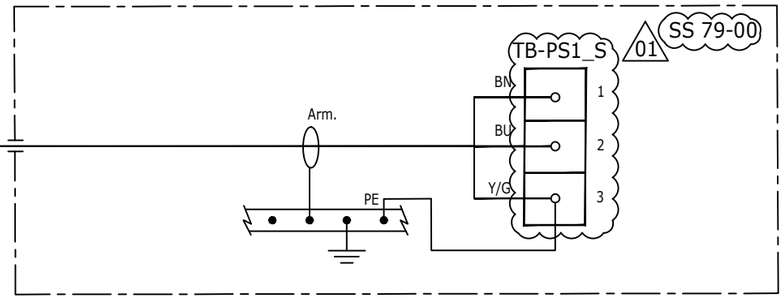
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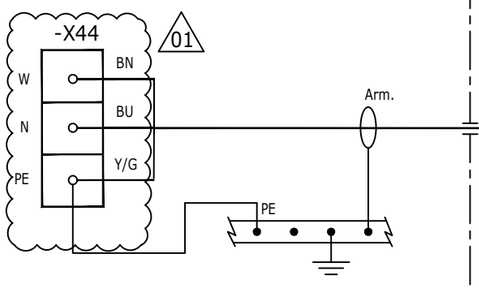
FROM	TO

DESCRIPTION: AC UPS - PAS DB
TAG NUMBER: DP-200F3

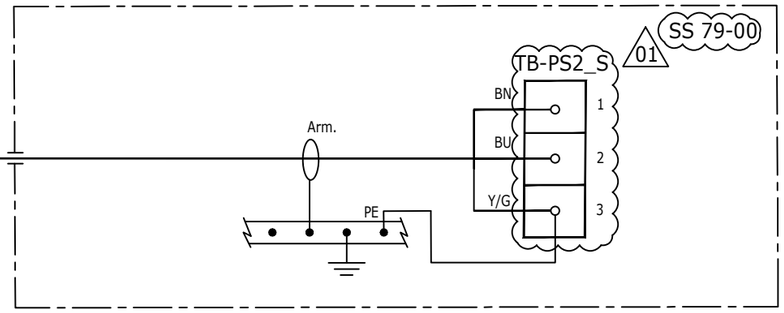


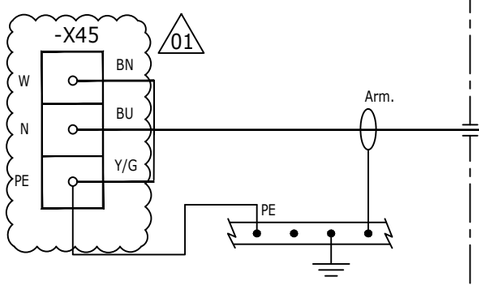
84301-CEL
3G2.5 mm²



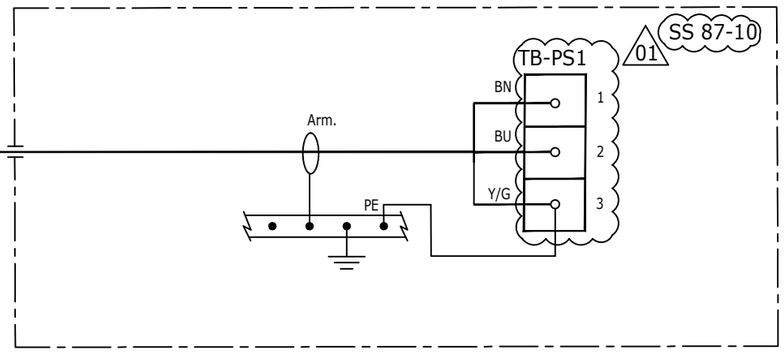


84302-CEL
3G2.5 mm²





84303-CEL
3G2.5 mm²



VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DL-20149

REV.:	DATE:	SIGNATURE:
1_A	17/10/24	G.Randi

ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	16/10/24	SAI	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	SAI	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL INTERCONNECTING WIRING DIAGRAM
DC UPS NAVAID SYSTEM & AC UPS – PAS DB

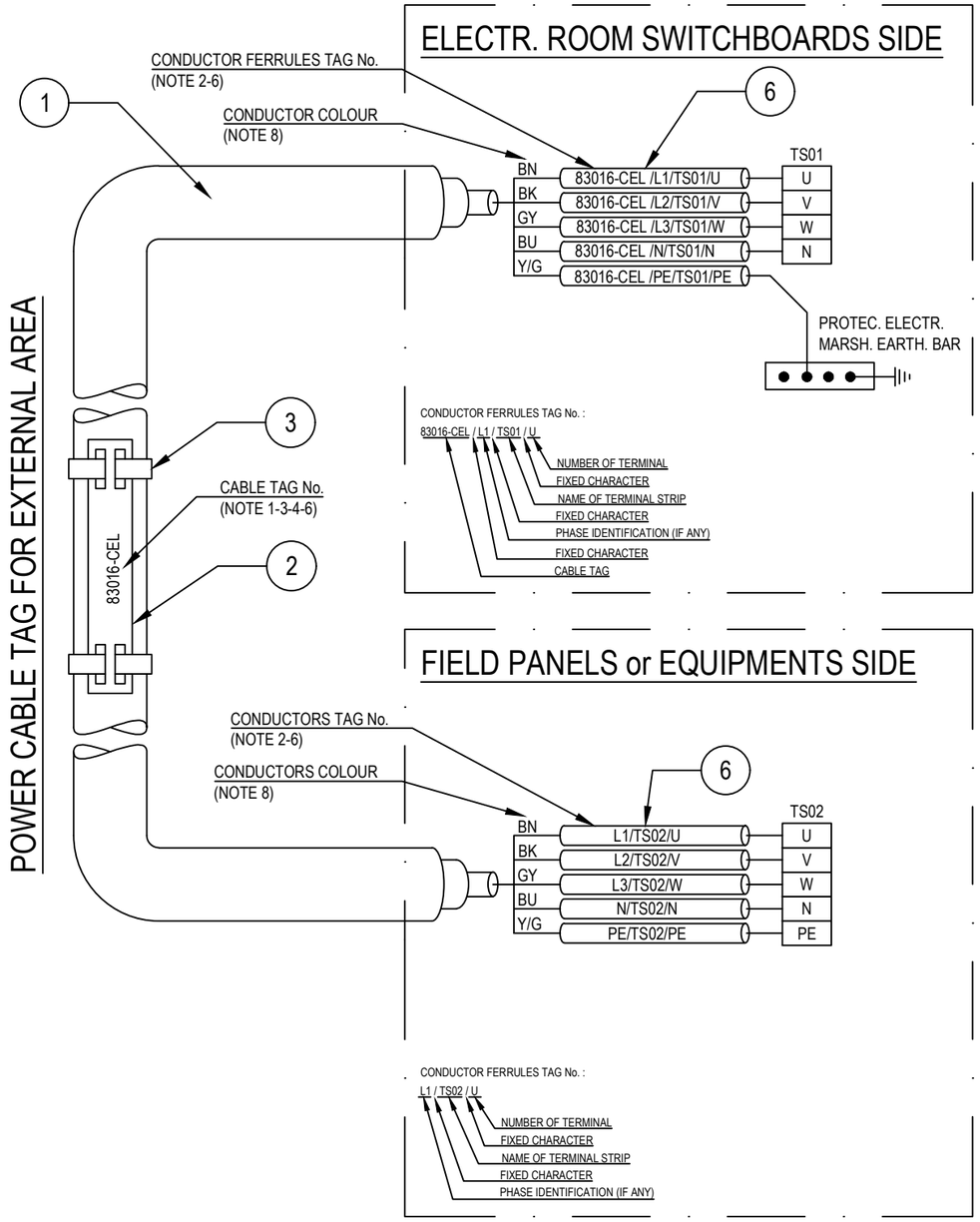
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : 1:X

A3 | DRAWING NO. 123A90-DDL-EL-DG-20149 | SHEET 038 | REV. 01

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DG-20162 Rev. 01

C02



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	UNARMOURED CABLE				
2	CABLE TAG FOR EXTERNAL AREA	HDG/SS			NOTE 1 NOTE 4
3	TIE FOR CABLE TAG IN EXTERNAL AREA	HDG/SS			
4	CABLE TAG FOR INTERNAL AREA	PVC			NOTE 1 NOTE 5
5	TIE FOR CABLE TAG IN INTERNAL AREA	NYLON 6.6			
6	CORE FERRULES	PVC			

NOTES:

1) ALL CABLES SHALL BE IDENTIFIED AT EACH TERMINATION AND EACH SIDE OF ANY OBSTACLE (E.G. CABLE TRANSIT ON WALLS INSIDE SHELTER AND FLOOR DECK CROSSING, BY THEIR RESPECTIVE TAGS/NUMBERS, AS INDICATED ON THE CABLE SCHEDULE.
CABLE IDENTIFICATION SHALL BE ALSO DONE BELOW AND IN THE SWITCHBOARD CABLE COMPARTMENT.

2) CABLE CORE FERRULES SHALL BE FITTED AT EVERY TERMINATION. THESE FERRULES SHALL BE OF ENGRAVED PLASTIC SLIP ON, INTERLOCKED AND SELF GRIP TYPE.

3) ON CABLE TRAYS OR LADDERS, CABLES SHALL BE IDENTIFIED AT EACH END, AND EVERY 25 METERS.

4) THE CABLE TAG FOR EXTERNAL AREA SHALL DONE BY 316L STAINLESS STEEL LABELS, TAG (H=5mm) SHALL BE LASER PRINTED PREFERABLY OR EMBOSSED, LABEL HELD BY TWO 316L STAINLESS STEEL TIES.

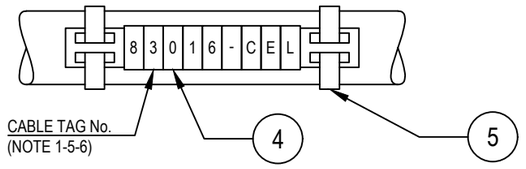
5) THE CABLE TAG FOR INTERNAL AREA SHALL BE DONE BY ENGRAVED PLASTIC SLIP ON CHARACTERS ONTO PLASTIC TIE, BLACK LETTER (H=5mm) ON WHITE.

6) CABLE AND CONDUCTOR TAG ARE INDICATIVE ONLY.

7) WITHIN TECHNICAL BUILDING, PROTECTIVE CONDUCTOR SHALL BE TAGGED BETWEEN FOLLOWING ITEMS:
- PANEL (SWITCHBOARD, SWITCHGEAR, DISTRIBUTION BOARD, ETC) AND EARTH BAR
- EARTH BAR AND EARTH BOSS

8) ONLY IF NECESSARY, SHRINK TUBES OF THE APPROPRIATE COLOR WILL BE INSTALLED TO COVER THE WRONG CONDUCTOR COLOR, THIS WILL BE PERFORMED IN EACH SIDE OF THE CABLES WHERE NECESSARY.

POWER CABLE TAG FOR INTERNAL AREA



VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20092
REV.: 2_A | DATE: 28/08/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

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)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-POWER SYSTEM & CABLE INSTALLATION
CABLES INSTALLATION SYSTEM IDENTIFICATION FOR POWER 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 007 | REV. 02

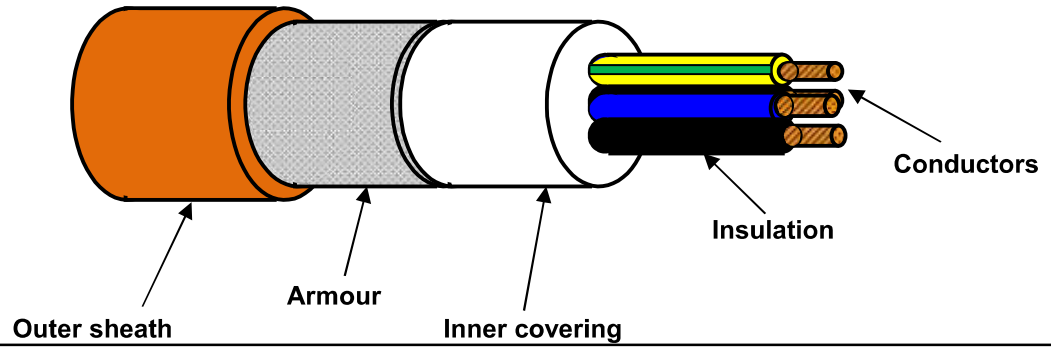
F.to UNI A3: 420mmx297mm

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

Tag Number	Category	Discipline	Eng Status	NativeDoc	Parent Tag	Main Function	Secondary Function	Area	From Tag	From Main Function	From Area	To Tag	To Main Function	To Area	Material ID	Material Desc.	Gland Standar	From Gland	From Entry	From Fitting	To Gland	To Entry	To Fitting	Routing	Routing Manual
84303-CEL	Cable	EL	VFC	123A90-DDL-EL-LIS-20148					DP-200F3	AC UPS 35 kVA Distribution Board	Lower Deck (B-300)	B400-PCS-001	PCS -Controller and I/O Cabinet	Lower Deck (B-400)	ELECV19-3G2,5	Cable Cu Cl.2/MGT/EPR/LSZH/GSWB/LSZH 0,6/1kV 3G2,5mm² - Orange	M20	T2_M20_D ouble			n.a.				L-450-101-LVT-040 / L-600-101 LVT-036 / L-600-101-LVT-038 / L-600-101-LVT-035 / E-MCT-302 / L-450-101-LVT-005 / L-600-101-LVT-010 / L-750-101-LVT-015 / L-300-101-LVT-007 / E-MCT-402 / L-300-101-LVT-065 / L-300-101-LVT-066 / L-300-101-LVT-067 / L-150-101-LVT-150

Cu Cl.2/MGT/EPR/LSZH/GSWB/LSZH 0,6/1 KV

3G2,5 - L.V. POWER CABLE - Fire Resistant & Flame Retardant - ARMOURED



TECHNICAL FEATURES

Conductors :	**STRANDED** plain/bare annealed copper wires	IEC 60228 Class 2
Insulation :	Mica/Glass Tape (MGT) plus EPR compound, quality to IEC 60092.360, Nominal Thickness 1,0 mm	
Cores colour code :	**Brown - Blue - Yellow/Green**	
Pair Assembling :	Not required	
Pair Wrapping:	Not required	
Drain wire :	Not required	
Pair Shield :	Not required	
Shield Insulation :	Not Required	
Total Assembling :	Cores layed up with optimal lay length	
Overall Wrapping:	Not required	
Drain wire :	Not required	
Overall Shield:	Not required	
Inner covering :	Extruded LSZH compound, Average Thickness 1,0 mm	
Inner covering color code:	**Black or Natural**	
Armour :	**Galvanized Steel Wire Braid Armour (coverage ≥ 90%)**	
Outer sheath :	Extruded LSZH Thermoplastic Compound (O.I. ≥ 30%), type **SHF1** to IEC 60093.360, Average Thickness 1,3 mm	
Outer sheath color code:	**Orange**	
Outer printing (INKJET) :	**FLEI - ELECTRIC CABLE - 1000V - 3G2,5 SQMM - MGT/EPR/LSZH/GSWB/LSZH - 0,6/1 KV - IEC 60331.21 - IEC 60332.1.2 - IEC 60332.3.22 - Year of Manufacture - CE + Meter Marking**	
Under Armour diameter :	(11,7 ± 10%) mm	
Over Armour diameter :	(12,9 ± 10%) mm	
Outer diameter :	(15,5 ± 10%) mm	
Bending radius :	cable outer diameter x 10	(in fixed installation)
Voltage test :	3,5 kV a.c. for 5' (Between Cores - Armour)	
Conductors DC Resistance :		IEC 60228 Class 2
Insulation Resistance :	≥ 940 MΩ x Km (@ 20°C)	
Applicable Standards		
Design Guidelines :	**IEC 60092.353**	
ON COMPLETE CABLE		
Fire Resistant test :	**IEC 60331.21**	
Flame Retardant test :	IEC 60332.1.2 - IEC 60332.3.22	
Acid Gas generation :	IEC 60754.1/2	
Smoke density/Light Transmittance	IEC 61034.2 (LT ≥ 60%)	
Temperature Range :		
ON INSULATION	(max +90°C)	(max continuous operation temperature of conductors)
	(max +250°C)	(max conductors temperature during short-circuit for 5 seconds)
ON COMPLETE CABLE		
During Operation :	(-20°C up to +90°C)	(in fixed installation)
During installation :	(- 5°C up to +50°C)	
Note :	**To meet the requirements of installation and use in Zone 1 & Zone 2 (IEC 60079-14) and "Gas & Vapour Tight" the cable must be provided with Penetrating Inner covering together with correct ATEX approved equipment or accessories.**	

Office	Date	Sign	Rev.	Date	Sign
Drawn by :	29/03/2024	Messa			
Checked :	29/03/2024	Spaccasassi			
Approved :	29/03/2024	Cucinotta			

The data provided, lending assent for the treatment, will be used to the sense of the article 13 of of the Regulation (UE) 2016/679, also through outsiders, in order to allow the realization of the fulfilments informatives, administrative, commercial and accounting related to the contractual relationship. Integral copy of the informative could be requested at our offices.

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ITEM	Tag	84304-CEL	: AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line B		Dwg	123A90-DDL-EL-LIS-20148	
	S/Sys	87-10	: Process Control System (PCS)		Module	LD_B-300/_LD-B-400	
TASK	code	C10000582	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	MC	Activity CCK	Discipline Electrical	Form	CPX09	LV Power Cable

CABLE DATA

Type Cu Cl.2/MGT/EPR/LSZH/GSWB/LSZH Cores/Size mm² 3G2.5 Color Orange

From DP-200F3 To B400-PCS-001

1	Confirm cable is as specified in project cable schedule	OK
2	Visual Check cable physical integrity.	OK
3	Check is installed in accordance with layout drawing (segregation, distance…).	OK
4	Check cable is supported and fixed to rack according to project specification.	PL
5	Check bending radius is within the specified limits.	OK
6	Confirm cable glands suit for cable type, correctly mounted and tightened.	OK
7	Check gland plate for single core cables is non ferrous (non -magnetic).	NA
8	Confirm cable labelling is in accordance with specifications.	OK
9	Check cable is correctly loomed and segregated in accordance with specification.	OK
10	Check cable earthing against lastest drawings.	OK
11	Check cores marking are in accordance with termination diagram	OK
12	Check terminations are in accordance with latest termination diagram	OK
13	If required produce Red Line Mark Up for "AS BUILT"	

ROSETTI MARINO | PROVERLIS | CROSSWIND

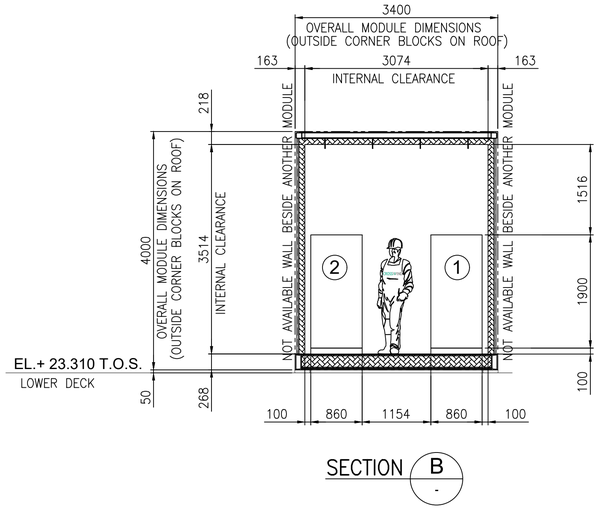
ITEM	Tag	84304-CEL	: AC UPS - PAS DB / PCS -Controller and I/O Cabinet - Line B			Dwg	123A90-DDL-EL-LIS-20148
	S/Sys	87-10	: Process Control System (PCS)			Module	LD_B-300/_LD-B-400
TASK	code	C10000582		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Electrical	Form	CPX09 LV Power Cable

CONTINUITY				
5	CORE CONTINUITY Ω	PH 1	0.4	
6		PH 2	0.4	
7		PH 3	NA	
8	ARMOUR CONTINUITY Ω		0.4	
9	PROTECTIVE CONDUCTOR CONTINUITY Ω		0.4	
INSULATION				
10	CORES / ARMOUR+EARTH MΩ	PH1 / PH2-PH3-A-E	>999	
11		PH2 / PH1-PH3-A-E	>999	
12		PH3 / PH1-PH2-A-E	NA	
13	CABLE IS CORRECTLY RE-CONNECTED.		Yes	

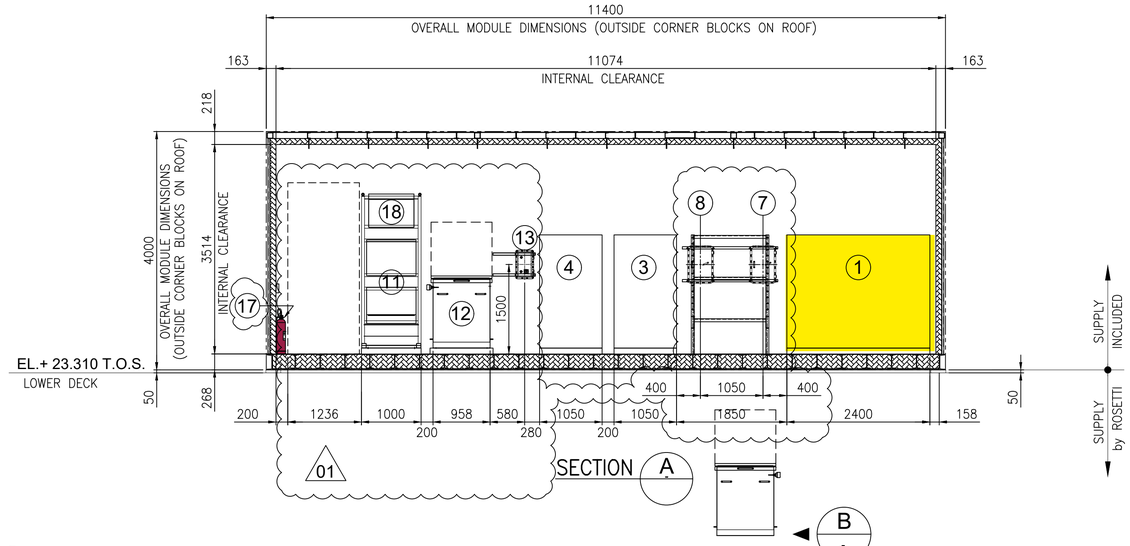
TESTING INSTRUMENTS USED			
TYPE / SERIAL N° :	MEGGER : KEW3125A SERIAL: W8330207	TYPE / SERIAL N° :	MULTIMETER: FLUKE 175 SERIAL:AW1/018(17140769)
Calibration certificate N° and date:	N°7722/24 _ 10/07/2024	Calibration certificate N° and date:	N°7715/24 _ 10/07/2024

Comments:

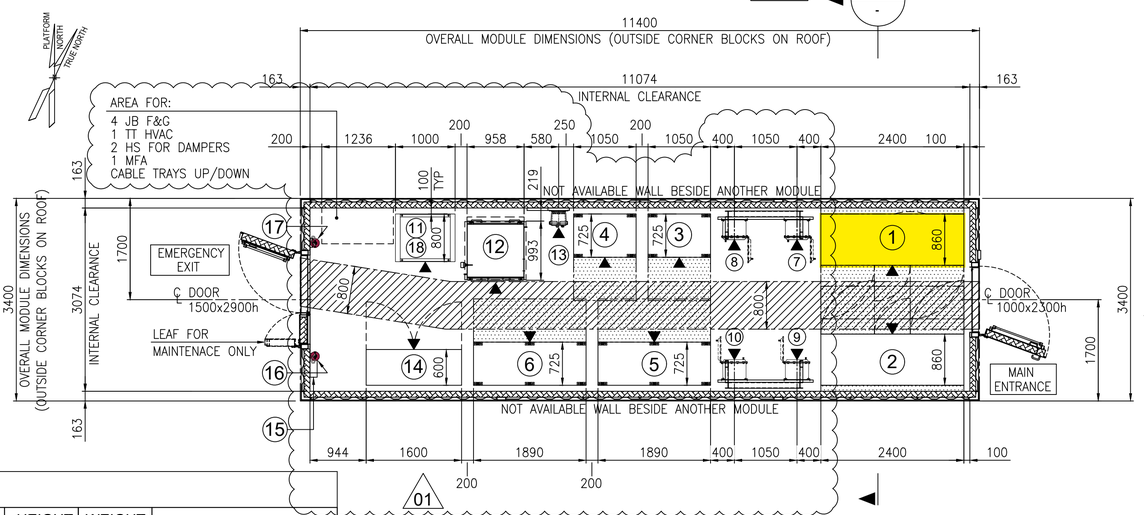
	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM (Rosetti Marino)	
Name	Carmelo Bongiovanni	Giovanni Tangianu	
Date	2024-11-06	2024-11-08	
Signature	PROVERLIS Digitaly signed by Carmelo Bongiovanni 2024-11-06T17:12:31.623Z	PROVERLIS Digitaly signed by Giovanni Tangianu 2024-11-08T10:59:36.795Z	



SECTION B -



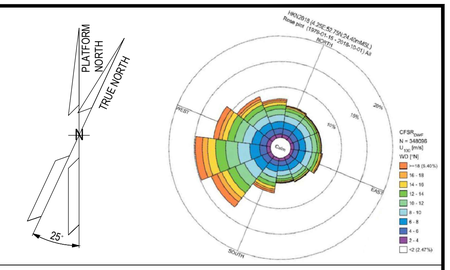
SECTION A -



EQUIPMENT LAYOUT
"B-300" UPSs & BATTERIES SWITCHROOM
BOTTOM PLAN

EQUIPMENT LIST

REF.	TAG No.	DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	WEIGHT (Kg)	NOTES
1	UP-200F3	AC UPS 35kVA	2400	860	1915	2258	
2	UP-200F4	AC UPS 15kVA	2400	860	1915	2258	
3	BA-200F3A	BATTERY RACK GEL VRLA 7y AC UPS 35kVA	1050	725	1272	914	
4	BA-200F3B	BATTERY RACK GEL VRLA 7y AC UPS 35kVA	1050	725	1272	914	
5	BA-200F4A	BATTERY RACK GEL VRLA 7y AC UPS 15kVA	1890	725	1761	3429	
6	BA-200F4B	BATTERY RACK GEL VRLA 7y AC UPS 15kVA 01	1890	725	1761	3429	
7	CB-200F3A	ISOLATOR BOX AC UPS 35kVA	450	341	632	100	
8	CB-200F3B	ISOLATOR BOX AC UPS 35kVA	450	341	632	100	
9	CB-200F4A	ISOLATOR BOX AC UPS 15kVA	450	341	632	100	
10	CB-200F4B	ISOLATOR BOX AC UPS 15kVA	450	341	632	100	
11	NC-200F2	NAVAID PANEL 01	1000	800	2600	535	
12	BA-200F2	BATTERY BOX NAVAID	958	993	1210	1552	
13	CB-200F2	ISOLATOR BOX NAVAID	500	400	765	70	
14	B3000-HSB-001	DISTRIBUTION & HVAC PANEL - AC/UPS ROOM	1600	600	2300	1150	
15	-	EYE WASH STATION	228	80	290	5	
16	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	20	
17	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	20	
18	BC-200F2	BATTERY CHARGER NAVAID 01	-	-	-	-	INCLUDED IN THE RACK OF NC-200F2



NOTES

01

1. U.N.O. ALL DIMENSIONS ARE IN MILLIMETERS.
2. EQUIPMENT DIMENSION ARE DEFINED ACCORDING TO THE LATEST DRAWING AND INFORMATION FROM THE VENDOR
3. DOCUMENT VALID ONLY FOR ELECTRICAL COMPONENT, FOR OTHER SCOPE LOCATION AND INFORMATION, PLEASE REFER TO VENDORS AND PROJECT DOCUMENTS.
   - "B-300" – GENERAL ARRANGEMENT DRAWING DOC. N. 1724000049-AR-DA-00016
   - "B-300" – DETAILED DRAWINGS DOC. N. 1724000049-AR-DD-00020

LEGEND

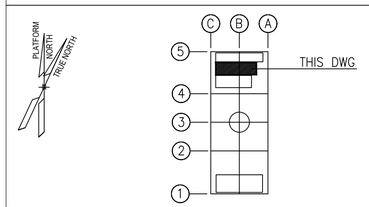
U.N.O. _____ UNLESS NOTED OTHERWISE
T.O.S. _____ TOP OF STEEL
_____ ESCAPE CORRIDOR – WIDTH 800mm.
_____ MAINTENANCE AREA – VENDOR REQUIREMENT
_____ SWITCHGEAR ROOM ENCLOUSURE
_____ FRONT OF EQUIPMENT

HOLDS

REFERENCE

DOCUMENT TITLE	DOCUMENT NUMBER
"B-300" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DA-00016
"B-300" DETAILED DRAWINGS	1724000049-AR-DD-00020
"B-300" ARCHITECTURAL GENERAL LAYOUT PLAN, WIEW, SECTIONS & TYP. DETAILS	123A90-DDL-AR-DL-10022
PLOT PLAN – LOWER & UPPER DECK	123A90-DDL-PP-DL-70070

KEY PLAN



VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DL-20106
REV.: 1_A | DATE: 08/08/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	23/07/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	28/03/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND | ROSETTI MARINO

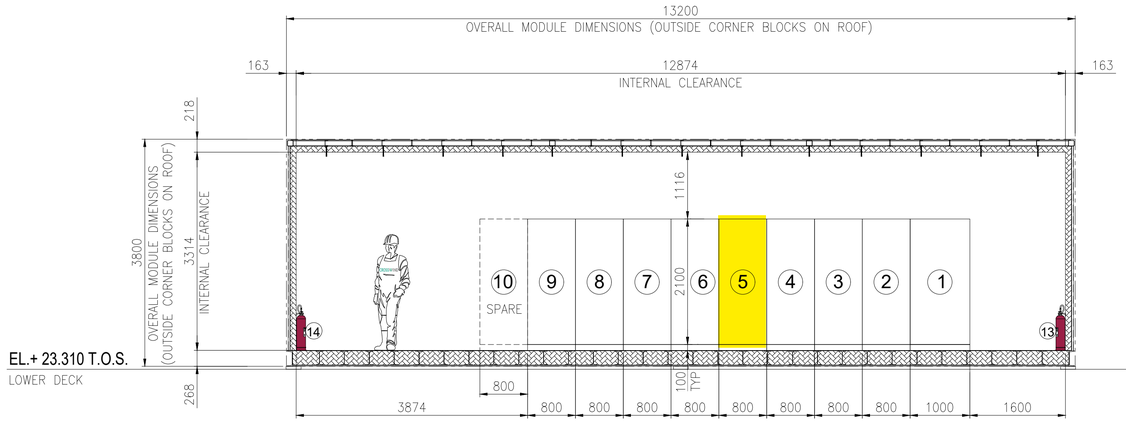
TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL EQUIPMENT LAYOUT
UPSs & BATTERIES SWITCHROOM

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 23/07/24
A1 | DRAWING NO. 123A90-DDL-EL-DL-20106 | SHEET 001 | REV. 01

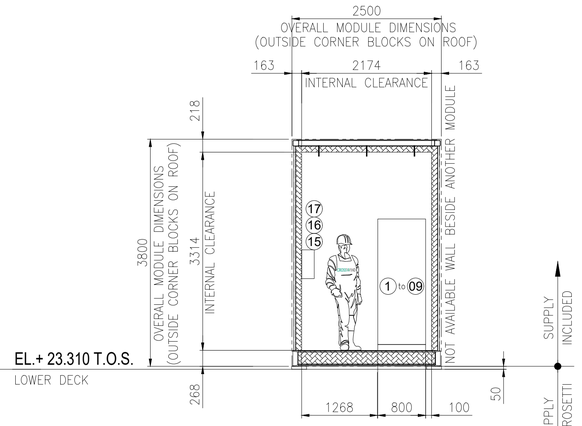
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DRAWING NO. 123A90-DDL-EL-DL-20106 | REV. 01

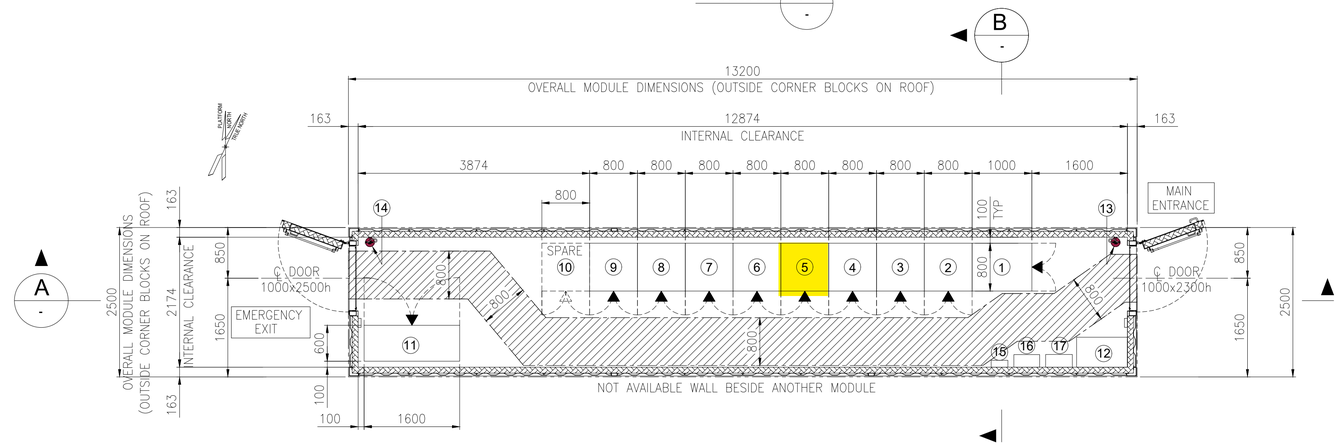
DRAWING NO. 123A90-DDL-IN-DL-40012 REV. 03



SECTION A -



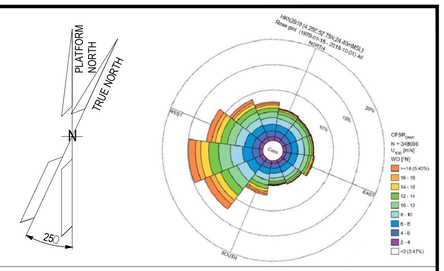
SECTION B -



EQUIPMENT LAYOUT
"B-400" I&T EQUIPMENT ROOM
BOTTOM PLAN

EQUIPMENT LIST

REF.	TAG No.	DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	NOTE
1	B400-SRV-001	SERVER CABINET	1000	800	2100	
2	B400-NET-001	NETWORK CABINET	800	800	2100	
3	B400-EMCS-001	EMCS SYSTEM CABINET	800	800	2100	
4	B400-PCS-002	PCS MARSHALLING CABINET	800	800	2100	
5	B400-PCS-001	PCS SYSTEM CABINET 03	800	800	2100	
6	B400-FGS-003	FGS MARSHALLING CABINET 2	800	800	2100	
7	B400-FGS-002	FGS MARSHALLING CABINET 1	800	800	2100	
8	B400-FGS-001	FGS SYSTEM CABINET	800	800	2100	
9	B400-SIS-001	SIS SYSTEM/MARSHALLING CABINET	800	800	2100	
10	-	SPARE				
11	B400-HSB-001	DISTRIBUTION & HVAC PANEL - I&T ROOM	1600	600	2300	
12	-	TABLE	850	500	750	
13	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
14	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
15	-	FIRST AID KIT	280	115	200	
16	-	RESUSCITATION UNIT	430	210	480	
17	-	CABINET INCLUDED N.10 ESCAPE MASK	448	213	422	



NOTES

1. U.N.O. ALL DIMENSIONS ARE IN MILLIMETERS.
2. DOCUMENT VALID ONLY FOR INSTRUMENT COMPONENT, FOR OTHER SCOPE LOCATION AND INFORMATION, PLEASE REFER TO VENDORS AND PROJECT DOCUMENTS.

LEGEND

U.N.O. _____ UNLESS NOTED OTHERWISE
T.O.S. _____ TOP OF STEEL
_____ ESCAPE CORRIDOR – WIDTH 800mm.
_____ EQUIPMENT ROOM ENCLOUSURE
_____ FRONT OF EQUIPMENT

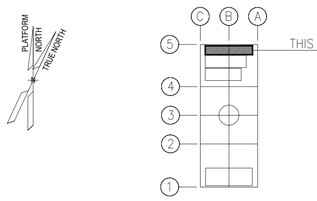
HOLDS

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REFERENCE

DOCUMENT TITLE	DOCUMENT NUMBER
Control System Architecture Detailed Drawings	123A90-DDL-IN-DD-40096
Data Network Architecture Drawings	123A90-DDL-IN-DD-40019
Earthing layouts drawings (CCR, ITER)	123A90-DDL-IN-DL-40013
Instrument and Telecom MCT Layout – Lower Deck	123A90-DDL-IN-DL-40086
"B-400" I&T Equipment Room – Architectural Layout	123A90-DDL-AR-DL-10015
"B-400" ARCHITECTURAL GENERAL LAYOUT PLAN, WIEW, SECTIONS & TYP. DETAILS	123A90-DDL-AR-DL-10015
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DA-00017
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DD-00021
"B-400" HVAC SYSTEM G.A. and DETAILS	1724000049-HV-DA-00067

KEY PLAN



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	27/05/24	MGA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	22/01/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)
00	07/11/23	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND — ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) OFF-SHORE ITER EQUIPMENT LAYOUT

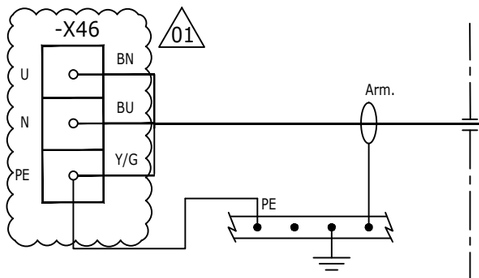
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:33,3
DRAWN MGA | CHECKED LCA | APPROVED DLO | DATE 27/05/24
A1 | DRAWING NO. 123A90-DDL-IN-DL-40012 | SHEET 001 | REV. 03

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DL-40012**
REV.: 3_A | DATE: 07/10/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

File Name : 123A90-DDL-IN-DL-40012 Rev.03.dwg

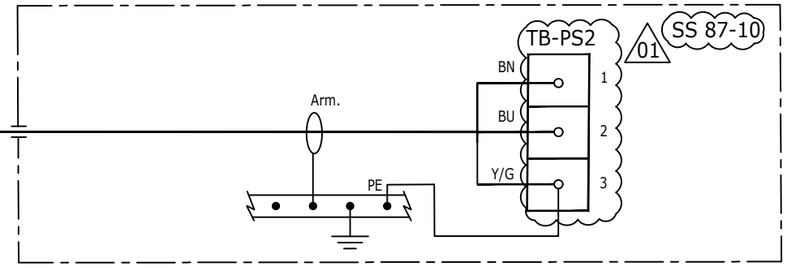
FROM	TO

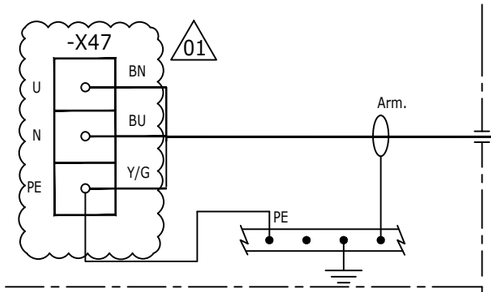
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TAG NUMBER: DP-200F3



84304-CEL
3G2.5 mm²

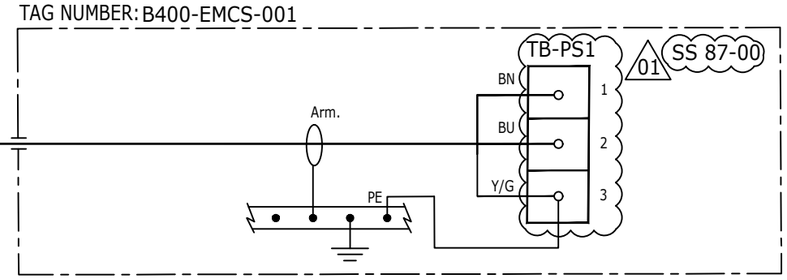
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TAG NUMBER: B400-PCS-001



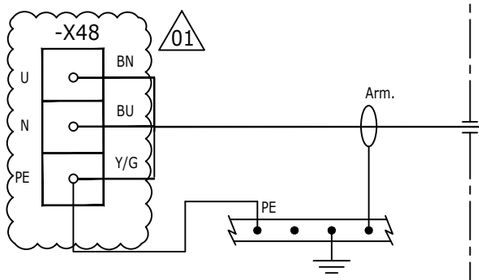


84305-CEL
3G2.5 mm²

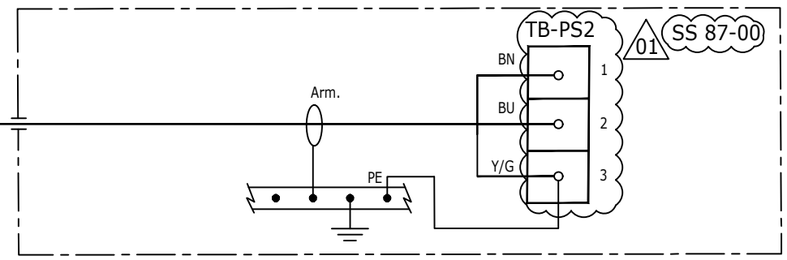
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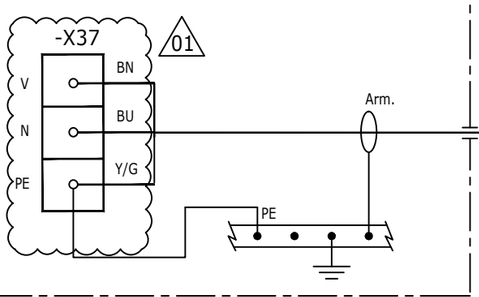
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TAG NUMBER: B400-EMCS-001



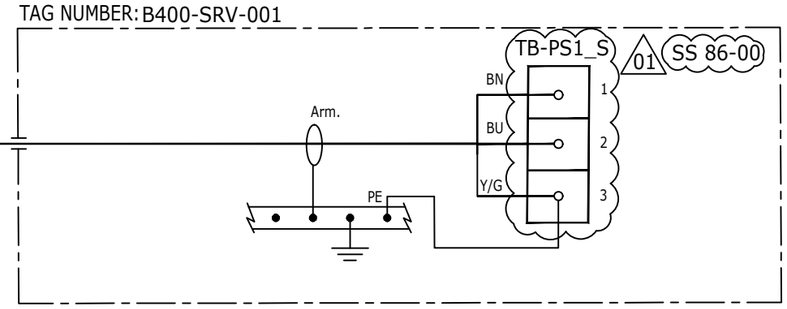
84306-CEL
3G2.5 mm²



DESCRIPTION: SERVER CABINET ITER - LINE A
TAG NUMBER: B400-SRV-001



84307-CEL
3G6 mm²



VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DL-20149**

REV.:	DATE:	SIGNATURE:
1_A	17/10/24	G.Randi

ROSETTI MARINO SpA

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	16/10/24	SAI	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	SAI	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL INTERCONNECTING WIRING DIAGRAM
AC UPS – PAS DB DP–200F3

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

SCALE : 1:X

A3

DRAWING NO. 123A90–DDL–EL–DG–20149

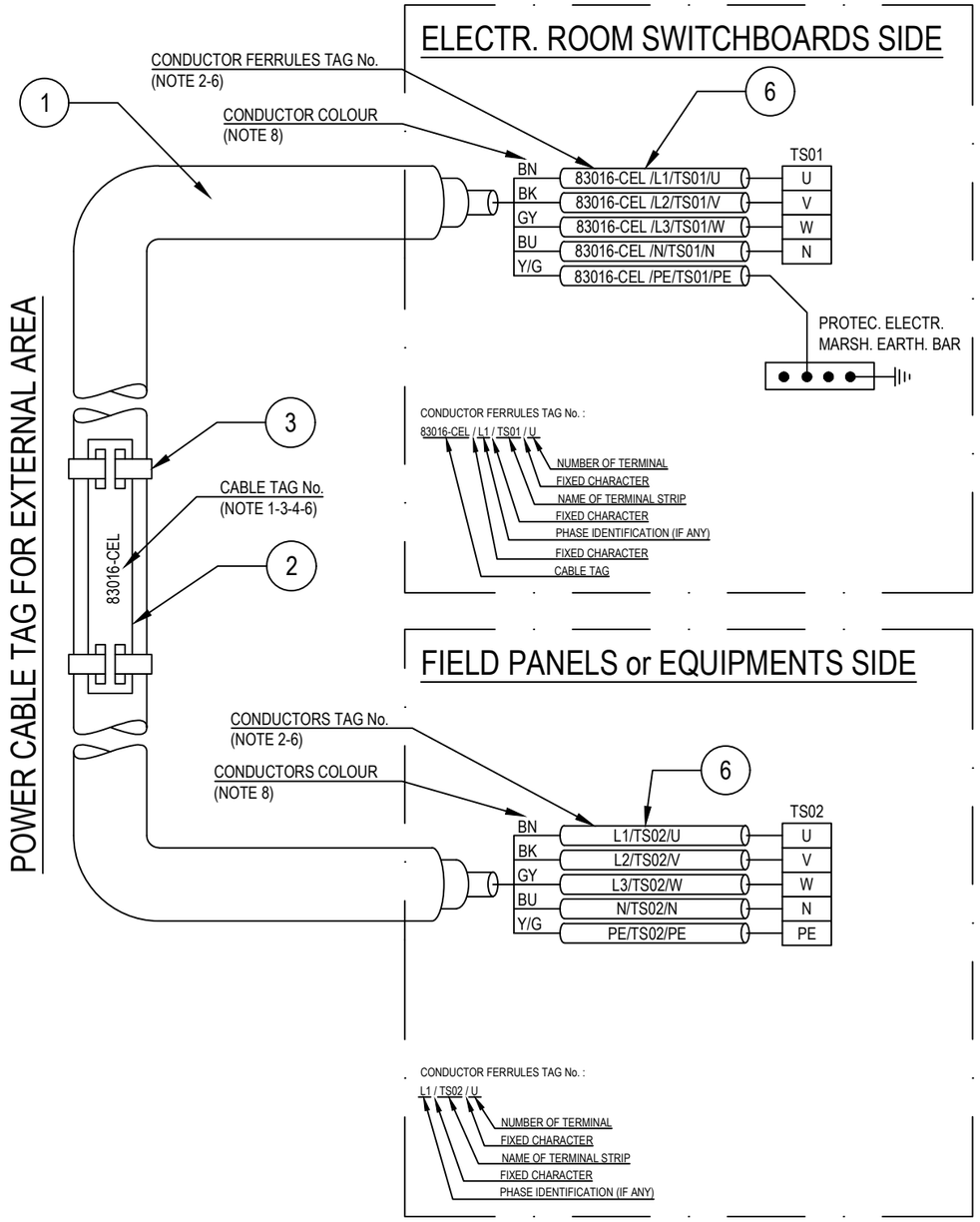
SHEET 039

REV. 01

F.to UNI A3: 420mmx297mm

File Name : 123A90–DDL–EL–DG–20162 Rev. 01

C02



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	UNARMOURED CABLE				
2	CABLE TAG FOR EXTERNAL AREA	HDG/SS			NOTE 1 NOTE 4
3	TIE FOR CABLE TAG IN EXTERNAL AREA	HDG/SS			
4	CABLE TAG FOR INTERNAL AREA	PVC			NOTE 1 NOTE 5
5	TIE FOR CABLE TAG IN INTERNAL AREA	NYLON 6.6			
6	CORE FERRULES	PVC			

NOTES:

1) ALL CABLES SHALL BE IDENTIFIED AT EACH TERMINATION AND EACH SIDE OF ANY OBSTACLE (E.G. CABLE TRANSIT ON WALLS INSIDE SHELTER AND FLOOR DECK CROSSING, BY THEIR RESPECTIVE TAGS/NUMBERS, AS INDICATED ON THE CABLE SCHEDULE.
CABLE IDENTIFICATION SHALL BE ALSO DONE BELOW AND IN THE SWITCHBOARD CABLE COMPARTMENT.

2) CABLE CORE FERRULES SHALL BE FITTED AT EVERY TERMINATION. THESE FERRULES SHALL BE OF ENGRAVED PLASTIC SLIP ON, INTERLOCKED AND SELF GRIP TYPE.

3) ON CABLE TRAYS OR LADDERS, CABLES SHALL BE IDENTIFIED AT EACH END, AND EVERY 25 METERS.

4) THE CABLE TAG FOR EXTERNAL AREA SHALL DONE BY 316L STAINLESS STEEL LABELS, TAG (H=5mm) SHALL BE LASER PRINTED PREFERABLY OR EMBOSSED, LABEL HELD BY TWO 316L STAINLESS STEEL TIES.

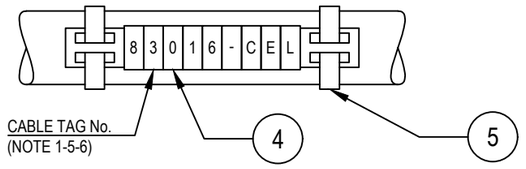
5) THE CABLE TAG FOR INTERNAL AREA SHALL BE DONE BY ENGRAVED PLASTIC SLIP ON CHARACTERS ONTO PLASTIC TIE, BLACK LETTER (H=5mm) ON WHITE.

6) CABLE AND CONDUCTOR TAG ARE INDICATIVE ONLY.

7) WITHIN TECHNICAL BUILDING, PROTECTIVE CONDUCTOR SHALL BE TAGGED BETWEEN FOLLOWING ITEMS:
- PANEL (SWITCHBOARD, SWITCHGEAR, DISTRIBUTION BOARD, ETC) AND EARTH BAR
- EARTH BAR AND EARTH BOSS

8) ONLY IF NECESSARY, SHRINK TUBES OF THE APPROPRIATE COLOR WILL BE INSTALLED TO COVER THE WRONG CONDUCTOR COLOR, THIS WILL BE PERFORMED IN EACH SIDE OF THE CABLES WHERE NECESSARY.

POWER CABLE TAG FOR INTERNAL AREA



VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20092
REV.: 2_A | DATE: 28/08/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

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)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-POWER SYSTEM & CABLE INSTALLATION
CABLES INSTALLATION SYSTEM IDENTIFICATION FOR POWER 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 007 | REV. 02

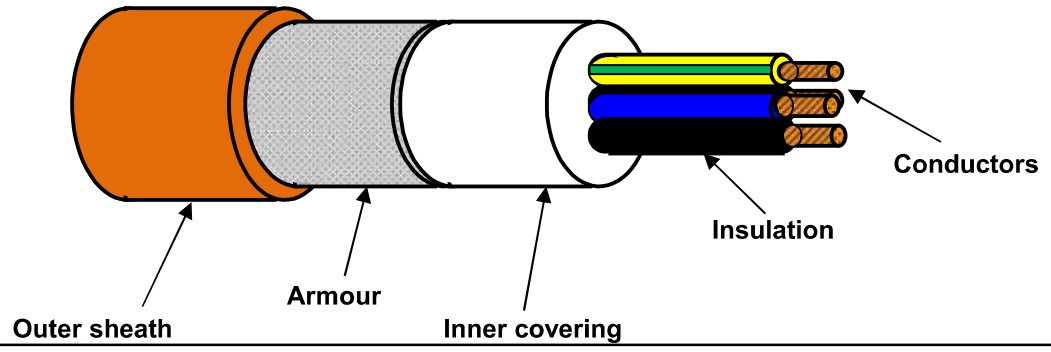
F.to UNI A3: 420mmx297mm

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

Tag Number	Category	Discipline	Eng Status	NativeDoc	Parent Tag	Main Function	Secondary Function	Area	From Tag	From Main Function	From Area	To Tag	To Main Function	To Area	Material ID	Material Desc.	Gland Standar	From Gland	From Entry	From Fitting	To Gland	To Entry	To Fitting	Routing	Routing Manual
84304-CEL	Cable	EL	VFC	123A90-DDL-EL-LIS-20148					DP-200F3	AC UPS 35 kVA Distribution Board	Lower Deck (B-300)	B400-PCS-001	PCS -Controller and I/O Cabinet	Lower Deck (B-400)	ELECV19-3G2,5	Cable Cu Cl.2/MGT/EPR/LSZH/GSWB/LSZH 0,6/1kV 3G2,5mm² - Orange	M20	T2_M20_D ouble			n.a.				L-450-101-LVT-040 / L-600-101 LVT-036 / L-600-101-LVT-038 / L-600-101-LVT-035 / E-MCT-302 / L-450-101-LVT-005 / L-600-101-LVT-010 / L-750-101-LVT-015 / L-300-101-LVT-007 / E-MCT-402 / L-300-101-LVT-065 / L-300-101-LVT-066 / L-300-101-LVT-067 / L-150-101-LVT-150

Cu Cl.2/MGT/EPR/LSZH/GSWB/LSZH 0,6/1 KV

3G2,5 - L.V. POWER CABLE - Fire Resistant & Flame Retardant - ARMOURED



TECHNICAL FEATURES

Conductors :	**STRANDED** plain/bare annealed copper wires	IEC 60228 Class 2
Insulation :	Mica/Glass Tape (MGT) plus EPR compound, quality to IEC 60092.360, Nominal Thickness 1,0 mm	
Cores colour code :	**Brown - Blue - Yellow/Green**	
Pair Assembling :	Not required	
Pair Wrapping:	Not required	
Drain wire :	Not required	
Pair Shield :	Not required	
Shield Insulation :	Not Required	
Total Assembling :	Cores layed up with optimal lay length	
Overall Wrapping:	Not required	
Drain wire :	Not required	
Overall Shield:	Not required	
Inner covering :	Extruded LSZH compound, Average Thickness 1,0 mm	
Inner covering color code:	**Black or Natural**	
Armour :	**Galvanized Steel Wire Braid Armour (coverage ≥ 90%)**	
Outer sheath :	Extruded LSZH Thermoplastic Compound (O.I. ≥ 30%), type **SHF1** to IEC 60093.360, Average Thickness 1,3 mm	
Outer sheath color code:	**Orange**	
Outer printing (INKJET) :	**FLEI - ELECTRIC CABLE - 1000V - 3G2,5 SQMM - MGT/EPR/LSZH/GSWB/LSZH - 0,6/1 KV - IEC 60331.21 - IEC 60332.1.2 - IEC 60332.3.22 - Year of Manufacture - CE + Meter Marking**	
Under Armour diameter :	(11,7 ± 10%) mm	
Over Armour diameter :	(12,9 ± 10%) mm	
Outer diameter :	(15,5 ± 10%) mm	
Bending radius :	cable outer diameter x 10	(in fixed installation)
Voltage test :	3,5 kV a.c. for 5' (Between Cores - Armour)	
Conductors DC Resistance :		IEC 60228 Class 2
Insulation Resistance :	≥ 940 MΩ x Km (@ 20°C)	
Applicable Standards		
Design Guidelines :	**IEC 60092.353**	
ON COMPLETE CABLE		
Fire Resistant test :	**IEC 60331.21**	
Flame Retardant test :	IEC 60332.1.2 - IEC 60332.3.22	
Acid Gas generation :	IEC 60754.1/2	
Smoke density/Light Transmittance	IEC 61034.2 (LT ≥ 60%)	
Temperature Range :		
ON INSULATION	(max +90°C)	(max continuous operation temperature of conductors)
	(max +250°C)	(max conductors temperature during short-circuit for 5 seconds)
ON COMPLETE CABLE		
During Operation :	(-20°C up to +90°C)	(in fixed installation)
During installation :	(- 5°C up to +50°C)	
Note :	**To meet the requirements of installation and use in Zone 1 & Zone 2 (IEC 60079-14) and "Gas & Vapour Tight" the cable must be provided with Penetrating Inner covering together with correct ATEX approved equipment or accessories.**	

Office	Date	Sign	Rev.	Date	Sign
Drawn by :	29/03/2024	Messa			
Checked :	29/03/2024	Spaccasassi			
Approved :	29/03/2024	Cucinotta			

The data provided, lending assent for the treatment, will be used to the sense of the article 13 of of the Regulation (UE) 2016/679, also through outsiders, in order to allow the realization of the fulfilments informatives, administrative, commercial and accounting related to the contractual relationship. Integral copy of the informative could be requested at our offices.

All proprietary rights reserved according to law. This document shall be not reproduced without written permission. FLEI reserves the right to change characteristics and technical data of product shown at any time.

ITEM	Tag	83105-CEL	: Lighting & Small Power DB BoP / PCS -Controller and I/O Cabinet - Auxiliary			Dwg	123A90-DDL-EL-LIS-20148
	S/Sys	87-10	: Process Control System (PCS)			Module	LD_B-200/LD_B-400
TASK	code	C10000624	Location	Onshore Activities		User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Electrical	Form CPX09	LV Power Cable

CABLE DATA

Type Cu Cl.2/EPR/LSZH Cores/Size mm² 3G2.5 Color Grey

From DP-200N1 To B400-PCS-001

1	Confirm cable is as specified in project cable schedule	OK
2	Visual Check cable physical integrity.	OK
3	Check is installed in accordance with layout drawing (segregation, distance…).	OK
4	Check cable is supported and fixed to rack according to project specification.	PL
5	Check bending radius is within the specified limits.	OK
6	Confirm cable glands suit for cable type, correctly mounted and tightened.	NA
7	Check gland plate for single core cables is non ferrous (non -magnetic).	NA
8	Confirm cable labelling is in accordance with specifications.	PL
9	Check cable is correctly loomed and segregated in accordance with specification.	OK
10	Check cable earthing against lastest drawings.	PL
11	Check cores marking are in accordance with termination diagram	OK
12	Check terminations are in accordance with latest termination diagram	OK
13	If required produce Red Line Mark Up for "AS BUILT"	

ROSETTI MARINO PROVERLIS CROSSWIND

ITEM	Tag	83105-CEL	: Lighting & Small Power DB BoP / PCS -Controller and I/O Cabinet - Auxiliary			Dwg	123A90-DDL-EL-LIS-20148
	S/Sys	87-10	: Process Control System (PCS)			Module	LD_B-200/LD_B-400
TASK	code	C10000624		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Electrical	Form	CPX09 LV Power Cable

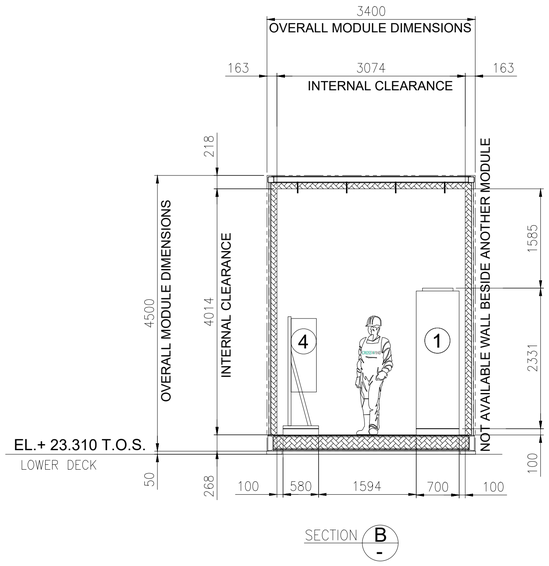
CONTINUITY				
5	CORE CONTINUITY Ω	PH 1	0,4	
6		PH 2	0,4	
7		PH 3	NA	
8	ARMOUR CONTINUITY Ω		NA	
9	PROTECTIVE CONDUCTOR CONTINUITY Ω		0,5	
INSULATION				
10	CORES / ARMOUR+EARTH MΩ	PH1 / PH2-PH3-A-E	>1999	
11		PH2 / PH1-PH3-A-E	>1999	
12		PH3 / PH1-PH2-A-E	NA	
13	CABLE IS CORRECTLY RE-CONNECTED.		Yes	

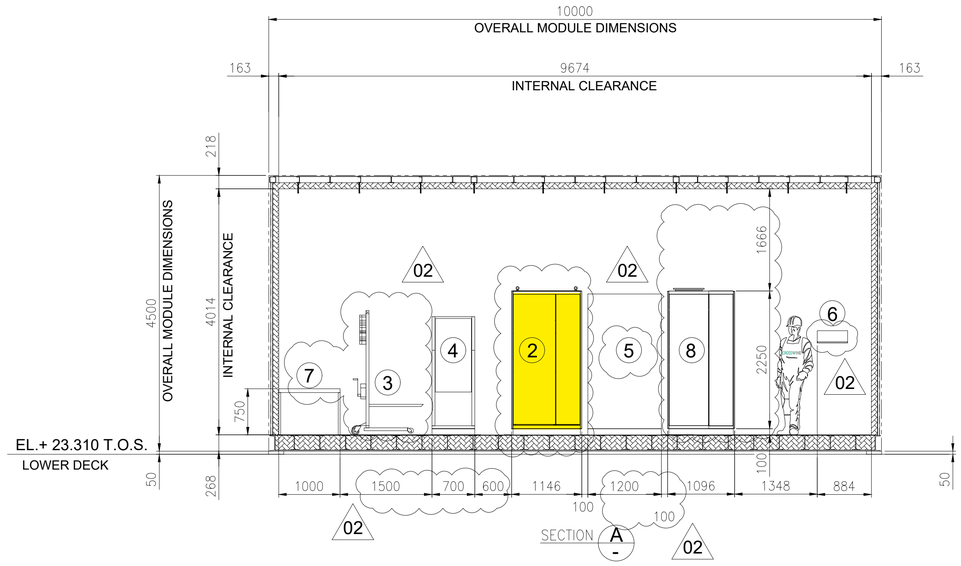
TESTING INSTRUMENTS USED			
TYPE / SERIAL N° :	MEGGER : KEW3125A SERIAL: W8330207	TYPE / SERIAL N° :	MULTIMETER: FLUKE 175 SERIAL:AW1/018(17140769)
Calibration certificate N° and date:	N°7722/24 _ 10/07/2024	Calibration certificate N° and date:	N°7715/24 _ 10/07/2024

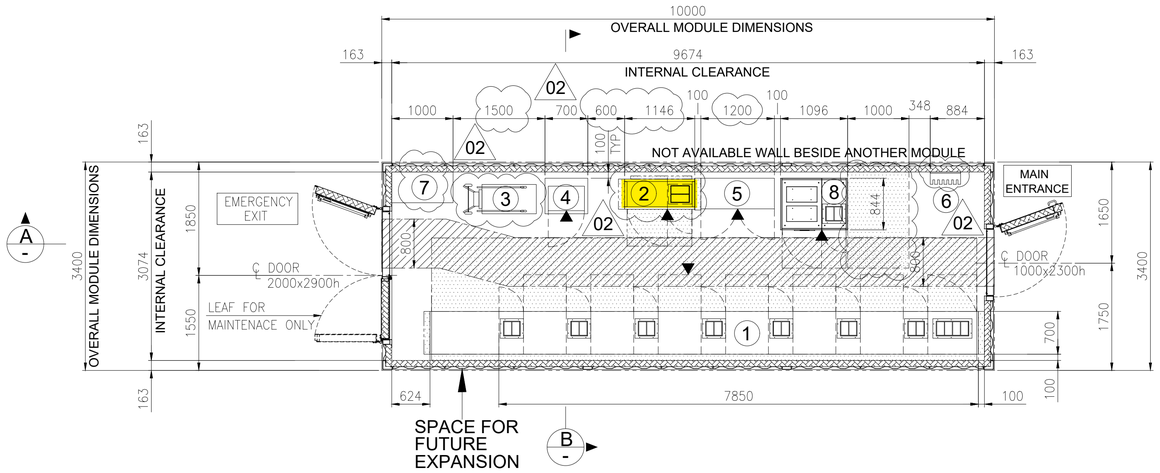
Comments:

	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM (Rosetti Marino)	
Name	Carmelo Bongiovanni	Giovanni Tangianu	
Date	2024-11-06	2024-11-09	
Signature	PROVERLIS Digitaly signed by Carmelo Bongiovanni 2024-11-06T17:16:22.197Z	PROVERLIS Digitaly signed by Giovanni Tangianu 2024-11-09T10:00:42.227Z	

DRAWING NO. 123A90-DDL-EL-DL-20105 REV. 02





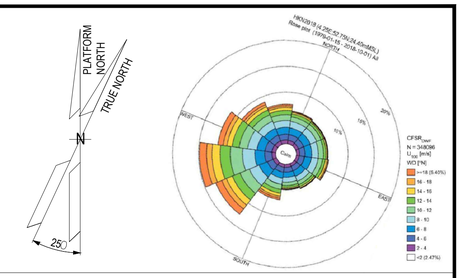


EQUIPMENT LAYOUT
"B-200" LV (400V) SWITCHGEAR ROOM
BOTTOM PLAN

1

EQUIPMENT LIST

REF.	TAG No.	DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	NOTE
1	SG-200N1	400V SWITCHGEAR	7850	700	2331	
2	DP-200N1	DISTRIBUTION BOARD FOR LIGHTING AND SMALL POWER B.O.P.	1146	520	2250	
3	-	SERVICE TROLLEY FOR 400V SWITCHGEAR	1034	490	2030	
4	CN-200N1	ICCP PANEL	700	580	1830	
5	B200-HSB-001	DISTRIBUTION & HVAC PANEL - LV ROOM	1200	600	1900	02
6	-	TOOL BOX	495	200	200	
7	-	TABLE	1000	500	750	
8	SG-200D2	ACB PANEL FOR SOLAR PACKAGE	1096	844	2294	



NOTES

1. U.N.O. ALL DIMENSIONS ARE IN MILLIMETERS.
2. DELETED.
3. DOCUMENT VALID ONLY FOR ELECTRICAL COMPONENT, FOR OTHER SCOPE LOCATION AND INFORMATION, PLEASE REFER TO VENDORS AND PROJECT DOCUMENTS.
4. FOR OTHER ITEMS, CORRECT LOCATION AND INFORMATION, PLEASE REFER TO VENDORS AND DEDICATED PROJECT DOCUMENTATION.
5. HEIGHT OF ALL PANELS IN THE EQUIPMENT LIST TABLE IS WITHOUT THE BASE FRAME (100mm)

02

LEGEND

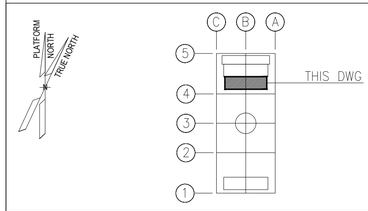
U.N.O. _____ UNLESS NOTED OTHERWISE
T.O.S. _____ TOP OF STEEL
_____ ESCAPE CORRIDOR - WIDTH 800mm.
_____ MAINTENANCE AREA - VENDOR REQUIREMENT
_____ SWITCHGEAR ROOM ENCLOUSURE
_____ FRONT OF EQUIPMENT

REFERENCES

DOCUMENT TITLE	DOCUMENT NUMBER
SG-200N1 GENERAL ARRANGEMENT DRAWING	1723002197-EL-DA-00007
SG-200D2 GENERAL ARRANGEMENT DRAWING	1723002197-EL-DA-00008
DP-200N1 GENERAL ARRANGEMENT DRAWING	1723002197-EL-DA-00009
AC UPS – GENERAL ARRANGEMENT AND DIMENSIONAL DRAWINGS	1724000372-EL-DA-00004
AC UPS – BATTERY LAYOUT INTERCONNECTING DIAGRAM	1724000372-EL-DG-00011
B-200 -GENERAL ARRANGEMENT DRAWINGS - E&I SHELTER	1724000049-AR-DA-00015
ICCC PANEL GENERAL ARRANGEMENT DRAWING	144671-CORR-TF-FAB-DWG-0003

02

KEY PLAN



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	27/05/2024	FMO	LMA/AMA	LMA/MDO	ACCEPTED FOR CONSTRUCTION (AFC)
01	26/03/2024	GPA	LMA/AMA	LMA/MDO	ISSUE FOR REVIEW (IFR)
00	08/11/2023	DSF	CB/AMA	DYFO/MDO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

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

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:50
DRAWN FMO	CHECKED LMA/AMA	APPROVED LMA/MDO	DATE 27/05/2024
A1	DRAWING NO. 123A90-DDL-EL-DL-20105	SHEET 001	REV. 02

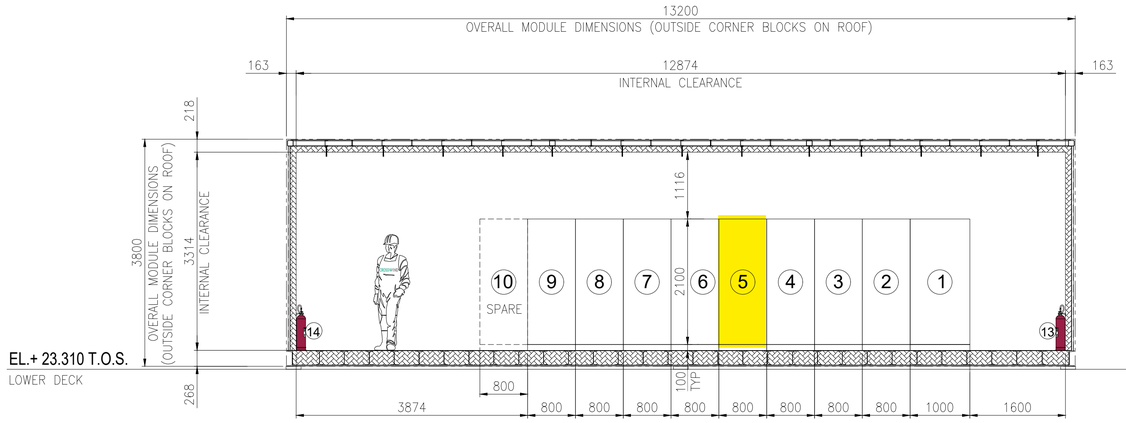
VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DL-20105**

REV.:	DATE:	SIGNATURE:
2_A	08/08/24	G.Randi

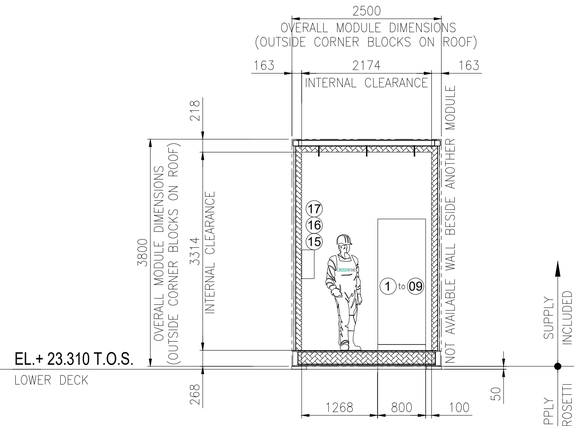
ROSETTI MARINO SpA

File Name : 123A90-DDL-EL-DL-20105_REV02.dwg

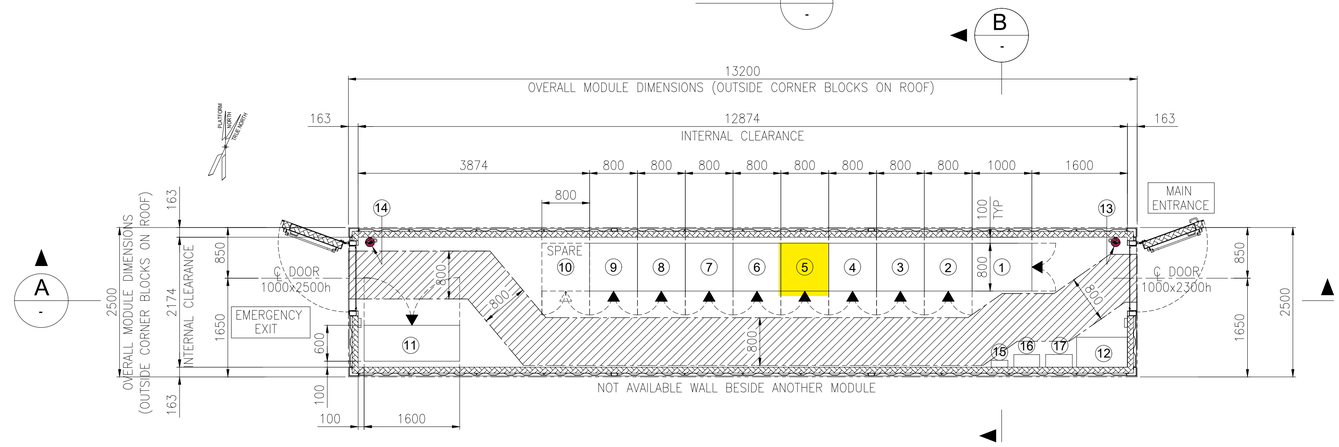
DRAWING NO. 123A90-DDL-IN-DL-40012 REV. 03



SECTION A -



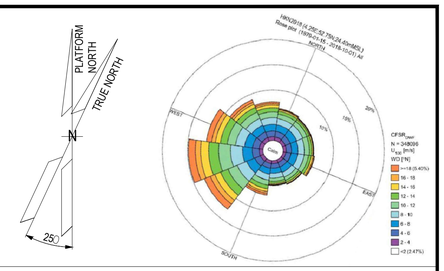
SECTION B -



EQUIPMENT LAYOUT
"B-400" I&T EQUIPMENT ROOM
BOTTOM PLAN

EQUIPMENT LIST

REF.	TAG No.	DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	NOTE
1	B400-SRV-001	SERVER CABINET	1000	800	2100	
2	B400-NET-001	NETWORK CABINET	800	800	2100	
3	B400-EMCS-001	EMCS SYSTEM CABINET	800	800	2100	
4	B400-PCS-002	PCS MARSHALLING CABINET	800	800	2100	
5	B400-PCS-001	PCS SYSTEM CABINET 03	800	800	2100	
6	B400-FGS-003	FGS MARSHALLING CABINET 2	800	800	2100	
7	B400-FGS-002	FGS MARSHALLING CABINET 1	800	800	2100	
8	B400-FGS-001	FGS SYSTEM CABINET	800	800	2100	
9	B400-SIS-001	SIS SYSTEM/MARSHALLING CABINET	800	800	2100	
10	-	SPARE				
11	B400-HSB-001	DISTRIBUTION & HVAC PANEL - I&T ROOM	1600	600	2300	
12	-	TABLE	850	500	750	
13	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
14	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
15	-	FIRST AID KIT	280	115	200	
16	-	RESUSCITATION UNIT	430	210	480	
17	-	CABINET INCLUDED N.10 ESCAPE MASK	448	213	422	



NOTES

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2. DOCUMENT VALID ONLY FOR INSTRUMENT COMPONENT, FOR OTHER SCOPE LOCATION AND INFORMATION, PLEASE REFER TO VENDORS AND PROJECT DOCUMENTS.

LEGEND

U.N.O. _____ UNLESS NOTED OTHERWISE
T.O.S. _____ TOP OF STEEL
_____ ESCAPE CORRIDOR – WIDTH 800mm.
_____ EQUIPMENT ROOM ENCLOUSURE
_____ FRONT OF EQUIPMENT

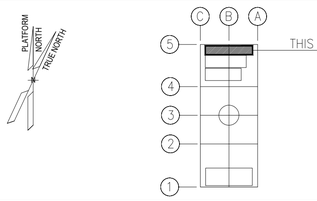
HOLDS

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REFERENCE

DOCUMENT TITLE	DOCUMENT NUMBER
Control System Architecture Detailed Drawings	123A90-DDL-IN-DD-40096
Data Network Architecture Drawings	123A90-DDL-IN-DD-40019
Earthing layouts drawings (CCR, ITER)	123A90-DDL-IN-DL-40013
Instrument and Telecom MCT Layout – Lower Deck	123A90-DDL-IN-DL-40086
"B-400" I&T Equipment Room – Architectural Layout	123A90-DDL-AR-DL-10015
"B-400" ARCHITECTURAL GENERAL LAYOUT PLAN, WIEW, SECTIONS & TYP. DETAILS	123A90-DDL-AR-DL-10015
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DA-00017
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DD-00021
"B-400" HVAC SYSTEM G.A. and DETAILS	1724000049-HV-DA-00067

KEY PLAN



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	27/05/24	MGA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	22/01/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)
00	07/11/23	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND — ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH) OFF-SHORE ITER EQUIPMENT LAYOUT

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:33,3
DRAWN MGA | CHECKED LCA | APPROVED DLO | DATE 27/05/24
A1 | DRAWING NO. 123A90-DDL-IN-DL-40012 | SHEET 001 | REV. 03

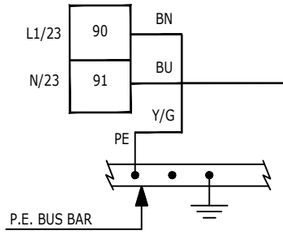
VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DL-40012**
REV.: 3_A | DATE: 07/10/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

File Name : 123A90-DDL-IN-DL-40012 Rev.03.dwg

FROM	TO

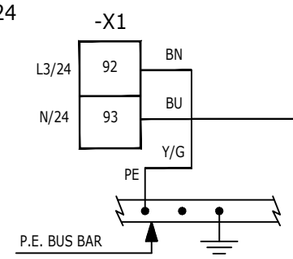
DESCRIPTION: LIGHTING & SMALL POWER DB BOP
TAG NUMBER: DP-200N1

CUBICLE/CB: +03/Q23



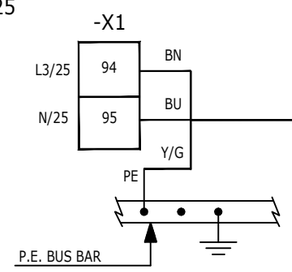
83104-CEL
3G2.5 mm²

CUBICLE/CB: +03/Q24



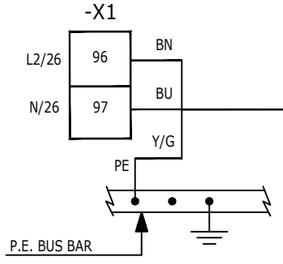
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CUBICLE/CB: +03/Q25



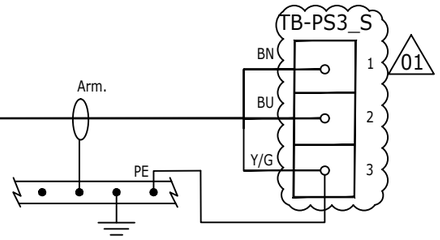
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CUBICLE/CB: +03/Q26

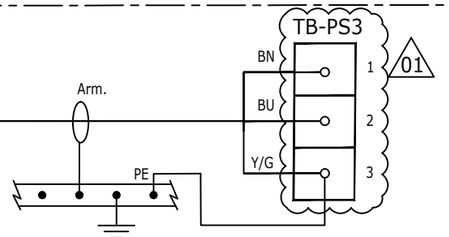


83107-CEL
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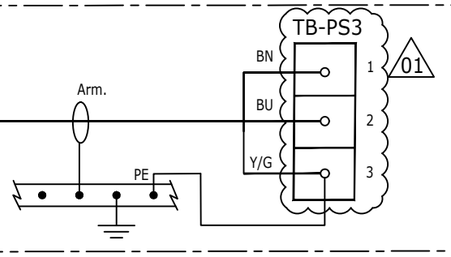
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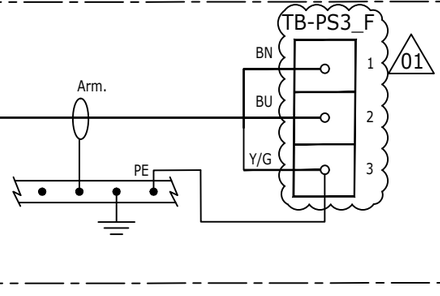
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TAG NUMBER: B400-PCS-001



DESCRIPTION: EMCS -CONTROLLER AND I/O CABINET - AUXILIARY
TAG NUMBER: B400-EMCS-001



DESCRIPTION: FGS FIRE & GAS PANEL - AUXILIARY
TAG NUMBER: B400-FGS-001



VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-EL-DL-20149**

REV.:	DATE:	SIGNATURE:
1_A	17/10/24	G.Randi

ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	16/10/24	SAI	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	SAI	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL INTERCONNECTING WIRING DIAGRAM
LIGHTING & SMALL POWER DB BOP

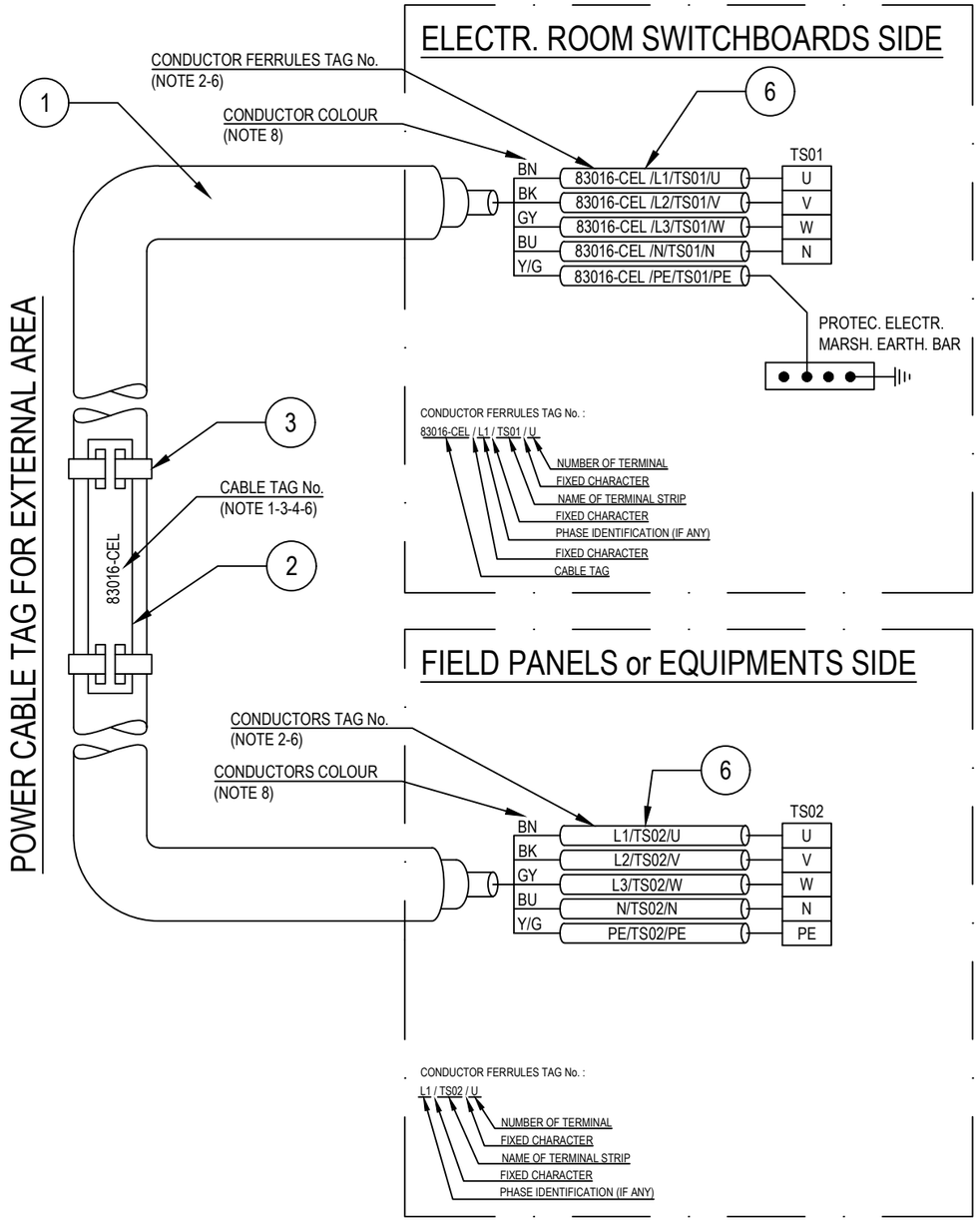
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : 1:X

A3 | DRAWING NO. 123A90-DDL-EL-DG-20149 | SHEET 052 | REV. 01

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DG-20162 Rev. 01

C02



POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	UNARMOURED CABLE				
2	CABLE TAG FOR EXTERNAL AREA	HDG/SS			NOTE 1 NOTE 4
3	TIE FOR CABLE TAG IN EXTERNAL AREA	HDG/SS			
4	CABLE TAG FOR INTERNAL AREA	PVC			NOTE 1 NOTE 5
5	TIE FOR CABLE TAG IN INTERNAL AREA	NYLON 6.6			
6	CORE FERRULES	PVC			

NOTES:

1) ALL CABLES SHALL BE IDENTIFIED AT EACH TERMINATION AND EACH SIDE OF ANY OBSTACLE (E.G. CABLE TRANSIT ON WALLS INSIDE SHELTER AND FLOOR DECK CROSSING, BY THEIR RESPECTIVE TAGS/NUMBERS, AS INDICATED ON THE CABLE SCHEDULE.
CABLE IDENTIFICATION SHALL BE ALSO DONE BELOW AND IN THE SWITCHBOARD CABLE COMPARTMENT.

2) CABLE CORE FERRULES SHALL BE FITTED AT EVERY TERMINATION. THESE FERRULES SHALL BE OF ENGRAVED PLASTIC SLIP ON, INTERLOCKED AND SELF GRIP TYPE.

3) ON CABLE TRAYS OR LADDERS, CABLES SHALL BE IDENTIFIED AT EACH END, AND EVERY 25 METERS.

4) THE CABLE TAG FOR EXTERNAL AREA SHALL DONE BY 316L STAINLESS STEEL LABELS, TAG (H=5mm) SHALL BE LASER PRINTED PREFERABLY OR EMBOSSED, LABEL HELD BY TWO 316L STAINLESS STEEL TIES.

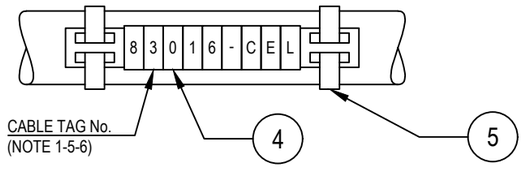
5) THE CABLE TAG FOR INTERNAL AREA SHALL BE DONE BY ENGRAVED PLASTIC SLIP ON CHARACTERS ONTO PLASTIC TIE, BLACK LETTER (H=5mm) ON WHITE.

6) CABLE AND CONDUCTOR TAG ARE INDICATIVE ONLY.

7) WITHIN TECHNICAL BUILDING, PROTECTIVE CONDUCTOR SHALL BE TAGGED BETWEEN FOLLOWING ITEMS:
- PANEL (SWITCHBOARD, SWITCHGEAR, DISTRIBUTION BOARD, ETC) AND EARTH BAR
- EARTH BAR AND EARTH BOSS

8) ONLY IF NECESSARY, SHRINK TUBES OF THE APPROPRIATE COLOR WILL BE INSTALLED TO COVER THE WRONG CONDUCTOR COLOR, THIS WILL BE PERFORMED IN EACH SIDE OF THE CABLES WHERE NECESSARY.

POWER CABLE TAG FOR INTERNAL AREA



VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-EL-DD-20092
REV.: 2_A | DATE: 28/08/24 | SIGNATURE: G.Randi
ROSETTI MARINO SpA

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)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL TYPICAL INSTALLATION DETAILS-POWER SYSTEM & CABLE INSTALLATION
CABLES INSTALLATION SYSTEM IDENTIFICATION FOR POWER 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 007 | REV. 02

F.to UNI A3: 420mmx297mm

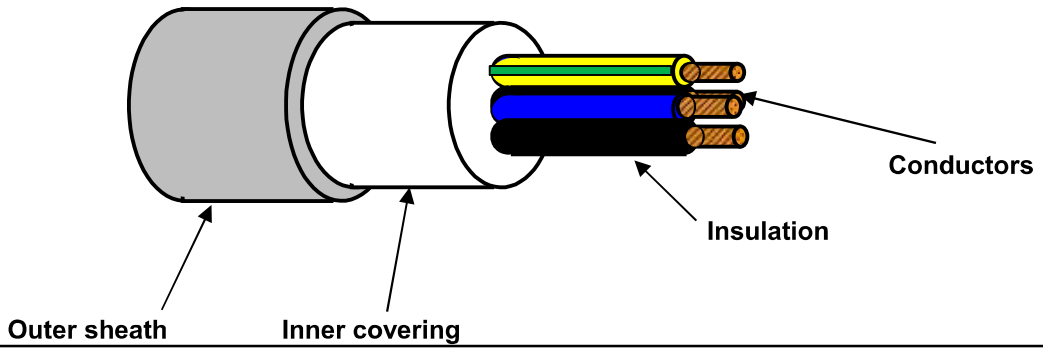
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Tag Number	Category	Discipline	Eng Status	NativeDoc	Parent Tag	Main Function	Secondary Function	Area	From Tag	From Main Function	From Area	To Tag	To Main Function	To Area	Material ID	Material Desc.	Gland Standar	From Gland	From Entry	From Fitting	To Gland	To Entry	To Fitting	Routing	Routing Manual
83105-CEL	Cable	EL	VFC	123A90-DDL-EL-LIS-20148					DP-200N1	LV 0,4 / 0,23 kV Distribution Switchgear	Lower Deck (B-200)	B400-PCS-001	PCS -Controller and I/O Cabinet	Lower Deck (B-400)	ELECV06-3G2,5	Cable Cu Cl.2/EPR/LSZH 0,6/1kV 3G2,5mm² - Grey	M20	n.a.			n.a.				L-450-101-LVT-030 / L-600-101 LVT-020 / L-600-101-LVT-018 / L-600-101-LVT-017 / E-MCT-201 / L-750-101-LVT-011 / L-450-101-LVT-008 / L-300-101-LVT-009 / E-MCT-401 / L-300-101-LVT-065 / L-300-101-LVT-066 / L-300-101-LVT-067 / L-150-101-LVT-150

FLEI s.r.l.

Cu Cl.2/EPR/LSZH 0,6/1 KV

3G2,5 - L.V. POWER CABLE - Flame Retardant



TECHNICAL FEATURES

Conductors :	**STRANDED** plain/bare annealed copper wires	IEC 60228 Class 2
Insulation :	EPR compound, quality to IEC 60092.360, Nominal Thickness 1,0 mm	
Cores colour code :	**Brown - Blue - Yellow/Green**	
Pair Assembling :	Not required	
Pair Wrapping:	Not required	
Drain wire :	Not required	
Pair Shield :	Not required	
Shield Insulation :	Not Required	
Total Assembling :	Cores layed up with optimal lay length	
Overall Wrapping:	Not required	
Drain wire :	Not required	
Overall Shield:	Not required	
Inner covering :	Extruded LSZH compound, Average Thickness 1,0 mm	
Inner covering color code:	**Black or Natural**	
Armour :	Not required	
Outer sheath :	Extruded LSZH Thermoplastic Compound (O.I. ≥ 30%), type **SHF1** to IEC 60093.360, Average Thickness 1,2 mm	
Outer sheath color code:	**Grey**	
Outer printing (INKJET) :	**FLEI - ELECTRIC CABLE - 1000V - 3G2,5 SQMM - EPR/LSZH - 0,6/1 KV - IEC 60332.1.2 - IEC 60332.3.22 -**	
	Year of Manufacture - CE + Meter Marking	
Outer diameter :	(13,0 ± 10%) mm	
Bending radius :	cable outer diameter x 10	(in fixed installation)
Voltage test :	3,5 kV a.c. for 5' (Between Cores)	
Conductors DC Resistance :		IEC 60228 Class 2
Insulation Resistance :	≥ 1100 MΩ x Km (@ 20°C)	
Applicable Standards		
Design Guidelines :	**IEC 60092.353**	
ON COMPLETE CABLE		
Flame Retardant test :	IEC 60332.1.2 - IEC 60332.3.22	
Acid Gas generation :	IEC 60754.1/2	
Smoke density/Light Transmittance	IEC 61034.2 (LT ≥ 60%)	
Temperature Range :		
ON INSULATION	(max +90°C)	(max continuous operation temperature of conductors)
	(max +250°C)	(max conductors temperature during short-circuit for 5 seconds)
ON COMPLETE CABLE		
During Operation :	(-20°C up to +90°C)	(in fixed installation)
During installation :	(- 5°C up to +50°C)	
Note :	**To meet the requirements of installation and use in Zone 1 & Zone 2 (IEC 60079-14) and "Gas & Vapour Tight" the cable must be provided with Penetrating Inner covering together with correct ATEX approved equipment or accessories.**	

Office	Date	Sign	Rev.	Date	Sign
Drawn by :	29/03/2024	Messa			
Checked :	29/03/2024	Spaccasassi			
Approved :	29/03/2024	Cucinotta			

The data provided, lending assent for the treatment, will be used to the sense of the article 13 of of the Regulation (UE) 2016/679, also through outsiders, in order to allow the realization of the fulfilments informatives, administrative, commercial and accounting related to the contractual relationship. Integral copy of the informative could be requested at our offices.

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Section 6 MECHANICAL COMPLETION STATUS INDEX - INSTRUMENTAL DISCIPLINE

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 87-10 & process: MC & discipline : I

Instrumental	87-10 Process Control System (PCS)						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
B400-PCS-001	PCS -Controller and I/O Cabinet	ONSHORE	C10000842	CJX48	100	2024-11-20	RFC 1
B400-PCS-002	PCS Marshalling Cabinet	ONSHORE	C10000843	CJX48	100	2024-11-22	RFC 1

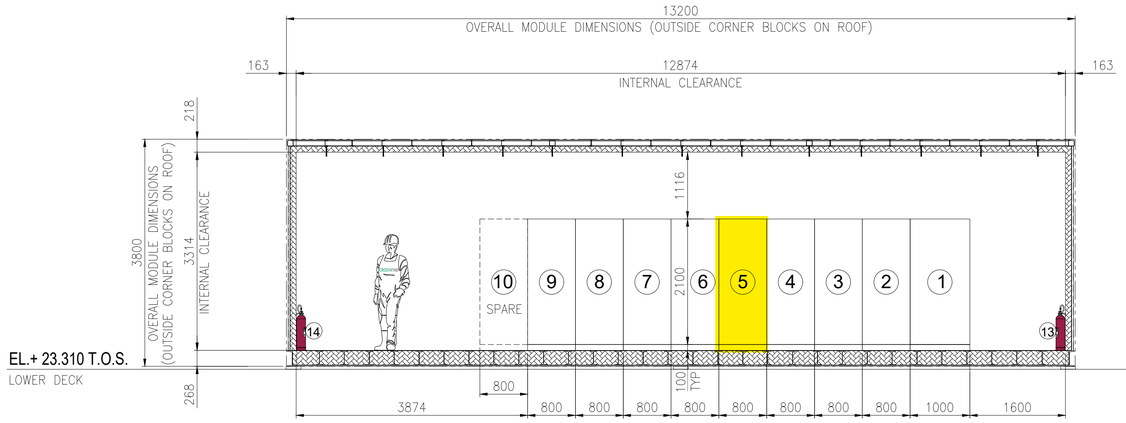
ITEM	Tag	B400-PCS-001	: PCS -Controller and I/O Cabinet			Dwg	123A90-DDL-IN-DL-40012
	S/Sys	87-10	: Process Control System (PCS)			Module	LD_B-400
TASK	code	C10000842		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Instrumental Form CJX48		Indoor Cabinet/Panel

1	Check for mechanical damage (Panel and internal items).	PL
2	Check that the Panel is de-energized and safe.	OK
3	Check identification (tag number, tag plates).	OK
4	Check supporting and protection against vibrations.	OK
5	Check door handles (type, locking, …).	OK
6	Check data sheet and general arrangement are conforms to drawings.	PL
7	Check internal layout conforms to drawings.	PL
8	Check signals segregation conforms to specifications.	OK
9	Check that anti-condensation heaters are ready to be energized.	OK
10	Check earthing connections are properly fixed and tightened.	OK
11	Check incoming cables identification .	OK
12	Check if accessibility and maintenance are possible and safe.	OK
13	If required produce Red Line Mark Up for "AS BUILT"	

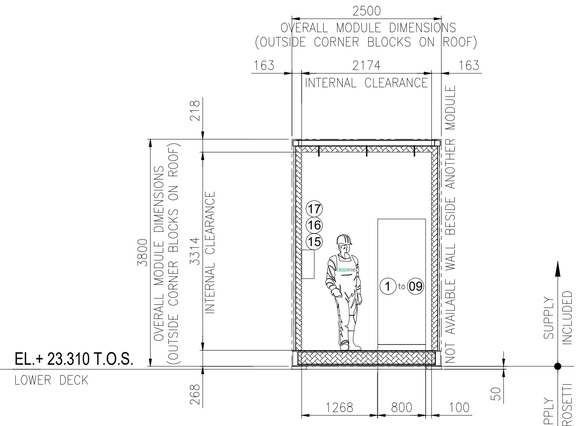
Comments:

	Performed by	☉ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM (ROSETTI MARINO)	
Name	Carmelo Bongiovanni	Giovanni Tangianu	
Date	2024-11-06	2024-11-20	
Signature	PROVERLIS Digitaly signed by Carmelo Bongiovanni 2024-11-06T17:20:48.249Z	PROVERLIS Digitaly signed by Giovanni Tangianu 2024-11-20T14:18:48.549Z	

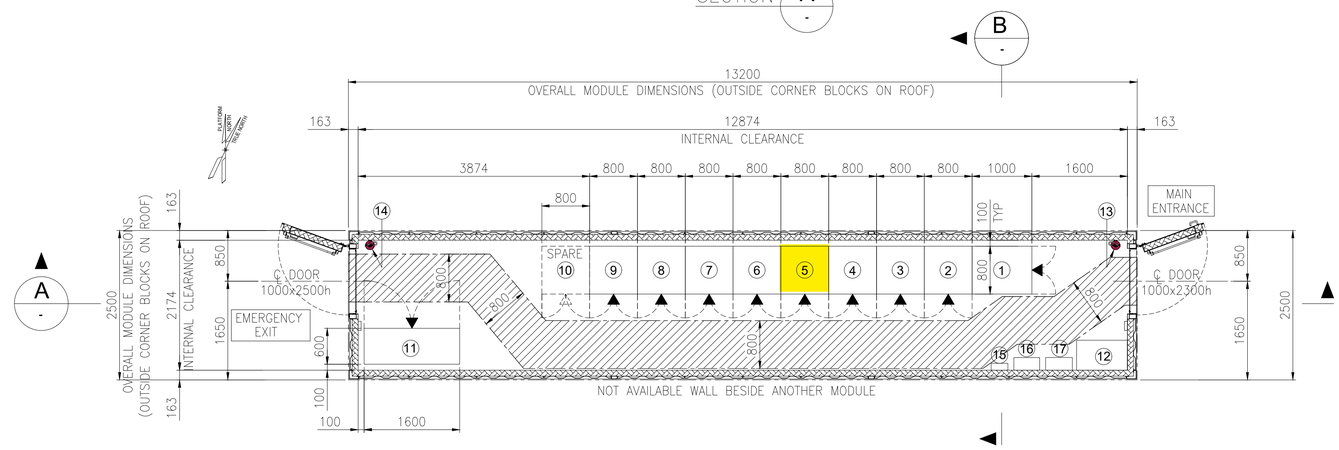
DRAWING NO. 123A90-DDL-IN-DL-40012 REV. 03



SECTION A -



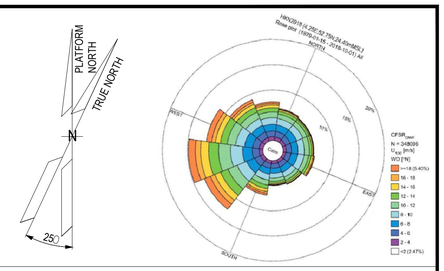
SECTION B -



EQUIPMENT LAYOUT
"B-400" I&T EQUIPMENT ROOM
BOTTOM PLAN

EQUIPMENT LIST

REF.	TAG No.	DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	NOTE
1	B400-SRV-001	SERVER CABINET	1000	800	2100	
2	B400-NET-001	NETWORK CABINET	800	800	2100	
3	B400-EMCS-001	EMCS SYSTEM CABINET	800	800	2100	
4	B400-PCS-002	PCS MARSHALLING CABINET	800	800	2100	
5	B400-PCS-001	PCS SYSTEM CABINET 03	800	800	2100	
6	B400-FGS-003	FGS MARSHALLING CABINET 2	800	800	2100	
7	B400-FGS-002	FGS MARSHALLING CABINET 1	800	800	2100	
8	B400-FGS-001	FGS SYSTEM CABINET	800	800	2100	
9	B400-SIS-001	SIS SYSTEM/MARSHALLING CABINET	800	800	2100	
10	-	SPARE				
11	B400-HSB-001	DISTRIBUTION & HVAC PANEL - I&T ROOM	1600	600	2300	
12	-	TABLE	850	500	750	
13	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
14	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
15	-	FIRST AID KIT	280	115	200	
16	-	RESUSCITATION UNIT	430	210	480	
17	-	CABINET INCLUDED N.10 ESCAPE MASK	448	213	422	



NOTES

1. U.N.O. ALL DIMENSIONS ARE IN MILLIMETERS.
2. DOCUMENT VALID ONLY FOR INSTRUMENT COMPONENT, FOR OTHER SCOPE LOCATION AND INFORMATION, PLEASE REFER TO VENDORS AND PROJECT DOCUMENTS.

LEGEND

U.N.O. _____ UNLESS NOTED OTHERWISE
T.O.S. _____ TOP OF STEEL
_____ ESCAPE CORRIDOR – WIDTH 800mm.
_____ EQUIPMENT ROOM ENCLOUSURE
_____ FRONT OF EQUIPMENT

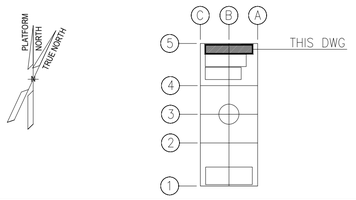
HOLDS

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REFERENCE

DOCUMENT TITLE	DOCUMENT NUMBER
Control System Architecture Detailed Drawings	123A90-DDL-IN-DD-40096
Data Network Architecture Drawings	123A90-DDL-IN-DD-40019
Earthing layouts drawings (CCR, ITER)	123A90-DDL-IN-DL-40013
Instrument and Telecom MCT Layout – Lower Deck	123A90-DDL-IN-DL-40086
"B-400" I&T Equipment Room – Architectural Layout	123A90-DDL-AR-DL-10015
"B-400" ARCHITECTURAL GENERAL LAYOUT PLAN, WIEW, SECTIONS & TYP. DETAILS	123A90-DDL-AR-DL-10015
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DA-00017
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DD-00021
"B-400" HVAC SYSTEM G.A. and DETAILS	1724000049-HV-DA-00067

KEY PLAN



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	27/05/24	MGA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	22/01/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)
00	07/11/23	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND | ROSETTI MARINO

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DL-40012**

REV.:	DATE:	SIGNATURE:
3_A	07/10/24	G.Randi

ROSETTI MARINO SpA

TITLE : BASE LOAD POWER HUB (BLPH)
OFF-SHORE ITER
EQUIPMENT LAYOUT

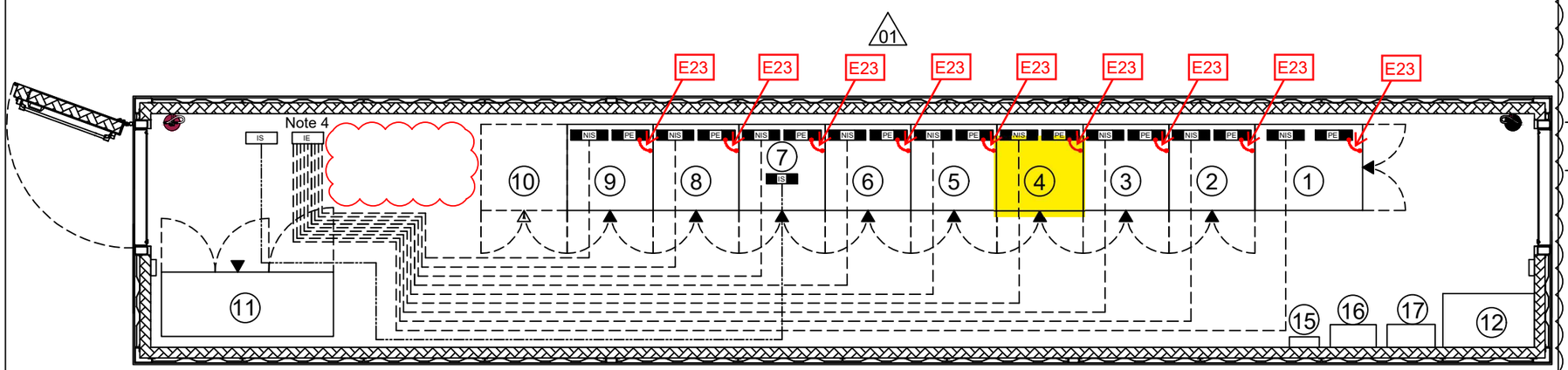
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE 1:33,3
DRAWN MGA | CHECKED LCA | APPROVED DLO | DATE 27/05/24
A1 | DRAWING NO. 123A90-DDL-IN-DL-40012 | SHEET 001 | REV. 03

File Name : 123A90-DDL-IN-DL-40012 Rev.03.dwg

INSTRUMENT EQUIPMENT LIST		
REF.	TAG No.	DESCRIPTION
1	B400-SRV-001	SERVER CABINET
2	B400-NET-001	NETWORK CABINET
3	B400-EMCS-001	EMCS SYSTEM CABINET
4	B400-PCS-001	PCS SYSTEM CABINET
5	B400-PCS-002	PCS MARSHALLING CABINET
6	B400-FGS-001	FGS SYSTEM CABINET
7	B400-FGS-002	FGS MARSHALLING CABINET 1
8	B400-FGS-003	FGS MARSHALLING CABINET 2
9	B400-SIS-001	SIS SYSTEM/MARSHALLING CABINET
10	-	SPARE
11	B400-HSB-001	DISTRIBUTION & HVAC PANEL - I&T ROOM
12	-	TABLE
13	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.
14	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.
15	-	FIRST AID KIT
16	-	RESUSCITATION UNIT
17	-	CABINET INCLUDED N.10 ESCAPE MASK

NOTES

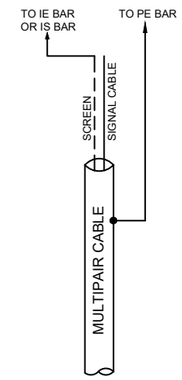
1 - THIS DOCUMENT IS VALID ONLY FOR EARTHING LAYOUT.
2 - THE CABLE SIZE SHALL BE CONFIRMED
3 - THE EXACT POSITION OF EARTHING/MARSHALLING BUS BAR SHALL BE DEFINED IN FIELD.
4 - THE EARTHING BUS BARS INSTALLATION SHALL BE PREFERABLY IN VERTICAL MODE.
5 - FOR EARTHING TYPICAL DETAILS AND Y/G CONDUCTOR CROSS SECTION SEE DOC. 123A90-DDL-EL-DD-20090 "ELECTRICAL TYPICAL INSTALLATION DETAILS - EARTHING SYSTEM".
6 - DUE TO THE TOP CABLE ENTRIES THE EARTHING BUS BAR INSIDE THE CABINETS SHALL BE INSTALLED AT THE TOP OF THE CABINETS THEMSELVES.
7 - IN CASE OF CABLE CONNECTIONS BETWEEN TWO CABINETS, THE CABLE SCREEN SHALL BE CONNECTED TO IE AT MARSHALLING SIDE ONLY.



LEGEND

- PE — EARTHING BUS BAR AISI 316L
- NIS — INSULATED INSTRUMENT EARTH BUS BAR NOT INTRINSIC SAFETY DIM. 450x60x5mm AISI 316L
- IS — INSULATED INSTRUMENT EARTH BUS BAR INTRINSIC SAFETY DIM. 450x60x5mm AISI 316L
- 35sqmm Y/G INSULATED COPPER CONDUCTOR FOR PE (SEE NOTE 2)
- 35sqmm Y/G INSULATED COPPER CONDUCTOR FOR I.S. & NON I.S. (SEE NOTE 2)
- EARTHING BUS BAR 60x5mm AISI 316L (SEE NOTE 3)
- PE — PROTECTIVE EARTH
- IE — INSTRUMENT EARTH
- IS — INTRINSICALLY SAFE EARTH

KEY



VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DL-40013**

REV.:	DATE:	SIGNATURE:
1_B	11/11/24	G.Randi

ROSETTI MARINO SpA

01

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	14/05/24	MGA	LCA	DLO	ACCEPTED FOR CONSTRUCTION
00	19/01/24	INVIRAJ	AMBE/LCA	OYFO/MDO	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
EARTHING LAYOUT DRAWINGS(OFFSHORE ITER)
EQUIPMENT LAYOUT

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

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-IN-DL-40013

SHEET 003

REV. 01

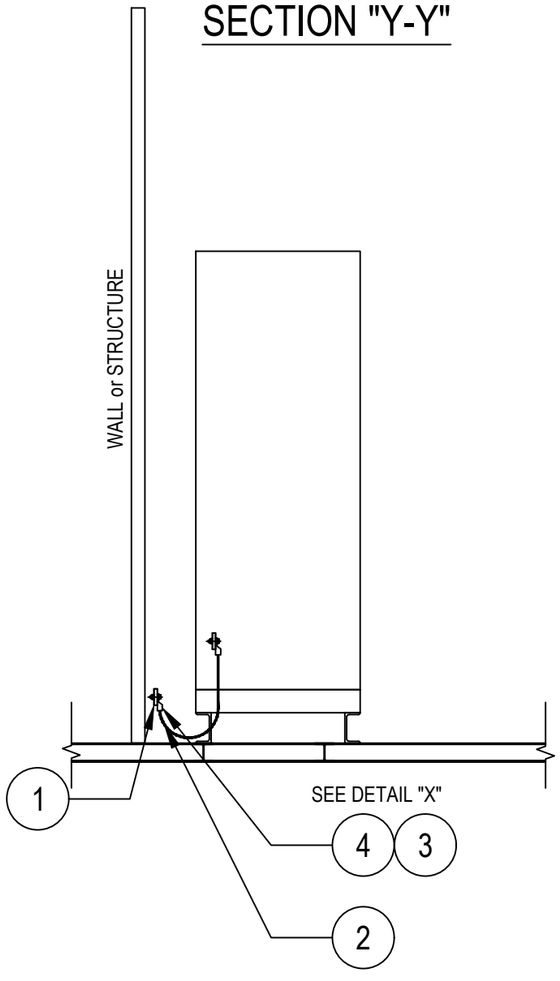
F.to UNI A3: 420mmx297mm

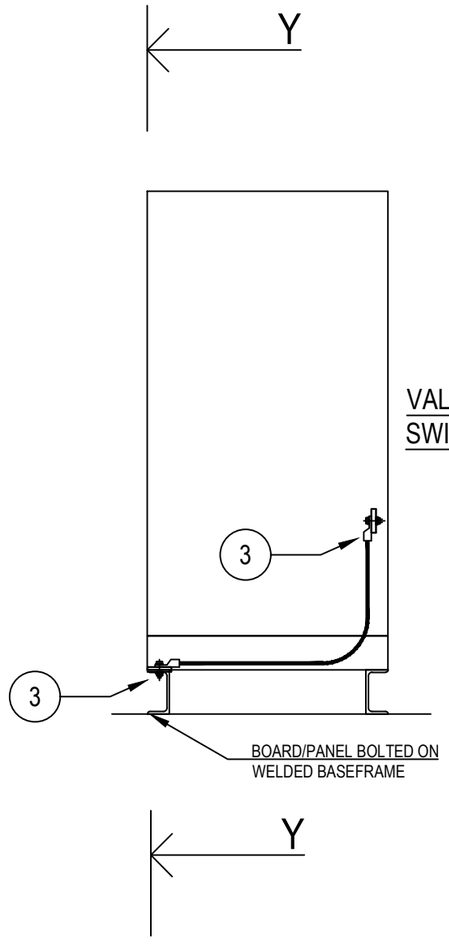
File Name : 123A90-DDL-IN-DL-430013 Rev. 01

E23

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	MARSHALLING EARTHING BAR	TINNED COPPER	50X5		NOTE 1
2	Y/G INSULATING COPPER CONDUCTOR	COPPER	35mm² SEE NOTE 1		NOTE 1
3	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER	35mm² SEE NOTE 1	4	NOTE 1
4	BOLT, PLANE WASHER, GROWER SPRING WASHER AND NUT	AISI 316L	M10X30	4	

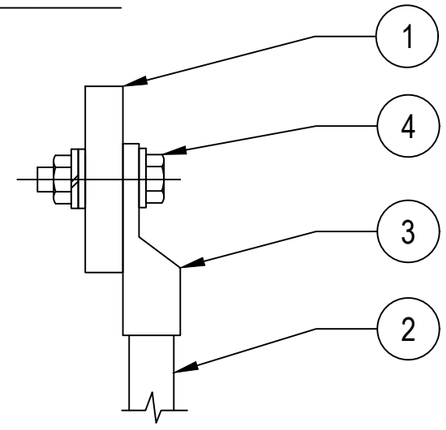
SECTION "Y-Y"





VALID FOR HV/LV SWITCHGEAR

DETAIL "X"



NOTES:

1) FOR SIZE OF THE EARTHING CABLE SEE ALSO EARTHING LAYOUT DRAWINGS OF RESPECTIVE AREAS

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 PANELS/BOARDS IN TECHNICAL ROOM

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	011	02

F.to UNI A3: 420mmx297mm

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

BASE LOAD POWER HUB (BLPH)
PCS CABINETS
GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT

ROSETTI MARINO	
1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED
NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.	
Sign	Date
	22/08/2024

MASTER
COPIA X COLLAUDO FINALE
N° 5529 DATE 4/10/24

NEXT REVISION SHALL BE "ACCEPTED FOR CONSTRUCTION (AFC)"

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
COVER PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 001

REV. 1

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
001	X	X								BASE LOAD POWER HUB (BLPH) COVER PAGE
002	X	X								BASE LOAD POWER HUB (BLPH) INDEX
003	X	X								BASE LOAD POWER HUB (BLPH) DATA SHEET
004	X									BASE LOAD POWER HUB (BLPH) INTERNAL WIRING INFORMATION
005	X	X								BASE LOAD POWER HUB (BLPH) TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS
006	X	X								BASE LOAD POWER HUB (BLPH) EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW
007	X									BASE LOAD POWER HUB (BLPH) EXTERNAL LEFT SIDE & RIGHT SIDE VIEW
008	X	X								BASE LOAD POWER HUB (BLPH) EXTERNAL REAR VIEW
009	X	X								BASE LOAD POWER HUB (BLPH) BASEPLATE DETAILS
010	X	X								BASE LOAD POWER HUB (BLPH) EXTERNAL & INTERNAL TOP VIEW
011	X	X								BASE LOAD POWER HUB (BLPH) EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST
012	X	X								BASE LOAD POWER HUB (BLPH) LIFTING DETAILS
013	X	X								BASE LOAD POWER HUB (BLPH) FRONT DOOR CUT-OUT DETAILS
014	X	X								BASE LOAD POWER HUB (BLPH) FRONT SIDE INTERNAL VIEWS
015	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
016	X									BASE LOAD POWER HUB (BLPH) MANUFACTURER LABEL DETAILS
017	X	X								BASE LOAD POWER HUB (BLPH) SECTION IDENTIFIER NAMEPLATE DETAILS
018	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
019	X									BASE LOAD POWER HUB (BLPH) CERTIFICATION LABEL
020	X	X								BASE LOAD POWER HUB (BLPH) MAIN COMPONENT LIST

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
021	X	X								BASE LOAD POWER HUB (BLPH) MAIN COMPONENT LIST
022	X	X								BASE LOAD POWER HUB (BLPH) MAIN COMPONENT LIST

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE

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0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT INDEX

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 002

REV. 1

A - GENERAL DATA

A1	TYPE	☐ MANUFACTURER STANDARD	■ AUGER	
A2	REFERENCE CODE	■ IEC	☐ IEC NORTH AMERICA SUITABLE (THIRD PARTY CERTIFIED)	
A3	CONTRACTUAL LANGUAGE	■ ENGLISH	☐	
A4	INSTALLATION	SAFE AREA, AIR CONDITIONING CONTROL ROOM/CAB HEAVY INDUSTRY ENVIRONMENT		
A5	OPERATING TEMPERATURE	+5°C TO +45 °C		
A6	OPERATING HUMIDITY	10 TO 93 % RH NOT CONDENSING		
A7	MARSHALLING TERMINAL STRIP	■ WITH	☐ WITHOUT	
A8	TERMINAL STRIP <1>	■ MIRROR OF JUNCTION BOX	☐ NOT MIRROR OF JUNCTION BOX	
A9	SPARE TERMINALS	☐ NO	■ YES, NOT WIRED	☐ YES, JUMPERED TO I.E. OR I.S. BAR
A10	CABLES & CABLE TRAYS	☐ PVC	■ HALOGEN FREE AND LOW SMOKE <1>	
A11	INTRINSICALLY SAFE BARRIERS/ISOLATORS	■ NO	☐ YES	
A12	SURGE ARRESTORS	■ NO	☐ YES, ONLY FOR POWER SUPPLY LINE IN	
A13	POLLUTION DEGREE	■ 2 AS PER IEC60664-1		
A14	STORAGE TEMPERATURE	-20°C TO 50°C UP TO 80% HUMIDITY		
A15	MATERIAL	■ CARBON STEEL	☐ STAINLESS STEEL AISI 304	☐ STAINLESS STEEL AISI 316

B - MECHANICAL DATA

B1	OVERALL DIMENSION	800 mm x 800 mm x 2100 mm (L x D x H) (NOTE B1)		
B2	PROTECTION DEGREE	■ IP 43	☐ IP 55	
B3	STEEL THICKNESS	■ STRUCTURE: 1.5 mm	■ DOORS: 2 mm	
B4	CABLE ENTRY	■ TOP	☐ BOTTOM	
B5	CABLE ENTRY FIXING	☐ REMOVABLE PLATES	☐ CLAMPS	■ MCT <1>
B6	ACCESSIBILITY	■ FRONT ONLY	☐ FRONT / REAR	
B7	LIFTING SYSTEM	■ EYE BOLTS	☐ LIFTING BAR "L" TYPE	
B8	BASE PLINTH	■ SEPARATE PIECES		
B9	DOOR LOCKS	■ KEY LOCKED WITH UNIQUE KEY PER UCP		
B10	APPROXIMATIVE WEIGHT	500 Kg <1>		

NOTE B1 : ALLOWED TOLERANCE FOR PANEL HEIGHT/DEPTH: +/-5mm;
ALLOWED TOLERANCE FOR PANEL STRUCTURES AND SUPPORTS: +/-2mm;
ALLOWED TOLERANCE FOR TOTAL PANEL LENGTH : +/-2% OF TOTAL PANEL LENGTH;
(IN ANY CASE, MAXIMUM LENGTH TOLERANCE ALLOWED FOR PANEL WITH 2 OR MORE COLUMNS IS +/-50mm)
REMOVABLE BOTTOM PLATES SHALL BE PROVIDED <1>

C - PAINTING

C1	REFERENCE SPECIFICATIONS		■ AUGER STANDARD	☐ JOB SPECIFIC	☐ MFR STANDARD
C2	EXTERIOR	TYPE	☐ SMOOTH	■ PEEL TYPE	
		COLOUR	■ RAL 7035	☐ RAL 7032	☐ RAL 7030
C3	BASE PLINTH		■ AS EXTERIOR		
C4	INTERIOR		■ GALVANISED (ALUZINC)		
C5	INTERNAL MOUNTING PLATES		■ GALVANISED (ALUZINC)		

D - ELECTRICAL DATA

.	SUPPLY LINE	UPS LINE 1	UPS LINE 2	NON-UPS LINE 3
D1	SUPPLY VOLTAGE	230Vac	230Vac	230Vac
D2	FREQUENCY	50Hz	50Hz	50Hz
D3	LOAD	1,2kW <1>	1,2kW <1>	0,6kW <1>
D4	INTERNAL LIGHTING WITH DOOR LIMIT SWITCH OPERATION	■ LED (230Vac - 50Hz) <1>		
D5	ANTI CONDENSING HEATER WITH TEMPERATURE THERMOSTAT	■ YES		
D6	VENTILATION FAN WITH FLOW SWITCH AND TEMPERATURE THERMOSTAT	■ YES		
D7	SERVICE SOCKET	■ YES		

E - NAMEPLATES

.	.	EXTERNAL PANEL	INTERNAL PANEL
E1	MATERIAL	■ TRAFFOLYTE	■ TAPE
E2	BACKGROUND COLOUR	■ WHITE	■ WHITE
E3	TEXT COLOUR	■ BLACK	■ BLACK
E4	FIXING	■ WITH SCREWS	■ SELF-ADHESIVE
E5	WARNING LABELS	■ SELF-ADHESIVE	■ SELF-ADHESIVE
E6	LANGUAGE	■ ENGLISH	■ ENGLISH

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT DATA SHEET

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 003

REV. 1

A - PANEL CONTROL CABLES

CABLE FUNCTION	CONDUCTOR SIZE	CONDUCTOR COLORS	OUTER SHEATH COLOR NON Intrinsically Safe Circuit	OUTER SHEATH COLOR Intrinsically Safe Circuit
BIPOLAR ANALOG SIGNALS (NOTE A1)	(2x0.5) + Shield	BLACK (BK) - WHITE (WH)	GREY (GR)	BLUE (BL)
TRIPOLAR ANALOG SIGNALS (NOTE A1)	(3x0.5) + Shield	BLACK (BK) - WHITE (WH) RED (RD)	GREY (GR)	BLUE (BL)

NOTE A1 : FOR THE ABOVE MENTIONED ANALOG SIGNALS, PAIRS OR TRIADS SHIELDED SPIRAL CABLES SHALL BE USED, WITH THE EXCEPTION OF THOSE "SINK" INPUTS OR OUTPUTS OF THE CONTROLLER WHERE AN EXTERNAL FEED IS NEEDED. ONLY FOR THIS SPECIFIC CASE, SINGLE WIRE CABLE SHALL BE USED.

C-GROUNDING CONNECTIONS

EARTH TYPE	CONDUCTOR SIZE Cable size shall not exceed max allowable section as per device's manufacturer recommendation	WIRE COLOR	ID RING COLOR
P.E. (PROTECTIVE EARTH)	(1x2.5) - (1x6) - (1x16) - (1x25)	YELLOW/GREEN (YG)	-
I.E. (INSTRUMENT EARTH)	(1x2.5) - (1x6) - (1x16) - (1x25)	GREEN (GN)	-
I.S.E. (INTRINSICALLY SAFE EARTH)	(1x2.5) - (1x6) - (1x16) - (1x25)	WHITE (WH)	-

B -PANEL SINGLE-CORE CABLES

SINGLE-CORE CABLE FUNCTION	CONDUCTOR SIZE Cable size shall not exceed max allowable section as per device's manufacturer recommendation	WIRE COLOR NON Intrinsically Safe Circuit	WIRE COLOR Intrinsically Safe Circuit
AC LINE	(1x2.5) - (1x4) - (1x6)	BROWN (BR)	N/A
AC NEUTRAL	(1x2.5) - (1x4) - (1x6)	LIGHT BLUE (LB)	N/A
DC 24Vdc (POSITIVE)	(1x2.5) - (1x4) - (1x6)	RED (RD)	N/A
DC 24Vdc (NEGATIVE)	(1x2.5) - (1x4) - (1x6)	BLUE (BU)	N/A
DIGITAL SIGNALS (POSITIVE)	(1x0.5)	BLACK (BK)	N/A
DIGITAL SIGNALS (NEGATIVE)	(1x0.5)	WHITE (WH)	N/A
ANALOG SIGNALS (2 WIRE POSITIVE)	(1x0.5)	BLACK (BK)	N/A
ANALOG SIGNALS (2 WIRE NEGATIVE)	(1x0.5)	WHITE (WH)	N/A
ANALOG SIGNALS (3 WIRE POSITIVE)	(1x0.5)	BLACK (BK)	N/A
ANALOG SIGNALS (3 WIRE NEGATIVE)	(1x0.5)	RED (RD)	N/A
ANALOG SIGNALS (3 WIRE SIGNAL)	(1x0.5)	WHITE (WH)	N/A

GENERAL NOTE : MINIMUM SECTION 1.5 mm² FOR CPU PANEL INTERNAL LAMPS, LIMIT SWITCHES, FANS, THERMOSTATS, ISOLATORS POWER SUPPLY

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CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
INTERNAL WIRING INFORMATION

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

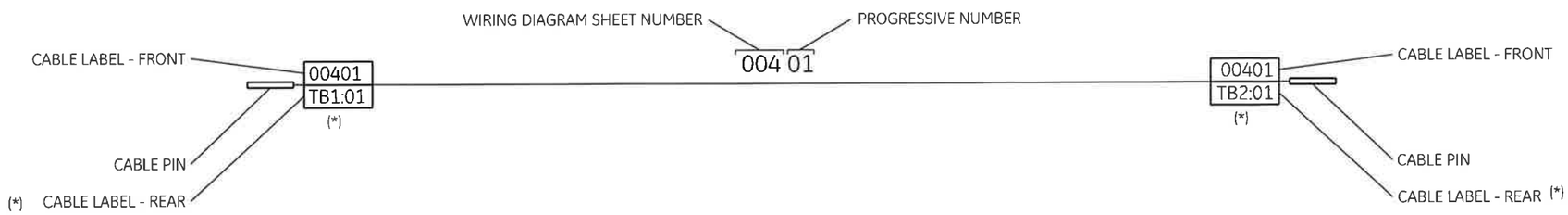
SHEET 004

REV. 1

COLOR ACRONYMS LIST :

RD	-	RED
BK	-	BLACK
BL	-	BLUE
LB	-	LIGHT BLUE
GR	-	GREY
GN	-	GREEN
YE	-	YELLOW
Y/G	-	YELLOW/GREEN
BR	-	BROWN
WH	-	WHITE

TYPICAL WIRE MARKING



EARTH CONNECTION RESUME TABLE:

		CABINET
	P.E. EARTH	
<1>	I.E. EARTH	
	I.S.E. EARTH	

EARTH ACRONYMS LEGEND :

P.E. (GND)	-	PROTECTION EARTH (GROUND, FRAME CHASSIS)
I.E. (F.E.)	-	INSTRUMENT EARTH (NOISELESS), FUNCTIONAL EARTH
I.S. (I.S.E.)	-	INTRINSICALLY SAFE EARTH

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YOKOGAWA ◆ PROJECT Nr. E36672C00
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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS

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

SCALE : 1

A3

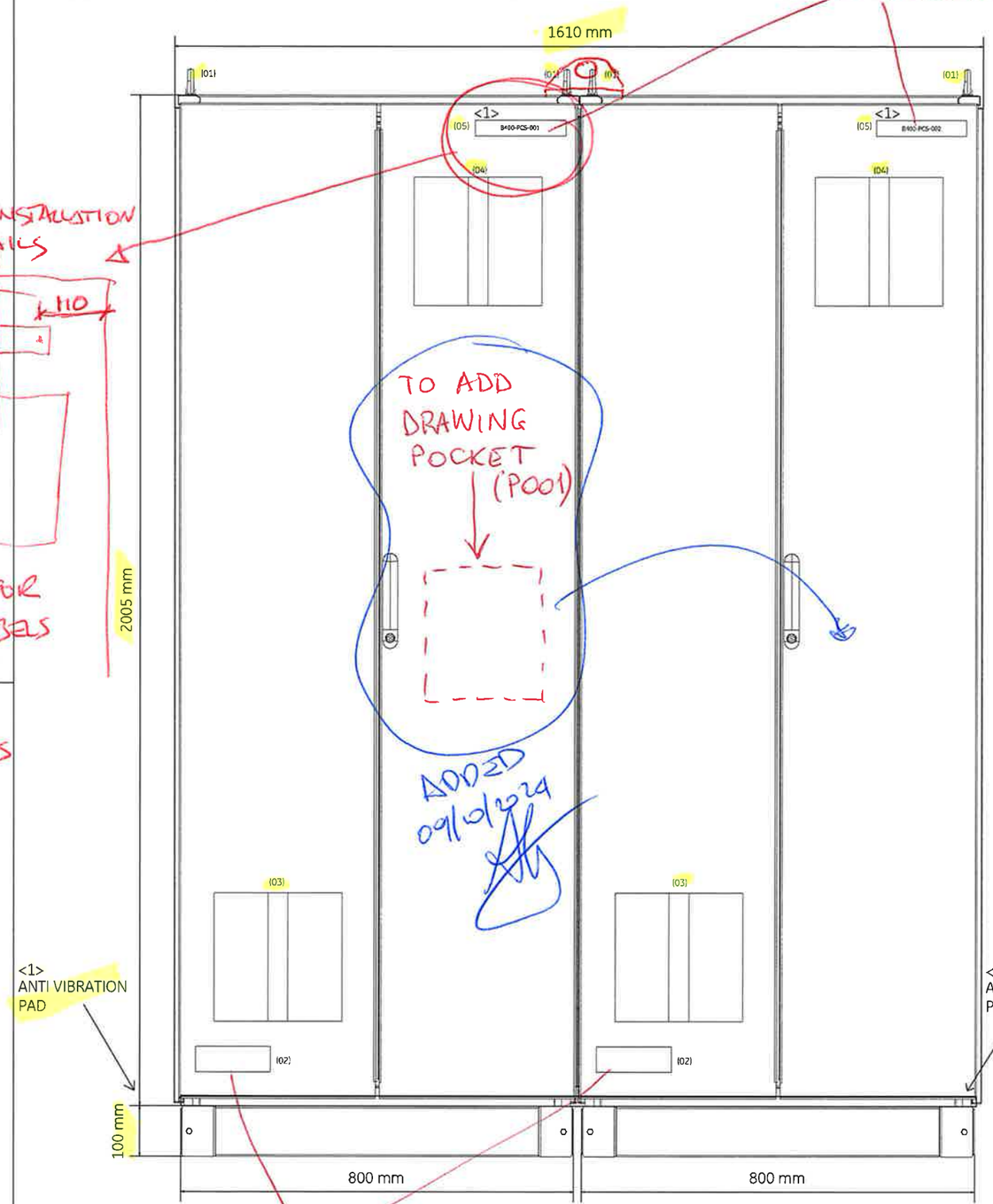
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SHEET 005

REV. 1

PCS PANEL - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW

MISSING (P001)



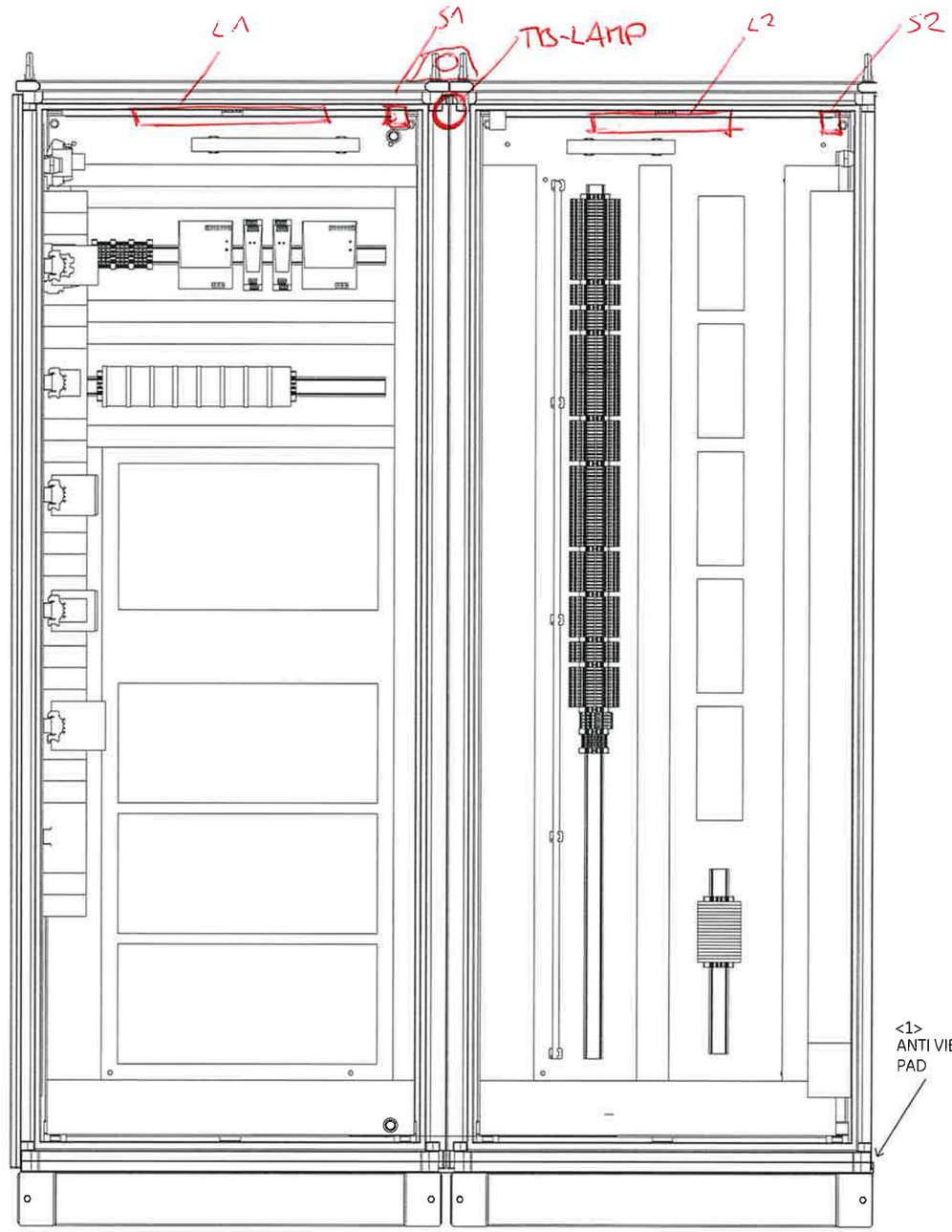
LABEL INSTALLATION DETAILS



VALID FOR ALL LABELS
- PCS
- FCS
- SIS
- ETCS

TO ADD DRAWING POCKET (P001)

ADDED 09/10/2024



DRAWING SCALE 1:10

MISSING (P001)

1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW

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

SCALE : 1

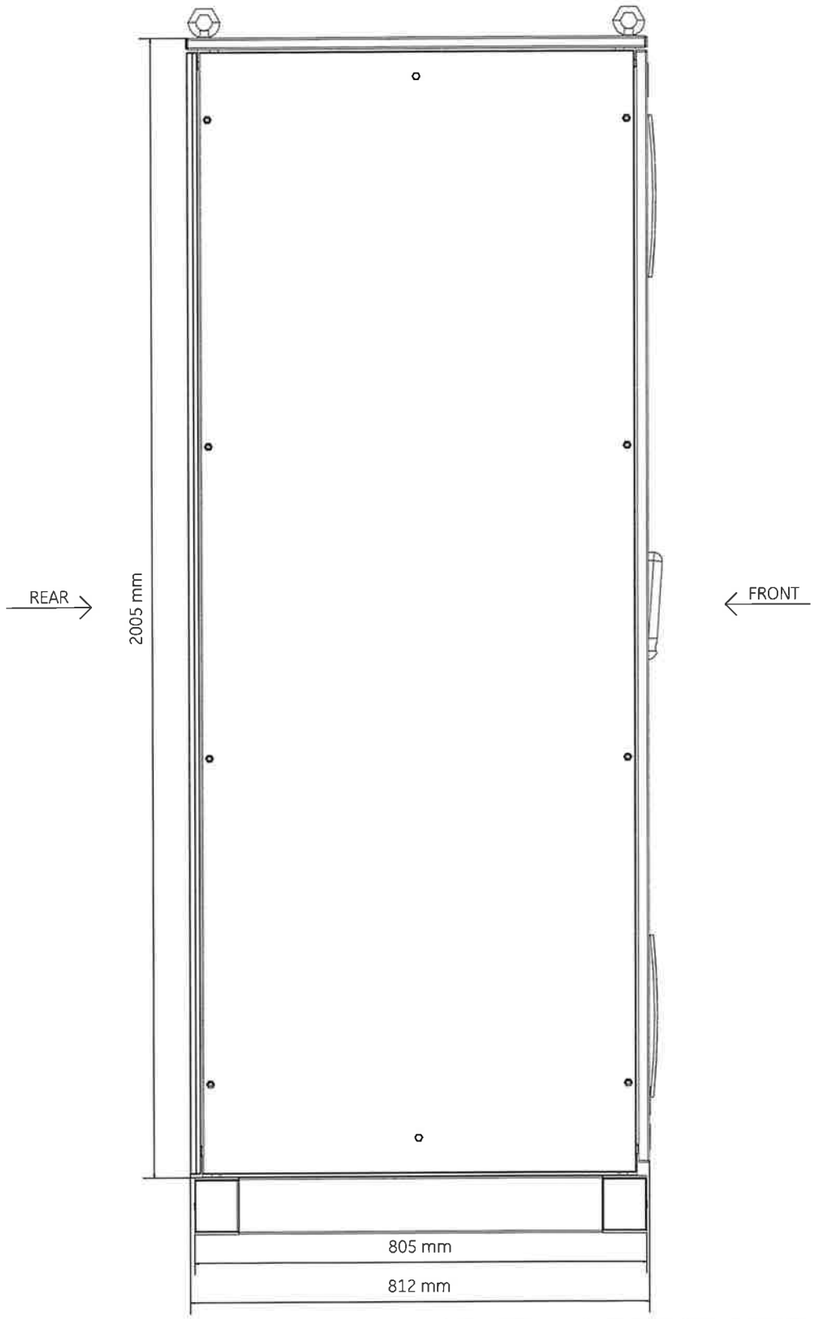
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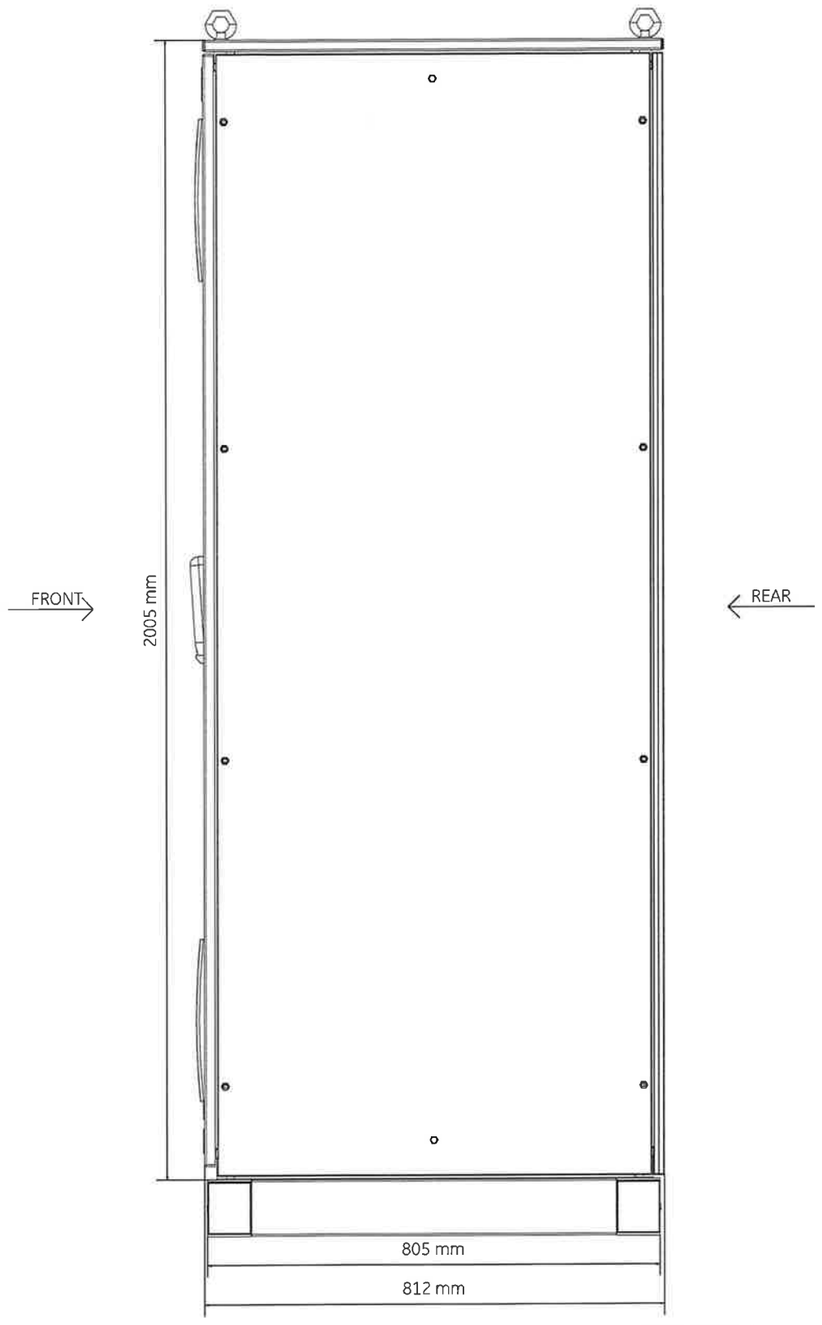
DRAWING NO. 1724000594-IN-DA-00009

SHEET 006

REV. 1

PCS PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL LEFT SIDE & RIGHT SIDE VIEW

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

SCALE : 1

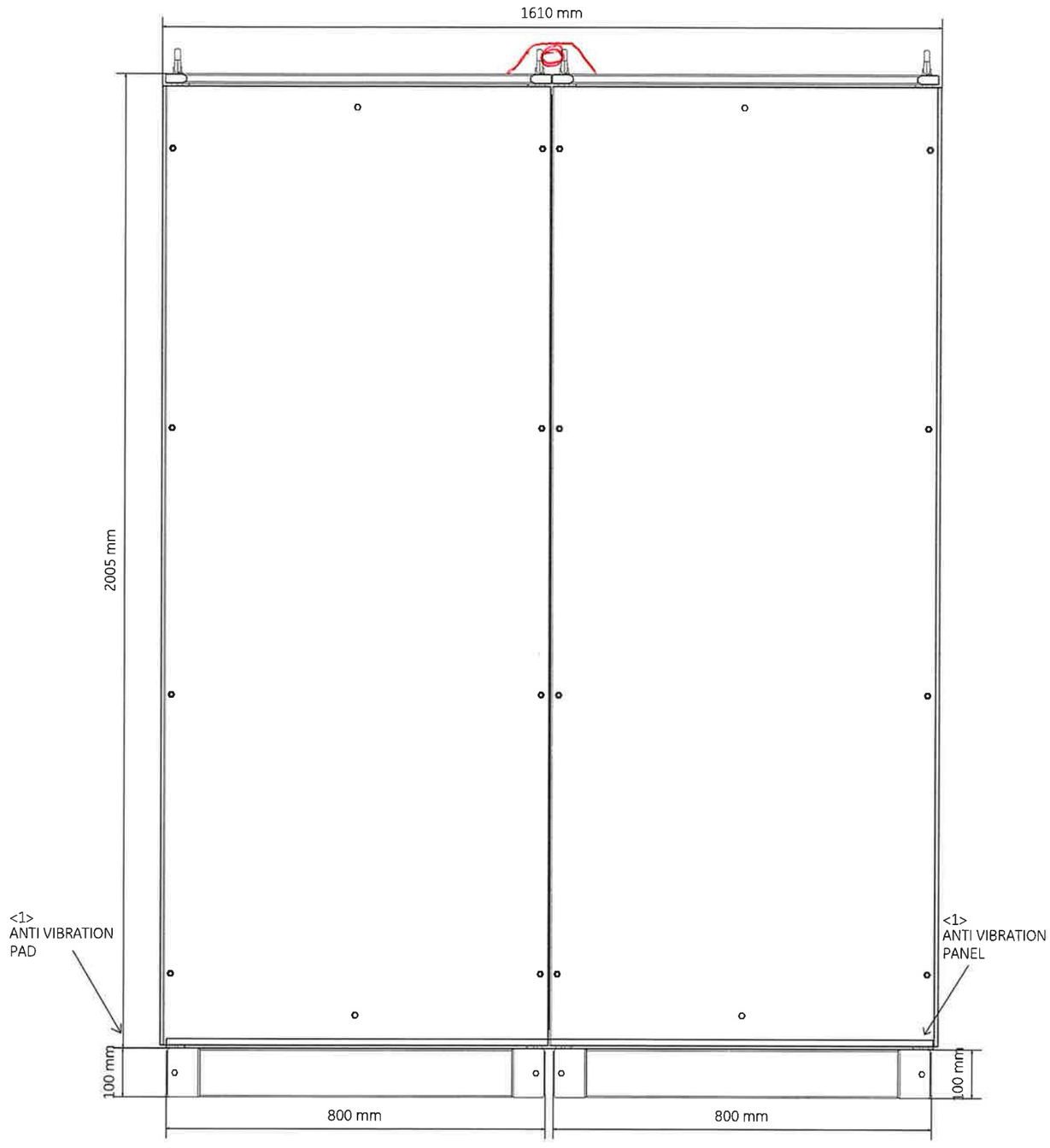
A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 007

REV. 1

PCS PANEL - EXTERNAL REAR VIEW



DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL REAR VIEW

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

SCALE : 1

A3

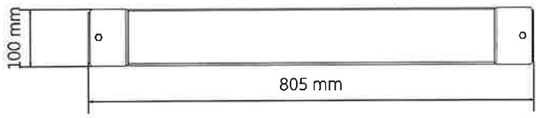
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SHEET 008

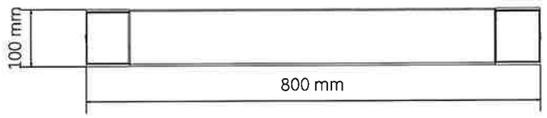
REV. 1

PCS PANEL - BASEPLATE DETAILS

BASEPLATE SIDE VIEW

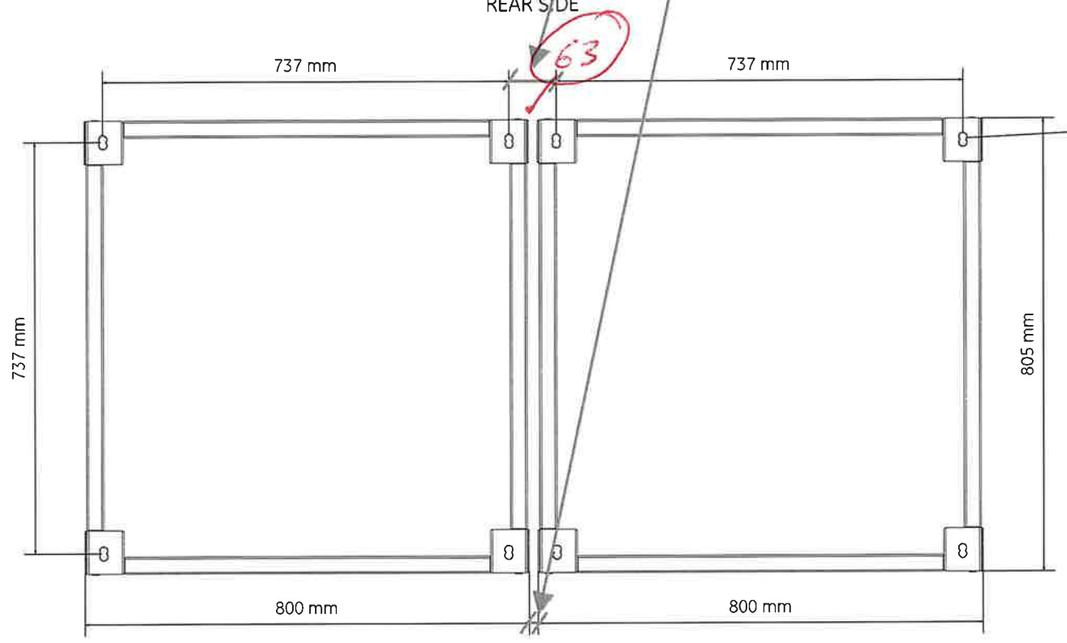


BASEPLATE FRONT VIEW

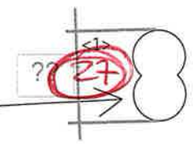


THESE QUOTES MUST BE SPECIFIED

<1>
BASEPLATE BOTTOM VIEW
REAR SIDE



FRONT SIDE



DETAIL OF FIXING HOLE:
Ø 16mm

NOTE:
TO BE CONSIDERED FOR EACH COLUMN
DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
BASEPLATE DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

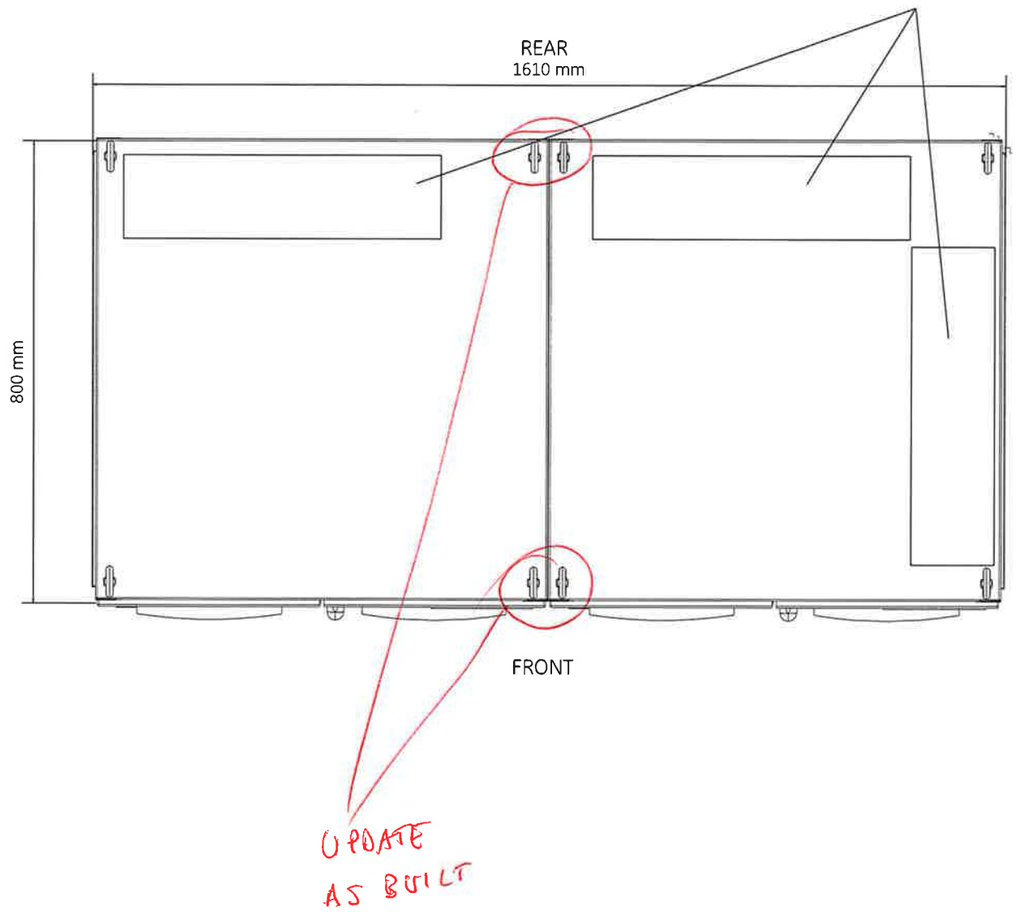
SHEET 009

REV. 1

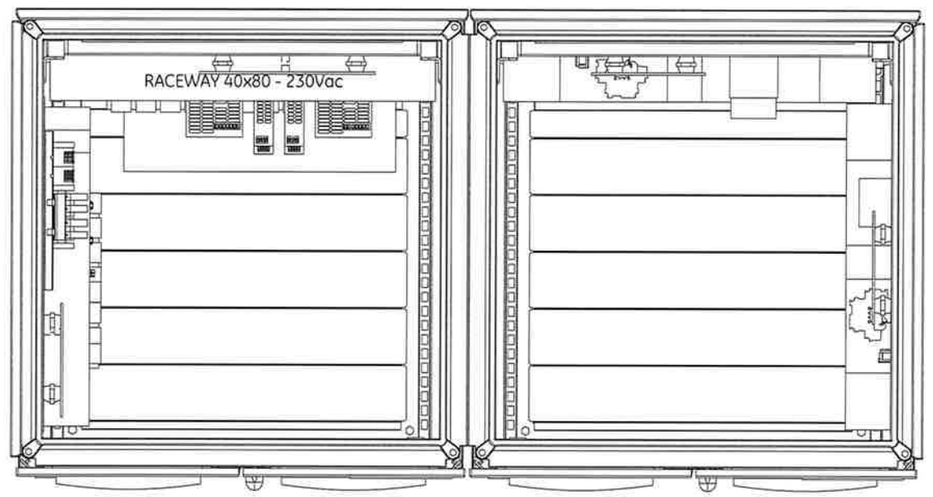
PCS PANEL - EXTERNAL & INTERNAL TOP VIEW

EXTERNAL TOP VIEW

CABLE ENTRY



INTERNAL TOP VIEW



DRAWING SCALE 1:10
<1>

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

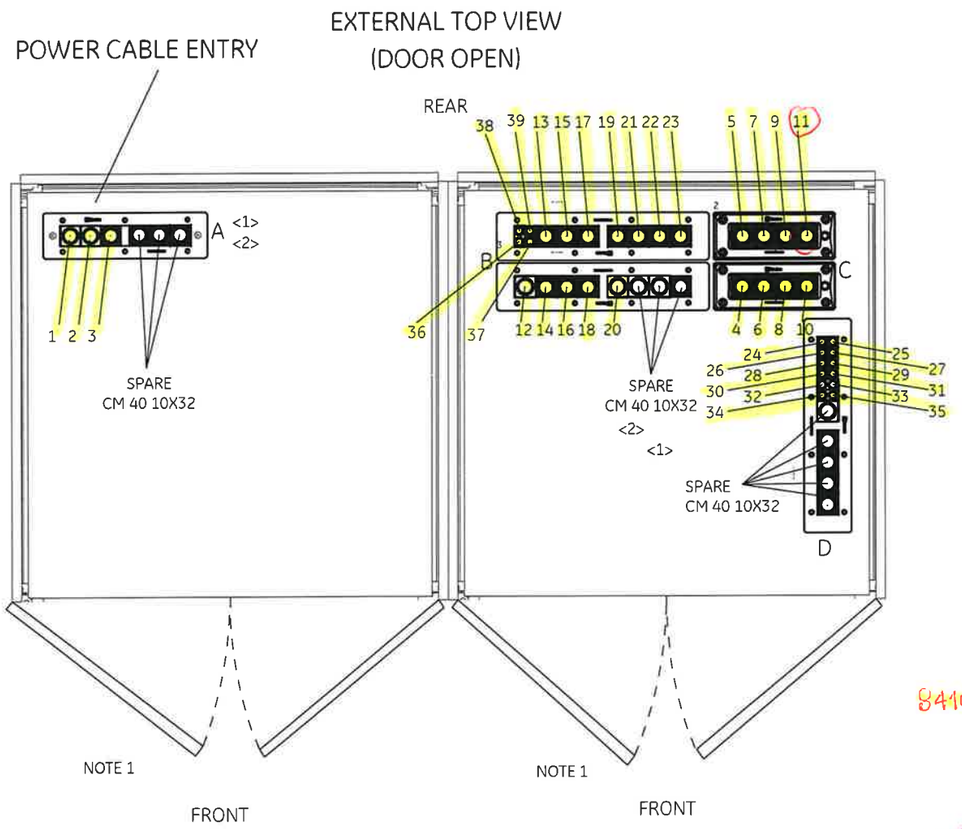
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TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL & INTERNAL TOP VIEW

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

A3 | DRAWING NO. 1724000594-IN-DA-00009 | SHEET 010 | REV. 1

PCS PANEL - EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST



<1> <2>

CABLE TAG	CABLE TYPE	OUTER CABLE DIAMETER (mm)	MCT SIZE	LOCATION	POSITION	
00-JE-11001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	C	4	EM 40 10X32
00-JE-11001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	C	5	EM 40 10X32
00-JE-11002/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	C	6	EM 40 10X32
00-JE-11003_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	C	7	EM 40 10X32
00-JE-11003_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	C	8	EM 40 10X32
00-JE-11004/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	C	9	EM 40 10X32
00-JE-11005/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	19.4	40x40	C	10	EM 40 10X32
C-63-PT-003/B400-PCS-002	1x2x0.75mm2,ShT+ARM,F Ret,GREY,NIS	9.5	40x40	C	11	EM 40 10X32
00-JE-12001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	B	12	CM 40
00-JE-12001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	B	13	CM 40
00-JE-12002/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	19.4	40x40	B	14	CM 40 10X32
00-JE-12003/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	19.4	40x40	B	15	CM 40 10X32
00-JE-12004_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	B	16	CM 40
00-JE-12004_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	B	17	CM 40
00-JE-12005/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	B	18	CM 40
00-JE-12006_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	B	19	CM 40
00-JE-12006_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	24.8	40x40	B	20	CM 40
00-JE-13001/B400-PCS-002	24x2.5mm2,ShT+ARM,F Ret,GREY,NIS	27.8	40x40	B	21	CM 40
00-JE-13002/B400-PCS-002	24x2.5mm2,ShT+ARM,F Ret,GREY,NIS	27.8	40x40	B	22	CM 40 10X32
00-JE-13003/B400-PCS-002	12x2.5mm2,ShT+ARM,F Ret,GREY,NIS	20.8	40x40	B	23	CM 40 10X32
C-B100-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F Ret,GREY,NIS	9.5	20x40	D	24	CM 20W40
C-B100-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F Ret,GREY,NIS	9.5	20x40	D	25	CM 20W40
C-B100-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	15.2	20x40	D	26	CM 20W40
C-B200-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F Ret,GREY,NIS	9.5	20x40	D	27	CM 20W40
C-B200-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F Ret,GREY,NIS	9.5	20x40	D	28	CM 20W40
C-B200-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	15.2	20x40	D	29	CM 20W40
C-B300-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F Ret,GREY,NIS	9.5	20x40	D	30	CM 20W40
C-B300-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F Ret,GREY,NIS	9.5	20x40	D	31	CM 20W40
C-B300-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	15.2	20x40	D	32	CM 20W40
C-B400-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F Ret,GREY,NIS	9.5	20x40	D	33	CM 20W40
C-B400-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F Ret,GREY,NIS	9.5	20x40	D	34	CM 20W40
C-B400-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F Ret,GREY,NIS	15.2	20x40	D	35	CM 20W40
84303-CEL	1x3x2.5mm2,ARM,ORANGE,NIS	12-15	20x40	A	1	CM 40 10X32
84304-CEL	1x3x2.5mm2,ARM,ORANGE,NIS	12-15	20x40	A	2	CM 40 10X32
~~84305-CEL~~	1x3x2.5mm2,ARM,GRAY,NIS	12-15	20x40	A	3	CM 40 10X32
B400-NET1-B1	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F Ret, GREY, NIS	10.7	20x40	B	36	CM 20W40
B400-NET1-A1	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F Ret, GREY, NIS	10.7	20x40	B	37	CM 20W40
B400-NET1-A2	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F Ret, GREY, NIS	10.7	20x40	B	38	CM 20W40
B400-NET1-B2	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F Ret, GREY, NIS	10.7	20x40	B	39	CM 20W40

84105-CEL

ADD CABLE
FOR HARWIRED DIAGNOSTIC SIGNALS FROM B400-NET/SRV-001

NOTES :

NOTE 1: DOORS LOCK AT 90°

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	23.08.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00 DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST

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

SCALE : 1

A3

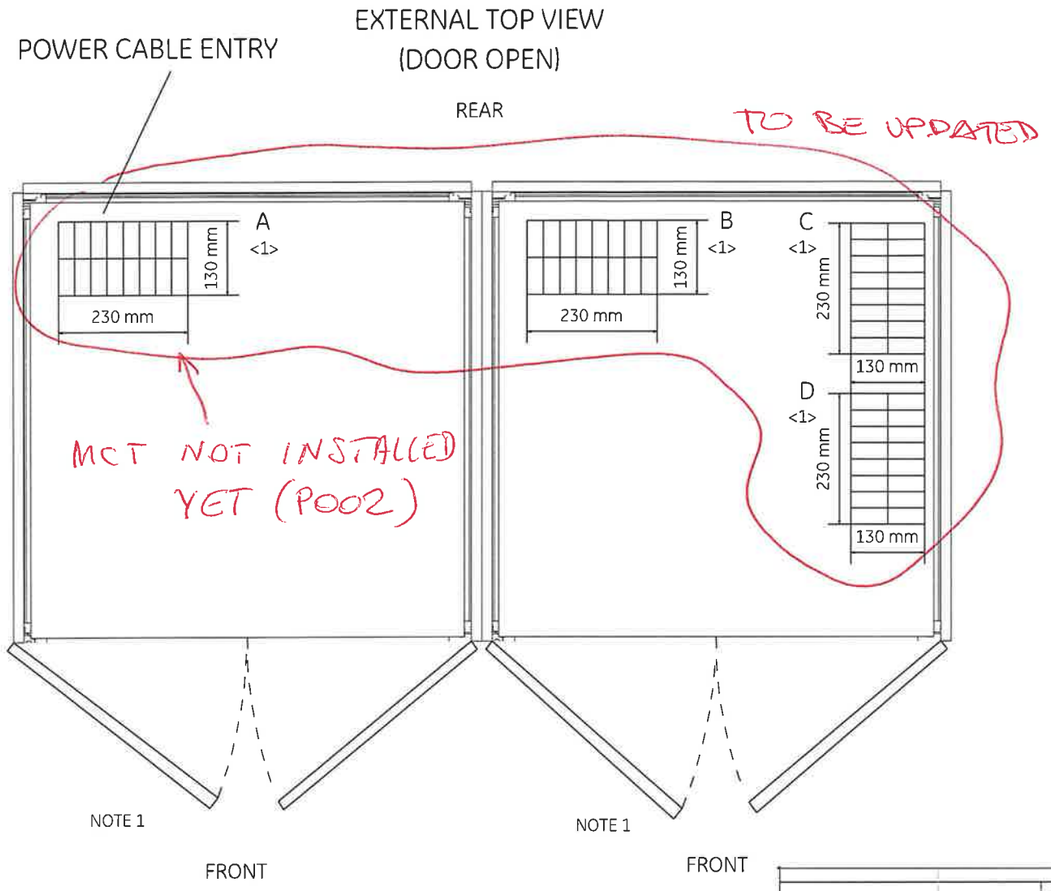
DRAWING NO. 1724000594-IN-DA-00009

SHEET 011

REV. 2

PCS PANEL - EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST

THE DRAWING SHALL SHOW THE EXACT POSITION OF EACH CABLE INSIDE EACH MCT FRAME.
SPARE "PLUGGED" ENTRIES SHALL ALSO BE PROVIDED.



<1>

CABLE TAG	CABLE TYPE	OUTER CABLE DIAMETER (mm)	MCT SIZE	POSITION
00-JE-11001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11002/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11003_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11003_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11004/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11005/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	30x30	C
C-63-PT-003/B400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	C
00-JE-12001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12002/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	30x30	B
00-JE-12003/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	30x30	B
00-JE-12004_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12004_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12005/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12006_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12006_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-13001/B400-PCS-002	24x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	27.8	40x40	B
00-JE-13002/B400-PCS-002	24x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	27.8	40x40	B
00-JE-13003/B400-PCS-002	12x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	20.8	30x30	B
C-B100-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B100-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B100-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	30x30	D
C-B200-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B200-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B200-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	30x30	D
C-B300-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B300-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B300-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	30x30	D
C-B400-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B400-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B400-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	30x30	D

please add power and control cables in MCT "A":

CABLE TYPE							CABLE ROUTE			
							FROM		TO	
TAG NUMBER	FORMATION mm²	External Cable Colour	Core Colour	Fire Behaviour	Armour (WE/SW/AWA/STA) (Z1)	RATED VOLTAGE V0	ITEM Tag	DESCRIPTION	ITEM Tag	DESCRIPTION
64303-CEL	3G2.5	Orange	BN,BU,Y/G	LSZH, Fire Resistant	Armoured	230	DP-200F3	AC UPS - FAS DB	B400-PCS-001	PCS -Controller and I/O Cabinet - Line A
64304-CEL	3G2.5	Orange	BN,BU,Y/G	LSZH, Fire Resistant	Armoured	230	DP-200F3	AC UPS - FAS DB	B400-PCS-001	PCS -Controller and I/O Cabinet - Line B
[illegible]	3G2.5	Grey	BN,BU,Y/G	LSZH, Flame Retardant	Unarmoured	230	DP-200N1	Lighting & Small Power DB BoP	B400-PCS-001	PCS -Controller and I/O Cabinet - Auxiliary
[illegible]	[illegible]	Orange	[illegible]	LSZH, Fire Resistant	Armoured	24V DC	NC-200F2	[illegible]	B400-PCS-001	PCS

DELETED
09/11/2024

NETWORK CABLES WMET/IP TO BE ADDED (Nr. 4 ETHERNET CABLES)
(B400-NET1-A1 / A2 / B1 / B2)

NOTES :

NOTE 1: DOORS LOCK AT 90°

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

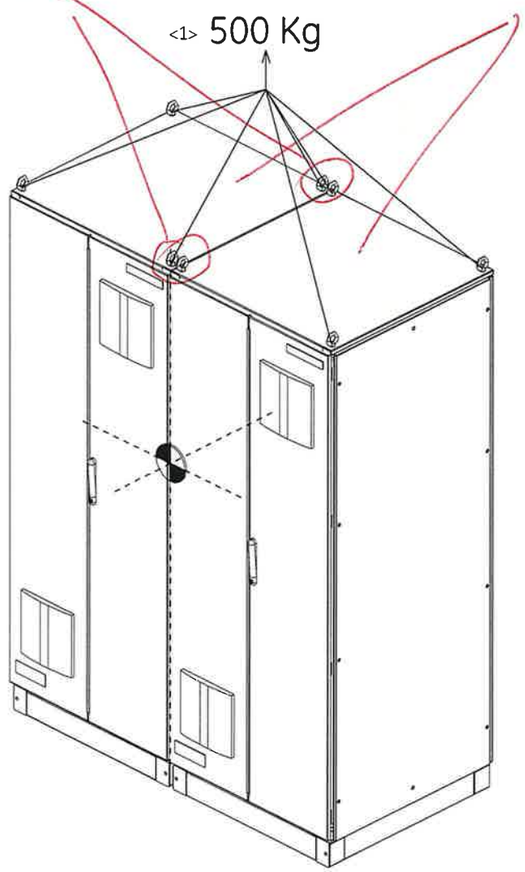
SHEET 011

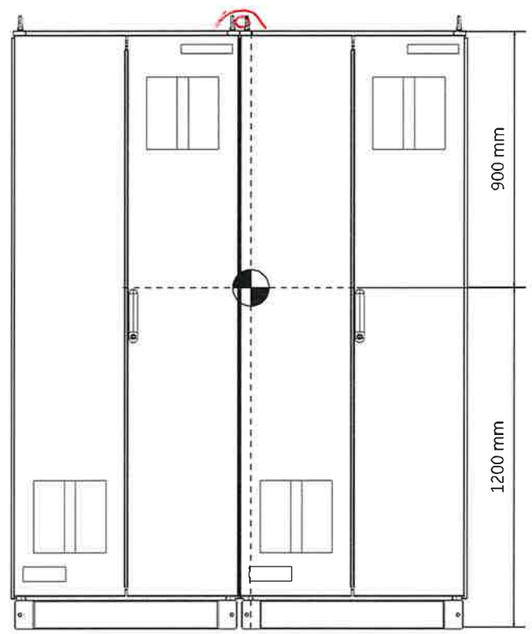
REV. 1

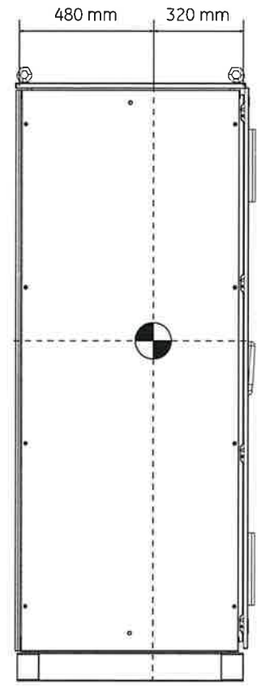
PCS PANEL - LIFTING DETAILS

NOT INSTALLED YET (P002)

TOP ROOFS NOT INSTALLED YET (P002)







= CENTER OF GRAVITY

DRAWING SCALE 1:20
ALL QUOTES SHOWN ARE APPROXIMATE VALUE

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
LIFTING DETAILS

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

SCALE : 1

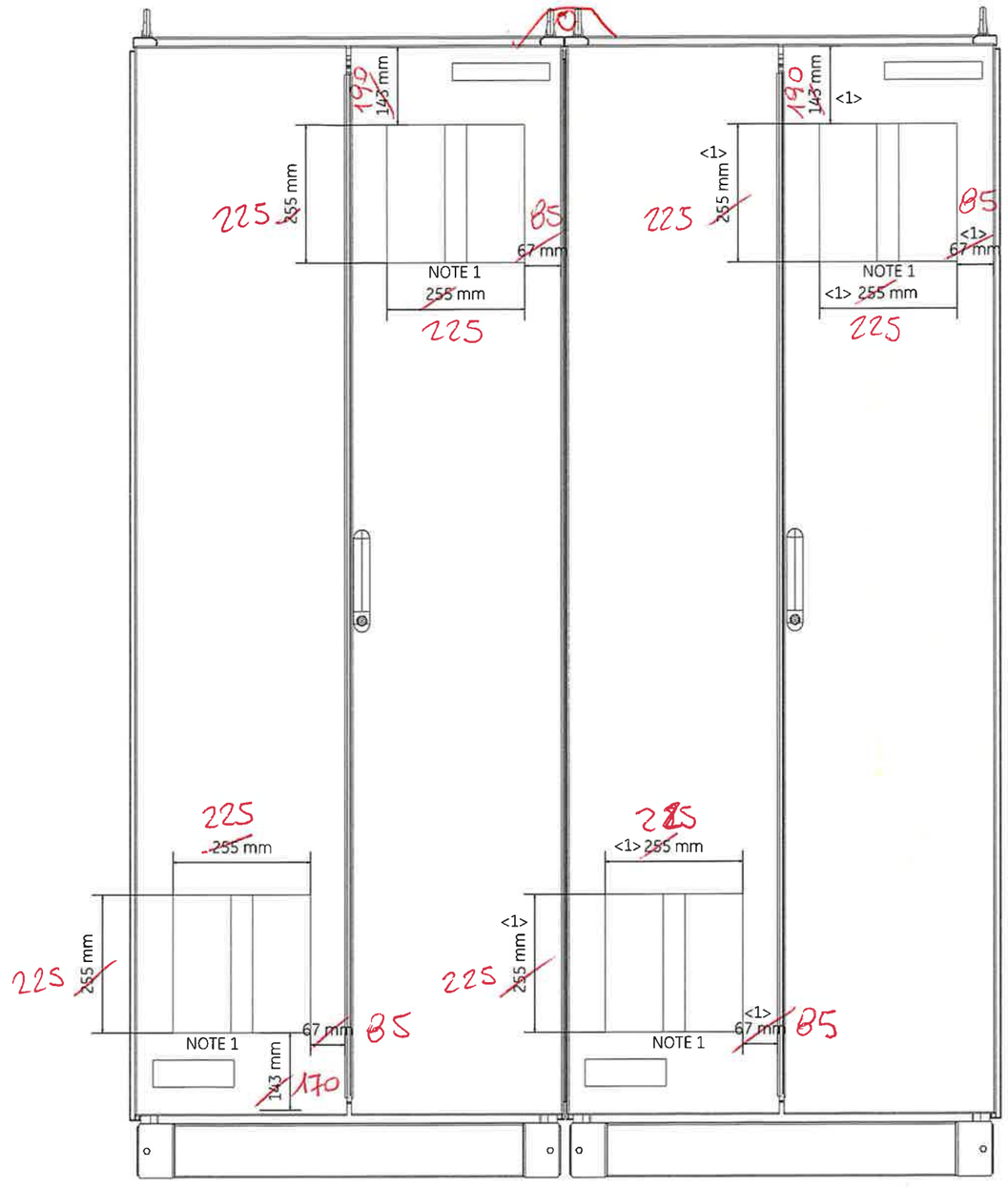
A3

DRAWING NO.
1724000594-IN-DA-00009

SHEET 012

REV. 1

PCS PANEL - FRONT DOOR CUT-OUT DETAILS



NOTE 1 : CUT-OUT FOR AIR VENTILATION FILTER

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
FRONT DOOR CUT-OUT DETAILS

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DA-00009

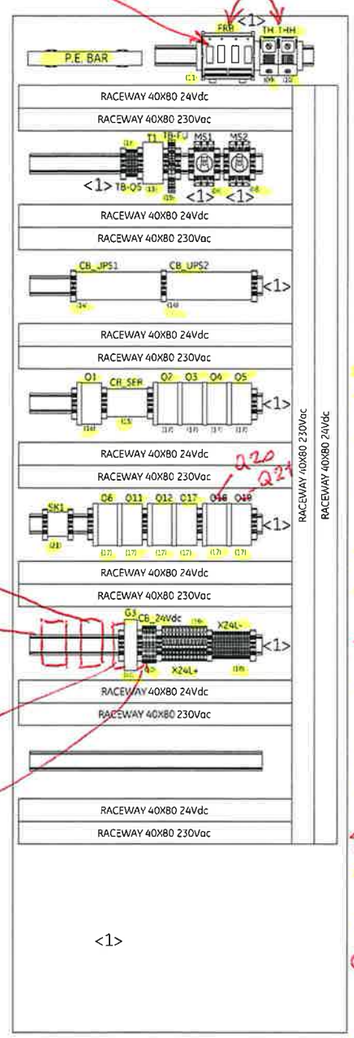
SHEET 013

REV. 1

PCS PANEL - FRONT SIDE INTERNAL VIEWS

LABELS OF RELAYS MISSING (P006)

LEFT SIDE



Q19
Q18
G4
TO ADD "TB-D"

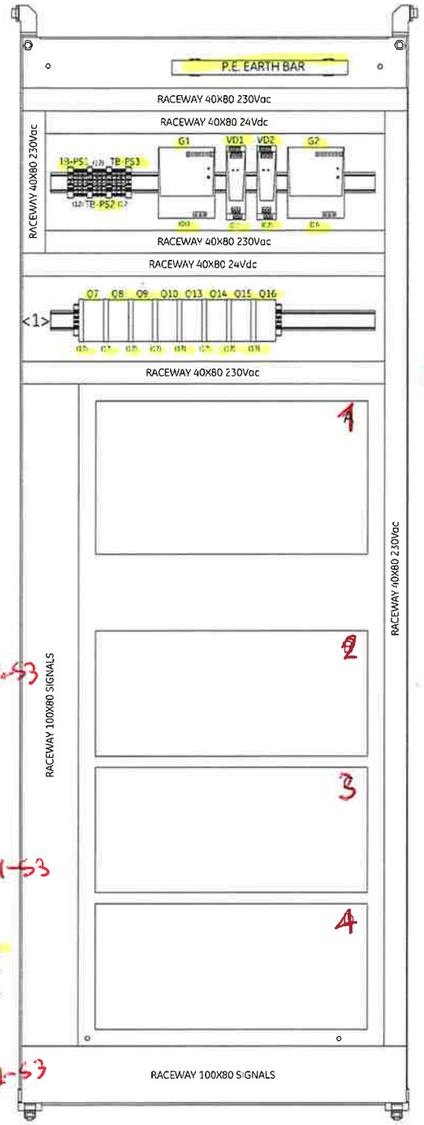
DEVICE "1"
(22) -AFV30D-A41262
(23) -N: 4: AAI143-H53
(29) -N: 2: ADV151-P63 <1>
(24) -N: 2: EC401-51
(25) -N: 2: CP471-01
(26) -N: 2: PW484-53 2

DEVICE "2"
(27) -ANB10D-426/CU2N
(23) -N: 2: AAI143-H53
(28) -N: 2: AAI543-H61 <1>
(29) -N: 2: ADV151-P63 <1>
-N: 2: SPARE <1>
(24) -N: 2: EC401-51 SB401-53
(26) -N: 2: PW484-53 2

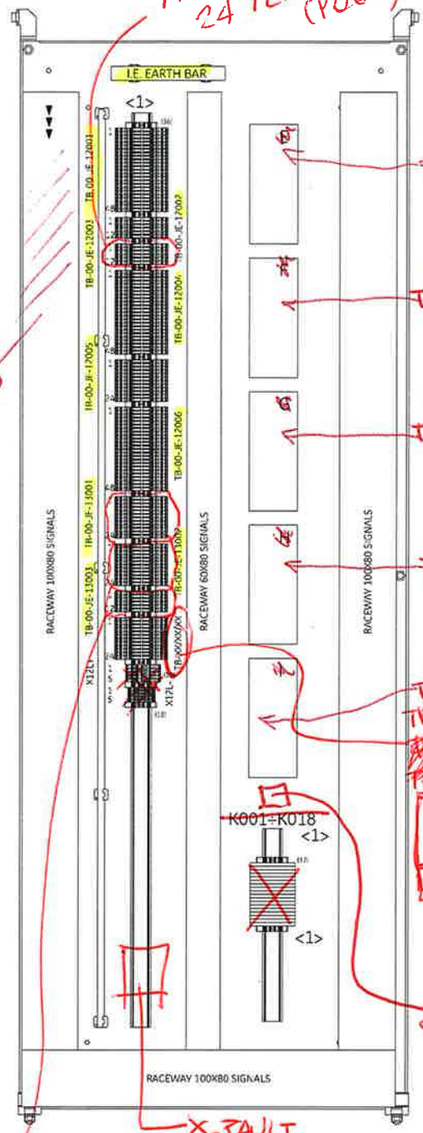
DEVICE "3"
(27) -ANB10D-426/CU2N
(23) -N: 2: AAI143-H53 <1>
(28) -N: 2: AAI543-H61 <1>
(29) -N: 2: ADV151-P63 <1>
-N: 2: SPARE <1>
(24) -N: 2: EC401-51 SB401-53
(26) -N: 2: PW484-53 2

DEVICE "4"
(30) -ANB10D-426/CU2T <1>
(32) -N: 1: ALE111-S51 <1>
(33) -N: 1: A2LP131-S01 <1>
-N: 2: SPARE <1>
(29) -N: 2: ADV151-P63 <1>
(31) -N: 2: ADV551-P63
(24) -N: 2: EC401-51 SB401-53
(26) -N: 2: PW484-53 2

FRONT PLATE



MUST BE 24 TERMINALS (P003)



(*)

DEVICE "E"
(34) A1BD5D-06
TB-01-05

DEVICE "F"
(34) A1BD5D-06
TB-02-05

DEVICE "G"
(34) A1BD5D-06
TB-03-05

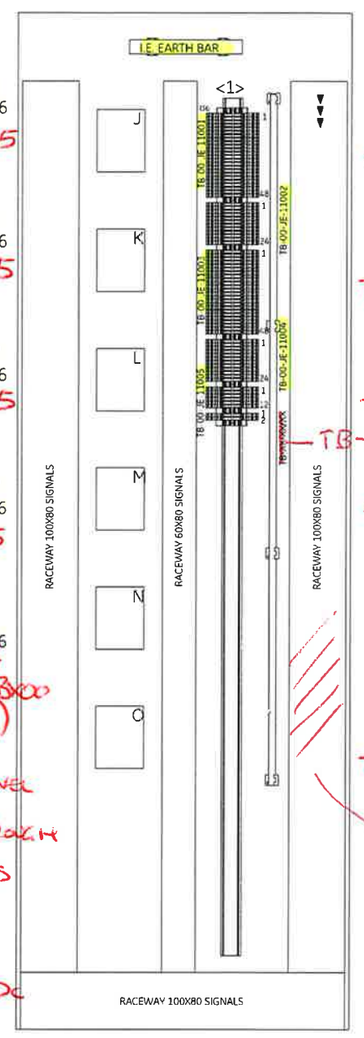
DEVICE "H"
(34) A1BD5D-06
TB-04-05

DEVICE "I"
(34) A1BD5D-06
TB-04-07
TB-00-JE-B000
(32)
3 DUAL LEVEL
1 FUSED
1 PASSTHROUGH
4 SPARES

X_FAULT
(12 PASSTHROUGH)

SHOW FUSED TERMINALS

RIGHT SIDE



DEVICE "J"
(35) A1BA4D-06
TB-01-01

DEVICE "K"
(35) A1BA4D-06
TB-01-03

DEVICE "L"
(35) A1BA4D-06
TB-02-01

TB-C-63-PT-903

DEVICE "M"
(35) A1BA4D-06
TB-02-03

DEVICE "N"
(35) A1BA4D-06
TB-03-01

DEVICE "O"
(35) A1BA4D-06
TB-03-03

(*)

(*) USE A DIFFERENT PATTERN TO IDENTIFY FIELD CABLES RACEWAYS

= CABLE ENTRY

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
FRONT SIDE INTERNAL VIEWS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 014

REV. 1

SHEET LEFT INTENTIONALLY BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DA-00009

SHEET 015

REV. 1

TYPICAL 01



TYPICAL 01

MANUFACTURER LABEL ITEM (02)

MATERIAL	:	ALUMINIUM
DIMENSION	:	150mm x 50mm (lxh)
BACKGROUND COLOUR	:	ALUMINIUM
TEXT COLOUR	:	BLACK & GREEN
FIXING	:	BY STAINLESS STEEL SCREWS

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
MANUFACTURER LABEL DETAILS

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

A3 | DRAWING NO. 1724000594-IN-DA-00009 | SHEET 016 | REV. 1

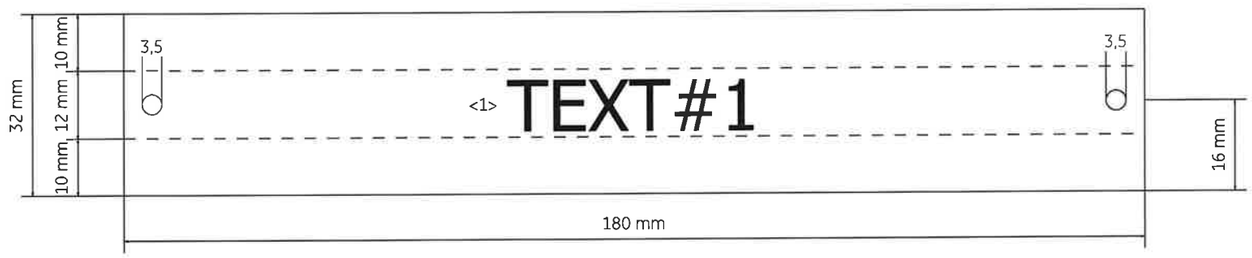
PCS PANEL - SECTION IDENTIFIER NAMEPLATE DETAILS

TYPICAL 02

LABEL FOR SECTION IDENTIFIER ITEM (05)

MATERIAL	:	TRAFOLYTE
DIMENSION	:	180mm x 32mm (lxh)
BACKGROUND COLOUR	:	TRAFOLYTE
TEXT COLOUR	:	BLACK
TEXT HEIGHT	:	12 mm
TEXT FONT	:	ARIAL
FIXING	:	BY STAINLESS STEEL SCREWS

TYPICAL 02



<1>

CABINET	TEXT#1
PCS SYSTEM CABINET	B400-PCS-001
PCS MARSHALLING CABINET	B400-PCS-002

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

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PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
SECTION IDENTIFIER NAMEPLATE DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 017

REV. 1

SHEET LEFT INTENTIONALLY BLANK

DRAWING SCALE 1:1

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 018

REV. 1

A B C D E F G H J K

CERTIFICATION LABELS DETAILS

TYPICAL 05

LABEL FOR ITEM IDENTIFIER : ITEM (38)

MATERIAL	:	TRAFFOLYTE
DIMENSION	:	150mm x 150mm (lxh)
BACKGROUND COLOUR	:	WHITE
TEXT COLOUR	:	BLACK
TEXT HEIGHT	:	4 mm
TEXT FONT	:	ARIAL
FIXING	:	SS316L SCREWS OR RIVETS

T.B.D.

TO UPDATE AS BUILT

01 02 03 04 05 06 07 08 09 10

DRAWING SCALE 1:1
ALL QUOTES SHOWN ARE IN MILLIMETERS

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
CERTIFICATION LABEL

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 019

REV. 1

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
01	REMOVABLE LIFTING LUGS -	MANUFACTURER STANDARD	NA001_01	~~4~~ 4	MECHANICAL PART NAMEPLATE NOT REQUIRED
02	CABINET MANUFACTURER LABEL -	MANUFACTURER STANDARD	NA001_02	2	DETAILS ON SHEET 017 TYPICAL 02
03	AIR INLET FILTER -	AUGER STANDAR	NA001_03	2	MECHANICAL PART NAMEPLATE NOT REQUIRED
04	FRONT-MOUNTED AIR EXTRACTOR FAN (SUPPLIED WITH AIR FILTER) -	AUGER STANDARD	NA001_04	2	EV1 - EV2 ~~EV~~ (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
05	SECTION IDENTIFICATION LABEL -	MANUFACTURER STANDARD	NA001_05	2	DETAILS ON SHEET 017 TYPICAL 03
06	POWER SUPPLY FEEDER MODULE PRO-ECO-480W-24V-20A INPUT 230Vac (AUTO-RANGING) - OUTPUT 24Vdc-20a	WEIDMULLER ~~QUINT4-PS/1AC/24DC/20~~ WDM.1469510000	NA001_06	2	G1 ÷ G2 (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
07	DECOUPLING & PROTECTIVE DIODE FOR REDUNDANCY - 24Vdc -	WEIDMULLER PRO DM 20 WDM.2486080000	NA001_07	2	VD1 - VD2 (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
<1> 08	ROTATIVE MAIN SWITCH - 115Vac / 240Vac 32A -	LOVATO GA032A	NA001_08	2	MS1 - MS2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
09	THERMOSTAT FOR FAN ON/OFF CIRCUIT -	MANUFACTURER STANDAR	NA001_09	1	TH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
10	THERMOSTAT FOR HIGH TEMPERATURE ALARM -	MANUFACTURER STANDARD	NA001_10	1	THH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
11	PRE-ASSEMBLED RELAY BOARD FOR FAN FAULT CIRCUIT -	PREI	NA001_11	1	FRB (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
12	FEED-THROUGH TYPE TERMINAL SCREW TYPE - GREY COLOUR - SECTION 6mm²	PHOENIX CONTACT UT 6	NA001_12	9	TB-PS1 ÷ TB-PS3 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
13	TRASFORMER 240Vac / 24Vac - 50Hz -	ABB TM10 EA2616	NA001_13	1	T1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<1> 14	2 POLES COMMON BOX - 15 CONNECTION EACH POLE -	CABUR QBLOK2P125A15	NA001_14	2	CB_UPS1 - CB_UPS2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
15	2 POLES COMMON BOX - 7 CONNECTION EACH POLE -	CABUR QBLOCK2P100A7	NA001_15	<1> 1	<1> CB_SER (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

TO ADD - LAMP (L1-L2)
- MICROSWITCH (S1-S2)
- TB-LAMP

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CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
MAIN COMPONENT LIST

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

A3 | DRAWING NO. 1724000594-IN-DA-00009 | SHEET 020 | REV. 1

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
16	PURE Id CIRCUIT BREAKER WITH AUXILIARY CONTACT 2 POLES - 240Vac - 50Hz - 25A - Id: 30mA	EATON FAZ SERIES	NA001_16	1	Q1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
17	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAJER - 115Vac / 240Vac WHIT AUXILIARY CONTACT TO SPLIT BY DIFFERENT RATING	EATON FAZ SERIES	NA001_17	<1> 18	<1> Q2 ÷ Q19 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
18	DISTRIBUTION TERMINALS - SCREW TYPE - SECTION 2.5mm² FEED THROUGH TYPE - GREY COLOUR	PHOENIX CONTACT UT 2.5 PXC.3044076	NA001_18	<1> 22	<1> TB-Q5, X24L-, X12L- (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
19	TERMINALS - SPRING TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	<1> PHOENIX CONTACT UT 4 HESILED PXC.3214366	NA001_19	<1> 15	TB-FU - X24L+ (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<1> 20	SCREW TYPE TERMINALS - SECTION 4 FEED THROUGH TYPE - GREY COLOUR	PHOENIX CONTACT UT 4-QUATTRO PXC.3044571	NA001_20	4	CB_24Vdc (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
21	SERVICE SOCKET INCLUDING SOCKET DIN MOUNTING KIT	MANUFACTURER STANDARD	NA001_21	1	SK1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
22	FIELD CONTROL STATION (REDUNDANT) -	YOKOGAWA AFV30D-A41262	NA001_22	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
23	ANALOG INPUT MODULE, 16 CHANNEL -	YOKOGAWA AAI143-H53/K4A00	NA001_23	8	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
24	ESB BUS COUPLER MASTER MODULE -	YOKOGAWA EC401-51	NA001_24	8/2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
25	PROCESSOR MODULE -	YOKOGAWA CP471-01	NA001_25	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
26	220-240V AC INPUT POWER SUPPLY MODULE -	<1> YOKOGAWA PW484-53	NA001_26	8	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
27	NODE INTERFACE UNIT -	YOKOGAWA ANB10D-426/CU2N	NA001_27	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
28	ANALOG OUTPUT MODULE, 16 CHANNEL -	YOKOGAWA AAI543-H61/K4A00	NA001_28	4	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
29	DIGITAL INPUT MODULE, 32 CHANNEL -	YOKOGAWA ADV151-P63/D5A00	NA001_29	8	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
30	NODE INTERFACE UNIT -	YOKOGAWA ANB10D-426/CU2T	NA001_30	1	T.B.D (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

WHY MODEL N. IS CHANGED?
THIS CODE IS FOR 24VDC INPUT VOLTAGE!!

Q18-Q19 TO BE ADDED (24V DC)

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YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE: BASE LOAD POWER HUB (E ... BLP
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
MAIN COMPONENT LIST

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

SCALE: 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 021

REV. 1

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
31	DIGITAL OUTPUT MODULE, 32 CHANNEL -	YOKOGAWA ADV551-P63/D5A00	NA001_31	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
32	MODBUS TCP/IP COMMUNICATION MODULE -	YOKOGAWA ALE111-S51	NA001_32	~~1~~ 3	~~T.B.D.~~ (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
33	PROFINET COMMUNICATION MODULE -	YOKOGAWA A2LP131-S01	NA001_33	1	~~T.B.D.~~ (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
34	TB FOR DIGITAL DIN MOUNT TYPE -	YOKOGAWA A1BD5D-06	NA001_34	5	~~T.B.D.~~ (INTERNAL LABEL) TB-xx (see sheet 14) EXTERNAL LABEL NOT REQUIRED
35	TB FOR ANALOG DIN MOUNT TYPE -	YOKOGAWA A1BA4D-06	NA001_35	6	~~T.B.D.~~ (INTERNAL LABEL) ~~TB-xx (see sheet 14)~~ TB-xx (See sh 14) EXTERNAL LABEL NOT REQUIRED
36	SCREW TYPE TERMINALS - SECTION 4 <1> KNIFE DISCONNECT TYPE - GREY COLOUR	<1> PHOENIX CONTACT UDMTK 5 PXC.3048467	NA001_36	<1> 217	TB-00-JE-11001 / TB-00-JE-11002 / TB-00-JE-11003 / TB-00-JE-11004 / TB-00-JE-11005 / TB-00-JE-12001 / TB-00-JE-12002 / TB-00-JE-12003 / TB-00-JE-12004 / TB-00-JE-12005 / TB-00-JE-12006 / TB-00-JE-13001 / TB-00-JE-13002 / TB-00-JE-13003 / TB-XX/XX/XX <1> EXTERNAL LABEL NOT REQUIRED
37	RELAY 24Vdc - 1 NO+NC -	PHOENIX CONTACT PLC-RSC- 24DC/21 2966171	NA001_37	<1> 18	<1> K001÷K018 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<1> 38	PREI CE LABEL -	MANUFACTURER STANDARD	NA001_38	1	DETAILS ON SHEET 019 TYPICAL 05
<1> 39	TERMINALS - SPRING TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	PHOENIX CONTACT UT 4-HESI PXC.3046032	NA001_39	5	X12L+ (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
<1> 40	POWER SUPPLY FEEDER MODULE INPUT 24Vdc - OUTPUT 12Vdc	MEANWELL DDR-15G-24	NA001_40	2	G4 ~~G3~~ (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
41	MCT MANUFACTURER AND MODEL NUMBER IS MISSING -	PLEASE CHECK THE CODE, SEEMS 24VDC OUTPUT INSTEAD OF 12VDC	-	QTY SHOULD BE 2, TO AVOID SINGLE POINT OF FAILURE	-
~~42~~	- ESB BUS COUPLER SLAVE MODULE -	YOKOGAWA SB401-53		6	-
43	- -	-	-	-	-
44	- -	-	-	-	-
45	- -	-	-	-	-

Model Encoding

DDR - 15 G - 24

- Output voltage(3.3/5/12/15/24Vdc)
- Input voltage (G:9~36Vdc, L:18~75Vdc)
- Rated wattage
- Series name

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YOKOGAWA ◆ PROJECT Nr. E36672C00
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CROSSWIND | ROSETTI MARINO

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PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
MAIN COMPONENT LIST

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SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 022

REV. 1

BASE LOAD POWER HUB (BLPH)
PCS CABINETS
WIRING DIAGRAMS AND
TERMINAL STRIPS

ROSETTI MARINO	
1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED
NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.	
Sign	Date
	20/09/2024

MACTEL
COPIA X TEST FINALI
DATE 4/10/24

NEXT REVISION SHALL BE "ACCEPTED FOR CONSTRUCTION (AFC)"

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
COVER PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 001

REV 01 0

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
001	X									BASE LOAD POWER HUB (BLPH) COVER PAGE
002	X									BASE LOAD POWER HUB (BLPH) INDEX
003	X									BASE LOAD POWER HUB (BLPH) LEGEND
004	X	X								BASE LOAD POWER HUB (BLPH) SYMBOL LEGEND
005	X	X								BASE LOAD POWER HUB (BLPH) TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS
006	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1
007		X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1
008	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2
009		X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2
010	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS
011	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS
012	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN
013	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
014	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac / 24Vdc POWER DISTRIBUTION
015	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac/12Vdc POWER DISTRIBUTION
016	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - BREAKER FAULT ALARM CIRCUIT
017	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - SHIELD / GROUND CONNECTION
018	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - FAULT ALARM SIGNALS TO DCS
019		X								BASE LOAD POWER HUB (BLPH) PCS PANEL - FAULT ALARM SIGNALS TO DCS
020	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - 24Vdc POWER DISTRIBUTION

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
021	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - RACK "A" POWER DISTRIBUTION
022	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - RACK "B" POWER DISTRIBUTION
023	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - RACK "C" POWER DISTRIBUTION
024	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - RACK "D" POWER DISTRIBUTION
025	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT
026	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - TYPICAL WIRING ANALOG INPUT/OUTPUT
027	X	X								BASE LOAD POWER HUB (BLPH) SPARE PAGE
028	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11001
029	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11002
030	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11003
031	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11004
032	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11005
033	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12001
034	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12002
035	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12003
036	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12004
037	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12005
038	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12006
039	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-13001
040	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-13002

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
041	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-13003
042	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-BX00
043	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-C-63-PT-003

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
INDEX

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 002

REV. 01

NUMBER	SYMBOL	REFERENCE	DESCRIPTION
01		IEC 60417-5031	DIRECT CURRENT
02		IEC 60417-5032	ALTERNATING CURRENT
03		IEC 60417-5033	BOTH DIRECT AND ALTERNATING CURRENT
04			THREE-PHASE ALTERNATING CURRENT
05		IEC 60417-5017	EARTH (GROUND) TERMINAL
06		IEC 60417-5019	PROTECTIVE CONDUCTOR TERMINAL
07		IEC 60417-5020	FRAME OR CHASSIS TERMINAL
08		IEC 60417-5021	EQUIPOTENTIALITY
09		IEC 60417-5007	ON (SUPPLY)
10		IEC 60417-5008	OFF (SUPPLY)
11		IEC 60417-5172	EQUIPMENT PROTECTED THROUGHOUT BY DOUBLE INSULATION OR REINFORCED INSULATION
12			CAUTION RISK OF ELECTRIC SHOCK
13		IEC 60417-5041	CAUTION HOT SURFACE
14		ISO 7000-0434	CAUTION RISK OF DANGER
15		IEC 60417-5266	IN POSITION OF A BI-STABLE PUSH CONTROL
16		IEC 60417-5269	OUT POSITION OF A BI-STABLE PUSH CONTROL

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
LEGEND

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 003

REV. 0

MSXX XA	ROTATIVE MAIN SWITCH -	EVx Fux	ELECTRIC FAN WITH FAULT DETECTION	BARRIER NAME	I.S. BARRIER (NOTE: AB-xx FOR ACTIVE BARRIERS, ZB-xx FOR ZENER BARRIERS)
QFXX XA XMA Qx 13 14	DIFFERENTIAL RESIDUAL CURRENT CIRCUIT BREAKER WITH AUXILIARY CONTACT	HEx	PANEL ELECTRIC HEATER -	ISOLATOR NAME	GALVANIC ISOLATOR -
QFXX XA Qx 13 14	AUTOMATIC CIRCUIT BREAKER WITH AUXILIARY CONTACT	T1 230Vac 24Vac 230Vac/24Vac	AC/AC VOLTAGE TRANSFORMER -	1	FUSED TERMINAL -
QUXX XA	DISCONNECTOR WITH FUSE -	TL1 <1>	THERMOSTATE NO CONTACT -	1	KNIFE TERMINAL -
QFXX XA XMA	PURE RESIDUAL CURRENT CIRCUIT BREAKER	KXX	NO CONTACT -	1	FEED THROUGH TERMINAL -
L1 5AX PEN L2 N°1 2805320 PEN - N°2 2807580 -	SURGE ARRESTOR -	KXX	NC CONTACT -	(20-B02) PAGE ROW (20-B02) COLUMN	PAGE CROSS REFERENCE INDICATION -
EF-1	LINE FILTER MODULE -	Sx	DOOR LIMIT SWITCH -	CBxx L N	COMMON BOX -
SKxx	SERVICE SOCKET -	HA-x	FRONT PANEL ALARM BUZZER -		- -
GDXX 480W AC DC	AC/DC FEEDER -	Hx 15W	INTERNAL LIGHT OR FRONT PANEL LIGHT		- -
VDX IN IN OUT OUT REDUNDANCY DIODE MODULE 40A	REDUNDANCY DIODE MODULE -		MUSHROOM PUSHBUTTON INDICATOR NORMAL PUSHBUTTON INDICATOR		- -
KX	RELAYS -		ROTATIVE SELECTOR INDICATOR -		- -
	- -	Rø 10kΩ	RESISTOR -		- -
	- -		- -		- -

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
SYMBOL LEGEND

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

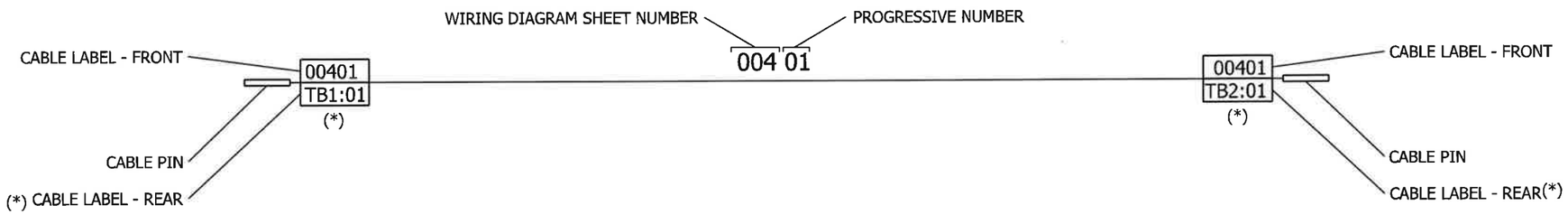
SHEET 004

REV. 0

COLOR ACRONYMS LIST :

RD	-	RED
BK	-	BLACK
BL	-	BLUE
LB	-	LIGHT BLUE
GR	-	GREY
GN	-	GREEN
YE	-	YELLOW
Y/G	-	YELLOW/GREEN
BR	-	BROWN
WH	-	WHITE

TYPICAL WIRE MARKING



EARTH CONNECTION RESUME TABLE:

	CABINET
P.E. EARTH	
I.E. EARTH	

EARTH ACRONYMS LEGEND :

P.E. (GND) - PROTECTION EARTH (GROUND, FRAME CHASSIS)
I.E. (F.E.) - INSTRUMENT EARTH (NOISELESS), FUNCTIONAL EARTH

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD
CROSSWIND
ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
TYPICAL WIRE MARKING &
EARTH BAR CONNECTION DETAILS

CONTRACT NO./TITLE CW EARTH 20 BARGE/HOLLAND SOUTH OFFSHORE WIND PARK

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 005

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM UPS LINE 1

230Vac-50Hz
FROM UPS#1
(BY CUSTOMER)

TB-PS2 1 2 3 — CUSTOMER CONNECTION POINT

00601 BR 6 mm² — 00603 LB 6 mm² — 00611 YG 6 mm² — PE

CB_UPS1
(007-B02)

N P N P N P N P N P N P N P — (007-C02) (007-C02)

MS1
230Vac
32A

00604 BR 6 mm² — 00602 LB 6 mm²

	00605 BR 2,5 mm² / 00606 LB 2,5 mm²	00607 BR 2,5 mm² / 00608 LB 2,5 mm²	00609 BR 2,5 mm² / 00610 LB 2,5 mm²	00612 BR 2,5 mm² / 00613 LB 2,5 mm²	00614 BR 2,5 mm² / 00615 LB 2,5 mm²	00616 BR 2,5 mm² / 00617 LB 2,5 mm²
	Q6	Q7	Q8	Q9	Q10	Q11
	230Vac 16A "C" CURVE	230Vac 6A "D" CURVE	230Vac 6A "D" CURVE	230Vac 6A "D" CURVE	230Vac 6A "D" CURVE	230Vac 10A "C" CURVE
	13-14 (016-B02)	13-14 (016-A02)	13-14 (016-A03)	13-14 (016-B03)	13-14 (016-C03)	21-22 (016-E03)
	01401 BR 2,5 mm² / 01402 LB 2,5 mm²	02101 BR 1,5 mm² / 02102 LB 1,5 mm²	02201 BR 1,5 mm² / 02202 LB 1,5 mm²	02301 BR 1,5 mm² / 02302 LB 1,5 mm²	02401 BR 1,5 mm² / 02402 LB 1,5 mm²	SPARE
	(014-B02) (014-B02)	(021-G02) (021-G02)	(022-G02) (022-G02)	(023-G02) (023-G02)	(024-G02) (024-G02)	
	POWER SUPPLY G1	POWER SUPPLY (1) RACK "A" PW482-51	POWER SUPPLY (1) RACK "B" PW482-51	POWER SUPPLY (1) RACK "C" PW482-51	POWER SUPPLY (1) RACK "D" PW482-51	
		1	2	3	4	

01 02 03 04 05 06 07 08 09 10

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND — ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 006

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM UPS LINE 1



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 007

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM UPS LINE 2

230Vac-50Hz
FROM UPS#2
(BY CUSTOMER)

TB-PS2 1 2 3

CUSTOMER CONNECTION POINT

00801 BR 6 mm² | 00803 LB 6 mm² | 00611 YG 6 mm² | PE

CB_UPS2
(009-B02)

(009-C02)
(009-C02)

MS2
230Vac
32A

00804 BR 6 mm² | 00802 LB 6 mm²

	00805 BR 2,5 mm²	00806 LB 2,5 mm²	00807 BR 2,5 mm²	00808 LB 2,5 mm²	00809 BR 2,5 mm²	00810 LB 2,5 mm²	00811 BR 2,5 mm²	00812 LB 2,5 mm²	00813 BR 2,5 mm²	00814 LB 2,5 mm²	00815 BR 2,5 mm²	00816 LB 2,5 mm²
	Q12		Q13		Q14		Q15		Q16		Q17	
	230Vac 16A "C" CURVE		230Vac 6A "D" CURVE		230Vac 6A "D" CURVE		230Vac 6A "D" CURVE		230Vac 6A "D" CURVE		230Vac 10A "C" CURVE	
	(016-E03)		(016-F03)		(016-G03)		(016-F04)		(016-E04)		(016-E04)	
	01403 BR 2,5 mm²	01404 LB 2,5 mm²	02103 BR 1,5 mm²	02104 LB 1,5 mm²	02203 BR 1,5 mm²	02204 LB 1,5 mm²	02303 BR 1,5 mm²	02304 LB 1,5 mm²	02403 BR 1,5 mm²	02404 LB 1,5 mm²	SPARE	
	(014-H02)	(014-H02)	(021-H02)	(021-H02)	(022-H02)	(022-H02)	(023+H02)	(023+H02)	(024-H02)	(024-H02)		
	POWER SUPPLY G2		POWER SUPPLY (2) RACK "A" PW482-51		POWER SUPPLY (2) RACK "B" PW482-51		POWER SUPPLY (2) RACK "C" PW482-51		POWER SUPPLY (2) RACK "D" PW482-51			
			1		2		3		4			

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2

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

A3 | DRAWING NO. 1724000594-IN-DG-00020 | SHEET 008 | REV. 0

PCS PANEL - POWER DISTRIBUTION FROM UPS LINE 2



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DG-00020

SHEET 009

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM NON UPS

230Vac-50Hz
FROM MCC
(BY CUSTOMER)

CUSTOMER CONNECTION POINT

TB-PS3 1 2 3

01001 BR 6 mm² | 01003 LB 6 mm² | 00611 YG 6 mm² → PE

CB_SER
(011-A01)

N P P N P N P N

(011-A01)
(011-A01)

01004 LB 6 mm² | 01002 BR 6 mm²

01005 BR 2,5 mm² | 01007 LB 2,5 mm²

01009 BR 2,5 mm² | 01014 LB 2,5 mm²

01017 BR 2,5 mm² | 01018 LB 2,5 mm²

4A INSTALLED
TO BE REPLACED
(P004)

Q1
230Vac
25A
Id 30mA
(016-G02)

Q2
230Vac
16A
"C" CURVE
(016-F02)

Q3
230Vac
2A
"C" CURVE
(016-E02)

Q4
230Vac
4A
"C" CURVE
(016-D02)

TB-LAMP

SPARE

01006 BR 2,5 mm² | 01008 LB 2,5 mm²

01010 BR 1,5 mm² | 01011 BR 1,5 mm²

S1 S2

01012 BR 1,5 mm² | 01016 BR 1,5 mm²

H1 H2

SK1

00611 YG 2,5 mm² → PE

01013 LB 1,5 mm² | 01015 LB 1,5 mm²

SERVICE SOCKET
230Vac 50Hz

INTERNAL LIGHT (LEFT SIDE)
230Vac 50Hz
TOTAL CONSUMPTION: 15W

INTERNAL LIGHT (RIGHT SIDE)
230Vac 50Hz
TOTAL CONSUMPTION: 15W

NOTE:
INTERNAL LAMP IS DOUBLE INSULATION DEVICE.
NO EARTH CONNECTION REQUIRED.

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 010

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM NON UPS

CB_SER
(010-B02)
(010-K02)
(010-K02)
P
N
01101 BR 2.5 mm²
01104 LB 2.5 mm²
Q5
1
3
13
14
Q5
230Vac
2A
"C" CURVE
(016-C02)
2
4
01102 BR 2.5 mm²
01105 LB 2.5 mm²

T1
01106 BR 1.5 mm²
01107 LB 1.5 mm²
1
3
2
4
230Vac/24Vac

<1>

TB-Q5
1 2 3 4 5 6 7
01103 BR 1.5 mm²
01201 LB 1.5 mm²
01202 BR 1.5 mm²
01203 LB 1.5 mm²
01108 LB 2.5 mm²
01109 BR 2.5 mm²
01110 LB 2.5 mm²
(012-B02)
(012-B02)
(012-B02)
(012-B02)
(012-D02)
(012-D02)
(012-D02)

INTERNAL FAN (LEFT SIDE)
230Vac 50Hz
TOTAL CONSUMPTION: 40W

INTERNAL FAN (RIGHT SIDE)
230Vac 50Hz
TOTAL CONSUMPTION: 40W

01111 LB 1.5 mm²
01113 BR 1.5 mm²
01114 LB 1.5 mm²
01112 BR 1.5 mm²

<1>

TB-FU
FUSE RATING: 0.5A
1 2 3 4
01204 LB 1.5 mm²
01205 BR 1.5 mm²
01115 LB 1.5 mm²
01116 BR 1.5 mm²
(012-C02)
(012-C02)
(012-E02)
(012-E02)

24Vac 50Hz
FAN FAULT
CIRCUIT
(LEFT SIDE)

24Vac 50Hz
FAN FAULT
CIRCUIT
(RIGHT SIDE)

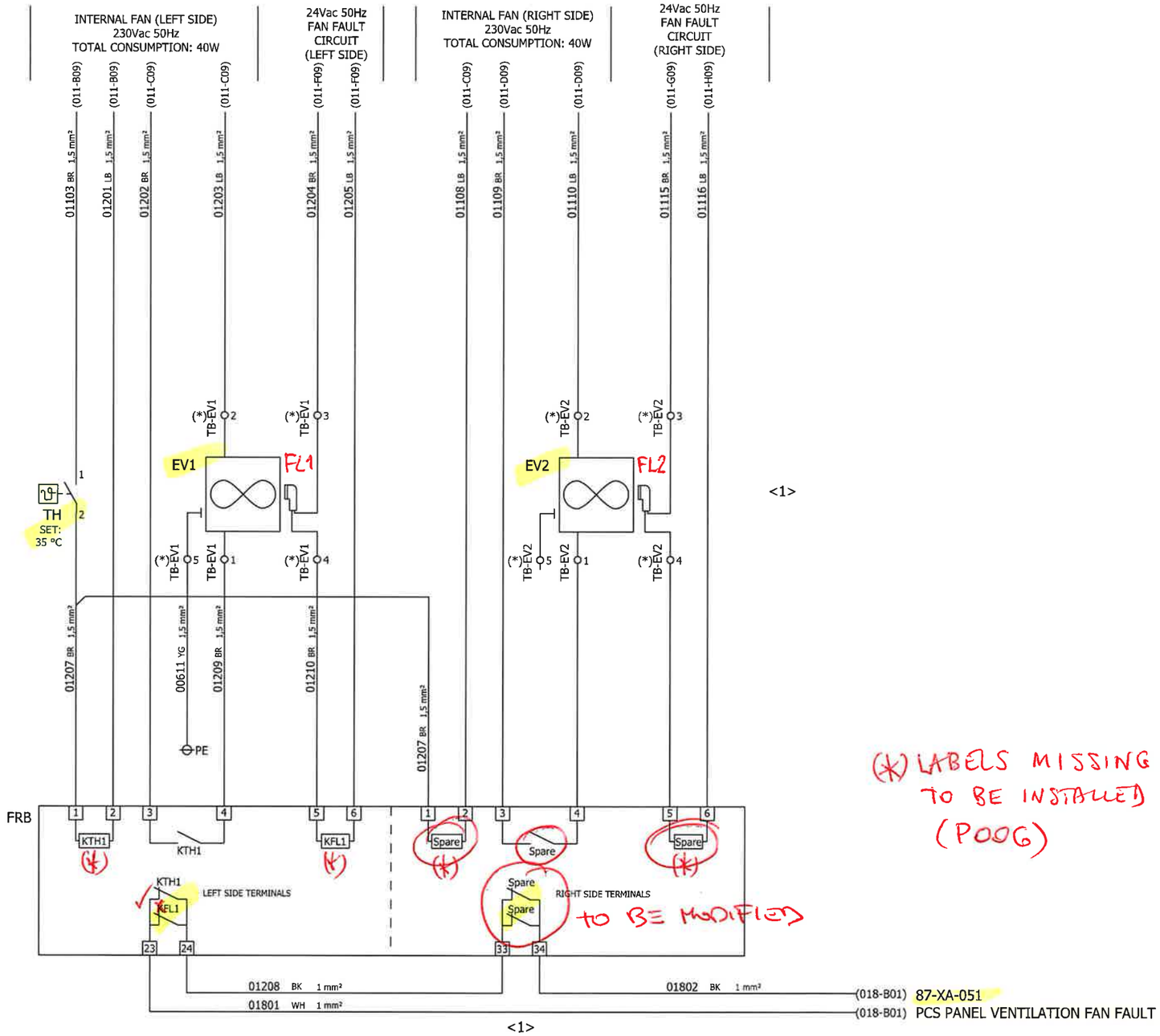
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YOKOGAWA
PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD
CROSSWIND
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK
SCALE : 1
A3
DRAWING NO. 1724000594-IN-DG-00020
SHEET 011
REV. 0

PCS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN & HEATER



<1>

(*) LABELS MISSING TO BE INSTALLED (POOG)

to BE MODIFIED

NOTE (*):
TB-EV IS A FEED THROUGH TERMINAL BOARD FOR PRE-WIRED ITEMS CONNECTION. FOR THIS REASON, WIRE NUMBERS WILL BE THE SAME ON BOTH SIDES.

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 012

REV. 0

SHEET LEFT INTENTIONALLY BLANK

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 013

REV. 0

PCS PANEL - 230Vac/24Vdc POWER DISTRIBUTION

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#1

(006-D09) (006-D09)

01401 BR 2,5 mm² 01402 LB 2,5 mm²

G1
IN: 230Vac
OUT: 24Vdc
480W
20A
WEIDMULLER PRO ECO
code 1469510000

AC DC (+) N(-) 13 14 PE + + - -

01803 WH 1 mm² (018-B02)

00611 YG 2,5 mm² PE

01405 RD 4 mm² 01407 BU 4 mm² 01406 RD 4 mm² 01410 BU 4 mm²

01413 WH 1 mm² <1>

87-XA-052
PCS PANEL POWER SUPPLY
24Vdc FAILURE <1>

VD1
(014-G06)
20A
WEIDMULLER PRO DM 20
code 2486080000

IN1+ IN1- IN2+ IN2- OUT+ OUT- 13 14

01414 WH 1 mm²

01408 RD 6 mm² 01411 BU 6 mm²

INSTALLED
10A
TO BE REPLACED
(P005)

Q18
24Vdc
32A

1 2 3 4 Q18 13 14 (016-B05)

01409 RD 6 mm² 01412 BU 6 mm²

CB_24Vdc
(020-A01)

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#2

(008-D08) (008-D08)

01403 BR 2,5 mm² 01404 LB 2,5 mm²

G2
IN: 230Vac
OUT: 24Vdc
480W
20A
WEIDMULLER PRO ECO
code 1469510000

AC DC (+) N(-) 13 14 PE + + - -

01413 WH 1 mm²

1808

KA1-KA2
CONTACT TO
BE ADDED
IN SERIES

00611 YG 2,5 mm² PE

01415 RD 4 mm² 01417 BU 4 mm² 01416 RD 4 mm² 01420 BU 4 mm²

01423 WH 1 mm² <1>

VD2

VD1
(014-B06)
20A
WEIDMULLER PRO DM 20
code 2486080000

IN1+ IN1- IN2+ IN1- OUT+ OUT- 13 14

01804 BK 1 mm² (018-B02)

87-XA-052 <1>
PCS PANEL POWER SUPPLY
24Vdc FAILURE

01418 RD 6 mm² 01421 BU 6 mm²

Q19
24Vdc
32A

1 2 3 4 Q19 13 14 (016-C05)

01419 RD 6 mm² 01422 BU 6 mm²

(020-A01)
(020-A01)

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac / 24Vdc POWER DISTRIBUTION

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 014

REV. 0

PCS PANEL - 230Vac/12Vdc POWER DISTRIBUTION

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#1

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#2

12VDC POWER SUPPLIERS FAILURE TO BE DETECTED.
ALARM CONTACTS TO BE WIRED IN SERIES WITH 24VDC FAILURE
(SHEET 014) CONCURRING TO THE ALARM SIGNAL 87-XA-052.

(007-C09) 01501 BR 2.5 mm²
(007-C09) 01502 LB 2.5 mm²

G3
IN: 230Vac
OUT: 12Vdc
15W
1,25A
MEAN WELL
HDR-15-12

<1>

00611 YG 2,5 mm² PE

1808
1809

KA1

01505 RD 1,5 mm²
01506 BU 1,5 mm²

(009-C09) 01503 BR 2.5 mm²
(009-C09) 01504 LB 2.5 mm²

G4
IN: 230Vac
OUT: 12Vdc
15W
1,25A
MEAN WELL
HDR-15-12

<1>

00611 YG 2,5 mm² PE

KA2

1809
1804

01509 RD 1,5 mm²
01510 BU 1,5 mm²

TB_D
DIODE 1N4007

<1>

01507 RD 0.5 mm²
01508 BU 0.5 mm²

TO
TB-00-JE-BX00
SEE Sh. 042

12VDC POWER
SUPPLY TO MOTION
DETECTORS "TIR"
(TO SHEET 042)

CB_12VDC

~~<1>~~
~~TB-00-JE-12001~~
~~PD-43-FT-001~~
~~ULTRASONIC FLOW~~
~~METER POWER SUPPLY~~

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA
PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD
CROSSWIND
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac/12Vdc POWER DISTRIBUTION

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

SCALE : 1

A3

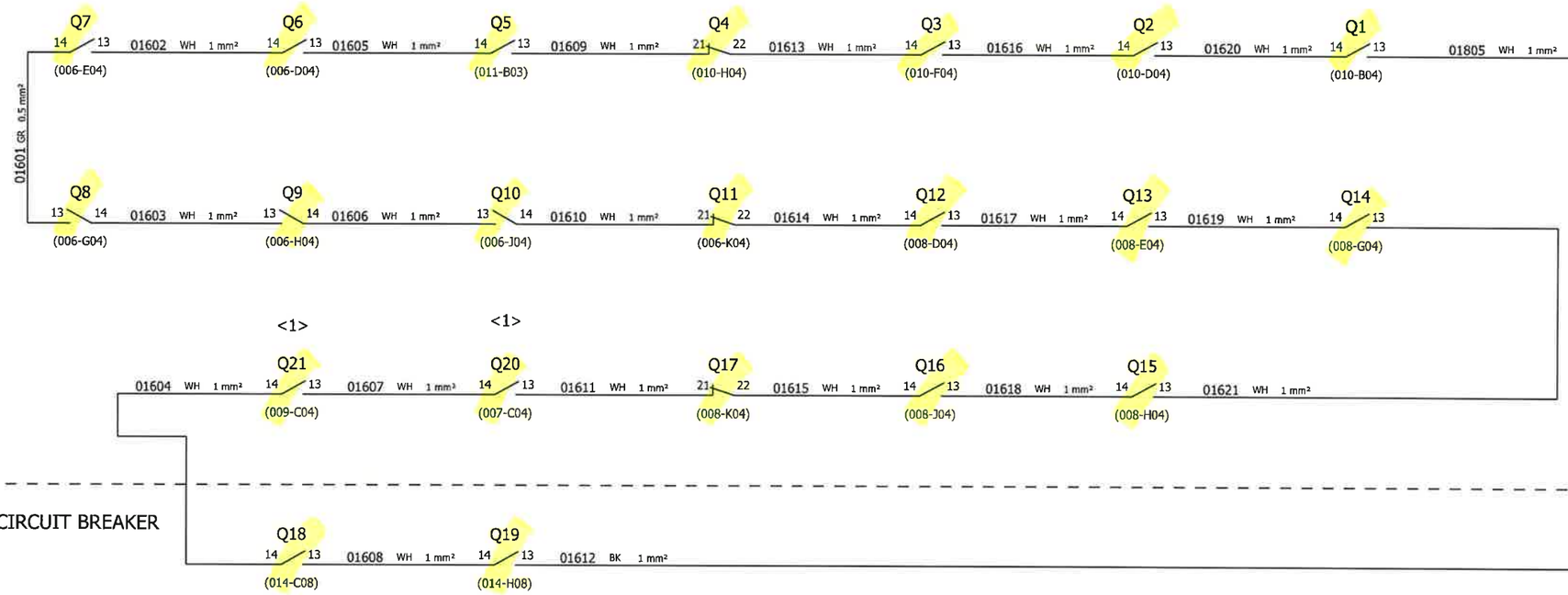
DRAWING NO.
1724000594-IN-DG-00020

SHEET 015

REV. 0

PCS PANEL - BRAKER FAULT ALARM CIRCUIT

230Vac CIRCUIT BREAKER



87-XA-053
PCS PANEL CUMULATIVE
BREAKER FAULT

24Vdc CIRCUIT BREAKER

NOTE : SPARE CIRCUIT BREAKER FAULT CONTACT TO BE CONNECTED ON NORMALLY CLOSE CONTACT.
CHANGE CONNECTION TO NORMALLY OPEN CONTACT WHEN THE BREAKER WILL BE USED

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - BREAKER FAULT ALARM CIRCUIT

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

SCALE : 1

A3

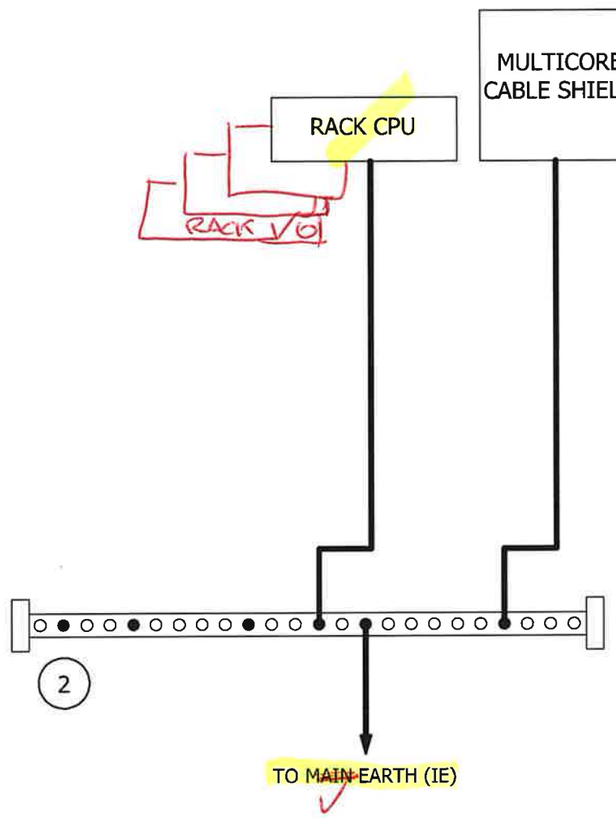
DRAWING NO. 1724000594-IN-DG-00020

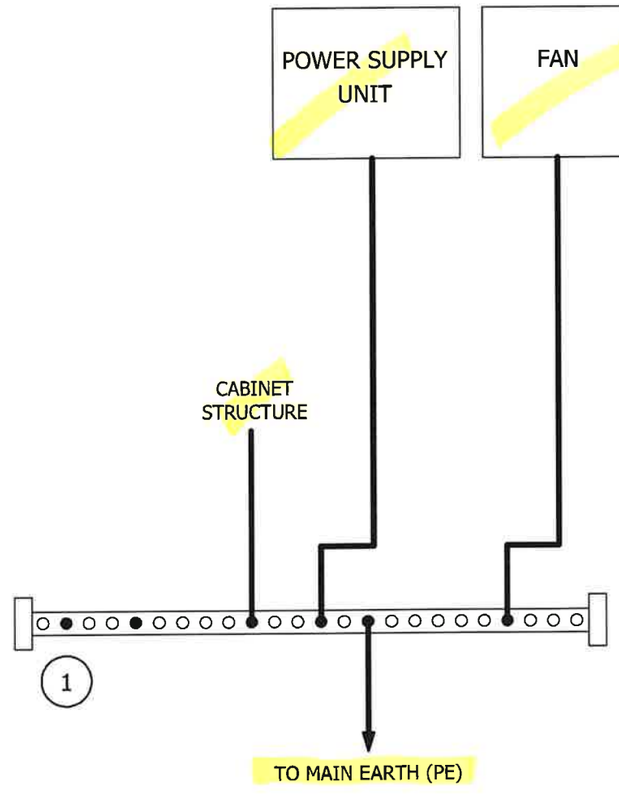
SHEET 016

REV. 0

PCS PANEL - SHIELD/GROUND CONNECTION

POS.	EARTH TYPE	DESCRIPTION SYSTEM EARTH
1	P.E. EARTH	PROTECTION EARTH (GROUND, FRAME CHASSIS)
2	I.E. EARTH	INSTRUMENTAL EARTH





REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - SHIELD / GROUND CONNECTION

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 017

REV. 0

PCS PANEL - FAULT ALARM SIGNALS TO PCS

<1>	87-XA-051	(012-F10)	01802 WH 1 mm²	16A	IN 16	SLOT 5	NODE 4	87-XA-051
	-	(012-F10)	01801 BK 1 mm²	16B	IN 16	SLOT 5	NODE 4	-
				16C	IN 16	SLOT 5	NODE 4	<1>
<1>	87-XA-052	(014-C04)	01803 WH 1 mm²	17A	IN 17	SLOT 5	NODE 4	87-XA-052
	-	(014-J06)	01804 BK 1 mm²	17B	IN 17	SLOT 5	NODE 4	-
				17C	IN 17	SLOT 5	NODE 4	<1>
<1>	87-XA-053	(016-J02)	01805 WH 1 mm²	18A	IN 18	SLOT 5	NODE 4	87-XA-053
	-	(016-J02)	01612 BK 1 mm²	18B	IN 18	SLOT 5	NODE 4	-
				18C	IN 18	SLOT 5	NODE 4	<1>
<1>	87-XA-054	THH SET: 40 °C <1>	01806 WH 1 mm²	19A	IN 19	SLOT 5	NODE 4	87-XA-054
	-		01807 BK 1 mm²	19B	IN 19	SLOT 5	NODE 4	-
				19C	IN 19	SLOT 5	NODE 4	<1>

INSERT DETAIL (PUNCH P010)

20 A	IN 20	5.3	4.4	87-XA-055
B	↓	↓	↓	
C				

CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
87-XA-051	PCS PANEL VENTILATION FAN FAULT
87-XA-052	PCS PANEL POWER SUPPLY & DIODES FAILURE
87-XA-053	PCS PANEL CUMULATIVE BREAKER FAULT
87-XA-054	PCS PANEL HIGH TEMPERATURE ALARM
87-XA-055	PCS PANEL DIGITAL TB COMM. FAULT

CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
-	-
-	-
-	-
-	-
-	-

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - FAULT ALARM SIGNALS TO DCS

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

SCALE : 1

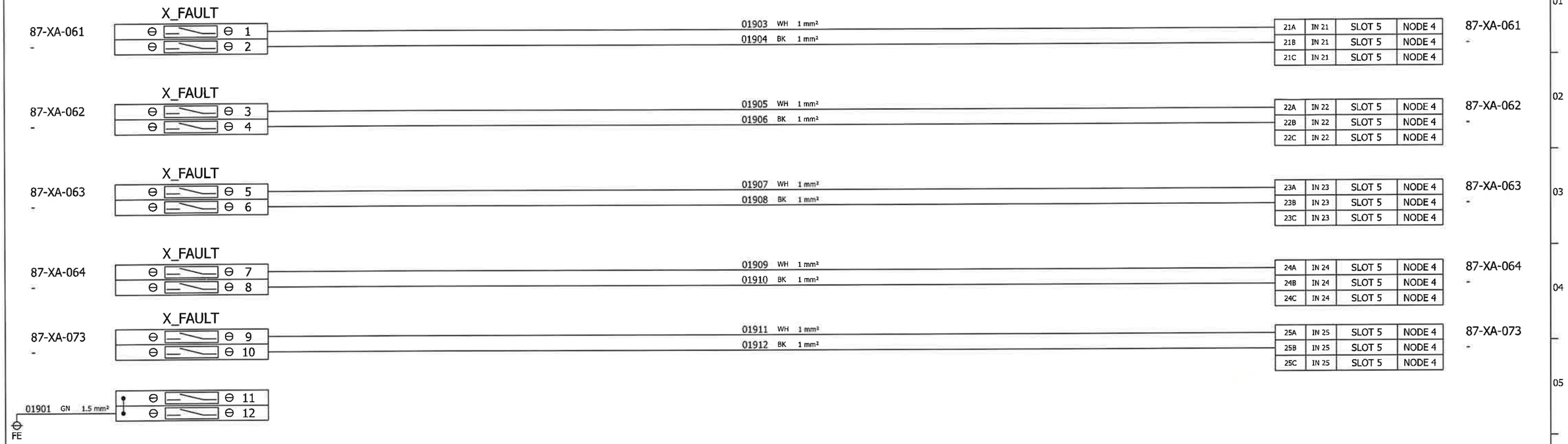
A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 018

REV. 0

PCS PANEL - FAULT ALARM SIGNALS TO PCS



CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
87-XA-061	NET PANEL VENTILATION FAN FAULT
87-XA-062	NET PANEL POWER SUPPLY & DIODES FAILURE
87-XA-063	NET PANEL CUMULATIVE BREAKER FAULT
97-XA-064	NET&SERV PANEL HIGH TEMPERATURE ALARM
87-XA-073	SERV PANEL CUMULATIVE BREAKER FAULT

CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
-	-
-	-
-	-
-	-
-	-

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - FAULT ALARM SIGNALS TO DCS

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

SCALE : 1

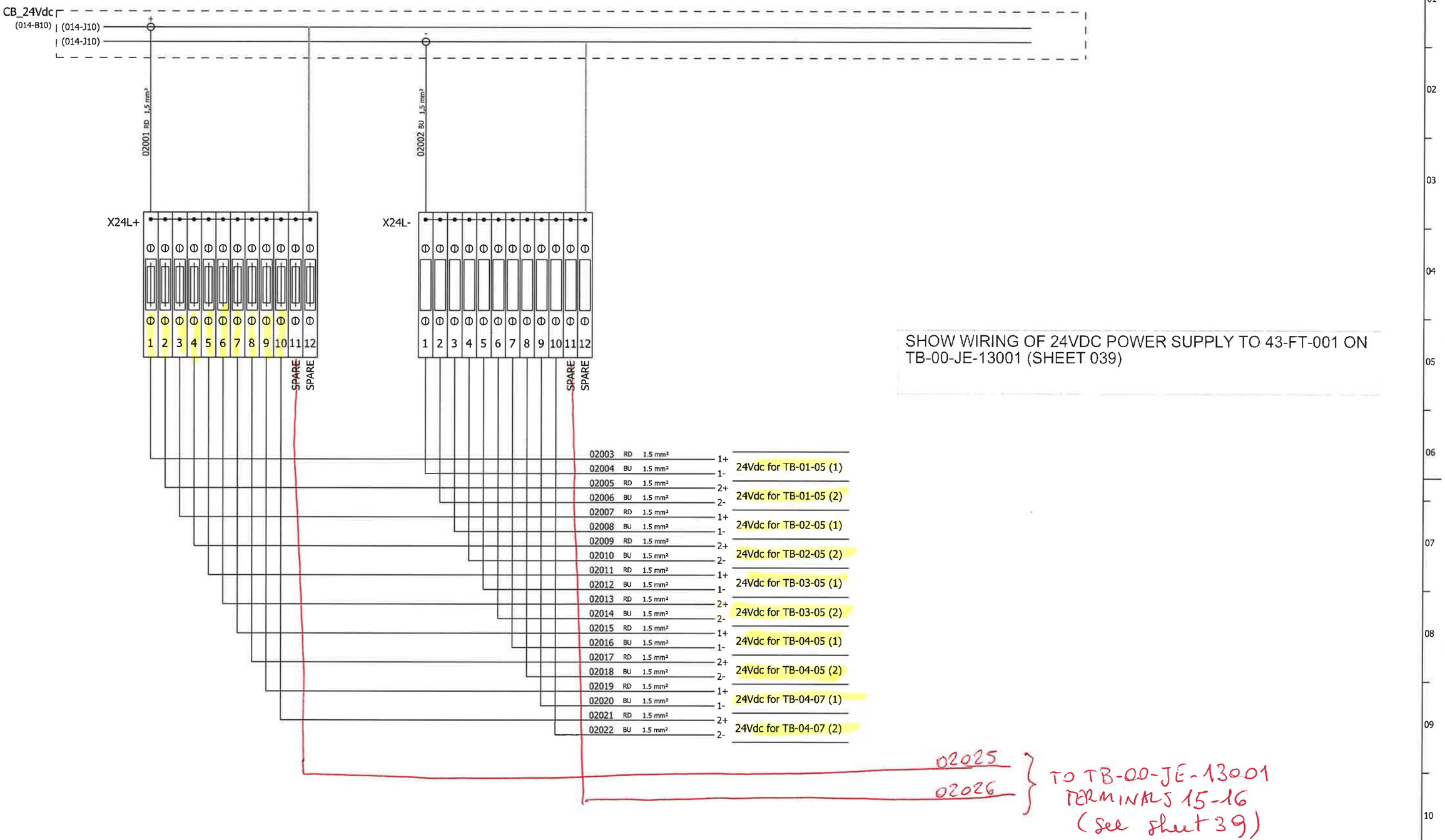
A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 019

REV. 0

PCS PANEL - 24Vdc POWER DISTRIBUTION



SHOW WIRING OF 24VDC POWER SUPPLY TO 43-FT-001 ON TB-00-JE-13001 (SHEET 039)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 24Vdc POWER DISTRIBUTION

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

SCALE : 1

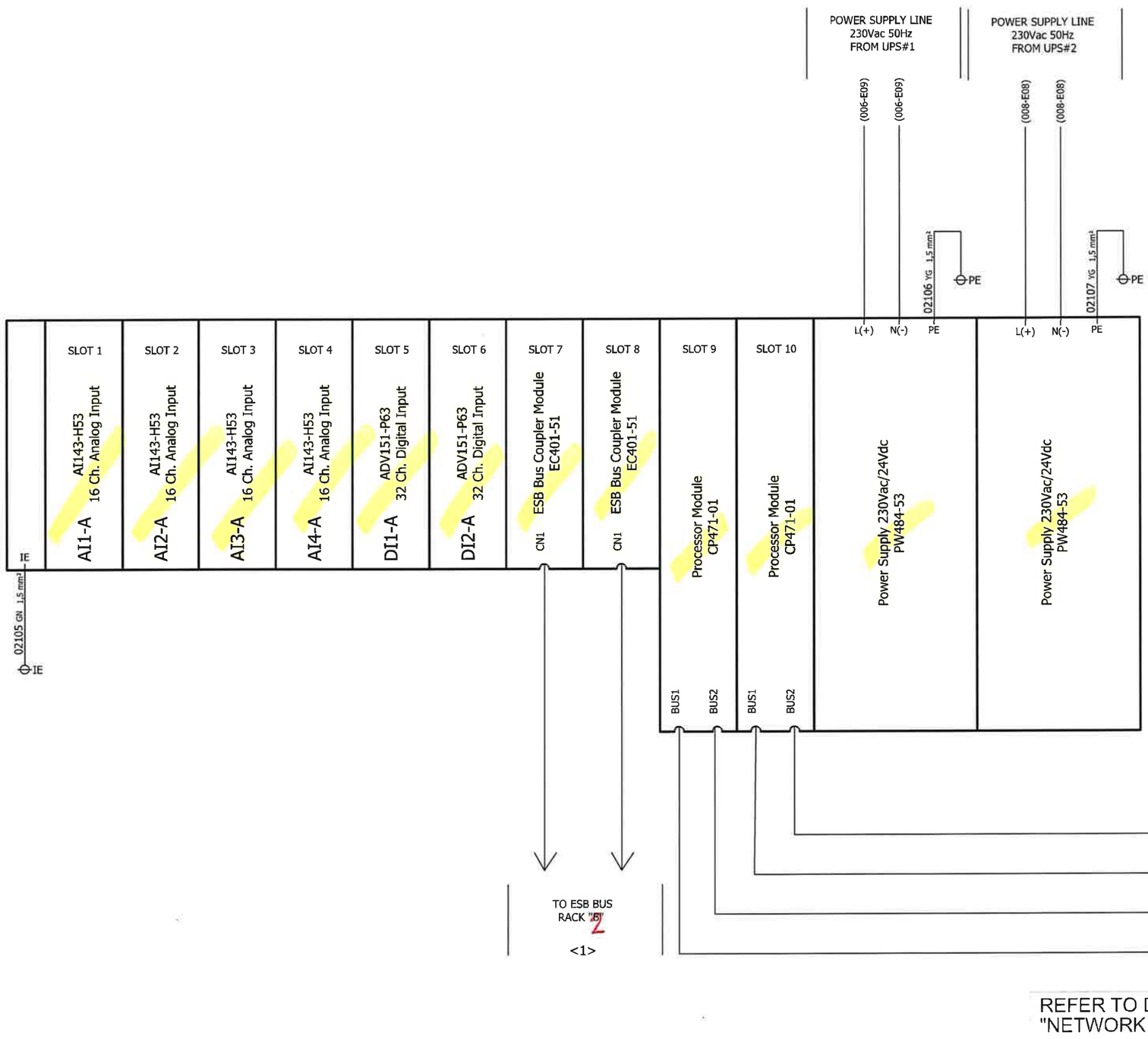
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DRAWING NO. 1724000594-IN-DG-00020

SHEET 020

REV. 0

PCS PANEL - RACK "A" POWER DISTRIBUTION



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - RACK "A" POWER DISTRIBUTION

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

SCALE : 1

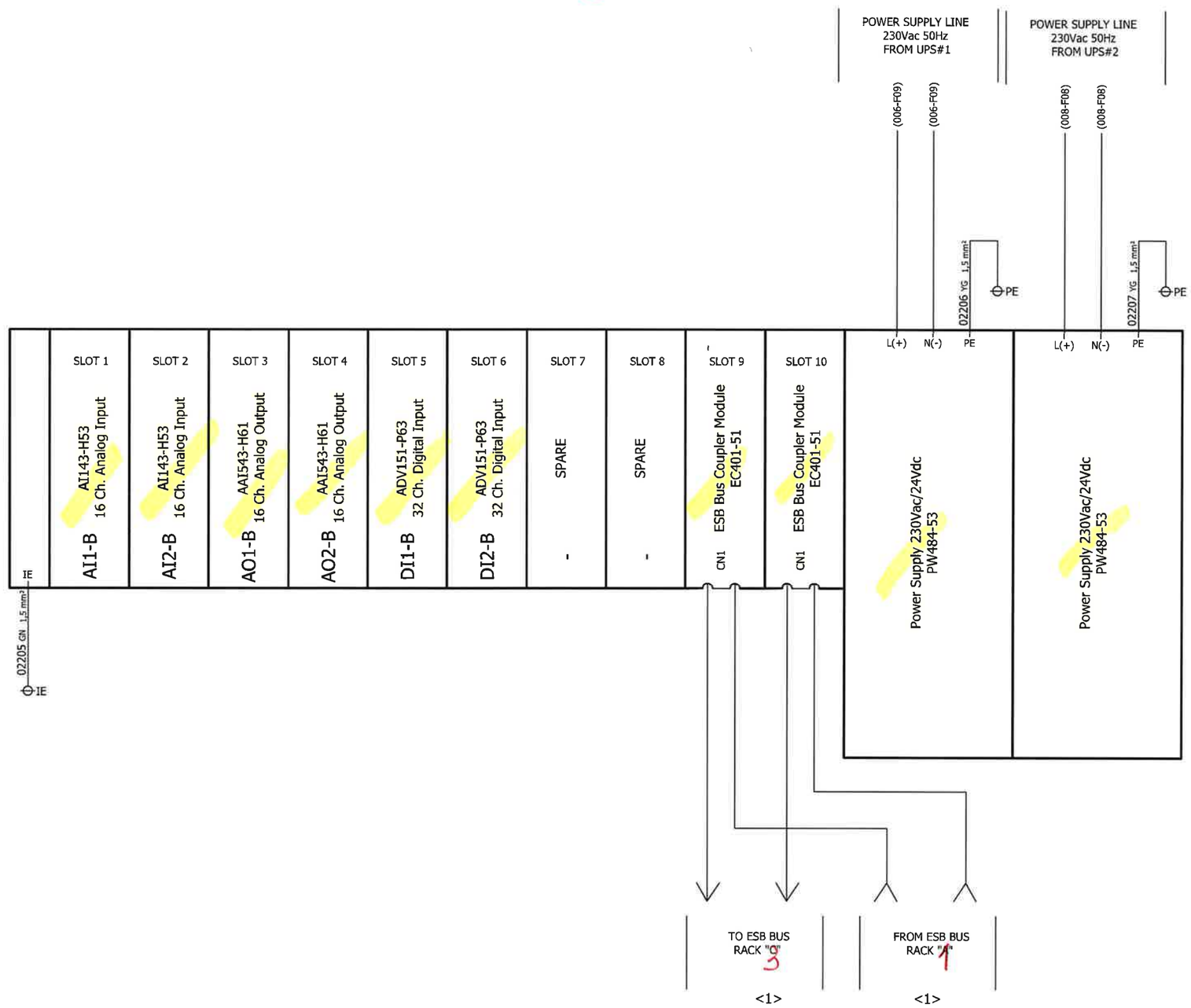
A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 021

REV. 0

PCS PANEL - RACK "B" POWER DISTRIBUTION



1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - RACK "B" POWER DISTRIBUTION

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

SCALE : 1

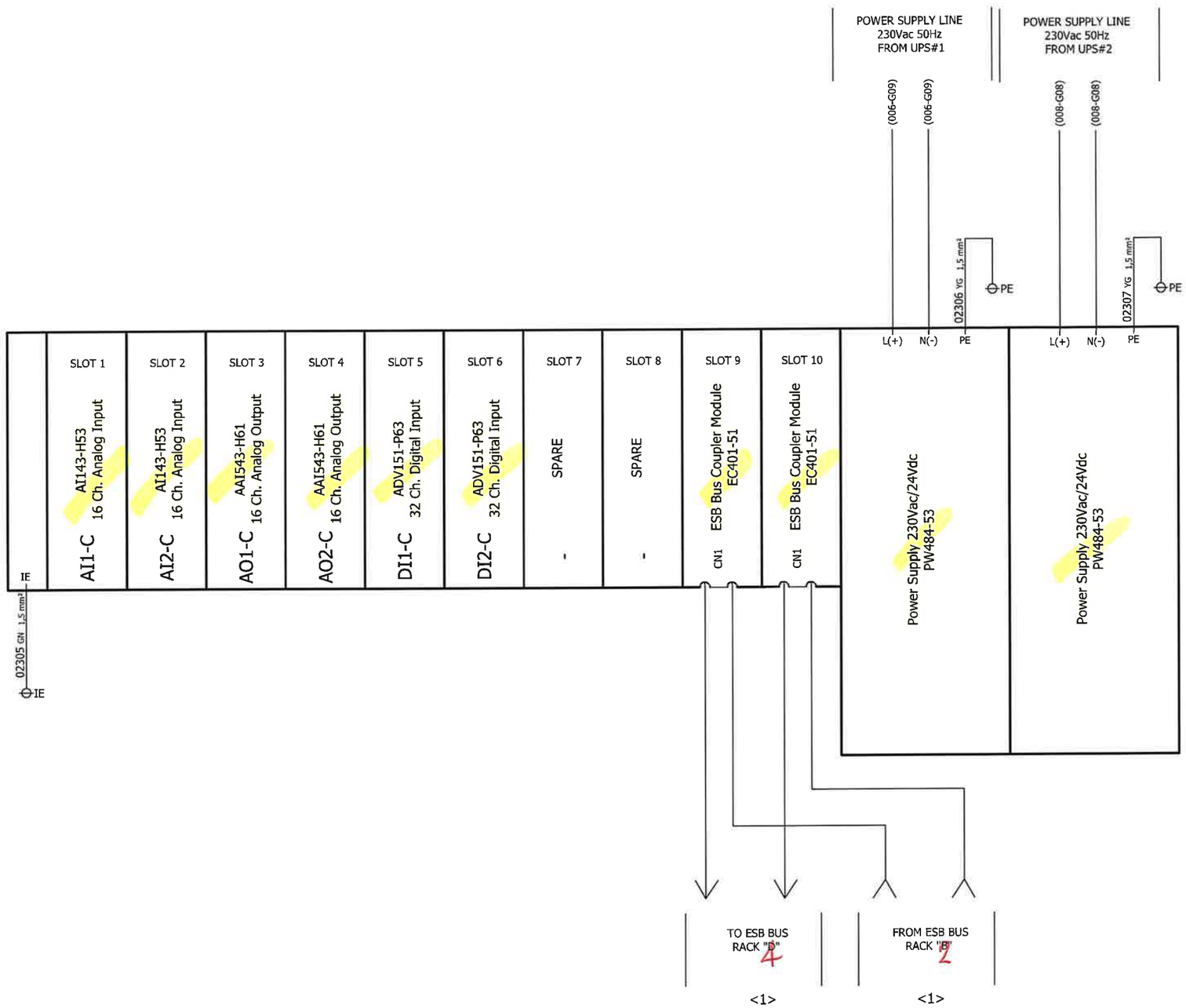
A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 022

REV. 0

PCS PANEL - RACK "C" POWER DISTRIBUTION



1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - RACK "3" POWER DISTRIBUTION

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

SCALE : 1

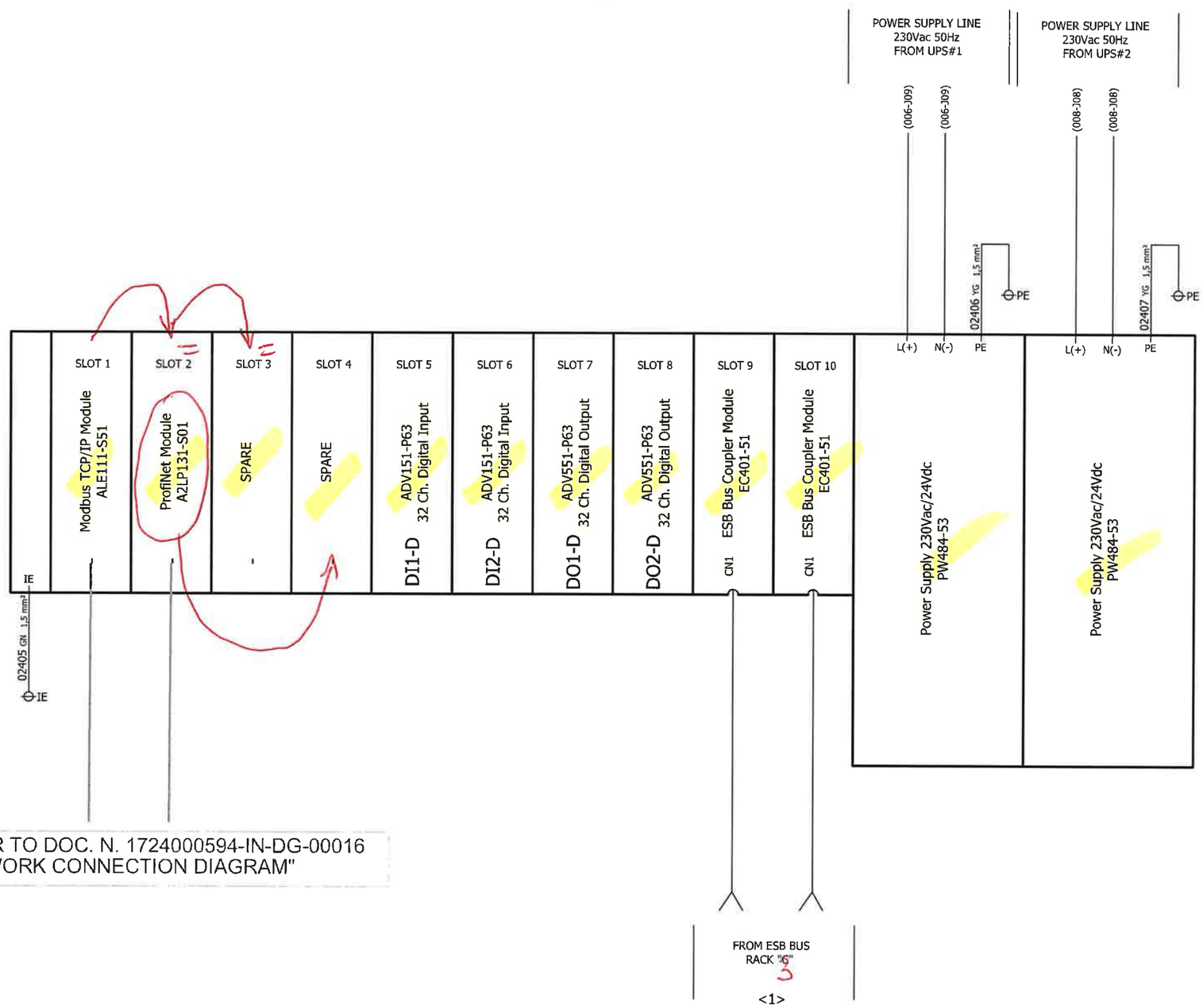
A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 023

REV. 0

PCS PANEL - RACK "D" POWER DISTRIBUTION



1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - RACK "D" POWER DISTRIBUTION

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

SCALE : 1

A3

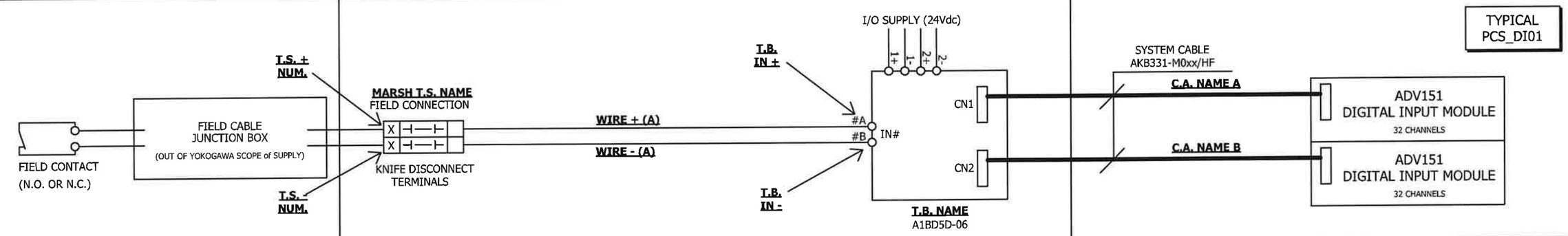
DRAWING NO. 1724000594-IN-DG-00020

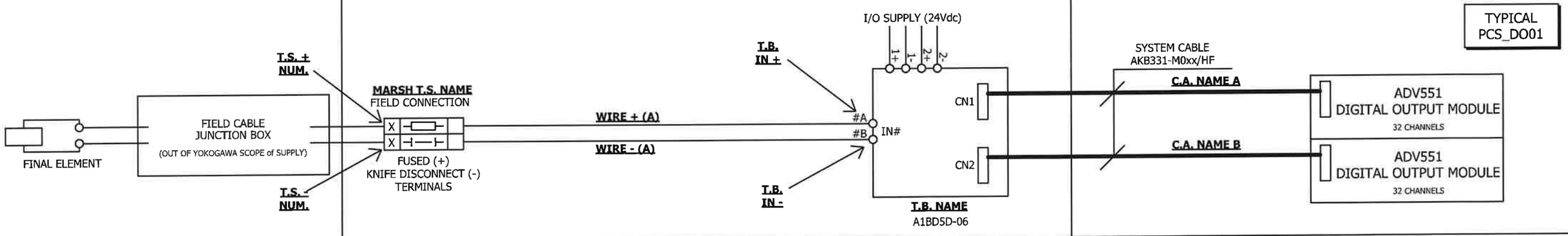
SHEET 024

REV. 0

PCS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT

FIELD | B400-PCS-002 | B400-PCS-001





REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
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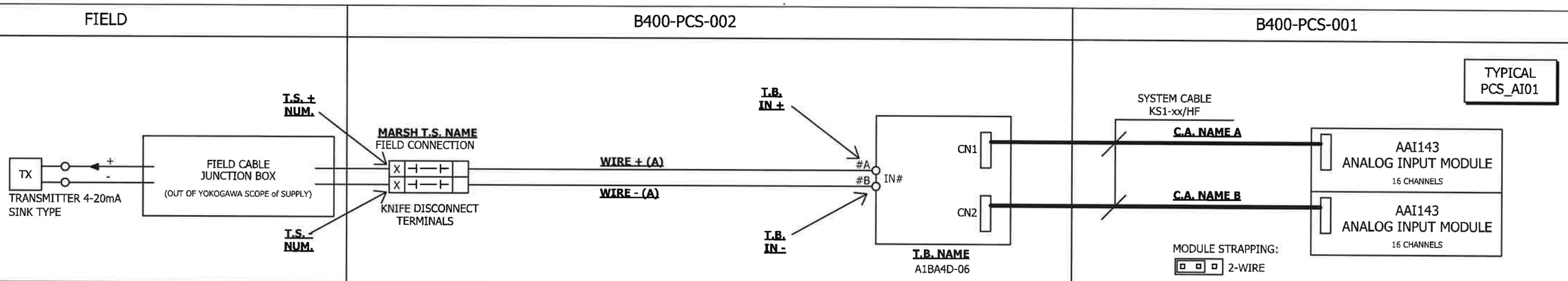
CROSSWIND | ROSETTI MARINO

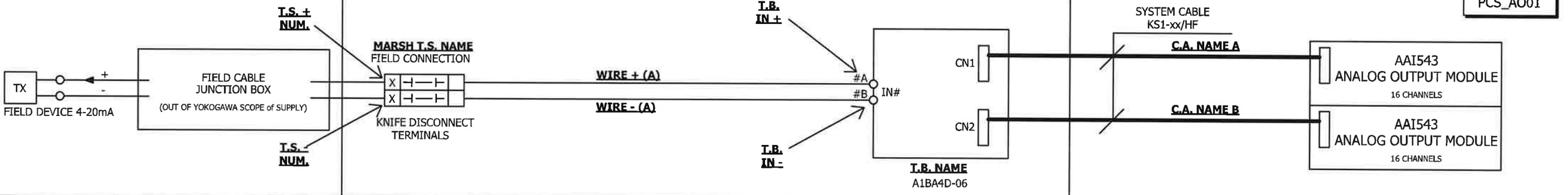
TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT

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

A3 | DRAWING NO. 1724000594-IN-DG-00020 | SHEET 025 | REV. 0

PCS PANEL - TYPICAL WIRING ANALOG INPUT/OUTPUT





REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - TYPICAL WIRING ANALOG INPUT/OUTPUT

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 026

REV. 0

SHEET LEFT INTENTIONALLY BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 027

REV. 0

PCS PANEL -TB-00-JE-11001

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-PT-035	AI	TB-00-JE-11001	01	02	02801	02802	1mm²	BK	WH	TB-01-01	01A	01B	01	01	01	CA_01_01	CA_01_02	PCS_AI01
25-PT-037	AI	TB-00-JE-11001	03	04	02803	02804	1mm²	BK	WH	TB-01-01	02A	02B	01	01	02	CA_01_01	CA_01_02	PCS_AI01
25-PT-040	AI	TB-00-JE-11001	05	06	02805	02806	1mm²	BK	WH	TB-01-01	03A	03B	01	01	03	CA_01_01	CA_01_02	PCS_AI01
25-PT-043	AI	TB-00-JE-11001	07	08	02807	02808	1mm²	BK	WH	TB-01-01	04A	04B	01	01	04	CA_01_01	CA_01_02	PCS_AI01
25-PT-046	AI	TB-00-JE-11001	09	10	02809	02810	1mm²	BK	WH	TB-01-01	05A	05B	01	01	05	CA_01_01	CA_01_02	PCS_AI01
25-PT-049	AI	TB-00-JE-11001	11	12	02811	02812	1mm²	BK	WH	TB-01-01	06A	06B	01	01	06	CA_01_01	CA_01_02	PCS_AI01
WS0101010114	AI	TB-00-JE-11001	21	22	02821	02822	1mm²	BK	WH	TB-01-01	14A	14B	01	01	14	CA_01_01	CA_01_02	PCS_AI01
WS0101010115	AI	TB-00-JE-11001	23	24	02823	02824	1mm²	BK	WH	TB-01-01	15A	15B	01	01	15	CA_01_01	CA_01_02	PCS_AI01
25-PY-035	AO	TB-00-JE-11001	13	14	02813	02814	1mm²	BK	WH	TB-02-03	03A	03B	02	03	03	CA_02_03	CA_02_04	PCS_AO01
25-PY-037	AO	TB-00-JE-11001	15	16	02815	02816	1mm²	BK	WH	TB-02-03	04A	04B	02	03	04	CA_02_03	CA_02_04	PCS_AO01
25-PY-040	AO	TB-00-JE-11001	17	18	02817	02818	1mm²	BK	WH	TB-02-03	05A	05B	02	03	05	CA_02_03	CA_02_04	PCS_AO01
25-PY-043	AO	TB-00-JE-11001	19	20	02819	02820	1mm²	BK	WH	TB-02-03	06A	06B	02	03	06	CA_02_03	CA_02_04	PCS_AO01
25-ZT-035	AI	TB-00-JE-11001	29	30	02829	02830	1mm²	BK	WH	TB-01-01	08A	08B	01	01	08	CA_01_01	CA_01_02	PCS_AI01
25-ZT-037	AI	TB-00-JE-11001	31	32	02831	02832	1mm²	BK	WH	TB-01-01	09A	09B	01	01	09	CA_01_01	CA_01_02	PCS_AI01
25-ZT-040	AI	TB-00-JE-11001	33	34	02833	02834	1mm²	BK	WH	TB-01-01	10A	10B	01	01	10	CA_01_01	CA_01_02	PCS_AI01
25-ZT-043	AI	TB-00-JE-11001	35	36	02835	02836	1mm²	BK	WH	TB-01-01	11A	11B	01	01	11	CA_01_01	CA_01_02	PCS_AI01
25-ZT-046	AI	TB-00-JE-11001	37	38	02837	02838	1mm²	BK	WH	TB-01-01	12A	12B	01	01	12	CA_01_01	CA_01_02	PCS_AI01
25-ZT-049	AI	TB-00-JE-11001	39	40	02839	02840	1mm²	BK	WH	TB-01-01	13A	13B	01	01	13	CA_01_01	CA_01_02	PCS_AI01
SPARE	AI	TB-00-JE-11001	41	42	02841	02842	1mm²	BK	WH	TB-01-01	16A	16B	01	01	16	CA_01_01	CA_01_02	PCS_AI01
WS0101010314	AI	TB-00-JE-11001	43	44	02843	02844	1mm²	BK	WH	TB-01-03	14A	14B	01	03	14	CA_01_03	CA_01_04	PCS_AI01
WS0110010315	AI	TB-00-JE-11001	45	46	02845	02846	1mm²	BK	WH	TB-01-03	15A	15B	01	03	15	CA_01_03	CA_01_04	PCS_AI01
SPARE	AI	TB-00-JE-11001	47	48	02847	02848	1mm²	BK	WH	TB-01-03	16A	16B	01	03	16	CA_01_03	CA_01_04	PCS_AI01
25-PY-046	AO	TB-00-JE-11001	25	26	02825	02826	1mm²	BK	WH	TB-02-03	07A	07B	02	03	07	CA_02_03	CA_02_04	PCS_AO01
25-PY-049	AO	TB-00-JE-11001	27	28	02827	02828	1mm²	BK	WH	TB-02-03	08A	08B	02	03	08	CA_02_03	CA_02_04	PCS_AO01

WIRED SPARE!
(ASSIGN TAG)

GENERAL COMMENT VALID FOR ALL SHEETS FROM 028 TO 043:
DATA MUST BE ORDERED BY ASCENDING NUMBER OF TERMINALS.
IN THIS CASE: FROM 01-02 TO 47-48

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11001

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 028

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
43-FT-001	AI	TB-00-JE-11002	17	18	02917	02918	1mm²	BK	WH	TB-01-01	07A	07B	01	01	07	CA_01_01	CA_01_02	PCS_AI01
25-PT-055A	AI	TB-00-JE-11002	01	02	02901	02902	1mm²	BK	WH	TB-02-01	01A	01B	02	01	01	CA_02_01	CA_02_02	PCS_AI01
25-ZT-055A	AI	TB-00-JE-11002	09	10	02909	02910	1mm²	BK	WH	TB-02-01	02A	02B	02	01	02	CA_02_01	CA_02_02	PCS_AI01
43-PT-001	AI	TB-00-JE-11002	13	14	02913	02914	1mm²	BK	WH	TB-02-01	03A	03B	02	01	03	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11002	15	16	02915	02916	1mm²	BK	WH	TB-02-01	04A	04B	02	01	04	CA_02_01	CA_02_02	PCS_AI01
43-LT-003	AI	TB-00-JE-11002	19	20	02919	02920	1mm²	BK	WH	TB-02-01	05A	05B	02	01	05	CA_02_01	CA_02_02	PCS_AI01
WS0101020108	AI	TB-00-JE-11002	21	22	02921	02922	1mm²	BK	WH	TB-02-01	08A	08B	02	01	08	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11002	23	24	02923	02924	1mm²	BK	WH	TB-02-01	09A	09B	02	01	09	CA_02_01	CA_02_02	PCS_AI01
25-PY-055A	AO	TB-00-JE-11002	05	06	02905	02906	1mm²	BK	WH	TB-02-03	01A	01B	02	03	01	CA_02_03	CA_02_04	PCS_AO01
25-PT-055B	AI	TB-00-JE-11002	03	04	02903	02904	1mm²	BK	WH	TB-03-01	01A	01B	03	01	01	CA_03_01	CA_03_02	PCS_AI01
25-ZT-055B	AI	TB-00-JE-11002	11	12	02911	02912	1mm²	BK	WH	TB-03-01	02A	02B	03	01	02	CA_03_01	CA_03_02	PCS_AI01
25-PY-055B	AO	TB-00-JE-11002	07	08	02907	02908	1mm²	BK	WH	TB-03-03	01A	01B	03	03	01	CA_03_03	CA_03_04	PCS_AO01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11002

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 029

REV. 0

PCS PANEL -TB-00-JE-11003

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-FT-031	AI	TB-00-JE-11003	01	02	03001	03002	1mm²	BK	WH	TB-01-03	01A	01B	01	03	01	CA_01_03	CA_01_04	PCS_AI01
25-FT-032	AI	TB-00-JE-11003	03	04	03003	03004	1mm²	BK	WH	TB-01-03	02A	02B	01	03	02	CA_01_03	CA_01_04	PCS_AI01
25-FT-033	AI	TB-00-JE-11003	05	06	03005	03006	1mm²	BK	WH	TB-01-03	03A	03B	01	03	03	CA_01_03	CA_01_04	PCS_AI01
25-FT-034	AI	TB-00-JE-11003	07	08	03007	03008	1mm²	BK	WH	TB-01-03	04A	04B	01	03	04	CA_01_03	CA_01_04	PCS_AI01
25-FT-038	AI	TB-00-JE-11003	09	10	03009	03010	1mm²	BK	WH	TB-01-03	05A	05B	01	03	05	CA_01_03	CA_01_04	PCS_AI01
25-FT-036	AI	TB-00-JE-11003	11	12	03011	03012	1mm²	BK	WH	TB-01-03	06A	06B	01	03	06	CA_01_03	CA_01_04	PCS_AI01
25-ZT-031	AI	TB-00-JE-11003	31	32	03031	03032	1mm²	BK	WH	TB-01-03	07A	07B	01	03	07	CA_01_03	CA_01_04	PCS_AI01
25-ZT-032	AI	TB-00-JE-11003	33	34	03033	03034	1mm²	BK	WH	TB-01-03	08A	08B	01	03	08	CA_01_03	CA_01_04	PCS_AI01
25-ZT-033	AI	TB-00-JE-11003	35	36	03035	03036	1mm²	BK	WH	TB-01-03	09A	09B	01	03	09	CA_01_03	CA_01_04	PCS_AI01
25-ZT-034	AI	TB-00-JE-11003	37	38	03037	03038	1mm²	BK	WH	TB-01-03	10A	10B	01	03	10	CA_01_03	CA_01_04	PCS_AI01
25-ZT-036	AI	TB-00-JE-11003	39	40	03039	03040	1mm²	BK	WH	TB-01-03	11A	11B	01	03	11	CA_01_03	CA_01_04	PCS_AI01
25-ZT-038	AI	TB-00-JE-11003	41	42	03041	03042	1mm²	BK	WH	TB-01-03	12A	12B	01	03	12	CA_01_03	CA_01_04	PCS_AI01
25-PT-001	AI	TB-00-JE-11003	43	44	03043	03044	1mm²	BK	WH	TB-01-03	13A	13B	01	03	13	CA_01_03	CA_01_04	PCS_AI01
25-FY-031	AO	TB-00-JE-11003	13	14	03013	03014	1mm²	BK	WH	TB-03-03	03A	03B	03	03	03	CA_03_03	CA_03_04	PCS_AO01
25-FY-032	AO	TB-00-JE-11003	15	16	03015	03016	1mm²	BK	WH	TB-03-03	04A	04B	03	03	04	CA_03_03	CA_03_04	PCS_AO01
25-FY-033	AO	TB-00-JE-11003	17	18	03017	03018	1mm²	BK	WH	TB-03-03	05A	05B	03	03	05	CA_03_03	CA_03_04	PCS_AO01
25-FY-038	AO	TB-00-JE-11003	25	26	03025	03026	1mm²	BK	WH	TB-03-03	06A	06B	03	03	06	CA_03_03	CA_03_04	PCS_AO01
25-FY-036	AO	TB-00-JE-11003	27	28	03027	03028	1mm²	BK	WH	TB-03-03	07A	07B	03	03	07	CA_03_03	CA_03_04	PCS_AO01
25-FY-034	AO	TB-00-JE-11003	29	30	03029	03030	1mm²	BK	WH	TB-03-03	08A	08B	03	03	08	CA_03_03	CA_03_04	PCS_AO01
WS0110030309	AO	TB-00-JE-11003	19	20	03019	03020	1mm²	BK	WH	TB-03-03	09A	09B	03	03	09	CA_03_03	CA_03_04	PCS_AO01
WS0110030310	AO	TB-00-JE-11003	21	22	03021	03022	1mm²	BK	WH	TB-03-03	10A	10B	03	03	10	CA_03_03	CA_03_04	PCS_AO01
SPARE	AO	TB-00-JE-11003	23	24	03023	03024	1mm²	BK	WH	TB-03-03	11A	11B	03	03	11	CA_03_03	CA_03_04	PCS_AO01
SPARE	AO	TB-00-JE-11003	45	46	~~03045~~	~~03046~~	~~1mm²~~	~~BK~~	~~WH~~	~~TB-03-03~~	~~12A~~	~~12B~~	~~03~~	~~03~~	~~12~~	~~CA_03_03~~	~~CA_03_04~~	~~PCS_AO01~~
SPARE	AO	TB-00-JE-11003	47	48	~~03047~~	~~03048~~	~~1mm²~~	~~BK~~	~~WH~~	~~TB-03-03~~	~~13A~~	~~13B~~	~~03~~	~~03~~	~~13~~	~~CA_03_03~~	~~CA_03_04~~	~~PCS_AO01~~

GENERAL COMMENT FOR SPARE TERMINALS NOT CONNECTED TO TB

LEAVE BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11003

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 030

REV. 0

PCS PANEL -TB-00-JE-11004

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
64-PT-031A	AI	TB-00-JE-11004	09	10	03109	03110	1mm²	BK	WH	TB-02-01	06A	06B	02	01	06	CA_02_01	CA_02_02	PCS_AI01
64-PY-031A	AO	TB-00-JE-11004	13	14	03113	03114	1mm²	BK	WH	TB-02-03	02A	02B	02	03	02	CA_02_03	CA_02_04	PCS_AO01
50-PT-001	AI	TB-00-JE-11004	01	02	03101	03102	1mm²	BK	WH	TB-03-01	03A	03B	03	01	03	CA_03_01	CA_03_02	PCS_AI01
50-PT-002	AI	TB-00-JE-11004	03	04	03103	03104	1mm²	BK	WH	TB-03-01	04A	04B	03	01	04	CA_03_01	CA_03_02	PCS_AI01
64-PT-031B	AI	TB-00-JE-11004	11	12	03111	03112	1mm²	BK	WH	TB-03-01	05A	05B	03	01	05	CA_03_01	CA_03_02	PCS_AI01
50-TT-001	AI	TB-00-JE-11004	05	06	03105	03106	1mm²	BK	WH	TB-03-01	07A	07B	03	01	07	CA_03_01	CA_03_02	PCS_AI01
50-TT-002	AI	TB-00-JE-11004	07	08	03107	03108	1mm²	BK	WH	TB-03-01	08A	08B	03	01	08	CA_03_01	CA_03_02	PCS_AI01
50-PT-014	AI	TB-00-JE-11004	17	18	03117	03118	1mm²	BK	WH	TB-03-01	09A	09B	03	01	09	CA_03_01	CA_03_02	PCS_AI01
WS0110030112	AI	TB-00-JE-11004	19	20	03119	03120	1mm²	BK	WH	TB-03-01	12A	12B	03	01	12	CA_03_01	CA_03_02	PCS_AI01
WS0101030113	AI	TB-00-JE-11004	21	22	03121	03122	1mm²	BK	WH	TB-03-01	13A	13B	03	01	13	CA_03_01	CA_03_02	PCS_AI01
SPARE	AI	TB-00-JE-11004	23	24	03123	03124	1mm²	BK	WH	TB-03-01	14A	14B	03	01	14	CA_03_01	CA_03_02	PCS_AI01
64-PY-031B	AO	TB-00-JE-11004	15	16	03115	03116	1mm²	BK	WH	TB-03-03	02A	02B	03	03	02	CA_03_03	CA_03_04	PCS_AO01

WIRED SPARE!

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11004

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 031

REV. 0

PCS PANEL -TB-00-JE-11005

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
64-ZT-031A	AI	TB-00-JE-11005	03	04	03203	03204	1mm²	BK	WH	TB-02-01	07A	07B	02	01	07	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11005	07	08	03207	03208	1mm²	BK	WH	TB-02-01	10A	10B	02	01	10	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11005	09	10	03209	03210	1mm²	BK	WH	TB-02-01	11A	11B	02	01	11	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11005	11	12	03211	03212	1mm²	BK	WH	TB-02-01	12A	12B	02	01	12	CA_02_01	CA_02_02	PCS_AI01
64-ZT-031B	AI	TB-00-JE-11005	05	06	03205	03206	1mm²	BK	WH	TB-03-01	06A	06B	03	01	06	CA_03_01	CA_03_02	PCS_AI01
55-LIT-001	AI	TB-00-JE-11005	01	02	03201	03202	1mm²	BK	WH	TB-03-01	10A	10B	03	01	10	CA_03_01	CA_03_02	PCS_AI01

WIRED SPARE!

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11005

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 032

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-006	DI	TB-00-JE-12001	01	02	03301	03302	1mm²	BK	WH	TB-01-05	01A	01B	01	05	01	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-006	DI	TB-00-JE-12001	03	04	03303	03304	1mm²	BK	WH	TB-01-05	02A	02B	01	05	02	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-009	DI	TB-00-JE-12001	05	06	03305	03306	1mm²	BK	WH	TB-01-05	03A	03B	01	05	03	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-009	DI	TB-00-JE-12001	07	08	03307	03308	1mm²	BK	WH	TB-01-05	04A	04B	01	05	04	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-012	DI	TB-00-JE-12001	09	10	03309	03310	1mm²	BK	WH	TB-01-05	05A	05B	01	05	05	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-012	DI	TB-00-JE-12001	11	12	03311	03312	1mm²	BK	WH	TB-01-05	06A	06B	01	05	06	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-015	DI	TB-00-JE-12001	13	14	03313	03314	1mm²	BK	WH	TB-01-05	07A	07B	01	05	07	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-015	DI	TB-00-JE-12001	15	16	03315	03316	1mm²	BK	WH	TB-01-05	08A	08B	01	05	08	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-018	DI	TB-00-JE-12001	17	18	03317	03318	1mm²	BK	WH	TB-01-05	09A	09B	01	05	09	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-018	DI	TB-00-JE-12001	19	20	03319	03320	1mm²	BK	WH	TB-01-05	10A	10B	01	05	10	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-021	DI	TB-00-JE-12001	25	26	03325	03326	1mm²	BK	WH	TB-01-05	11A	11B	01	05	11	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-021	DI	TB-00-JE-12001	27	28	03327	03328	1mm²	BK	WH	TB-01-05	12A	12B	01	05	12	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-046	DI	TB-00-JE-12001	29	30	03329	03330	1mm²	BK	WH	TB-01-05	13A	13B	01	05	13	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-046	DI	TB-00-JE-12001	31	32	03331	03332	1mm²	BK	WH	TB-01-05	14A	14B	01	05	14	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-049	DI	TB-00-JE-12001	33	34	03333	03334	1mm²	BK	WH	TB-01-05	15A	15B	01	05	15	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-049	DI	TB-00-JE-12001	35	36	03335	03336	1mm²	BK	WH	TB-01-05	16A	16B	01	05	16	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-040	DI	TB-00-JE-12001	37	38	03337	03338	1mm²	BK	WH	TB-01-05	17A	17B	01	05	17	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-040	DI	TB-00-JE-12001	39	40	03339	03340	1mm²	BK	WH	TB-01-05	18A	18B	01	05	18	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-043	DI	TB-00-JE-12001	41	42	03341	03342	1mm²	BK	WH	TB-01-05	19A	19B	01	05	19	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-043	DI	TB-00-JE-12001	43	44	03343	03344	1mm²	BK	WH	TB-01-05	20A	20B	01	05	20	CA_01_05	CA_01_06	PCS_DI01
WS0101010525	DI	TB-00-JE-12001	21	22	03321	03322	1mm²	BK	WH	TB-01-05	25A	25B	01	05	25	CA_01_05	CA_01_06	PCS_DI01
WS0101010526	DI	TB-00-JE-12001	23	24	03323	03324	1mm²	BK	WH	TB-01-05	26A	26B	01	05	26	CA_01_05	CA_01_06	PCS_DI01
WS0101010527	DI	TB-00-JE-12001	45	46	03345	03346	1mm²	BK	WH	TB-01-05	27A	27B	01	05	27	CA_01_05	CA_01_06	PCS_DI01
WS0101010528	DI	TB-00-JE-12001	47	48	03347	03348	1mm²	BK	WH	TB-01-05	28A	28B	01	05	28	CA_01_05	CA_01_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12001

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 033

REV. 0

PCS PANEL -TB-00-JE-12002

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-035	DI	TB-00-JE-12002	01	02	03401	03402	1mm²	BK	WH	TB-01-05	21A	21B	01	05	21	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-035	DI	TB-00-JE-12002	03	04	03403	03404	1mm²	BK	WH	TB-01-05	22A	22B	01	05	22	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-037	DI	TB-00-JE-12002	05	06	03405	03406	1mm²	BK	WH	TB-01-05	23A	23B	01	05	23	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-037	DI	TB-00-JE-12002	07	08	03407	03408	1mm²	BK	WH	TB-01-05	24A	24B	01	05	24	CA_01_05	CA_01_06	PCS_DI01
SPARE	DI	TB-00-JE-12002	09	10	03409	03410	1mm²	BK	WH	TB-01-05	29A	29B	01	05	29	CA_01_05	CA_01_06	PCS_DI01
SPARE	DI	TB-00-JE-12002	11	12	03411	03412	1mm²	BK	WH	TB-01-05	30A	30B	01	05	30	CA_01_05	CA_01_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12002

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 034

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-035	DI	TB-00-JE-12002	01	02	03401	03402	1mm²	BK	WH	TB-01-05	21A	21B	01	05	21	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-035	DI	TB-00-JE-12002	03	04	03403	03404	1mm²	BK	WH	TB-01-05	22A	22B	01	05	22	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-037	DI	TB-00-JE-12002	05	06	03405	03406	1mm²	BK	WH	TB-01-05	23A	23B	01	05	23	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-037	DI	TB-00-JE-12002	07	08	03407	03408	1mm²	BK	WH	TB-01-05	24A	24B	01	05	24	CA_01_05	CA_01_06	PCS_DI01
SPARE	DI	TB-00-JE-12002	09	10	03409	03410	1mm²	BK	WH	TB-01-05	29A	29B	01	05	29	CA_01_05	CA_01_06	PCS_DI01
SPARE	DI	TB-00-JE-12002	11	12	03411	03412	1mm²	BK	WH	TB-01-05	30A	30B	01	05	30	CA_01_05	CA_01_06	PCS_DI01

TO BE REPLACED WITH TB-00-JE-12003
(INCLUDING SPARE TERMINALS UP TO 24)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12003

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 035

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-004	DI	TB-00-JE-12004	01	02	03601	03602	1mm²	BK	WH	TB-02-05	07A	07B	02	05	07	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-004	DI	TB-00-JE-12004	03	04	03603	03604	1mm²	BK	WH	TB-02-05	08A	08B	02	05	08	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-008	DI	TB-00-JE-12004	05	06	03605	03606	1mm²	BK	WH	TB-02-05	09A	09B	02	05	09	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-008	DI	TB-00-JE-12004	07	08	03607	03608	1mm²	BK	WH	TB-02-05	10A	10B	02	05	10	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-011	DI	TB-00-JE-12004	09	10	03609	03610	1mm²	BK	WH	TB-02-05	11A	11B	02	05	11	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-011	DI	TB-00-JE-12004	11	12	03611	03612	1mm²	BK	WH	TB-02-05	12A	12B	02	05	12	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-014	DI	TB-00-JE-12004	13	14	03613	03614	1mm²	BK	WH	TB-02-05	13A	13B	02	05	13	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-014	DI	TB-00-JE-12004	15	16	03615	03616	1mm²	BK	WH	TB-02-05	14A	14B	02	05	14	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-017	DI	TB-00-JE-12004	17	18	03617	03618	1mm²	BK	WH	TB-02-05	15A	15B	02	05	15	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-017	DI	TB-00-JE-12004	19	20	03619	03620	1mm²	BK	WH	TB-02-05	16A	16B	02	05	16	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-020	DI	TB-00-JE-12004	25	26	03625	03626	1mm²	BK	WH	TB-02-05	17A	17B	02	05	17	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-020	DI	TB-00-JE-12004	27	28	03627	03628	1mm²	BK	WH	TB-02-05	18A	18B	02	05	18	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-031	DI	TB-00-JE-12004	29	30	03629	03630	1mm²	BK	WH	TB-02-05	19A	19B	02	05	19	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-031	DI	TB-00-JE-12004	31	32	03631	03632	1mm²	BK	WH	TB-02-05	20A	20B	02	05	20	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-032	DI	TB-00-JE-12004	33	34	03633	03634	1mm²	BK	WH	TB-02-05	21A	21B	02	05	21	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-032	DI	TB-00-JE-12004	35	36	03635	03636	1mm²	BK	WH	TB-02-05	22A	22B	02	05	22	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-033	DI	TB-00-JE-12004	37	38	03637	03638	1mm²	BK	WH	TB-02-05	23A	23B	02	05	23	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-033	DI	TB-00-JE-12004	39	40	03639	03640	1mm²	BK	WH	TB-02-05	24A	24B	02	05	24	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-034	DI	TB-00-JE-12004	41	42	03641	03642	1mm²	BK	WH	TB-02-05	25A	25B	02	05	25	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-034	DI	TB-00-JE-12004	43	44	03643	03644	1mm²	BK	WH	TB-02-05	26A	26B	02	05	26	CA_02_05	CA_02_06	PCS_DI01
WS0101020527	DI	TB-00-JE-12004	21	22	03621	03622	1mm²	BK	WH	TB-02-05	27A	27B	02	05	27	CA_02_05	CA_02_06	PCS_DI01
WS0101020528	DI	TB-00-JE-12004	23	24	03623	03624	1mm²	BK	WH	TB-02-05	28A	28B	02	05	28	CA_02_05	CA_02_06	PCS_DI01
WS0110020529	DI	TB-00-JE-12004	45	46	03645	03646	1mm²	BK	WH	TB-02-05	29A	29B	02	05	29	CA_02_05	CA_02_06	PCS_DI01
WS0110020530	DI	TB-00-JE-12004	47	48	03647	03648	1mm²	BK	WH	TB-02-05	30A	30B	02	05	30	CA_02_05	CA_02_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12004

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 036

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-036	DI	TB-00-JE-12005	01	02	03701	03702	1mm²	BK	WH	TB-03-05	05A	05B	03	05	05	CA_03_05	CA_03_06	PCS_DI01
25-ZSH-036	DI	TB-00-JE-12005	03	04	03703	03704	1mm²	BK	WH	TB-03-05	06A	06B	03	05	06	CA_03_05	CA_03_06	PCS_DI01
25-ZSL-038	DI	TB-00-JE-12005	05	06	03705	03706	1mm²	BK	WH	TB-03-05	07A	07B	03	05	07	CA_03_05	CA_03_06	PCS_DI01
25-ZSH-038	DI	TB-00-JE-12005	07	08	03707	03708	1mm²	BK	WH	TB-03-05	08A	08B	03	05	08	CA_03_05	CA_03_06	PCS_DI01
25-ZSL-024	DI	TB-00-JE-12005	09	10	03709	03710	1mm²	BK	WH	TB-03-05	09A	09B	03	05	09	CA_03_05	CA_03_06	PCS_DI01
25-ZSH-024	DI	TB-00-JE-12005	11	12	03711	03712	1mm²	BK	WH	TB-03-05	10A	10B	03	05	10	CA_03_05	CA_03_06	PCS_DI01
WS0101030519	DI	TB-00-JE-12005	13	14	03713	03714	1mm²	BK	WH	TB-03-05	19A	19B	03	05	19	CA_03_05	CA_03_06	PCS_DI01
WS0101030520	DI	TB-00-JE-12005	15	16	03715	03716	1mm²	BK	WH	TB-03-05	20A	20B	03	05	20	CA_03_05	CA_03_06	PCS_DI01
WS0101030521	DI	TB-00-JE-12005	17	18	03717	03718	1mm²	BK	WH	TB-03-05	21A	21B	03	05	21	CA_03_05	CA_03_06	PCS_DI01
WS0101030522	DI	TB-00-JE-12005	19	20	03719	03720	1mm²	BK	WH	TB-03-05	22A	22B	03	05	22	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12005	21	22	03721	03722	1mm²	BK	WH	TB-03-05	23A	23B	03	05	23	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12005	23	24	03723	03724	1mm²	BK	WH	TB-03-05	24A	24B	03	05	24	CA_03_05	CA_03_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12005

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 037

REV. 0

NEW SIGNALS TO BE WIRED (P009)

50-ZSL-005

50-ZSH-005

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
64-ZSL-031A	DI	TB-00-JE-12006	25	26	03825	03826	1mm²	BK	WH	TB-02-05	03A	03B	02	05	03	CA_02_05	CA_02_06	PCS_DI01
64-ZSH-031A	DI	TB-00-JE-12006	27	28	03827	03828	1mm²	BK	WH	TB-02-05	04A	04B	02	05	04	CA_02_05	CA_02_06	PCS_DI01
64-ZSL-031B	DI	TB-00-JE-12006	29	30	03829	03830	1mm²	BK	WH	TB-03-05	03A	03B	03	05	03	CA_03_05	CA_03_06	PCS_DI01
64-ZSH-031B	DI	TB-00-JE-12006	31	32	03831	03832	1mm²	BK	WH	TB-03-05	04A	04B	03	05	04	CA_03_05	CA_03_06	PCS_DI01
50-ZSL-001	DI	TB-00-JE-12006	01	02	03801	03802	1mm²	BK	WH	TB-03-05	11A	11B	03	05	11	CA_03_05	CA_03_06	PCS_DI01
50-ZSH-001	DI	TB-00-JE-12006	03	04	03803	03804	1mm²	BK	WH	TB-03-05	12A	12B	03	05	12	CA_03_05	CA_03_06	PCS_DI01
50-ZSL-002	DI	TB-00-JE-12006	05	06	03805	03806	1mm²	BK	WH	TB-03-05	13A	13B	03	05	13	CA_03_05	CA_03_06	PCS_DI01
50-ZSH-002	DI	TB-00-JE-12006	07	08	03807	03808	1mm²	BK	WH	TB-03-05	14A	14B	03	05	14	CA_03_05	CA_03_06	PCS_DI01
50-ZSL-003	DI	TB-00-JE-12006	09	10	03809	03810	1mm²	BK	WH	TB-03-05	15A	15B	03	05	15	CA_03_05	CA_03_06	PCS_DI01
50-ZSH-003	DI	TB-00-JE-12006	11	12	03811	03812	1mm²	BK	WH	TB-03-05	16A	16B	03	05	16	CA_03_05	CA_03_06	PCS_DI01
50-ZSL-004	DI	TB-00-JE-12006	13	14	03813	03814	1mm²	BK	WH	TB-03-05	17A	17B	03	05	17	CA_03_05	CA_03_06	PCS_DI01
50-ZSH-004	DI	TB-00-JE-12006	15	16	03815	03816	1mm²	BK	WH	TB-03-05	18A	18B	03	05	18	CA_03_05	CA_03_06	PCS_DI01
~~SPARE~~	DI	TB-00-JE-12006	17	18	03817	03818	1mm²	BK	WH	TB-03-05	25A	25B	03	05	25	CA_03_05	CA_03_06	PCS_DI01
~~SPARE~~	DI	TB-00-JE-12006	19	20	03819	03820	1mm²	BK	WH	TB-03-05	26A	26B	03	05	26	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	21	22	03821	03822	1mm²	BK	WH	TB-03-05	27A	27B	03	05	27	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	23	24	03823	03824	1mm²	BK	WH	TB-03-05	28A	28B	03	05	28	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	33	34	03833	03834	1mm²	BK	WH	TB-03-05	29A	29B	03	05	29	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	35	36	03835	03836	1mm²	BK	WH	TB-03-05	30A	30B	03	05	30	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	37	38	03837	03838	1mm²	BK	WH	TB-03-05	31A	31B	03	05	31	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	39	40	03839	03840	1mm²	BK	WH	TB-03-05	32A	32B	03	05	32	CA_03_05	CA_03_06	PCS_DI01
WS0101040513	DI	TB-00-JE-12006	41	42	03841	03842	1mm²	BK	WH	TB-04-05	13A	13B	04	05	13	CA_04_05	CA_04_06	PCS_DI01
WS0110040514	DI	TB-00-JE-12006	43	44	03843	03844	1mm²	BK	WH	TB-04-05	14A	14B	04	05	14	CA_04_05	CA_04_06	PCS_DI01
WS0110040515	DI	TB-00-JE-12006	45	46	03845	03846	1mm²	BK	WH	TB-04-05	15A	15B	04	05	15	CA_04_05	CA_04_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	47	48	03847	03848	1mm²	BK	WH	TB-04-05	20A	20B	04	05	20	CA_04_05	CA_04_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12006

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 038

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-XY-006	DO	TB-00-JE-13001	01	02	03901	03902	1mm²	BK	WH	TB-04-07	01A	01B	04	07	01	CA_04_07	CA_04_08	PCS_DO01
25-XY-009	DO	TB-00-JE-13001	03	04	03903	03904	1mm²	BK	WH	TB-04-07	02A	02B	04	07	02	CA_04_07	CA_04_08	PCS_DO01
25-XY-012	DO	TB-00-JE-13001	05	06	03905	03906	1mm²	BK	WH	TB-04-07	03A	03B	04	07	03	CA_04_07	CA_04_08	PCS_DO01
25-XY-015	DO	TB-00-JE-13001	07	08	03907	03908	1mm²	BK	WH	TB-04-07	04A	04B	04	07	04	CA_04_07	CA_04_08	PCS_DO01
25-XY-018	DO	TB-00-JE-13001	09	10	03909	03910	1mm²	BK	WH	TB-04-07	05A	05B	04	07	05	CA_04_07	CA_04_08	PCS_DO01
25-XY-021	DO	TB-00-JE-13001	11	12	03911	03912	1mm²	BK	WH	TB-04-07	06A	06B	04	07	06	CA_04_07	CA_04_08	PCS_DO01
80-XY-001	DO	TB-00-JE-13001	13	14	03913	03914	1mm²	BK	WH	TB-04-07	18A	18B	04	07	18	CA_04_07	CA_04_08	PCS_DO01
WS0101040719	DO	TB-00-JE-13001	17	18	03917	03918	1mm²	BK	WH	TB-04-07	19A	19B	04	07	19	CA_04_07	CA_04_08	PCS_DO01
WS0101040720	DO	TB-00-JE-13001	19	20	03919	03920	1mm²	BK	WH	TB-04-07	20A	20B	04	07	20	CA_04_07	CA_04_08	PCS_DO01
WS0101040721	DO	TB-00-JE-13001	21	22	03921	03922	1mm²	BK	WH	TB-04-07	21A	21B	04	07	21	CA_04_07	CA_04_08	PCS_DO01
WS0101040722	DO	TB-00-JE-13001	23	24	03923	03924	1mm²	BK	WH	TB-04-07	22A	22B	04	07	22	CA_04_07	CA_04_08	PCS_DO01

ADD TERMINALS 15-16 FOR 24VDC POWER SUPPLY TO 43-FT-001 (FROM SHEET 020)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-13001

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 039

REV. 0

PCS PANEL -TB-00-JE-13002

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-XY-004	DO	TB-00-JE-13002	01	02	04001	04002	1mm²	BK	WH	TB-04-07	07A	07B	04	07	07	CA_04_07	CA_04_08	PCS_DO01
25-XY-008	DO	TB-00-JE-13002	03	04	04003	04004	1mm²	BK	WH	TB-04-07	08A	08B	04	07	08	CA_04_07	CA_04_08	PCS_DO01
25-XY-011	DO	TB-00-JE-13002	05	06	04005	04006	1mm²	BK	WH	TB-04-07	09A	09B	04	07	09	CA_04_07	CA_04_08	PCS_DO01
25-XY-014	DO	TB-00-JE-13002	07	08	04007	04008	1mm²	BK	WH	TB-04-07	10A	10B	04	07	10	CA_04_07	CA_04_08	PCS_DO01
25-XY-017	DO	TB-00-JE-13002	09	10	04009	04010	1mm²	BK	WH	TB-04-07	11A	11B	04	07	11	CA_04_07	CA_04_08	PCS_DO01
25-XY-020	DO	TB-00-JE-13002	11	12	04011	04012	1mm²	BK	WH	TB-04-07	12A	12B	04	07	12	CA_04_07	CA_04_08	PCS_DO01
25-XY-024	DO	TB-00-JE-13002	13	14	04013	04014	1mm²	BK	WH	TB-04-07	13A	13B	04	07	13	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	13	14	04013	04014	1mm²	BK	WH	TB-04-07	13A	13B	04	07	13	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	15	16	04015	04016	1mm²	BK	WH	TB-04-07	24A	24B	04	07	24	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	17	18	04017	04018	1mm²	BK	WH	TB-04-07	25A	25B	04	07	25	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	19	20	04019	04020	1mm²	BK	WH	TB-04-07	26A	26B	04	07	26	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	21	22	04021	04022	1mm²	BK	WH	TB-04-07	27A	27B	04	07	27	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	23	24	04023	04024	1mm²	BK	WH	TB-04-07	28A	28B	04	07	28	CA_04_07	CA_04_08	PCS_DO01

REMOVE DUPLICATED TERMINALS!

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-13002

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 040

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
50-XY-001	DO	TB-00-JE-13003	01	02	04101	04102	1mm²	BK	WH	TB-04-07	14A	14B	04	07	14	CA_04_07	CA_04_08	PCS_DO01
50-XY-002	DO	TB-00-JE-13003	03	04	04103	04104	1mm²	BK	WH	TB-04-07	15A	15B	04	07	15	CA_04_07	CA_04_08	PCS_DO01
50-XY-003	DO	TB-00-JE-13003	05	06	04105	04106	1mm²	BK	WH	TB-04-07	16A	16B	04	07	16	CA_04_07	CA_04_08	PCS_DO01
50-XY-004	DO	TB-00-JE-13003	07	08	04107	04108	1mm²	BK	WH	TB-04-07	17A	17B	04	07	17	CA_04_07	CA_04_08	PCS_DO01
~~SPARE~~	DO	TB-00-JE-13003	09	10	04109	04110	1mm²	BK	WH	TB-04-07	29A	29B	04	07	29	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13003	~~11~~	12	04111	04112	~~1mm²~~	BK	WH	~~TB-04-07~~	30A	30B	04	07	30	CA_04_07	CA_04_08	PCS_DO01
~~SPARE~~	~~DO~~	~~TB-00-JE-13003~~	~~13~~	~~14~~	~~04113~~	~~04114~~	~~1mm²~~	~~BK~~	~~WH~~	~~TB-04-07~~	~~31A~~	~~31B~~	~~04~~	~~07~~	~~31~~	~~CA_04_07~~	~~CA_04_08~~	~~PCS_DO01~~
~~SPARE~~	~~DO~~	~~TB-00-JE-13003~~	~~15~~	~~16~~	~~04115~~	~~04116~~	~~1mm²~~	~~BK~~	~~WH~~	~~TB-04-07~~	~~32A~~	~~32B~~	~~04~~	~~07~~	~~32~~	~~CA_04_07~~	~~CA_04_08~~	~~PCS_DO01~~

THESE TERMINALS ARE NOT FORESEEN ON THIS TERMINAL STRIP.

NEW SIGNAL TO BE WIRED : 50-XY-005 (P009)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-13003

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 041

REV. 0

PCS PANEL -TB-00-JE-BX00

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
B100-TDC-001	DI	TB-00-JE-BX00	01	02	04201	04202	1mm²	BK	WH	TB-04-05	01A	01B	04	05	01	CA_04_05	CA_04_06	PCS_DI01
B100-TDC-002	DI	TB-00-JE-BX00	03	04	04203	04204	1mm²	BK	WH	TB-04-05	02A	02B	04	05	02	CA_04_05	CA_04_06	PCS_DI01
B100-TIR-001	DI	TB-00-JE-BX00	05 e 07	06 e 08	04205 e 07	04206 e 08	1mm²	BK	WH	TB-04-05	03A	03B	04	05	03	CA_04_05	CA_04_06	PCS_DI01
B200-TDC-001	DI	TB-00-JE-BX00	09	10	04209	04210	1mm²	BK	WH	TB-04-05	04A	04B	04	05	04	CA_04_05	CA_04_06	PCS_DI01
B200-TDC-002	DI	TB-00-JE-BX00	11	12	04211	04212	1mm²	BK	WH	TB-04-05	05A	05B	04	05	05	CA_04_05	CA_04_06	PCS_DI01
B200-TIR-001	DI	TB-00-JE-BX00	13 e 15	14 e 16	04213 e 15	04214 e 16	1mm²	BK	WH	TB-04-05	06A	06B	04	05	06	CA_04_05	CA_04_06	PCS_DI01
B300-TDC-001	DI	TB-00-JE-BX00	17	18	04217	04218	1mm²	BK	WH	TB-04-05	07A	07B	04	05	07	CA_04_05	CA_04_06	PCS_DI01
B300-TDC-002	DI	TB-00-JE-BX00	19	20	04219	04220	1mm²	BK	WH	TB-04-05	08A	08B	04	05	08	CA_04_05	CA_04_06	PCS_DI01
B300-TIR-001	DI	TB-00-JE-BX00	21 e 23	22 e 24	04221 e 23	04222 e 24	1mm²	BK	WH	TB-04-05	09A	09B	04	05	09	CA_04_05	CA_04_06	PCS_DI01
B400-TDC-001	DI	TB-00-JE-BX00	25	26	04225	04226	1mm²	BK	WH	TB-04-05	10A	10B	04	05	10	CA_04_05	CA_04_06	PCS_DI01
B400-TDC-002	DI	TB-00-JE-BX00	27	28	04227	04228	1mm²	BK	WH	TB-04-05	11A	11B	04	05	11	CA_04_05	CA_04_06	PCS_DI01
B400-TIR-001	DI	TB-00-JE-BX00	29 e 31	30 e 32	04229 e 31	04230 e 32	1mm²	BK	WH	TB-04-05	12A	12B	04	05	12	CA_04_05	CA_04_06	PCS_DI01

TERMINALS 07-08 / 15-16 / 23-24 / 31-32 ARE DEDICATED TO 12VDC POWER SUPPLY TO "TIR" MOTION DETECTORS (COMING FROM SHEET 015)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-BX00

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 042

REV. 0

PCS PANEL -TB-C-63-PT-003

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
63-PT-003	AI	TB-C-63-PT-003	01	02	04301	04302	1mm²	BK	WH	TB-03-01	11A	11B	03	01	11	CA_03_01	CA_03_02	PCS_AI01

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-C-63-PT-003

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

SCALE : 1

A3

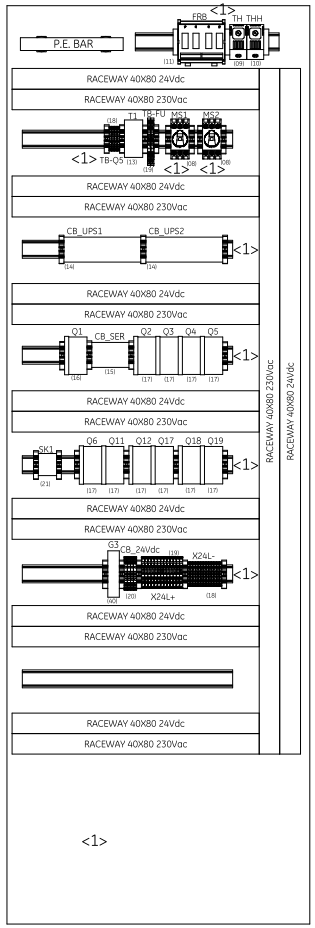
DRAWING NO. 1724000594-IN-DG-00020

SHEET 043

REV. 0

PCS PANEL - FRONT SIDE INTERNAL VIEWS

LEFT SIDE



<1>

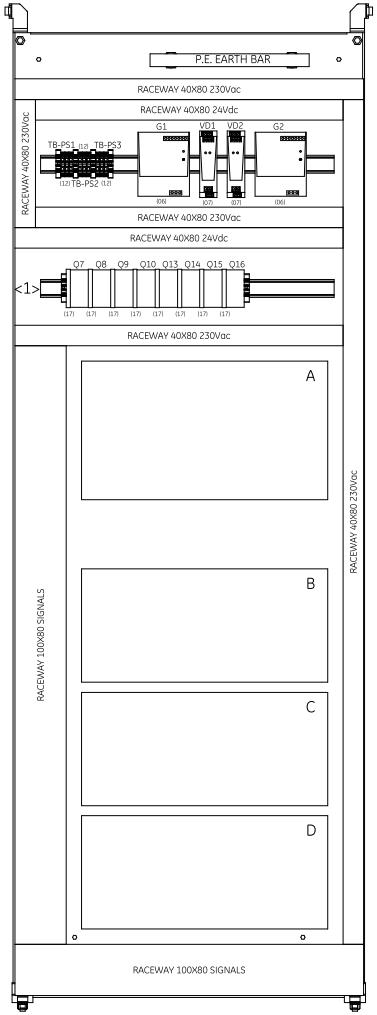
DEVICE "A"
(22) -AFV30D-A41262
(23) -N: 4: AAI143-H53
(29) -N: 2: ADV151-P63 <1>
(24) -N: 2: EC401-51
(25) -N: 2: CP471-01
(26) -N: 2: PW484-53

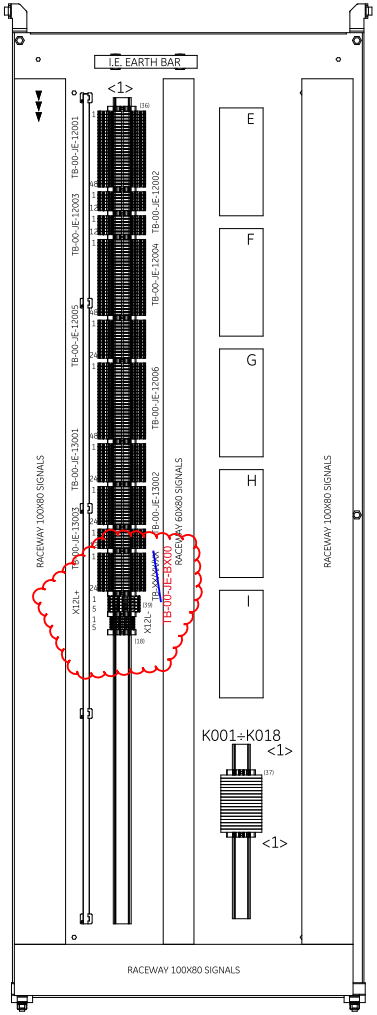
DEVICE "B"
(27) -ANB10D-426/CU2N
(23) -N: 2: AAI143-H53
(28) -N: 2: AAI543-H61 <1>
(29) -N: 2: ADV151-P63 <1>
-N: 2: SPARE <1>
(24) -N: 2: EC401-51
(26) -N: 2: PW484-53

DEVICE "C"
(27) -ANB10D-426/CU2N
(23) -N: 2: AAI143-H53 <1>
(28) -N: 2: AAI543-H61 <1>
(29) -N: 2: ADV151-P63 <1>
-N: 2: SPARE <1>
(24) -N: 2: EC401-51
(26) -N: 2: PW484-53

DEVICE "D"
(30) -ANB10D-426/CU2T <1>
(32) -N: 1: ALE111-S51 <1>
(33) -N: 1: A2LP131-S01 <1>
-N: 2: SPARE <1>
(29) -N: 2: ADV151-P63 <1>
(31) -N: 2: ADV551-P63
(24) -N: 2: EC401-51
(26) -N: 2: PW484-53

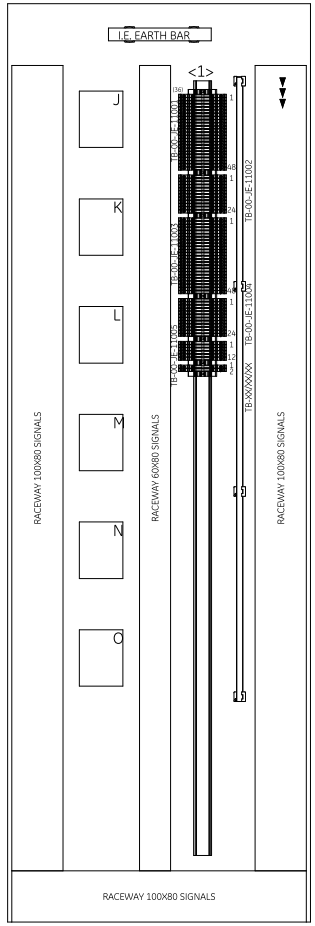
FRONT PLATE





DEVICE "E" (34) A1BD5D-06
DEVICE "F" (34) A1BD5D-06
DEVICE "G" (34) A1BD5D-06
DEVICE "H" (34) A1BD5D-06
DEVICE "I" (34) A1BD5D-06

RIGHT SIDE



DEVICE "J" (35) A1BA4D-06
DEVICE "K" (35) A1BA4D-06
DEVICE "L" (35) A1BA4D-06
DEVICE "M" (35) A1BA4D-06
DEVICE "N" (35) A1BA4D-06
DEVICE "O" (35) A1BA4D-06

= CABLE ENTRY

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
FRONT SIDE INTERNAL VIEWS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 014

REV. 1

ITEM	Tag	B400-PCS-002	: PCS Marshalling Cabinet			Dwg	123A90-DDL-IN-DL-40012
	S/Sys	87-10	: Process Control System (PCS)			Module	LD_B-400
TASK	code	C10000843		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	MC	Activity CCK	Discipline	Instrumental Form CJX48		Indoor Cabinet/Panel

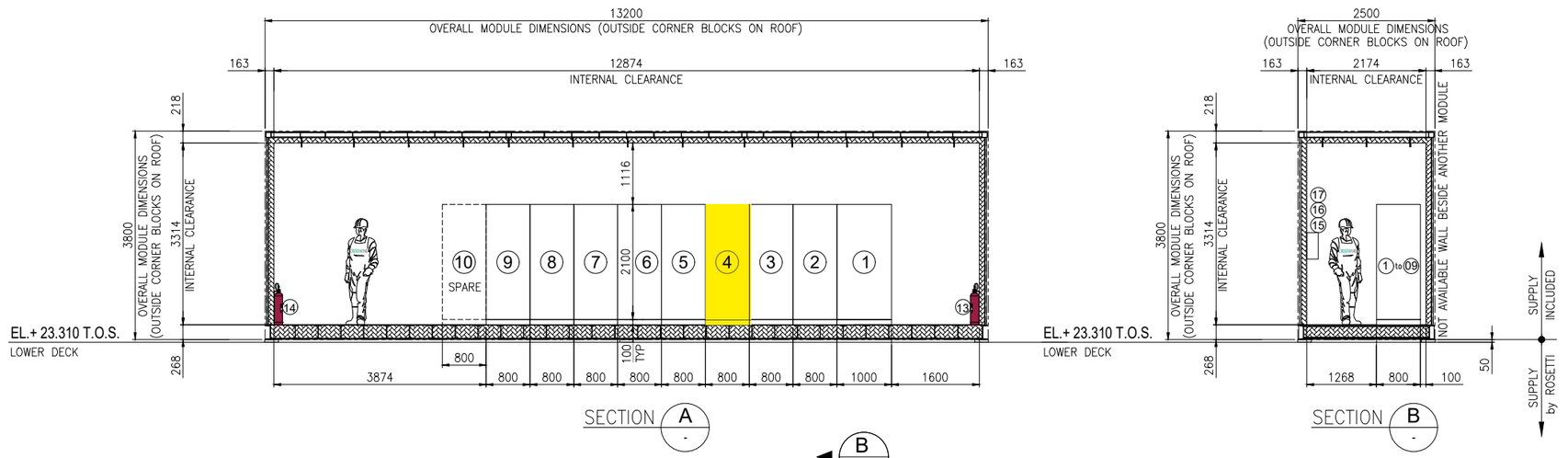
1	Check for mechanical damage (Panel and internal items).	OK
2	Check that the Panel is de-energized and safe.	OK
3	Check identification (tag number, tag plates).	OK
4	Check supporting and protection against vibrations.	OK
5	Check door handles (type, locking, …).	PL
6	Check data sheet and general arrangement are conforms to drawings.	NA
7	Check internal layout conforms to drawings.	PL
8	Check signals segregation conforms to specifications.	OK
9	Check that anti-condensation heaters are ready to be energized.	OK
10	Check earthing connections are properly fixed and tightened.	OK
11	Check incoming cables identification .	OK
12	Check if accessibility and maintenance are possible and safe.	OK
13	If required produce Red Line Mark Up for "AS BUILT"	

Comments: ote refer to punch list raised during FAT

Note 6 : C30000222/C30000225/C30000375/C30000378/C30000384.

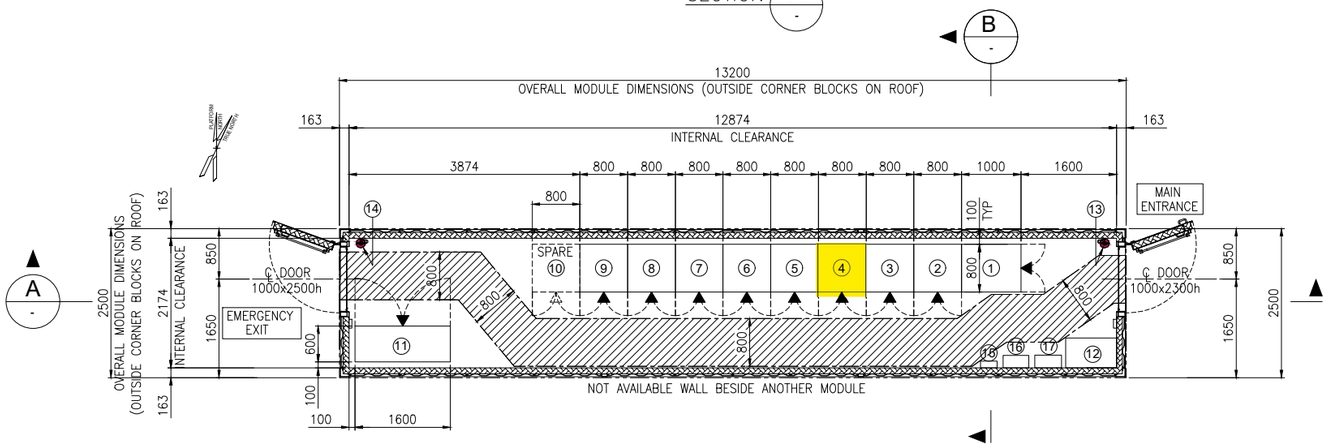
	Performed by	● WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ICS IMPIANTI	RM (ROSETTI MARINO)	
Name	Carmelo Bongiovanni	Giovanni Tangianu	
Date	2024-11-06	2024-11-22	
Signature	PROVERLIS Digitaly signed by Carmelo Bongiovanni 2024-11-06T17:20:59.273Z	PROVERLIS Digitaly signed by Giovanni Tangianu 2024-11-22T14:55:15.669Z	

DRAWING NO. 123A90-DDL-IN-DL-40012 REV. 03



SECTION A -

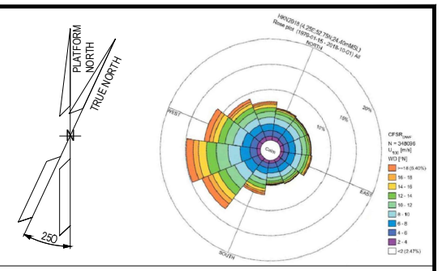
SECTION B -



EQUIPMENT LAYOUT
"B-400" I&T EQUIPMENT ROOM
BOTTOM PLAN

EQUIPMENT LIST

REF.	TAG No.	DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	NOTE
1	B400-SRV-001	SERVER CABINET	1000	800	2100	
2	B400-NET-001	NETWORK CABINET	800	800	2100	
3	B400-EMCS-001	EMCS SYSTEM CABINET	800	800	2100	
4	B400-PCS-002	PCS MARSHALLING CABINET	800	800	2100	
5	B400-PCS-001	PCS SYSTEM CABINET 03	800	800	2100	
6	B400-FGS-003	FGS MARSHALLING CABINET 2	800	800	2100	
7	B400-FGS-002	FGS MARSHALLING CABINET 1	800	800	2100	
8	B400-FGS-001	FGS SYSTEM CABINET	800	800	2100	
9	B400-SIS-001	SIS SYSTEM/MARSHALLING CABINET	800	800	2100	
10	-	SPARE				
11	B400-HSB-001	DISTRIBUTION & HVAC PANEL - I&T ROOM	1600	600	2300	
12	-	TABLE	850	500	750	
13	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
14	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.	150	150	750	
15	-	FIRST AID KIT	280	115	200	
16	-	RESUSCITATION UNIT	430	210	480	
17	-	CABINET INCLUDED N.10 ESCAPE MASK	448	213	422	



NOTES

1. U.N.O. ALL DIMENSIONS ARE IN MILLIMETERS.
2. DOCUMENT VALID ONLY FOR INSTRUMENT COMPONENT, FOR OTHER SCOPE LOCATION AND INFORMATION, PLEASE REFER TO VENDORS AND PROJECT DOCUMENTS.

LEGEND

U.N.O. _____ UNLESS NOTED OTHERWISE
T.O.S. _____ TOP OF STEEL
_____ ESCAPE CORRIDOR – WIDTH 800mm.
_____ EQUIPMENT ROOM ENCLOUSURE
_____ FRONT OF EQUIPMENT

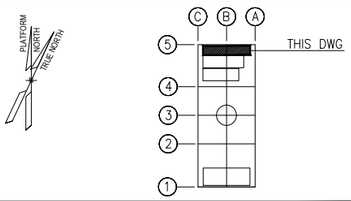
HOLDS

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REFERENCE

DOCUMENT TITLE	DOCUMENT NUMBER
Control System Architecture Detailed Drawings	123A90-DDL-IN-DD-40096
Data Network Architecture Drawings	123A90-DDL-IN-DD-40019
Earthing layouts drawings (CCR, ITER)	123A90-DDL-IN-DL-40013
Instrument and Telecom MCT Layout – Lower Deck	123A90-DDL-IN-DL-40086
"B-400" I&T Equipment Room – Architectural Layout	123A90-DDL-AR-DL-10015
"B-400" ARCHITECTURAL GENERAL LAYOUT PLAN, WIEW, SECTIONS & TYP. DETAILS	123A90-DDL-AR-DL-10015
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DA-00017
"B-400" GENERAL ARRANGEMENT DRAWING	1724000049-AR-DD-00021
"B-400" HVAC SYSTEM G.A. and DETAILS	1724000049-HV-DA-00067

KEY PLAN



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	27/05/24	MGA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	22/01/24	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)
00	07/11/23	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND — ROSETTI MARINO

VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DL-40012**

REV.:	DATE:	SIGNATURE:
3_A	07/10/24	G.Randi

ROSETTI MARINO SpA

TITLE : BASE LOAD POWER HUB (BLPH)
OFF-SHORE ITER
EQUIPMENT LAYOUT

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:33,3
DRAWN MGA	CHECKED LCA	APPROVED DLO	DATE 27/05/24
A1	DRAWING NO. 123A90-DDL-IN-DL-40012	SHEET 001	REV. 03

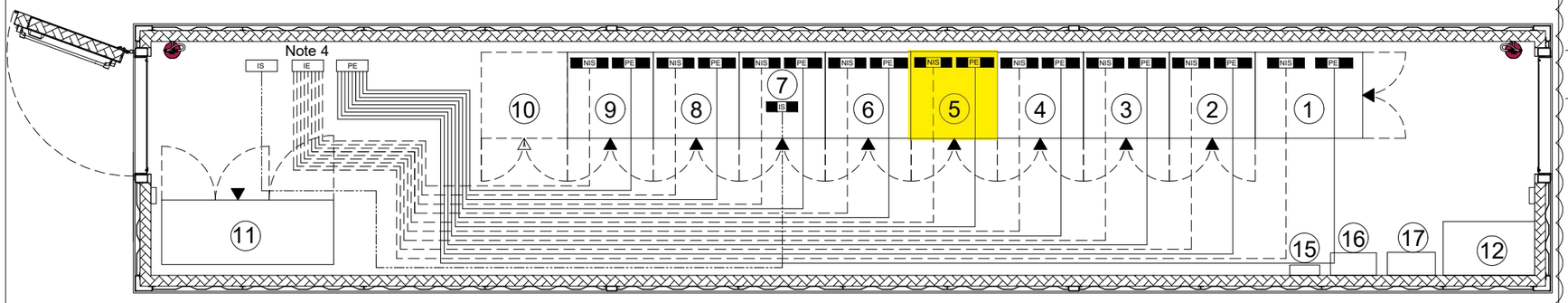
File Name : 123A90-DDL-IN-DL-40012 Rev.03.dwg

INSTRUMENT EQUIPMENT LIST		
REF.	TAG No.	DESCRIPTION
1	B400-SRV-001	SERVER CABINET
2	B400-NET-001	NETWORK CABINET
3	B400-EMCS-001	EMCS SYSTEM CABINET
4	B400-PCS-001	PCS SYSTEM CABINET
5	B400-PCS-002	PCS MARSHALLING CABINET
6	B400-FGS-001	FGS SYSTEM CABINET
7	B400-FGS-002	FGS MARSHALLING CABINET 1
8	B400-FGS-003	FGS MARSHALLING CABINET 2
9	B400-SIS-001	SIS SYSTEM/MARSHALLING CABINET
10	-	SPARE
11	B400-HSB-001	DISTRIBUTION & HVAC PANEL - I&T ROOM
12	-	TABLE
13	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.
14	-	PORTABLE EXTINGUISHER (CO2) 5 Kg.
15	-	FIRST AID KIT
16	-	RESUSCITATION UNIT
17	-	CABINET INCLUDED N.10 ESCAPE MASK

NOTES

1 - THIS DOCUMENT IS VALID ONLY FOR EARTHING LAYOUT.
2 - THE CABLE SIZE SHALL BE CONFIRMED
3 - THE EXACT POSITION OF EARTHING/MARSHALLING BUS BAR SHALL BE DEFINED IN FIELD.
4 - THE EARTHING BUS BARS INSTALLATION SHALL BE PREFERABLY IN VERTICAL MODE.
5 - FOR EARTHING TYPICAL DETAILS AND Y/G CONDUCTOR CROSS SECTION SEE DOC. 123A90-DDL-EL-DD-20090 "ELECTRICAL TYPICAL INSTALLATION DETAILS - EARTHING SYSTEM".
6 - DUE TO THE TOP CABLE ENTRIES THE EARTHING BUS BAR INSIDE THE CABINETS SHALL BE INSTALLED AT THE TOP OF THE CABINETS THEMSELVES.
7 - IN CASE OF CABLE CONNECTIONS BETWEEN TWO CABINETS, THE CABLE SCREEN SHALL BE CONNECTED TO IE AT MARSHALLING SIDE ONLY.

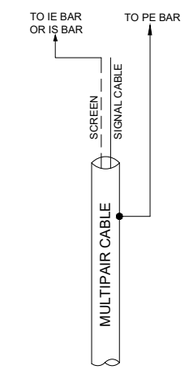
01



LEGEND

PE	EARTHING BUS BAR AISI 316L
NIS	INSULATED INSTRUMENT EARTH BUS BAR NOT INTRINSIC SAFETY DIM. 450x60x5mm AISI 316L
IS	INSULATED INSTRUMENT EARTH BUS BAR INTRINSIC SAFETY DIM. 450x60x5mm AISI 316L
— —	35sqmm Y/G INSULATED COPPER CONDUCTOR FOR PE (SEE NOTE 2)
——	35sqmm Y/G INSULATED COPPER CONDUCTOR FOR I.S. & NON I.S. (SEE NOTE 2)
▬	EARTHING BUS BAR 60x5mm AISI 316L (SEE NOTE 3)
PE	PROTECTIVE EARTH
IE	INSTRUMENT EARTH
IS	INTRINSICALLY SAFE EARTH

KEY



VALID FOR CONSTRUCTION
FDL DWG: **123A90-FDL-IN-DL-40013**

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

ROSETTI MARINO SpA

01

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	14/05/24	MGA	LCA	DLO	ACCEPTED FOR CONSTRUCTION
00	19/01/24	INVIRAJ	AMBE/LCA	OYFO/MDO	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
EARTHING LAYOUT DRAWINGS(OFFSHORE ITER)
EQUIPMENT LAYOUT

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

A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-IN-DL-40013	003	01

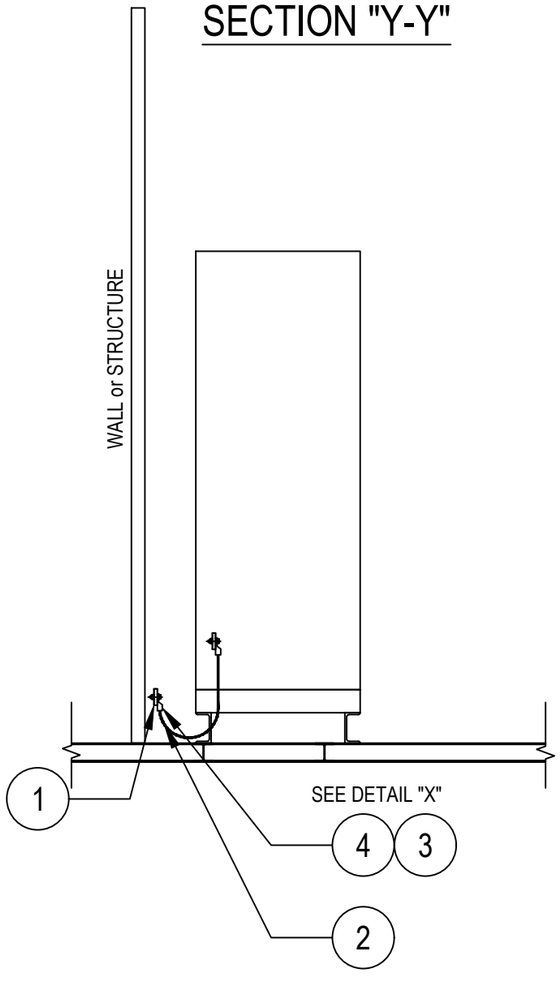
F.to UNI A3: 420mmx297mm

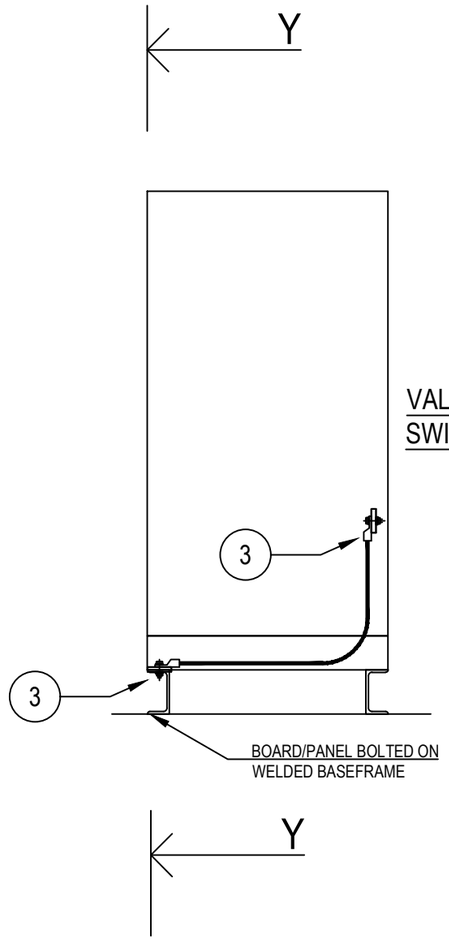
File Name : 123A90-DDL-IN-DL-430013 Rev. 01

E23

POS.	DESCRIPTION	MATERIAL	SIZE	Q.TY	NOTE
1	MARSHALLING EARTHING BAR	TINNED COPPER	50X5		NOTE 1
2	Y/G INSULATING COPPER CONDUCTOR	COPPER	35mm² SEE NOTE 1		NOTE 1
3	COMPRESSION TYPE LUG FOR INSULATION COPPER CONDUCTOR	TINNED COPPER	35mm² SEE NOTE 1	4	NOTE 1
4	BOLT, PLANE WASHER, GROWER SPRING WASHER AND NUT	AISI 316L	M10X30	4	

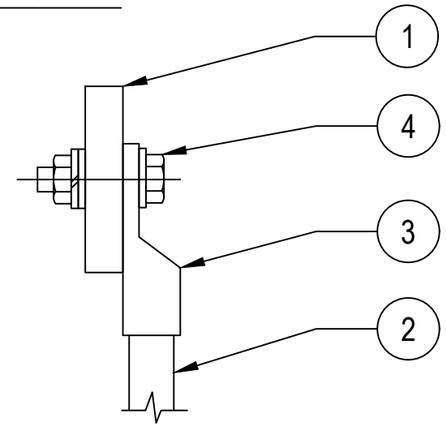
SECTION "Y-Y"





VALID FOR HV/LV SWITCHGEAR

DETAIL "X"



NOTES:

1) FOR SIZE OF THE EARTHING CABLE SEE ALSO EARTHING LAYOUT DRAWINGS OF RESPECTIVE AREAS

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 PANELS/BOARDS IN TECHNICAL ROOM

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	011	02

F.to UNI A3: 420mmx297mm

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

BASE LOAD POWER HUB (BLPH)
PCS CABINETS
GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT

ROSETTI MARINO	
1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED
NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.	
Sign	Date
	22/08/2024

MASTER
COPIA X COLLAUDO FINALE
N° 5529 DATE 4/10/24

NEXT REVISION SHALL BE "ACCEPTED FOR CONSTRUCTION (AFC)"

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
COVER PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 001

REV. 1

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
001	X	X								BASE LOAD POWER HUB (BLPH) COVER PAGE
002	X	X								BASE LOAD POWER HUB (BLPH) INDEX
003	X	X								BASE LOAD POWER HUB (BLPH) DATA SHEET
004	X									BASE LOAD POWER HUB (BLPH) INTERNAL WIRING INFORMATION
005	X	X								BASE LOAD POWER HUB (BLPH) TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS
006	X	X								BASE LOAD POWER HUB (BLPH) EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW
007	X									BASE LOAD POWER HUB (BLPH) EXTERNAL LEFT SIDE & RIGHT SIDE VIEW
008	X	X								BASE LOAD POWER HUB (BLPH) EXTERNAL REAR VIEW
009	X	X								BASE LOAD POWER HUB (BLPH) BASEPLATE DETAILS
010	X	X								BASE LOAD POWER HUB (BLPH) EXTERNAL & INTERNAL TOP VIEW
011	X	X								BASE LOAD POWER HUB (BLPH) EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST
012	X	X								BASE LOAD POWER HUB (BLPH) LIFTING DETAILS
013	X	X								BASE LOAD POWER HUB (BLPH) FRONT DOOR CUT-OUT DETAILS
014	X	X								BASE LOAD POWER HUB (BLPH) FRONT SIDE INTERNAL VIEWS
015	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
016	X									BASE LOAD POWER HUB (BLPH) MANUFACTURER LABEL DETAILS
017	X	X								BASE LOAD POWER HUB (BLPH) SECTION IDENTIFIER NAMEPLATE DETAILS
018	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
019	X									BASE LOAD POWER HUB (BLPH) CERTIFICATION LABEL
020	X	X								BASE LOAD POWER HUB (BLPH) MAIN COMPONENT LIST

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
021	X	X								BASE LOAD POWER HUB (BLPH) MAIN COMPONENT LIST
022	X	X								BASE LOAD POWER HUB (BLPH) MAIN COMPONENT LIST

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT INDEX

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 002

REV. 1

A - GENERAL DATA

A1	TYPE	☐ MANUFACTURER STANDARD	■ AUGER	
A2	REFERENCE CODE	■ IEC	☐ IEC NORTH AMERICA SUITABLE (THIRD PARTY CERTIFIED)	
A3	CONTRACTUAL LANGUAGE	■ ENGLISH	☐	
A4	INSTALLATION	SAFE AREA, AIR CONDITIONING CONTROL ROOM/CAB HEAVY INDUSTRY ENVIRONMENT		
A5	OPERATING TEMPERATURE	+5°C TO +45 °C		
A6	OPERATING HUMIDITY	10 TO 93 % RH NOT CONDENSING		
A7	MARSHALLING TERMINAL STRIP	■ WITH	☐ WITHOUT	
A8	TERMINAL STRIP <1>	■ MIRROR OF JUNCTION BOX	☐ NOT MIRROR OF JUNCTION BOX	
A9	SPARE TERMINALS	☐ NO	■ YES, NOT WIRED	☐ YES, JUMPERED TO I.E. OR I.S. BAR
A10	CABLES & CABLE TRAYS	☐ PVC	■ HALOGEN FREE AND LOW SMOKE <1>	
A11	INTRINSICALLY SAFE BARRIERS/ISOLATORS	■ NO	☐ YES	
A12	SURGE ARRESTORS	■ NO	☐ YES, ONLY FOR POWER SUPPLY LINE IN	
A13	POLLUTION DEGREE	■ 2 AS PER IEC60664-1		
A14	STORAGE TEMPERATURE	-20°C TO 50°C UP TO 80% HUMIDITY		
A15	MATERIAL	■ CARBON STEEL	☐ STAINLESS STEEL AISI 304	☐ STAINLESS STEEL AISI 316

B - MECHANICAL DATA

B1	OVERALL DIMENSION	800 mm x 800 mm x 2100 mm (L x D x H) (NOTE B1)		
B2	PROTECTION DEGREE	■ IP 43	☐ IP 55	
B3	STEEL THICKNESS	■ STRUCTURE: 1.5 mm	■ DOORS: 2 mm	
B4	CABLE ENTRY	■ TOP	☐ BOTTOM	
B5	CABLE ENTRY FIXING	☐ REMOVABLE PLATES	☐ CLAMPS	■ MCT <1>
B6	ACCESSIBILITY	■ FRONT ONLY	☐ FRONT / REAR	
B7	LIFTING SYSTEM	■ EYE BOLTS	☐ LIFTING BAR "L" TYPE	
B8	BASE PLINTH	■ SEPARATE PIECES		
B9	DOOR LOCKS	■ KEY LOCKED WITH UNIQUE KEY PER UCP		
B10	APPROXIMATIVE WEIGHT	500 Kg <1>		

NOTE B1 : ALLOWED TOLERANCE FOR PANEL HEIGHT/DEPTH: +/-5mm;
ALLOWED TOLERANCE FOR PANEL STRUCTURES AND SUPPORTS: +/-2mm;
ALLOWED TOLERANCE FOR TOTAL PANEL LENGTH : +/-2% OF TOTAL PANEL LENGTH;
(IN ANY CASE, MAXIMUM LENGTH TOLERANCE ALLOWED FOR PANEL WITH 2 OR MORE COLUMNS IS +/-50mm)
REMOVABLE BOTTOM PLATES SHALL BE PROVIDED <1>

C - PAINTING

C1	REFERENCE SPECIFICATIONS		■ AUGER STANDARD	☐ JOB SPECIFIC	☐ MFR STANDARD
C2	EXTERIOR	TYPE	☐ SMOOTH	■ PEEL TYPE	
		COLOUR	■ RAL 7035	☐ RAL 7032	☐ RAL 7030
C3	BASE PLINTH		■ AS EXTERIOR		
C4	INTERIOR		■ GALVANISED (ALUZINC)		
C5	INTERNAL MOUNTING PLATES		■ GALVANISED (ALUZINC)		

D - ELECTRICAL DATA

.	SUPPLY LINE	UPS LINE 1	UPS LINE 2	NON-UPS LINE 3
D1	SUPPLY VOLTAGE	230Vac	230Vac	230Vac
D2	FREQUENCY	50Hz	50Hz	50Hz
D3	LOAD	1,2kW <1>	1,2kW <1>	0,6kW <1>
D4	INTERNAL LIGHTING WITH DOOR LIMIT SWITCH OPERATION	■ LED (230Vac - 50Hz) <1>		
D5	ANTI CONDENSING HEATER WITH TEMPERATURE THERMOSTAT	■ YES		
D6	VENTILATION FAN WITH FLOW SWITCH AND TEMPERATURE THERMOSTAT	■ YES		
D7	SERVICE SOCKET	■ YES		

E - NAMEPLATES

.	.	EXTERNAL PANEL	INTERNAL PANEL
E1	MATERIAL	■ TRAFFOLYTE	■ TAPE
E2	BACKGROUND COLOUR	■ WHITE	■ WHITE
E3	TEXT COLOUR	■ BLACK	■ BLACK
E4	FIXING	■ WITH SCREWS	■ SELF-ADHESIVE
E5	WARNING LABELS	■ SELF-ADHESIVE	■ SELF-ADHESIVE
E6	LANGUAGE	■ ENGLISH	■ ENGLISH

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT DATA SHEET

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 003

REV. 1

A - PANEL CONTROL CABLES

CABLE FUNCTION	CONDUCTOR SIZE	CONDUCTOR COLORS	OUTER SHEATH COLOR NON Intrinsically Safe Circuit	OUTER SHEATH COLOR Intrinsically Safe Circuit
BIPOLAR ANALOG SIGNALS (NOTE A1)	(2x0.5) + Shield	BLACK (BK) - WHITE (WH)	GREY (GR)	BLUE (BL)
TRIPOLAR ANALOG SIGNALS (NOTE A1)	(3x0.5) + Shield	BLACK (BK) - WHITE (WH) RED (RD)	GREY (GR)	BLUE (BL)

NOTE A1 : FOR THE ABOVE MENTIONED ANALOG SIGNALS, PAIRS OR TRIADS SHIELDED SPIRAL CABLES SHALL BE USED, WITH THE EXCEPTION OF THOSE "SINK" INPUTS OR OUTPUTS OF THE CONTROLLER WHERE AN EXTERNAL FEED IS NEEDED. ONLY FOR THIS SPECIFIC CASE, SINGLE WIRE CABLE SHALL BE USED.

C-GROUNDING CONNECTIONS

EARTH TYPE	CONDUCTOR SIZE Cable size shall not exceed max allowable section as per device's manufacturer recommendation	WIRE COLOR	ID RING COLOR
P.E. (PROTECTIVE EARTH)	(1x2.5) - (1x6) - (1x16) - (1x25)	YELLOW/GREEN (YG)	-
I.E. (INSTRUMENT EARTH)	(1x2.5) - (1x6) - (1x16) - (1x25)	GREEN (GN)	-
I.S.E. (INTRINSICALLY SAFE EARTH)	(1x2.5) - (1x6) - (1x16) - (1x25)	WHITE (WH)	-

B -PANEL SINGLE-CORE CABLES

SINGLE-CORE CABLE FUNCTION	CONDUCTOR SIZE Cable size shall not exceed max allowable section as per device's manufacturer recommendation	WIRE COLOR NON Intrinsically Safe Circuit	WIRE COLOR Intrinsically Safe Circuit
AC LINE	(1x2.5) - (1x4) - (1x6)	BROWN (BR)	N/A
AC NEUTRAL	(1x2.5) - (1x4) - (1x6)	LIGHT BLUE (LB)	N/A
DC 24Vdc (POSITIVE)	(1x2.5) - (1x4) - (1x6)	RED (RD)	N/A
DC 24Vdc (NEGATIVE)	(1x2.5) - (1x4) - (1x6)	BLUE (BU)	N/A
DIGITAL SIGNALS (POSITIVE)	(1x0.5)	BLACK (BK)	N/A
DIGITAL SIGNALS (NEGATIVE)	(1x0.5)	WHITE (WH)	N/A
ANALOG SIGNALS (2 WIRE POSITIVE)	(1x0.5)	BLACK (BK)	N/A
ANALOG SIGNALS (2 WIRE NEGATIVE)	(1x0.5)	WHITE (WH)	N/A
ANALOG SIGNALS (3 WIRE POSITIVE)	(1x0.5)	BLACK (BK)	N/A
ANALOG SIGNALS (3 WIRE NEGATIVE)	(1x0.5)	RED (RD)	N/A
ANALOG SIGNALS (3 WIRE SIGNAL)	(1x0.5)	WHITE (WH)	N/A

GENERAL NOTE : MINIMUM SECTION 1.5 mm² FOR CPU PANEL INTERNAL LAMPS, LIMIT SWITCHES, FANS, THERMOSTATS, ISOLATORS POWER SUPPLY

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
INTERNAL WIRING INFORMATION

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

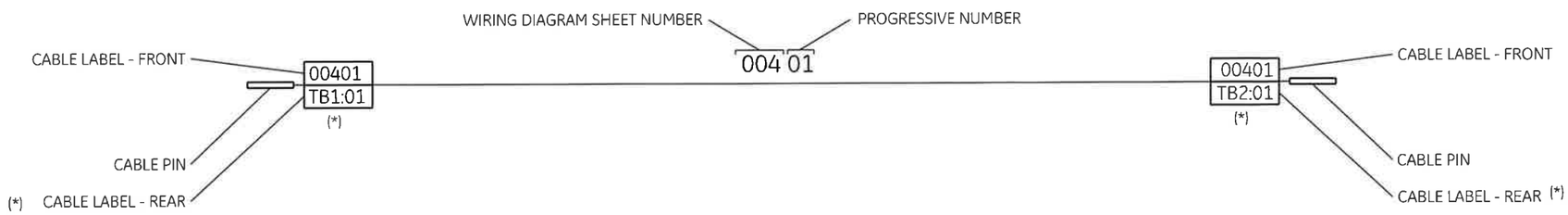
SHEET 004

REV. 1

COLOR ACRONYMS LIST :

RD	-	RED
BK	-	BLACK
BL	-	BLUE
LB	-	LIGHT BLUE
GR	-	GREY
GN	-	GREEN
YE	-	YELLOW
Y/G	-	YELLOW/GREEN
BR	-	BROWN
WH	-	WHITE

TYPICAL WIRE MARKING



EARTH CONNECTION RESUME TABLE:

		CABINET
	P.E. EARTH	
<1>	I.E. EARTH	
	I.S.E. EARTH	

EARTH ACRONYMS LEGEND :

P.E. (GND)	-	PROTECTION EARTH (GROUND, FRAME CHASSIS)
I.E. (F.E.)	-	INSTRUMENT EARTH (NOISELESS), FUNCTIONAL EARTH
I.S. (I.S.E.)	-	INTRINSICALLY SAFE EARTH

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS

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

SCALE : 1

A3

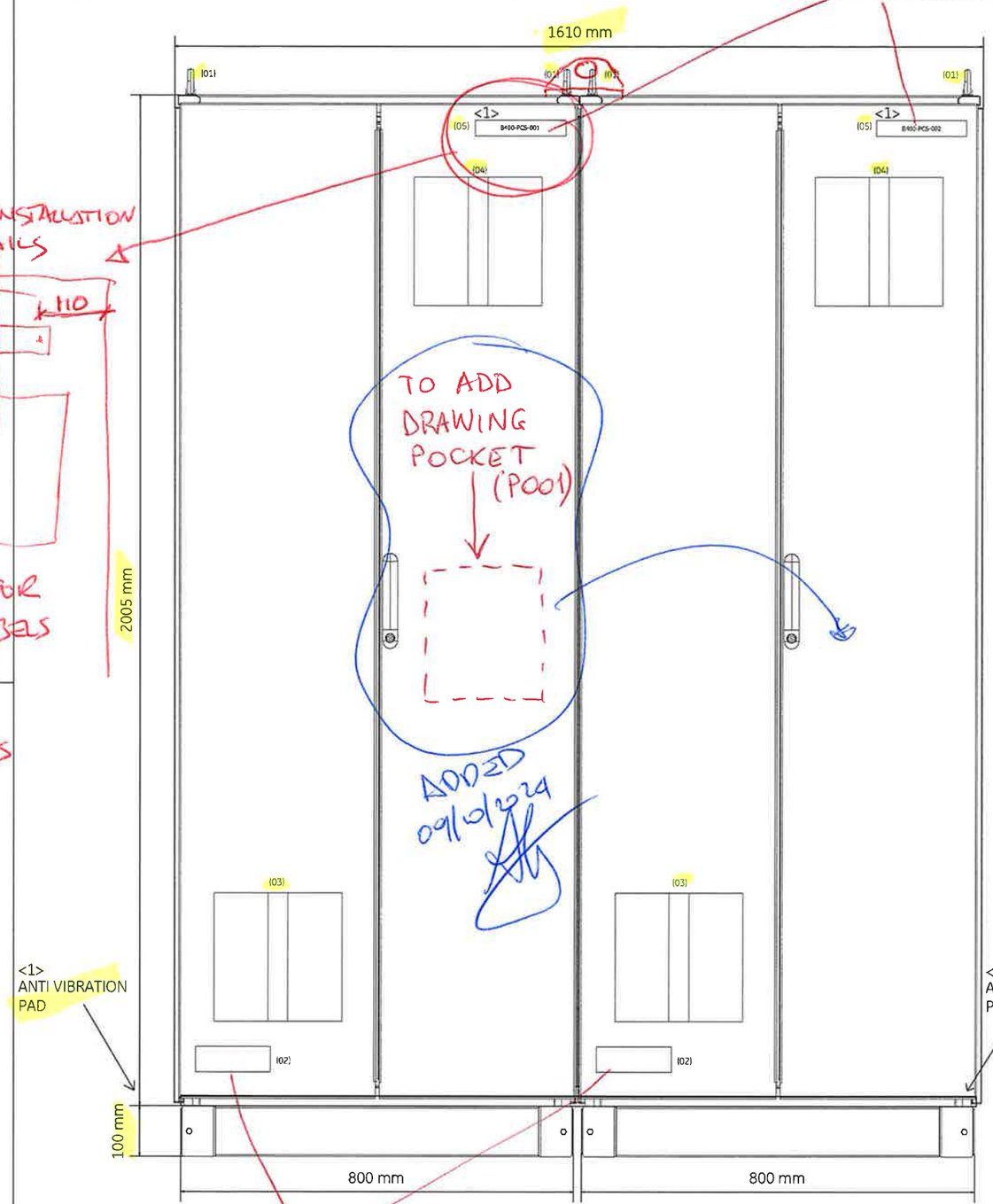
DRAWING NO. 1724000594-IN-DA-00009

SHEET 005

REV. 1

PCS PANEL - EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW

MISSING (P001)



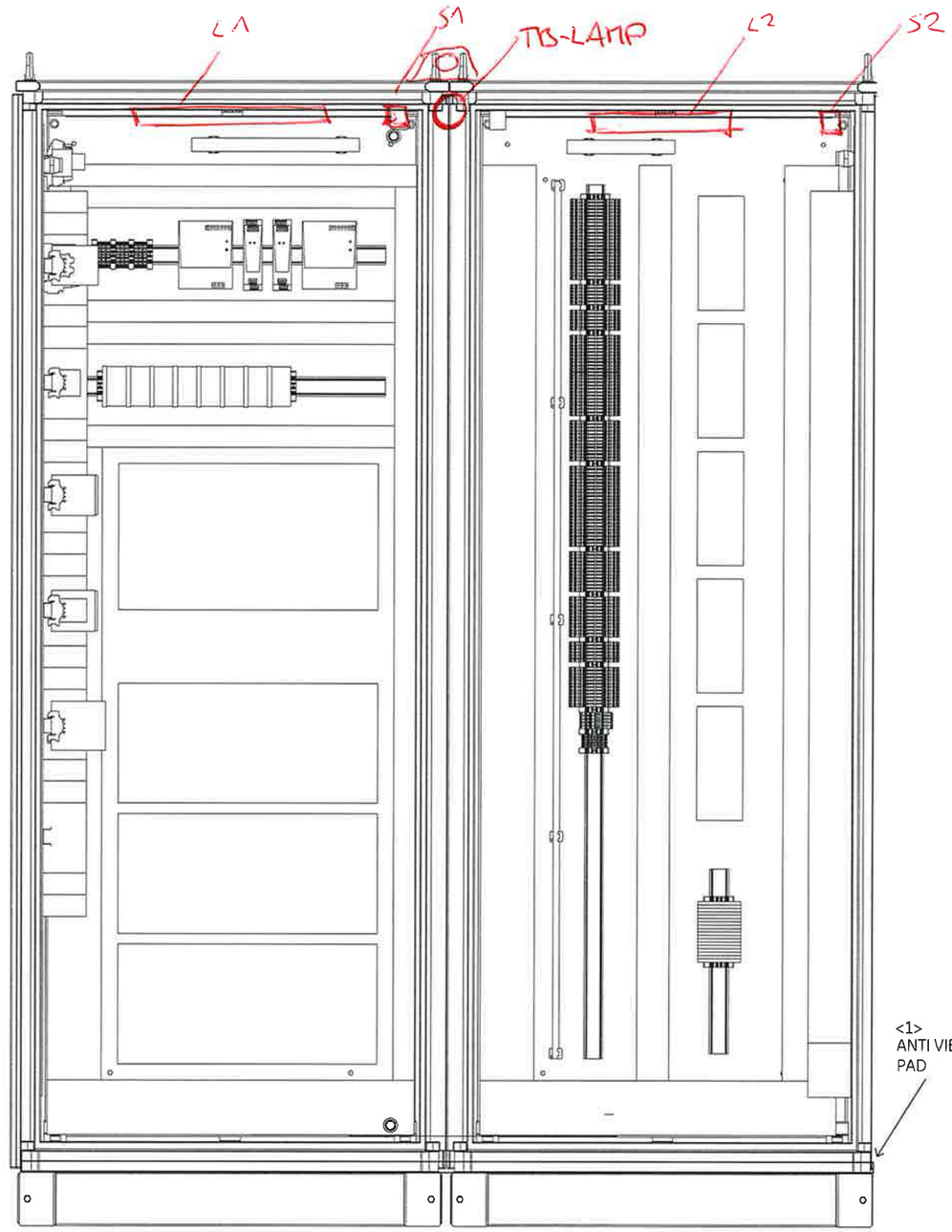
LABEL INSTALLATION DETAILS



VALID FOR ALL LABELS
- PCS
- FCS
- SIS
- ETCS

TO ADD DRAWING POCKET (P001)

ADDED 09/10/2024



DRAWING SCALE 1:10

MISSING (P001)

1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL FRONT VIEW & FRONT DOOR OPENED VIEW

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

SCALE : 1

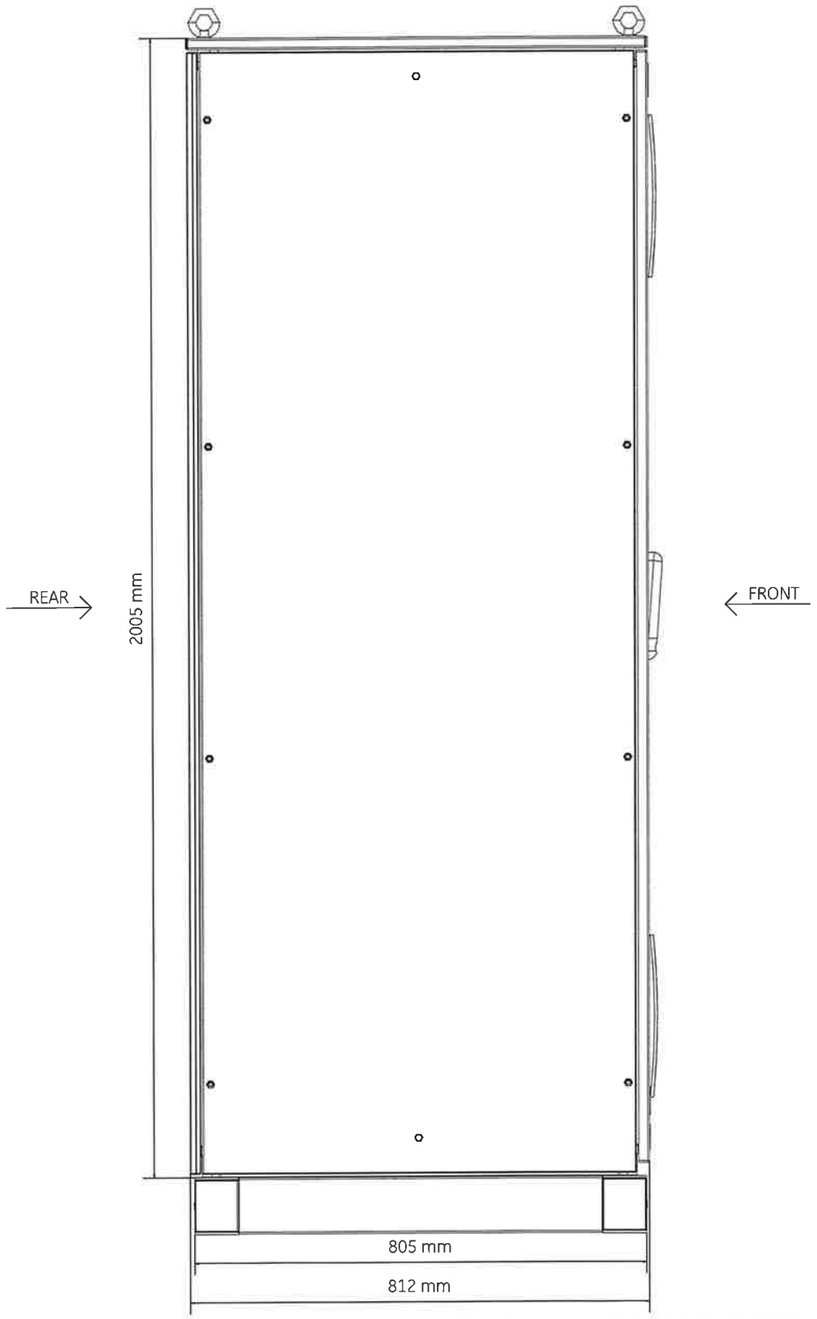
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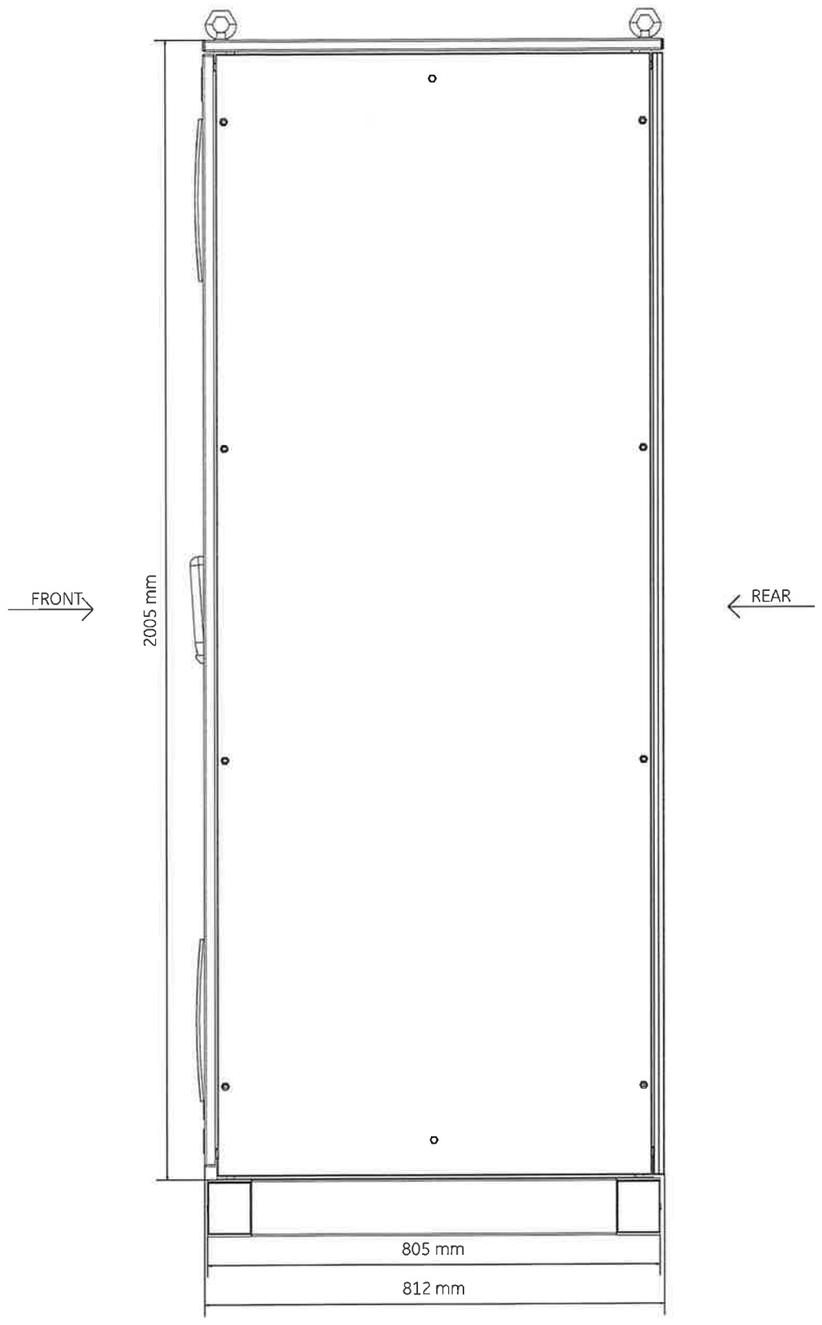
DRAWING NO. 1724000594-IN-DA-00009

SHEET 006

REV. 1

PCS PANEL - EXTERNAL LEFT SIDE & RIGHT SIDE VIEW





DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL LEFT SIDE & RIGHT SIDE VIEW

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

SCALE : 1

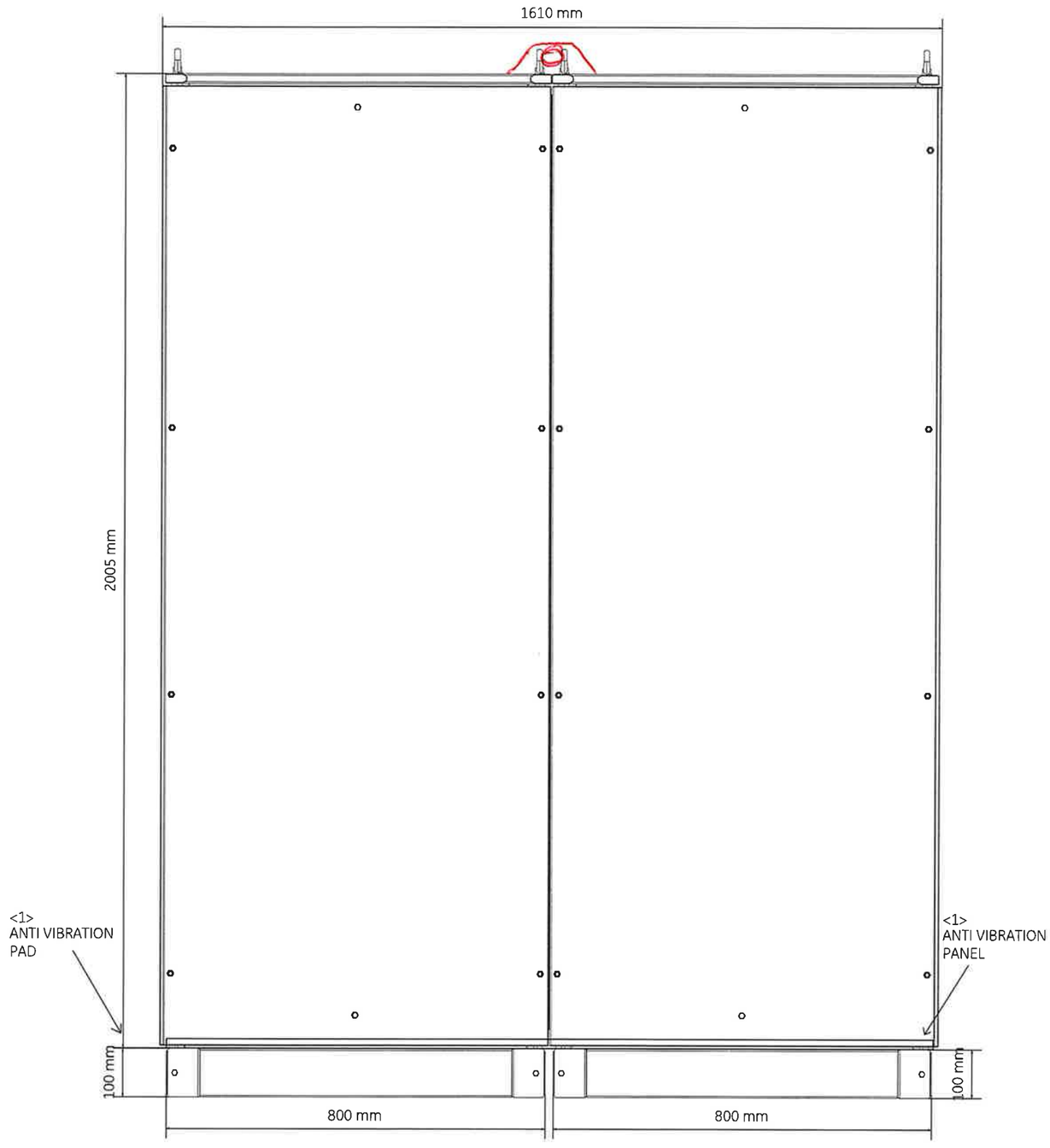
A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 007

REV. 1

PCS PANEL - EXTERNAL REAR VIEW



DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL REAR VIEW

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

SCALE : 1

A3

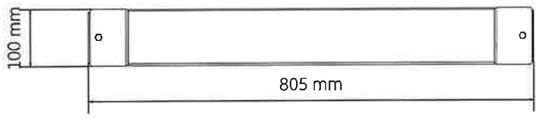
DRAWING NO.
1724000594-IN-DA-00009

SHEET 008

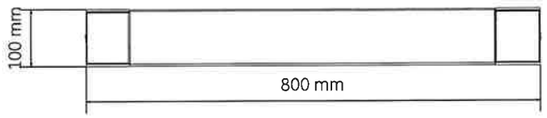
REV. 1

PCS PANEL - BASEPLATE DETAILS

BASEPLATE SIDE VIEW

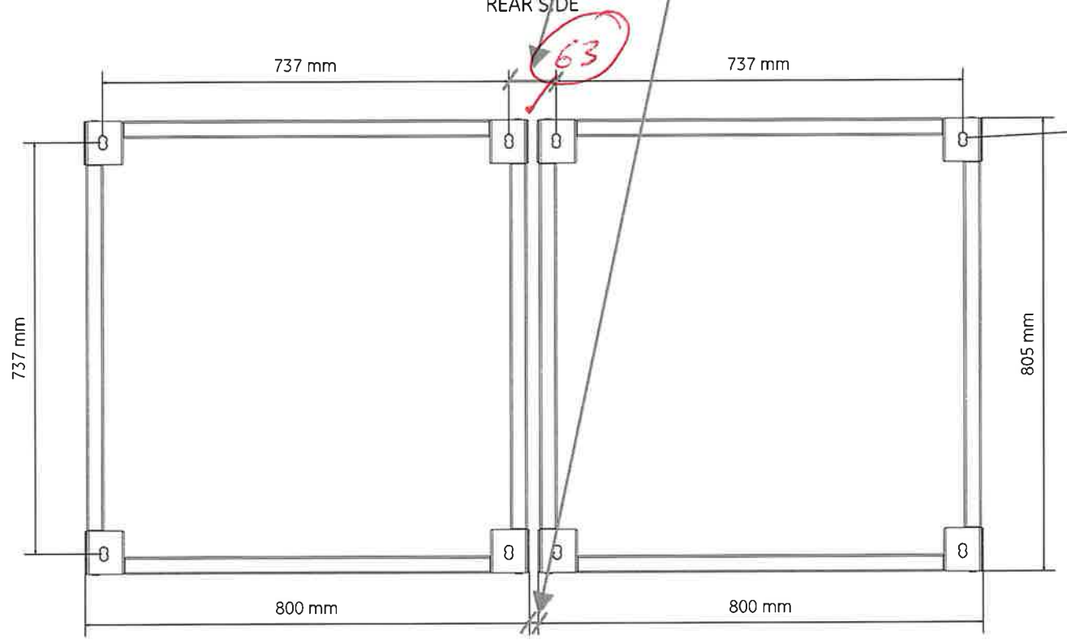


BASEPLATE FRONT VIEW

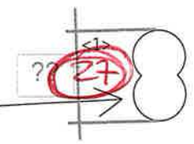


THESE QUOTES MUST BE SPECIFIED

<1>
BASEPLATE BOTTOM VIEW
REAR SIDE



FRONT SIDE



DETAIL OF FIXING HOLE:
Ø 16mm

NOTE:
TO BE CONSIDERED FOR EACH COLUMN
DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
BASEPLATE DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

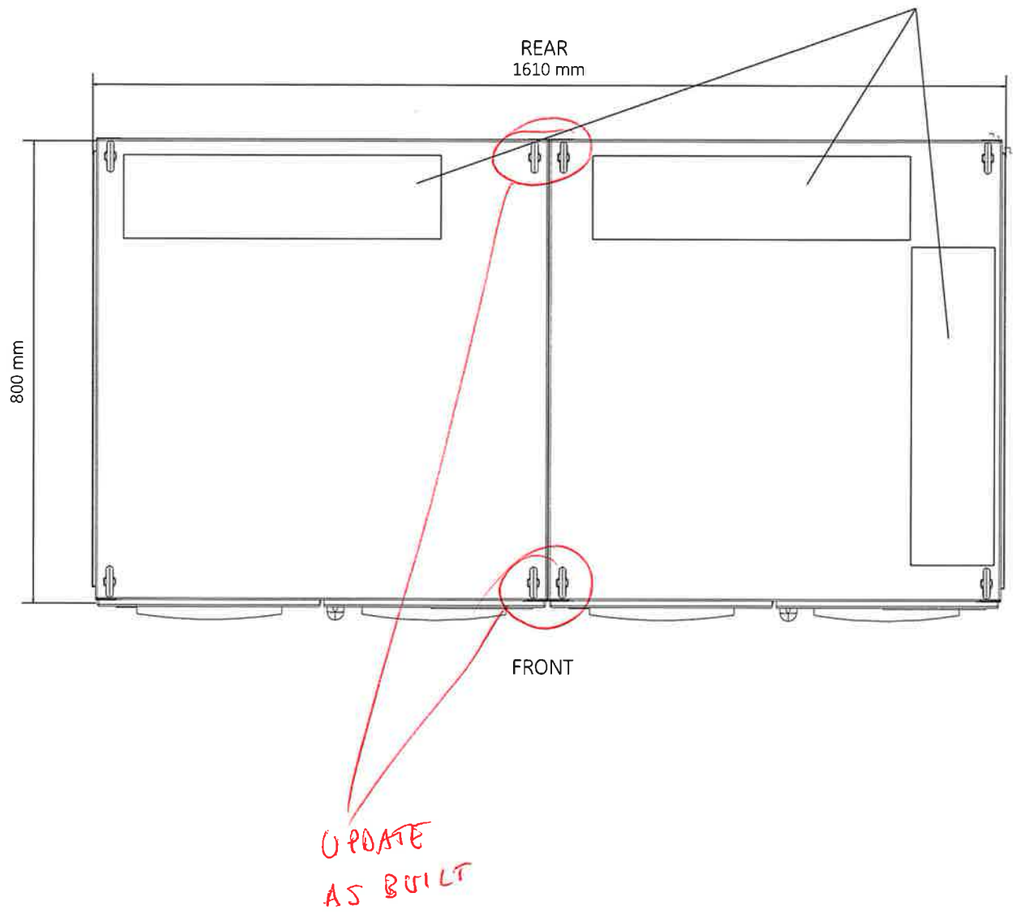
SHEET 009

REV. 1

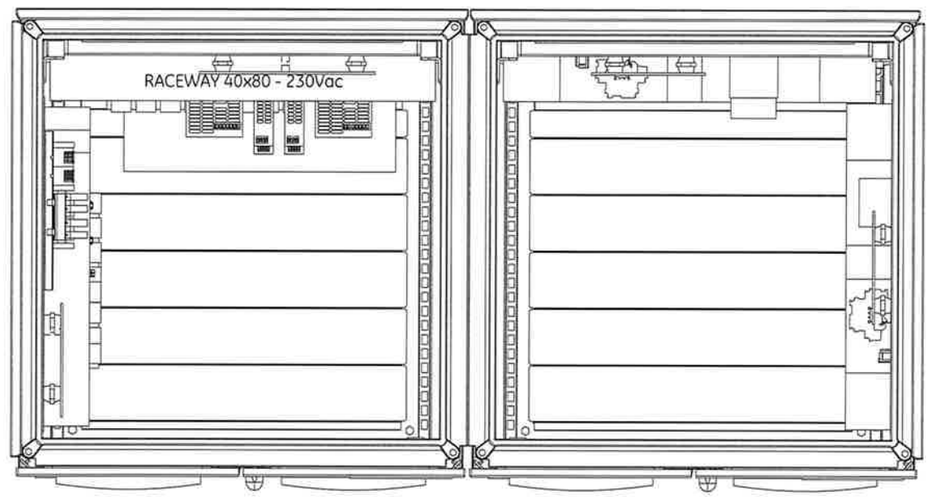
PCS PANEL - EXTERNAL & INTERNAL TOP VIEW

EXTERNAL TOP VIEW

CABLE ENTRY



INTERNAL TOP VIEW



DRAWING SCALE 1:10
<1>

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

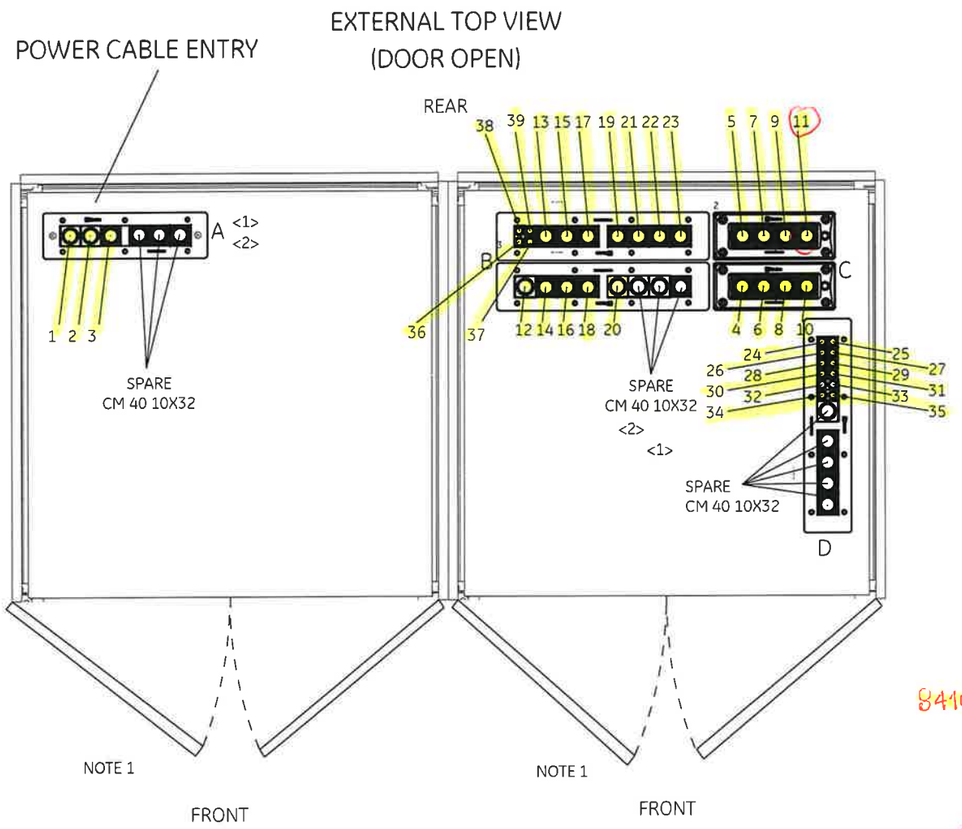
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL & INTERNAL TOP VIEW

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

A3 | DRAWING NO. 1724000594-IN-DA-00009 | SHEET 010 | REV. 1

PCS PANEL - EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST



<1> <2>

CABLE TAG	CABLE TYPE	OUTER CABLE DIAMETER (mm)	MCT SIZE	LOCATION	POSITION	
00-JE-11001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C	4	EM 40 10X32
00-JE-11001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C	5	EM 40 10X32
00-JE-11002/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C	6	EM 40 10X32
00-JE-11003_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C	7	EM 40 10X32
00-JE-11003_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C	8	EM 40 10X32
00-JE-11004/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C	9	EM 40 10X32
00-JE-11005/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	40x40	C	10	EM 40 10X32
C-63-PT-003/B400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	40x40	C	11	EM 40 10X32
00-JE-12001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B	12	CM 40
00-JE-12001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B	13	CM 40
00-JE-12002/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	40x40	B	14	CM 40 10X32
00-JE-12003/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	40x40	B	15	CM 40 10X32
00-JE-12004_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B	16	CM 40
00-JE-12004_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B	17	CM 40
00-JE-12005/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B	18	CM 40
00-JE-12006_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B	19	CM 40
00-JE-12006_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B	20	CM 40
00-JE-13001/B400-PCS-002	24x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	27.8	40x40	B	21	CM 40
00-JE-13002/B400-PCS-002	24x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	27.8	40x40	B	22	CM 40 10X32
00-JE-13003/B400-PCS-002	12x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	20.8	40x40	B	23	CM 40 10X32
C-B100-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	20x40	D	24	CM 20W40
C-B100-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	20x40	D	25	CM 20W40
C-B100-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	20x40	D	26	CM 20W40
C-B200-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	20x40	D	27	CM 20W40
C-B200-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	20x40	D	28	CM 20W40
C-B200-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	20x40	D	29	CM 20W40
C-B300-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	20x40	D	30	CM 20W40
C-B300-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	20x40	D	31	CM 20W40
C-B300-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	20x40	D	32	CM 20W40
C-B400-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	20x40	D	33	CM 20W40
C-B400-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	20x40	D	34	CM 20W40
C-B400-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	20x40	D	35	CM 20W40
84303-CEL	1x3x2.5mm2,ARM,ORANGE,NIS	12~15	20x40	A	1	CM 40 10X32
84304-CEL	1x3x2.5mm2,ARM,ORANGE,NIS	12~15	20x40	A	2	CM 40 10X32
~~84305-CEL~~	1x3x2.5mm2,ARM,GRAY,NIS	12~15	20x40	A	3	CM 40 10X32
B400-NET1-B1	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREY, NIS	10.7	20x40	B	36	CM 20W40
B400-NET1-A1	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREY, NIS	10.7	20x40	B	37	CM 20W40
B400-NET1-A2	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREY, NIS	10.7	20x40	B	38	CM 20W40
B400-NET1-B2	CAT.6A 4x2xAWG23, Sh+ShT+ARM, F.Ret, GREY, NIS	10.7	20x40	B	39	CM 20W40

84105-CEL

ADD CABLE
FOR HARWIRED DIAGNOSTIC SIGNALS FROM B400-NET/SRV-001

NOTES :

NOTE 1: DOORS LOCK AT 90°

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
2	23.08.2024	A.G.	A.B.	S.C.	ACCEPTED FOR CONSTRUCTION (AFC)
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00 DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST

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

SCALE : 1

A3

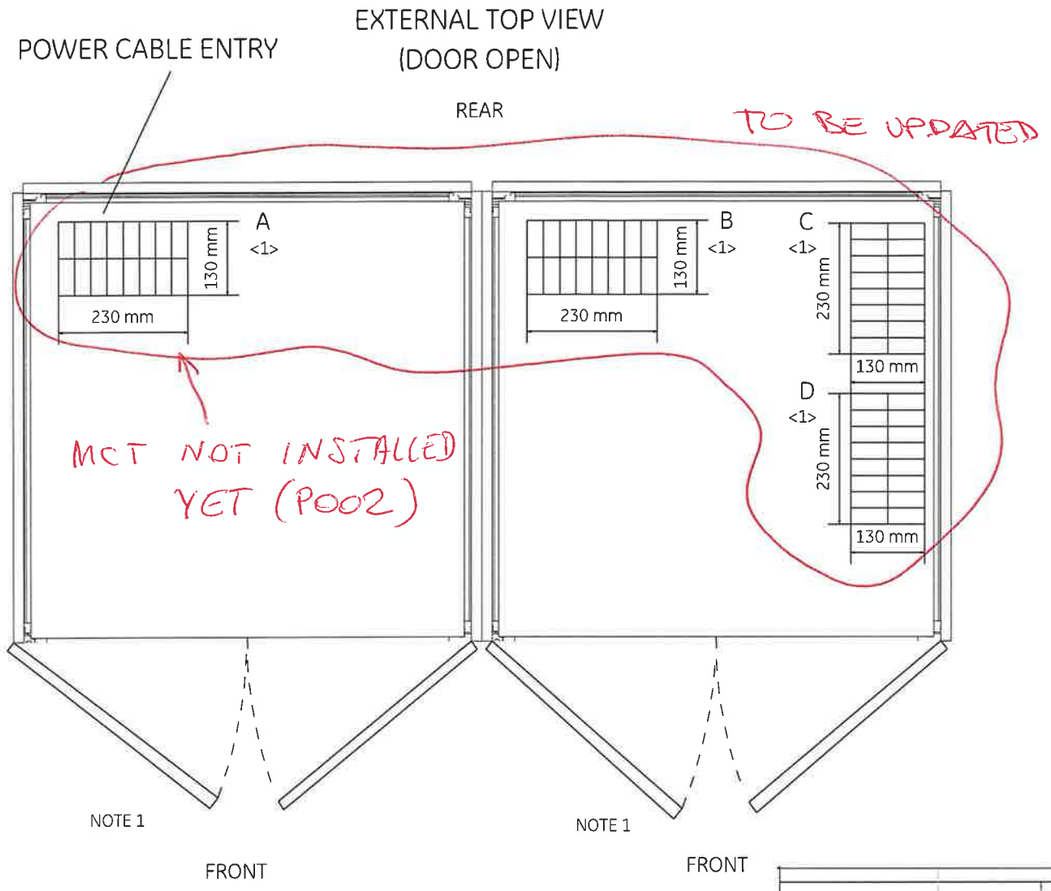
DRAWING NO. 1724000594-IN-DA-00009

SHEET 011

REV. 2

PCS PANEL - EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST

THE DRAWING SHALL SHOW THE EXACT POSITION OF EACH CABLE INSIDE EACH MCT FRAME.
SPARE "PLUGGED" ENTRIES SHALL ALSO BE PROVIDED.



<1>

CABLE TAG	CABLE TYPE	OUTER CABLE DIAMETER (mm)	MCT SIZE	POSITION
00-JE-11001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11002/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11003_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11003_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11004/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	C
00-JE-11005/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	30x30	C
C-63-PT-003/B400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	C
00-JE-12001_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12001_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12002/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	30x30	B
00-JE-12003/B400-PCS-002	6x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	19.4	30x30	B
00-JE-12004_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12004_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12005/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12006_1/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-12006_2/B400-PCS-002	12x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	24.8	40x40	B
00-JE-13001/B400-PCS-002	24x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	27.8	40x40	B
00-JE-13002/B400-PCS-002	24x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	27.8	40x40	B
00-JE-13003/B400-PCS-002	12x2.5mm2,ShT+ARM,F.Ret,GREY,NIS	20.8	30x30	B
C-B100-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B100-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B100-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	30x30	D
C-B200-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B200-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B200-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	30x30	D
C-B300-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B300-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B300-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	30x30	D
C-B400-TDC-001/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B400-TDC-002/B-400-PCS-002	1x2x0.75mm2,ShT+ARM,F.Ret,GREY,NIS	9.5	15x15	D
C-B400-TIR-001/B-400-PCS-002	2x2x0.75mm2,Sh+ShT+ARM,F.Ret,GREY,NIS	15.2	30x30	D

please add power and control cables in MCT "A":

CABLE TYPE							CABLE ROUTE			
							FROM		TO	
TAG NUMBER	FORMATION mm²	External Cable Colour	Core Colour	Fire Behaviour	Armour (WE/SW/AWA/STA) (Z1)	RATED VOLTAGE V0	ITEM Tag	DESCRIPTION	ITEM Tag	DESCRIPTION
64303-CEL	3G2.5	Orange	BN,BU,Y/G	LSZH, Fire Resistant	Armoured	230	DP-200F3	AC UPS - FAS DB	B400-PCS-001	PCS -Controller and I/O Cabinet - Line A
64304-CEL	3G2.5	Orange	BN,BU,Y/G	LSZH, Fire Resistant	Armoured	230	DP-200F3	AC UPS - FAS DB	B400-PCS-001	PCS -Controller and I/O Cabinet - Line B
[illegible]	3G2.5	Grey	BN,BU,Y/G	LSZH, Flame Retardant	Unarmoured	230	DP-200N1	Lighting & Small Power DB BoP	B400-PCS-001	PCS -Controller and I/O Cabinet - Auxiliary
[illegible]	[illegible]	Orange	[illegible]	LSZH, Fire Resistant	Armoured	24V DC	NC-200F2	[illegible]	B400-PCS-001	PCS

DELETED
09/11/2024

NETWORK CABLES WMET/IP TO BE ADDED (Nr. 4 ETHERNET CABLES)
(B400-NET1-A1 / A2 / B1 / B2)

NOTES :

NOTE 1: DOORS LOCK AT 90°

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
EXTERNAL TOP VIEW DOOR OPEN & MCT TABLE LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

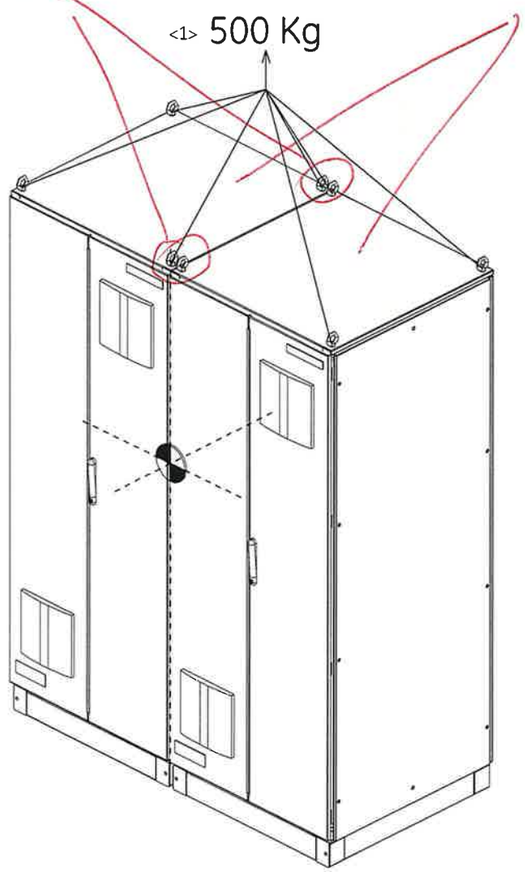
SHEET 011

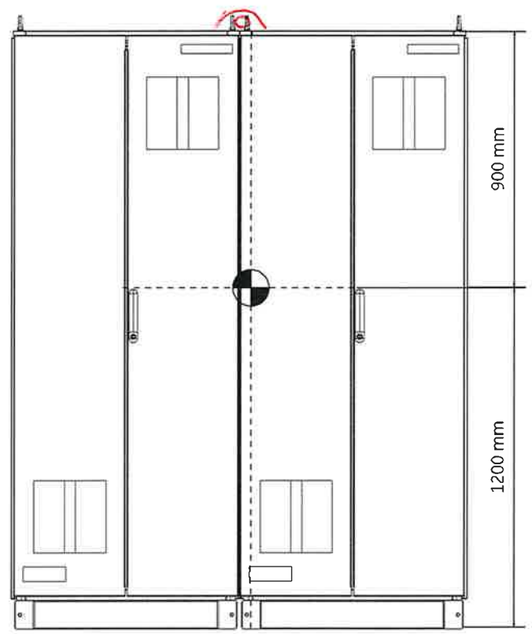
REV. 1

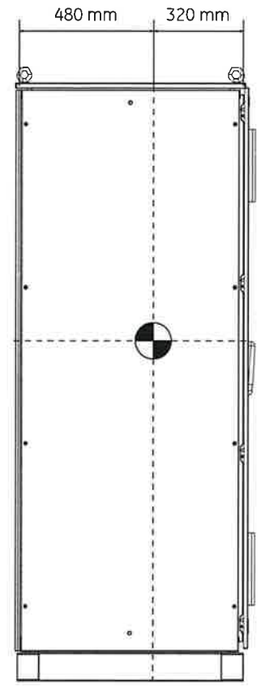
PCS PANEL - LIFTING DETAILS

NOT INSTALLED YET (P002)

TOP ROOFS NOT INSTALLED YET (P002)







= CENTER OF GRAVITY

DRAWING SCALE 1:20
ALL QUOTES SHOWN ARE APPROXIMATE VALUE

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
LIFTING DETAILS

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

SCALE : 1

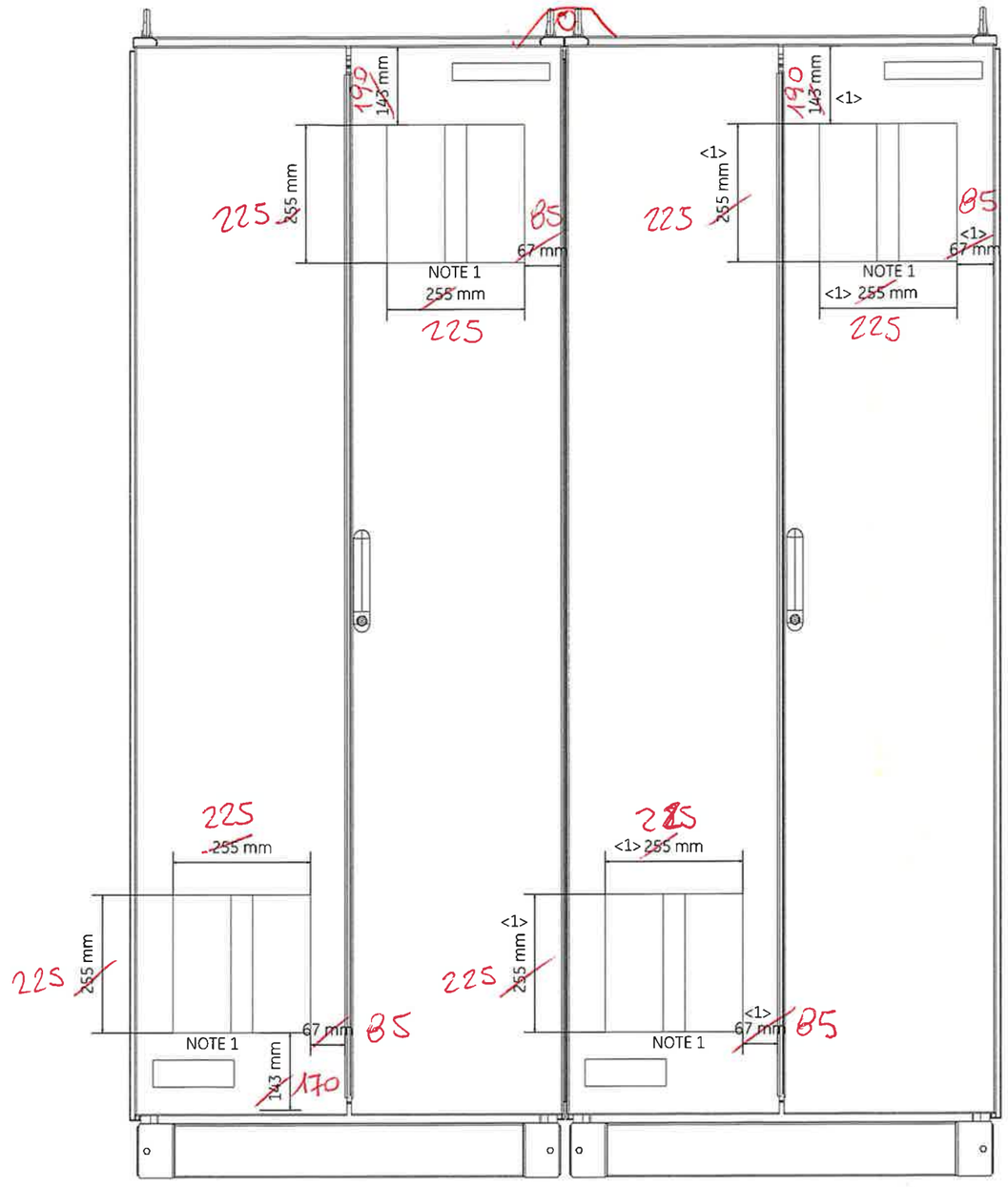
A3

DRAWING NO.
1724000594-IN-DA-00009

SHEET 012

REV. 1

PCS PANEL - FRONT DOOR CUT-OUT DETAILS



NOTE 1 : CUT-OUT FOR AIR VENTILATION FILTER

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
FRONT DOOR CUT-OUT DETAILS

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DA-00009

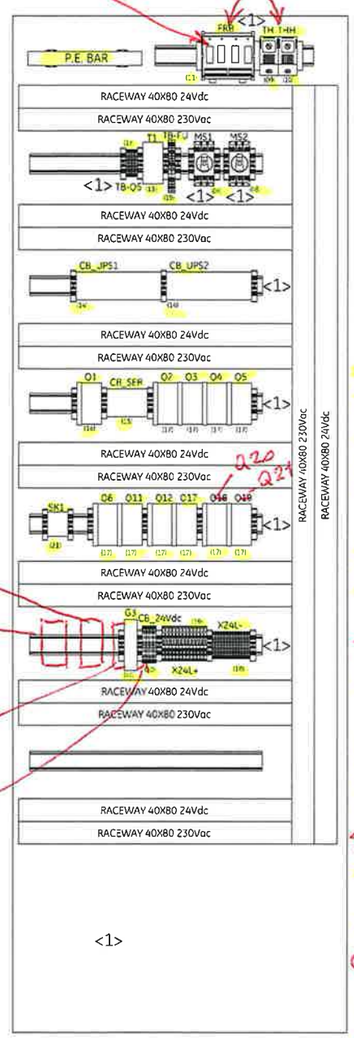
SHEET 013

REV. 1

PCS PANEL - FRONT SIDE INTERNAL VIEWS

LABELS OF RELAYS MISSING (P006)

LEFT SIDE



Q19
Q18
G4
TO ADD "TB-D"

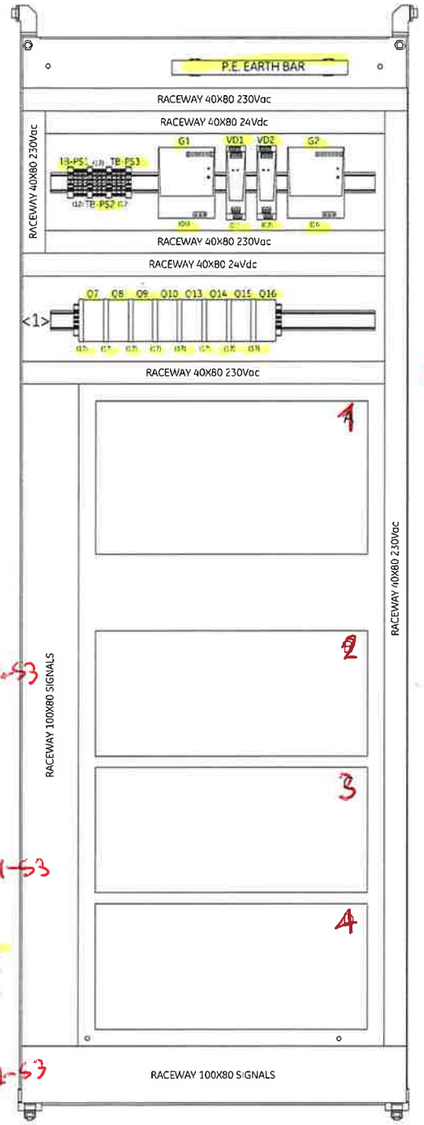
DEVICE "1"
(22) -AFV30D-A41262
(23) -N: 4: AAI143-H53
(29) -N: 2: ADV151-P63 <1>
(24) -N: 2: EC401-51
(25) -N: 2: CP471-01
(26) -N: 2: PW484-53 2

DEVICE "2"
(27) -ANB10D-426/CU2N
(23) -N: 2: AAI143-H53
(28) -N: 2: AAI543-H61 <1>
(29) -N: 2: ADV151-P63 <1>
-N: 2: SPARE <1>
(24) -N: 2: EC401-51 SB401-53
(26) -N: 2: PW484-53 2

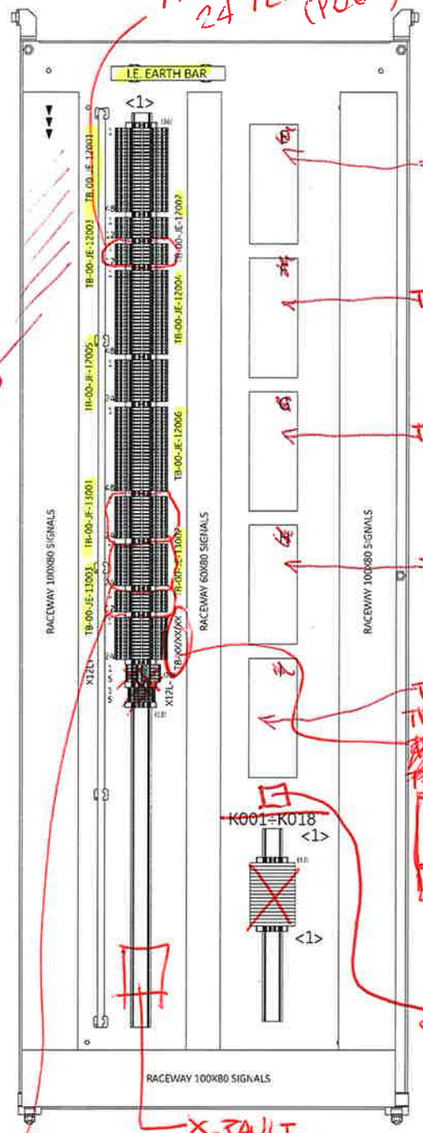
DEVICE "3"
(27) -ANB10D-426/CU2N
(23) -N: 2: AAI143-H53 <1>
(28) -N: 2: AAI543-H61 <1>
(29) -N: 2: ADV151-P63 <1>
-N: 2: SPARE <1>
(24) -N: 2: EC401-51 SB401-53
(26) -N: 2: PW484-53 2

DEVICE "4"
(30) -ANB10D-426/CU2T <1>
(32) -N: 1: ALE111-S51 <1>
(33) -N: 1: A2LP131-S01 <1>
-N: 2: SPARE <1>
(29) -N: 2: ADV151-P63 <1>
(31) -N: 2: ADV551-P63
(24) -N: 2: EC401-51 SB401-53
(26) -N: 2: PW484-53 2

FRONT PLATE



MUST BE 24 TERMINALS (P003)



(*)

DEVICE "E"
(34) A1BD5D-06
TB-01-05

DEVICE "F"
(34) A1BD5D-06
TB-02-05

DEVICE "G"
(34) A1BD5D-06
TB-03-05

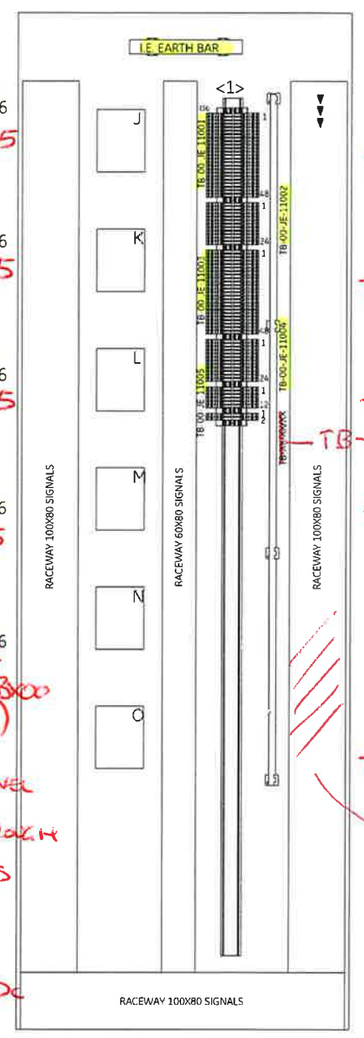
DEVICE "H"
(34) A1BD5D-06
TB-04-05

DEVICE "I"
(34) A1BD5D-06
TB-04-07
TB-00-JE-B000
(32)
3 DUAL LEVEL
1 FUSED
1 PASSTHROUGH
4 SPARES

X_FAULT
(12 PASSTHROUGH)

SHOW FUSED TERMINALS

RIGHT SIDE



DEVICE "J"
(35) A1BA4D-06
TB-01-01

DEVICE "K"
(35) A1BA4D-06
TB-01-03

DEVICE "L"
(35) A1BA4D-06
TB-02-01

TB-C-63-PT-903

DEVICE "M"
(35) A1BA4D-06
TB-02-03

DEVICE "N"
(35) A1BA4D-06
TB-03-01

DEVICE "O"
(35) A1BA4D-06
TB-03-03

(*)

(*) USE A DIFFERENT PATTERN TO IDENTIFY FIELD CABLES RACEWAYS

= CABLE ENTRY

DRAWING SCALE 1:10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
FRONT SIDE INTERNAL VIEWS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 014

REV. 1

SHEET LEFT INTENTIONALLY BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DA-00009

SHEET 015

REV. 1

TYPICAL 01



TYPICAL 01

MANUFACTURER LABEL ITEM (02)

MATERIAL	:	ALUMINIUM
DIMENSION	:	150mm x 50mm (lxh)
BACKGROUND COLOUR	:	ALUMINIUM
TEXT COLOUR	:	BLACK & GREEN
FIXING	:	BY STAINLESS STEEL SCREWS

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
MANUFACTURER LABEL DETAILS

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

A3 | DRAWING NO. 1724000594-IN-DA-00009 | SHEET 016 | REV. 1

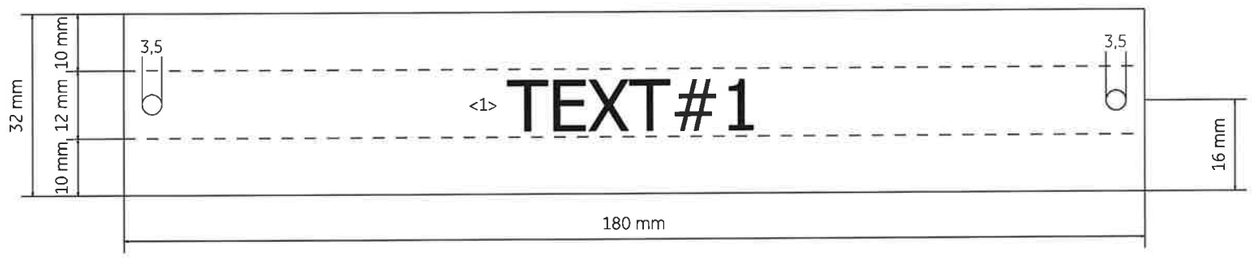
PCS PANEL - SECTION IDENTIFIER NAMEPLATE DETAILS

TYPICAL 02

LABEL FOR SECTION IDENTIFIER ITEM (05)

MATERIAL	:	TRAFOLYTE
DIMENSION	:	180mm x 32mm (lxh)
BACKGROUND COLOUR	:	TRAFOLYTE
TEXT COLOUR	:	BLACK
TEXT HEIGHT	:	12 mm
TEXT FONT	:	ARIAL
FIXING	:	BY STAINLESS STEEL SCREWS

TYPICAL 02



<1>

CABINET	TEXT#1
PCS SYSTEM CABINET	B400-PCS-001
PCS MARSHALLING CABINET	B400-PCS-002

DRAWING SCALE 1:1

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
SECTION IDENTIFIER NAMEPLATE DETAILS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 017

REV. 1

SHEET LEFT INTENTIONALLY BLANK

DRAWING SCALE 1:1

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 018

REV. 1

A B C D E F G H J K

CERTIFICATION LABELS DETAILS

TYPICAL 05

LABEL FOR ITEM IDENTIFIER : ITEM (38)

MATERIAL	:	TRAFFOLYTE
DIMENSION	:	150mm x 150mm (lxh)
BACKGROUND COLOUR	:	WHITE
TEXT COLOUR	:	BLACK
TEXT HEIGHT	:	4 mm
TEXT FONT	:	ARIAL
FIXING	:	SS316L SCREWS OR RIVETS

T.B.D.

TO UPDATE AS BUILT

01 02 03 04 05 06 07 08 09 10

DRAWING SCALE 1:1
ALL QUOTES SHOWN ARE IN MILLIMETERS

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
CERTIFICATION LABEL

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 019

REV. 1

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
01	REMOVABLE LIFTING LUGS -	MANUFACTURER STANDARD	NA001_01	~~4~~ 4	MECHANICAL PART NAMEPLATE NOT REQUIRED
02	CABINET MANUFACTURER LABEL -	MANUFACTURER STANDARD	NA001_02	2	DETAILS ON SHEET 017 TYPICAL 02
03	AIR INLET FILTER -	AUGER STANDAR	NA001_03	2	MECHANICAL PART NAMEPLATE NOT REQUIRED
04	FRONT-MOUNTED AIR EXTRACTOR FAN (SUPPLIED WITH AIR FILTER) -	AUGER STANDARD	NA001_04	2	EV1 - EV2 ~~EV~~ (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
05	SECTION IDENTIFICATION LABEL -	MANUFACTURER STANDARD	NA001_05	2	DETAILS ON SHEET 017 TYPICAL 03
06	POWER SUPPLY FEEDER MODULE PRO-ECO-480W-24V-20A INPUT 230Vac (AUTO-RANGING) - OUTPUT 24Vdc-20a	WEIDMULLER ~~QUINT4-PS/1AC/24DC/20~~ WDM.1469510000	NA001_06	2	G1 ÷ G2 (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
07	DECOUPLING & PROTECTIVE DIODE FOR REDUNDANCY - 24Vdc -	WEIDMULLER PRO DM 20 WDM.2486080000	NA001_07	2	VD1 - VD2 (INTERNAL LABEL) EXTERNAL LABLE NOT REQUIRED
<1> 08	ROTATIVE MAIN SWITCH - 115Vac / 240Vac 32A -	LOVATO GA032A	NA001_08	2	MS1 - MS2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
09	THERMOSTAT FOR FAN ON/OFF CIRCUIT -	MANUFACTURER STANDAR	NA001_09	1	TH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
10	THERMOSTAT FOR HIGH TEMPERATURE ALARM -	MANUFACTURER STANDARD	NA001_10	1	THH (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
11	PRE-ASSEMBLED RELAY BOARD FOR FAN FAULT CIRCUIT -	PREI	NA001_11	1	FRB (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
12	FEED-THROUGH TYPE TERMINAL SCREW TYPE - GREY COLOUR - SECTION 6mm²	PHOENIX CONTACT UT 6	NA001_12	9	TB-PS1 ÷ TB-PS3 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
13	TRASFORMER 240Vac / 24Vac - 50Hz -	ABB TM10 EA2616	NA001_13	1	T1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<1> 14	2 POLES COMMON BOX - 15 CONNECTION EACH POLE -	CABUR QBLOK2P125A15	NA001_14	2	CB_UPS1 - CB_UPS2 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
15	2 POLES COMMON BOX - 7 CONNECTION EACH POLE -	CABUR QBLOCK2P100A7	NA001_15	<1> 1	<1> CB_SER (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

TO ADD - LAMP (L1-L2)
- MICROSWITCH (S1-S2)
- TB-LAMP

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
MAIN COMPONENT LIST

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

A3 | DRAWING NO. 1724000594-IN-DA-00009 | SHEET 020 | REV. 1

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
16	PURE Id CIRCUIT BREAKER WITH AUXILIARY CONTACT 2 POLES - 240Vac - 50Hz - 25A - Id: 30mA	EATON FAZ SERIES	NA001_16	1	Q1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
17	AUTOMATIC MAGNETO-THERMAL CIRCUIT BREAJER - 115Vac / 240Vac WHIT AUXILIARY CONTACT TO SPLIT BY DIFFERENT RATING	EATON FAZ SERIES	NA001_17	<1> 18	<1> Q2 ÷ Q19 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
18	DISTRIBUTION TERMINALS - SCREW TYPE - SECTION 2.5mm² FEED THROUGH TYPE - GREY COLOUR	PHOENIX CONTACT UT 2.5 PXC.3044076	NA001_18	<1> 22	<1> TB-Q5, X24L-, X12L- (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
19	TERMINALS - SPRING TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	<1> PHOENIX CONTACT UT 4 HESILED PXC.3214366	NA001_19	<1> 15	TB-FU - X24L+ (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<1> 20	SCREW TYPE TERMINALS - SECTION 4 FEED THROUGH TYPE - GREY COLOUR	PHOENIX CONTACT UT 4-QUATTRO PXC.3044571	NA001_20	4	CB_24Vdc (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
21	SERVICE SOCKET INCLUDING SOCKET DIN MOUNTING KIT	MANUFACTURER STANDARD	NA001_21	1	SK1 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
22	FIELD CONTROL STATION (REDUNDANT) -	YOKOGAWA AFV30D-A41262	NA001_22	1	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
23	ANALOG INPUT MODULE, 16 CHANNEL -	YOKOGAWA AAI143-H53/K4A00	NA001_23	8	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
24	ESB BUS COUPLER MASTER MODULE -	YOKOGAWA EC401-51	NA001_24	8/2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
25	PROCESSOR MODULE -	YOKOGAWA CP471-01	NA001_25	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
26	220-240V AC INPUT POWER SUPPLY MODULE -	<1> YOKOGAWA PW484-53	NA001_26	8	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
27	NODE INTERFACE UNIT -	YOKOGAWA ANB10D-426/CU2N	NA001_27	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
28	ANALOG OUTPUT MODULE, 16 CHANNEL -	YOKOGAWA AAI543-H61/K4A00	NA001_28	4	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
29	DIGITAL INPUT MODULE, 32 CHANNEL -	YOKOGAWA ADV151-P63/D5A00	NA001_29	8	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
30	NODE INTERFACE UNIT -	YOKOGAWA ANB10D-426/CU2T	NA001_30	1	T.B.D (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED

WHY MODEL N. IS CHANGED?
THIS CODE IS FOR 24VDC INPUT VOLTAGE!!

Q18-Q19 TO BE ADDED (24V DC)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND

ROSETTI MARINO

TITLE: BASE LOAD POWER HUB (E ... BLP
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
MAIN COMPONENT LIST

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

SCALE: 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 021

REV. 1

POS.	DESCRIPTION	MANUFACTURER TYPE & MODEL	SHIPPING BOM MARK	Q.TY	NAMEPLATE
31	DIGITAL OUTPUT MODULE, 32 CHANNEL -	YOKOGAWA ADV551-P63/D5A00	NA001_31	2	T.B.D. (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
32	MODBUS TCP/IP COMMUNICATION MODULE -	YOKOGAWA ALE111-S51	NA001_32	~~1~~ 3	~~T.B.D.~~ (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
33	PROFINET COMMUNICATION MODULE -	YOKOGAWA A2LP131-S01	NA001_33	1	~~T.B.D.~~ (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
34	TB FOR DIGITAL DIN MOUNT TYPE -	YOKOGAWA A1BD5D-06	NA001_34	5	~~T.B.D.~~ (INTERNAL LABEL) TB-xx (see sheet 14) EXTERNAL LABEL NOT REQUIRED
35	TB FOR ANALOG DIN MOUNT TYPE -	YOKOGAWA A1BA4D-06	NA001_35	6	~~T.B.D.~~ (INTERNAL LABEL) ~~TB-xx (see sheet 14)~~ TB-xx (See sh 14) EXTERNAL LABEL NOT REQUIRED
36	SCREW TYPE TERMINALS - SECTION 4 <1> KNIFE DISCONNECT TYPE - GREY COLOUR	<1> PHOENIX CONTACT UDMTK 5 PXC.3048467	NA001_36	<1> 217	TB-00-JE-11001 / TB-00-JE-11002 / TB-00-JE-11003 / TB-00-JE-11004 / TB-00-JE-11005 / TB-00-JE-12001 / TB-00-JE-12002 / TB-00-JE-12003 / TB-00-JE-12004 / TB-00-JE-12005 / TB-00-JE-12006 / TB-00-JE-13001 / TB-00-JE-13002 / TB-00-JE-13003 / TB-XX/XX/XX <1> EXTERNAL LABEL NOT REQUIRED
37	RELAY 24Vdc - 1 NO+NC -	PHOENIX CONTACT PLC-RSC- 24DC/21 2966171	NA001_37	<1> 18	<1> K001÷K018 (INTERNAL LABEL) EXTERNAL LABEL NOT REQUIRED
<1> 38	PREI CE LABEL -	MANUFACTURER STANDARD	NA001_38	1	DETAILS ON SHEET 019 TYPICAL 05
<1> 39	TERMINALS - SPRING TYPE - SECTION 4mm² FUSE DISCONNECT TYPE - BLACK COLOUR	PHOENIX CONTACT UT 4-HESI PXC.3046032	NA001_39	5	X12L+ (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
<1> 40	POWER SUPPLY FEEDER MODULE INPUT 24Vdc - OUTPUT 12Vdc	MEANWELL DDR-15G-24	NA001_40	2	G4 ~~G3~~ (INTERNAL LABLE) EXTERNAL LABEL NOT REQUIRED
41	MCT MANUFACTURER AND MODEL NUMBER IS MISSING -	PLEASE CHECK THE CODE, SEEMS 24VDC OUTPUT INSTEAD OF 12VDC	-	QTY SHOULD BE 2, TO AVOID SINGLE POINT OF FAILURE	-
~~42~~	- ESB BUS COUPLER SLAVE MODULE -	YOKOGAWA SB401-53		6	-
43	- -	-	-	-	-
44	- -	-	-	-	-
45	- -	-	-	-	-

Model Encoding

DDR - 15 G - 24

- Output voltage(3.3/5/12/15/24Vdc)
- Input voltage (G:9~36Vdc, L:18~75Vdc)
- Rated wattage
- Series name

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	05.08.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	20.05.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_CLO

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT
MAIN COMPONENT LIST

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DA-00009

SHEET 022

REV. 1

BASE LOAD POWER HUB (BLPH)
PCS CABINETS
WIRING DIAGRAMS AND
TERMINAL STRIPS

ROSETTI MARINO	
1	NO COMMENTS - APPROVED - WORK MAY PROCEED
2	MINOR COMMENTS - REVISE AND RESUBMIT - WORK MAY PROCEED
3	MAJOR COMMENTS – REJECTED – DO NOT PROCEED
4	APPROVAL NOT REQUIRED
NOTE: Approval doesn't relieve the supplier from mandatory compliance with contractual documents and specifications. Comments made do not imply acceptance of any cost or delivery impact.	
Sign	Date
	20/09/2024

MACTEL
COPIA X TEST FINALI
DATE 4/10/24

NEXT REVISION SHALL BE "ACCEPTED FOR CONSTRUCTION (AFC)"

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
COVER PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 001

REV 01 0

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
001	X									BASE LOAD POWER HUB (BLPH) COVER PAGE
002	X									BASE LOAD POWER HUB (BLPH) INDEX
003	X									BASE LOAD POWER HUB (BLPH) LEGEND
004	X	X								BASE LOAD POWER HUB (BLPH) SYMBOL LEGEND
005	X	X								BASE LOAD POWER HUB (BLPH) TYPICAL WIRE MARKING & EARTH BAR CONNECTION DETAILS
006	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1
007		X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1
008	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2
009		X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2
010	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS
011	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS
012	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN
013	X									BASE LOAD POWER HUB (BLPH) SPARE PAGE
014	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac / 24Vdc POWER DISTRIBUTION
015	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - 230Vac/12Vdc POWER DISTRIBUTION
016	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - BREAKER FAULT ALARM CIRCUIT
017	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - SHIELD / GROUND CONNECTION
018	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - FAULT ALARM SIGNALS TO DCS
019		X								BASE LOAD POWER HUB (BLPH) PCS PANEL - FAULT ALARM SIGNALS TO DCS
020	X									BASE LOAD POWER HUB (BLPH) PCS PANEL - 24Vdc POWER DISTRIBUTION

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
021	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - RACK "A" POWER DISTRIBUTION
022	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - RACK "B" POWER DISTRIBUTION
023	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - RACK "C" POWER DISTRIBUTION
024	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - RACK "D" POWER DISTRIBUTION
025	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT
026	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL - TYPICAL WIRING ANALOG INPUT/OUTPUT
027	X	X								BASE LOAD POWER HUB (BLPH) SPARE PAGE
028	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11001
029	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11002
030	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11003
031	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11004
032	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-11005
033	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12001
034	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12002
035	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12003
036	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12004
037	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12005
038	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-12006
039	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-13001
040	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-13002

PAG. NR.	REVISION 0	1	2	3	4	5	6	7	8	TITLE
041	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-13003
042	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-00-JE-BX00
043	X	X								BASE LOAD POWER HUB (BLPH) PCS PANEL -TB-C-63-PT-003

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
INDEX

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 002

REV. 01

NUMBER	SYMBOL	REFERENCE	DESCRIPTION
01		IEC 60417-5031	DIRECT CURRENT
02		IEC 60417-5032	ALTERNATING CURRENT
03		IEC 60417-5033	BOTH DIRECT AND ALTERNATING CURRENT
04			THREE-PHASE ALTERNATING CURRENT
05		IEC 60417-5017	EARTH (GROUND) TERMINAL
06		IEC 60417-5019	PROTECTIVE CONDUCTOR TERMINAL
07		IEC 60417-5020	FRAME OR CHASSIS TERMINAL
08		IEC 60417-5021	EQUIPOTENTIALITY
09		IEC 60417-5007	ON (SUPPLY)
10		IEC 60417-5008	OFF (SUPPLY)
11		IEC 60417-5172	EQUIPMENT PROTECTED THROUGHOUT BY DOUBLE INSULATION OR REINFORCED INSULATION
12			CAUTION RISK OF ELECTRIC SHOCK
13		IEC 60417-5041	CAUTION HOT SURFACE
14		ISO 7000-0434	CAUTION RISK OF DANGER
15		IEC 60417-5266	IN POSITION OF A BI-STABLE PUSH CONTROL
16		IEC 60417-5269	OUT POSITION OF A BI-STABLE PUSH CONTROL

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
LEGEND

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 003

REV. 0

MSXX XA	ROTATIVE MAIN SWITCH -	EVx Fux	ELECTRIC FAN WITH FAULT DETECTION	BARRIER NAME	I.S. BARRIER (NOTE: AB-xx FOR ACTIVE BARRIERS, ZB-xx FOR ZENER BARRIERS)
QFXX XA XMA Qx 13 14	DIFFERENTIAL RESIDUAL CURRENT CIRCUIT BREAKER WITH AUXILIARY CONTACT	HEx	PANEL ELECTRIC HEATER -	ISOLATOR NAME	GALVANIC ISOLATOR -
QFXX XA Qx 13 14	AUTOMATIC CIRCUIT BREAKER WITH AUXILIARY CONTACT	T1 230Vac 24Vac 230Vac/24Vac	AC/AC VOLTAGE TRANSFORMER -	1	FUSED TERMINAL -
QUXX XA	DISCONNECTOR WITH FUSE -	TL1 <1>	THERMOSTATE NO CONTACT -	1	KNIFE TERMINAL -
QFXX XA XMA	PURE RESIDUAL CURRENT CIRCUIT BREAKER	KXX	NO CONTACT -	1	FEED THROUGH TERMINAL -
L1 5AX PEN L2 N°1 2805320 PEN - N°2 2807580 -	SURGE ARRESTOR -	KXX	NC CONTACT -	(20-B02) PAGE ROW (20-B02) COLUMN	PAGE CROSS REFERENCE INDICATION -
EF-1	LINE FILTER MODULE -	Sx	DOOR LIMIT SWITCH -	CBxx L N	COMMON BOX -
SKxx	SERVICE SOCKET -	HA-x	FRONT PANEL ALARM BUZZER -		- -
GDXX 480W AC DC	AC/DC FEEDER -	Hx 15W	INTERNAL LIGHT OR FRONT PANEL LIGHT		- -
VDX IN IN OUT OUT REDUNDANCY DIODE MODULE 40A	REDUNDANCY DIODE MODULE -		MUSHROOM PUSHBUTTON INDICATOR NORMAL PUSHBUTTON INDICATOR		- -
KX	RELAYS -		ROTATIVE SELECTOR INDICATOR -		- -
	- -	Rø 10kΩ	RESISTOR -		- -
	- -		- -		- -

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
SYMBOL LEGEND

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

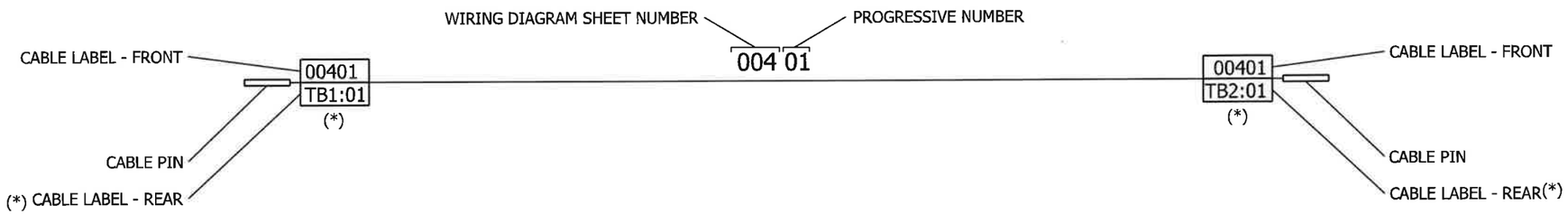
SHEET 004

REV. 0

COLOR ACRONYMS LIST :

RD	-	RED
BK	-	BLACK
BL	-	BLUE
LB	-	LIGHT BLUE
GR	-	GREY
GN	-	GREEN
YE	-	YELLOW
Y/G	-	YELLOW/GREEN
BR	-	BROWN
WH	-	WHITE

TYPICAL WIRE MARKING



EARTH CONNECTION RESUME TABLE:

	CABINET
P.E. EARTH	
I.E. EARTH	

EARTH ACRONYMS LEGEND :

P.E. (GND) - PROTECTION EARTH (GROUND, FRAME CHASSIS)
I.E. (F.E.) - INSTRUMENT EARTH (NOISELESS), FUNCTIONAL EARTH

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD
CROSSWIND
ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
TYPICAL WIRE MARKING &
EARTH BAR CONNECTION DETAILS

CONTRACT NO./TITLE CW EARTH 20 BARGE/HOLLAND SOUTH OFFSHORE WIND PARK

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 005

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM UPS LINE 1

230Vac-50Hz
FROM UPS#1
(BY CUSTOMER)

TB-PS2 1 2 3 — CUSTOMER CONNECTION POINT

00601 BR 6 mm² — 00603 LB 6 mm² — 00611 YG 6 mm² — PE

CB_UPS1
(007-B02)

N P N P N P N P N P N P N P — (007-C02) (007-C02)

MS1
230Vac
32A

00604 BR 6 mm² — 00602 LB 6 mm²

	00605 BR 2,5 mm² / 00606 LB 2,5 mm²	00607 BR 2,5 mm² / 00608 LB 2,5 mm²	00609 BR 2,5 mm² / 00610 LB 2,5 mm²	00612 BR 2,5 mm² / 00613 LB 2,5 mm²	00614 BR 2,5 mm² / 00615 LB 2,5 mm²	00616 BR 2,5 mm² / 00617 LB 2,5 mm²
	Q6	Q7	Q8	Q9	Q10	Q11
	230Vac 16A "C" CURVE	230Vac 6A "D" CURVE	230Vac 6A "D" CURVE	230Vac 6A "D" CURVE	230Vac 6A "D" CURVE	230Vac 10A "C" CURVE
	13-14 (016-B02)	13-14 (016-A02)	13-14 (016-A03)	13-14 (016-B03)	13-14 (016-C03)	21-22 (016-E03)
	01401 BR 2,5 mm² / 01402 LB 2,5 mm²	02101 BR 1,5 mm² / 02102 LB 1,5 mm²	02201 BR 1,5 mm² / 02202 LB 1,5 mm²	02301 BR 1,5 mm² / 02302 LB 1,5 mm²	02401 BR 1,5 mm² / 02402 LB 1,5 mm²	SPARE
	(014-B02) (014-B02)	(021-G02) (021-G02)	(022-G02) (022-G02)	(023-G02) (023-G02)	(024-G02) (024-G02)	
	POWER SUPPLY G1	POWER SUPPLY (1) RACK "A" PW482-51	POWER SUPPLY (1) RACK "B" PW482-51	POWER SUPPLY (1) RACK "C" PW482-51	POWER SUPPLY (1) RACK "D" PW482-51	
		1	2	3	4	

01 02 03 04 05 06 07 08 09 10

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND — ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 006

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM UPS LINE 1



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 1

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 007

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM UPS LINE 2

230Vac-50Hz
FROM UPS#2
(BY CUSTOMER)

TB-PS2 1 2 3

CUSTOMER CONNECTION POINT

00801 BR 6 mm² | 00803 LB 6 mm² | 00611 YG 6 mm² | PE

CB_UPS2
(009-B02)

(009-C02)
(009-C02)

MS2
230Vac
32A

00804 BR 6 mm² | 00802 LB 6 mm²

	00805 BR 2,5 mm²	00806 LB 2,5 mm²	00807 BR 2,5 mm²	00808 LB 2,5 mm²	00809 BR 2,5 mm²	00810 LB 2,5 mm²	00811 BR 2,5 mm²	00812 LB 2,5 mm²	00813 BR 2,5 mm²	00814 LB 2,5 mm²	00815 BR 2,5 mm²	00816 LB 2,5 mm²
	Q12		Q13		Q14		Q15		Q16		Q17	
	230Vac 16A "C" CURVE		230Vac 6A "D" CURVE		230Vac 6A "D" CURVE		230Vac 6A "D" CURVE		230Vac 6A "D" CURVE		230Vac 10A "C" CURVE	
	(016-E03)		(016-F03)		(016-G03)		(016-F04)		(016-E04)		(016-E04)	
	01403 BR 2,5 mm²	01404 LB 2,5 mm²	02103 BR 1,5 mm²	02104 LB 1,5 mm²	02203 BR 1,5 mm²	02204 LB 1,5 mm²	02303 BR 1,5 mm²	02304 LB 1,5 mm²	02403 BR 1,5 mm²	02404 LB 1,5 mm²	SPARE	
	(014-H02)	(014-H02)	(021-H02)	(021-H02)	(022-H02)	(022-H02)	(023+H02)	(023+H02)	(024-H02)	(024-H02)		
	POWER SUPPLY G2		POWER SUPPLY (2) RACK "A" PW482-51		POWER SUPPLY (2) RACK "B" PW482-51		POWER SUPPLY (2) RACK "C" PW482-51		POWER SUPPLY (2) RACK "D" PW482-51			
			1		2		3		4			

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2

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

A3 | DRAWING NO. 1724000594-IN-DG-00020 | SHEET 008 | REV. 0

PCS PANEL - POWER DISTRIBUTION FROM UPS LINE 2



REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM UPS LINE 2

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

SCALE : 1

A3

DRAWING NO.
1724000594-IN-DG-00020

SHEET 009

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM NON UPS

230Vac-50Hz
FROM MCC
(BY CUSTOMER)

CUSTOMER CONNECTION POINT

TB-PS3 1 2 3

01001 BR 6 mm² | 01003 LB 6 mm² | 00611 YG 6 mm² → PE

CB_SER
(011-A01)

N P P N P N P N

(011-A01)
(011-A01)

01004 LB 6 mm² | 01002 BR 6 mm²

01005 BR 2,5 mm² | 01007 LB 2,5 mm²

01009 BR 2,5 mm² | 01014 LB 2,5 mm²

01017 BR 2,5 mm² | 01018 LB 2,5 mm²

4A INSTALLED
TO BE REPLACED
(P004)

Q1
230Vac
25A
Id 30mA
(016-G02)

Q2
230Vac
16A
"C" CURVE
(016-F02)

Q3
230Vac
2A
"C" CURVE
(016-E02)

Q4
230Vac
4A
"C" CURVE
(016-D02)

TB-LAMP

SPARE

01006 BR 2,5 mm² | 01008 LB 2,5 mm²

01010 BR 1,5 mm² | 01011 BR 1,5 mm²

S1 S2

01012 BR 1,5 mm² | 01016 BR 1,5 mm²

H1 H2

SK1

00611 YG 2,5 mm² → PE

01013 LB 1,5 mm² | 01015 LB 1,5 mm²

SERVICE SOCKET
230Vac 50Hz

INTERNAL LIGHT (LEFT SIDE)
230Vac 50Hz
TOTAL CONSUMPTION: 15W

INTERNAL LIGHT (RIGHT SIDE)
230Vac 50Hz
TOTAL CONSUMPTION: 15W

NOTE:
INTERNAL LAMP IS DOUBLE INSULATION DEVICE.
NO EARTH CONNECTION REQUIRED.

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 010

REV. 0

PCS PANEL - POWER DISTRIBUTION FROM NON UPS

CB_SER
(010-B02)
(010-K02)
(010-K02)
P
N
01101 BR 2.5 mm²
01104 LB 2.5 mm²
Q5
1
3
13
14
Q5
230Vac
2A
"C" CURVE
(016-C02)
2
4
01102 BR 2.5 mm²
01105 LB 2.5 mm²

T1
01106 BR 1.5 mm²
01107 LB 1.5 mm²
1
3
2
4
230Vac/24Vac

<1>

TB-Q5
1 2 3 4 5 6 7
01103 BR 1.5 mm²
01201 LB 1.5 mm²
01202 BR 1.5 mm²
01203 LB 1.5 mm²
01108 LB 2.5 mm²
01109 BR 2.5 mm²
01110 LB 2.5 mm²
(012-B02)
(012-B02)
(012-B02)
(012-B02)
(012-D02)
(012-D02)
(012-D02)

INTERNAL FAN (LEFT SIDE)
230Vac 50Hz
TOTAL CONSUMPTION: 40W

INTERNAL FAN (RIGHT SIDE)
230Vac 50Hz
TOTAL CONSUMPTION: 40W

01111 LB 1.5 mm²
01113 BR 1.5 mm²
01114 LB 1.5 mm²
01112 BR 1.5 mm²

<1>

TB-FU
FUSE RATING: 0.5A
1 2 3 4
01204 LB 1.5 mm²
01205 BR 1.5 mm²
01115 LB 1.5 mm²
01116 BR 1.5 mm²
(012-C02)
(012-C02)
(012-E02)
(012-E02)

24Vac 50Hz
FAN FAULT
CIRCUIT
(LEFT SIDE)

24Vac 50Hz
FAN FAULT
CIRCUIT
(RIGHT SIDE)

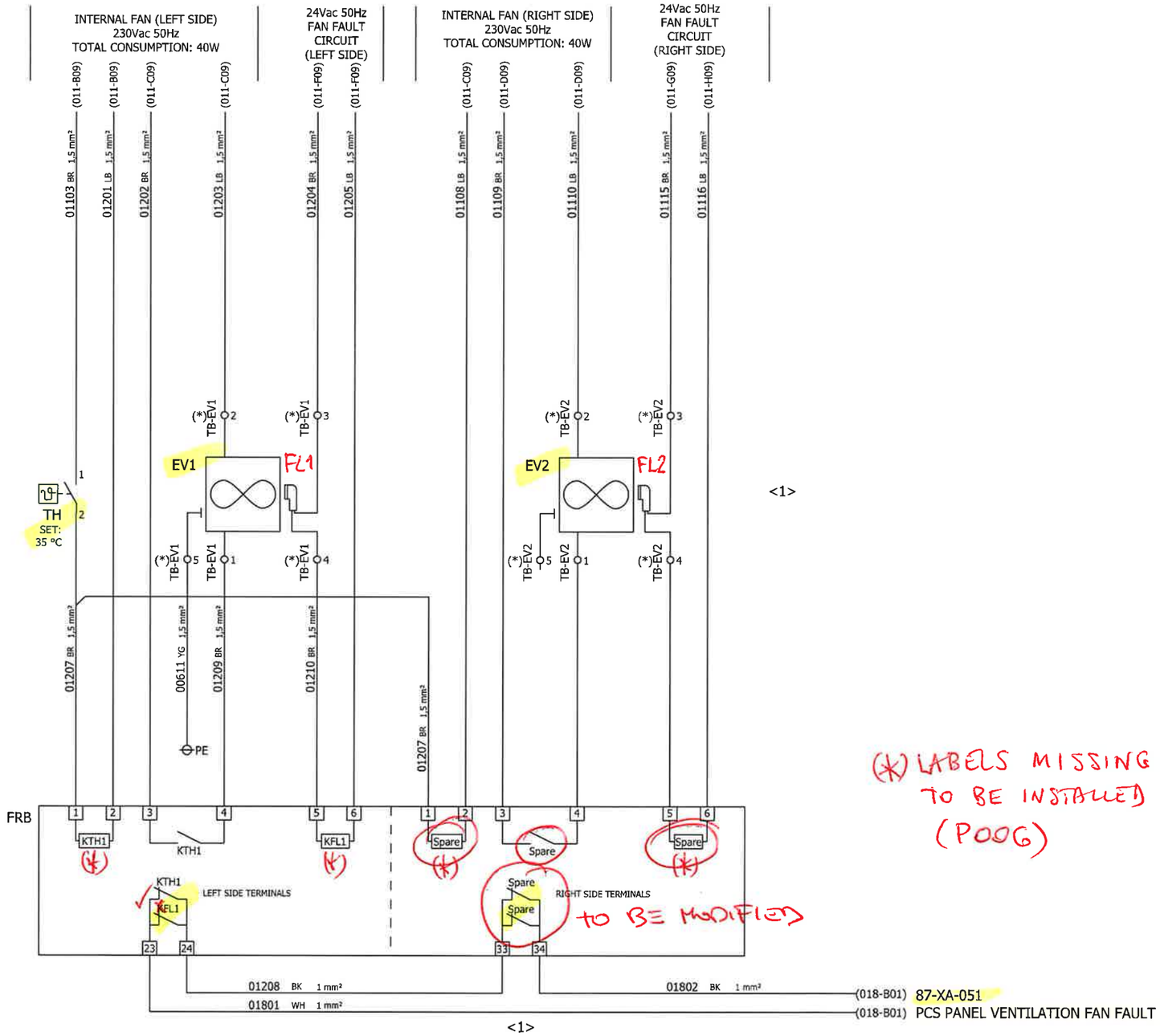
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YOKOGAWA
PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD
CROSSWIND
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac POWER DISTRIBUTION FROM NON-UPS

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK
SCALE : 1
A3
DRAWING NO. 1724000594-IN-DG-00020
SHEET 011
REV. 0

PCS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN & HEATER



<1>

(*) LABELS MISSING TO BE INSTALLED (POOG)

to BE MODIFIED

NOTE (*):
TB-EV IS A FEED THROUGH TERMINAL BOARD FOR PRE-WIRED ITEMS CONNECTION. FOR THIS REASON, WIRE NUMBERS WILL BE THE SAME ON BOTH SIDES.

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac 50Hz POWER DISTRIBUTION VENTILATION FAN

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 012

REV. 0

SHEET LEFT INTENTIONALLY BLANK

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 013

REV. 0

PCS PANEL - 230Vac/24Vdc POWER DISTRIBUTION

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#1

(006-D09) (006-D09)

01401 BR 2,5 mm² 01402 LB 2,5 mm²

G1
IN: 230Vac
OUT: 24Vdc
480W
20A
WEIDMULLER PRO ECO
code 1469510000

AC DC (+) N(-) 13 14 PE + + - -

01803 WH 1 mm² (018-B02)

00611 YG 2,5 mm² PE

01405 RD 4 mm² 01407 BU 4 mm² 01406 RD 4 mm² 01410 BU 4 mm²

01413 WH 1 mm² <1>

87-XA-052
PCS PANEL POWER SUPPLY
24Vdc FAILURE <1>

VD1
(014-G06)
20A
WEIDMULLER PRO DM 20
code 2486080000

IN1+ IN1- IN2+ IN2- OUT+ OUT- 13 14

01414 WH 1 mm²

01408 RD 6 mm² 01411 BU 6 mm²

INSTALLED
10A
TO BE REPLACED
(P005)

Q18
24Vdc
32A

1 2 3 4 Q18 13 14 (016-B05)

01409 RD 6 mm² 01412 BU 6 mm²

CB_24Vdc
(020-A01)

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#2

(008-D08) (008-D08)

01403 BR 2,5 mm² 01404 LB 2,5 mm²

G2
IN: 230Vac
OUT: 24Vdc
480W
20A
WEIDMULLER PRO ECO
code 1469510000

AC DC (+) N(-) 13 14 PE + + - -

01413 WH 1 mm²

1808

KA1-KA2
CONTACT TO
BE ADDED
IN SERIES

00611 YG 2,5 mm² PE

01415 RD 4 mm² 01417 BU 4 mm² 01416 RD 4 mm² 01420 BU 4 mm²

01423 WH 1 mm² <1>

VD2

VD1
(014-B06)
20A
WEIDMULLER PRO DM 20
code 2486080000

IN1+ IN1- IN2+ IN1- OUT+ OUT- 13 14

01804 BK 1 mm² (018-B02)

87-XA-052 <1>
PCS PANEL POWER SUPPLY
24Vdc FAILURE

01418 RD 6 mm² 01421 BU 6 mm²

Q19
24Vdc
32A

1 2 3 4 Q19 13 14 (016-C05)

01419 RD 6 mm² 01422 BU 6 mm²

(020-A01)
(020-A01)

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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac / 24Vdc POWER DISTRIBUTION

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 014

REV. 0

PCS PANEL - 230Vac/12Vdc POWER DISTRIBUTION

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#1

POWER SUPPLY LINE
230Vac 50Hz
FROM UPS#2

12VDC POWER SUPPLIERS FAILURE TO BE DETECTED.
ALARM CONTACTS TO BE WIRED IN SERIES WITH 24VDC FAILURE
(SHEET 014) CONCURRING TO THE ALARM SIGNAL 87-XA-052.

(007-C09) 01501 BR 2.5 mm²
(007-C09) 01502 LB 2.5 mm²

G3
IN: 230Vac
OUT: 12Vdc
15W
1,25A
MEAN WELL
HDR-15-12

<1>

00611 YG 2,5 mm² PE

1808
1809

KA1

01505 RD 1,5 mm²
01506 BU 1,5 mm²

(009-C09) 01503 BR 2.5 mm²
(009-C09) 01504 LB 2.5 mm²

G4
IN: 230Vac
OUT: 12Vdc
15W
1,25A
MEAN WELL
HDR-15-12

<1>

00611 YG 2,5 mm² PE

KA2

1809
1804

01509 RD 1,5 mm²
01510 BU 1,5 mm²

TB_D
DIODE 1N4007

<1>

01507 RD 0.5 mm²
01508 BU 0.5 mm²

TO
TB-00-JE-BX00
SEE Sh. 042

12VDC POWER
SUPPLY TO MOTION
DETECTORS "TIR"
(TO SHEET 042)

CB_12VDC

~~<1>~~
~~TB-00-JE-12001~~
~~PD-43-FT-001~~
~~ULTRASONIC FLOW~~
~~METER POWER SUPPLY~~

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YOKOGAWA
PROJECT Nr. E36672C00
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CROSSWIND
ROSETTI MARINO

TITLE :
BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 230Vac/12Vdc POWER DISTRIBUTION

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

SCALE : 1

A3

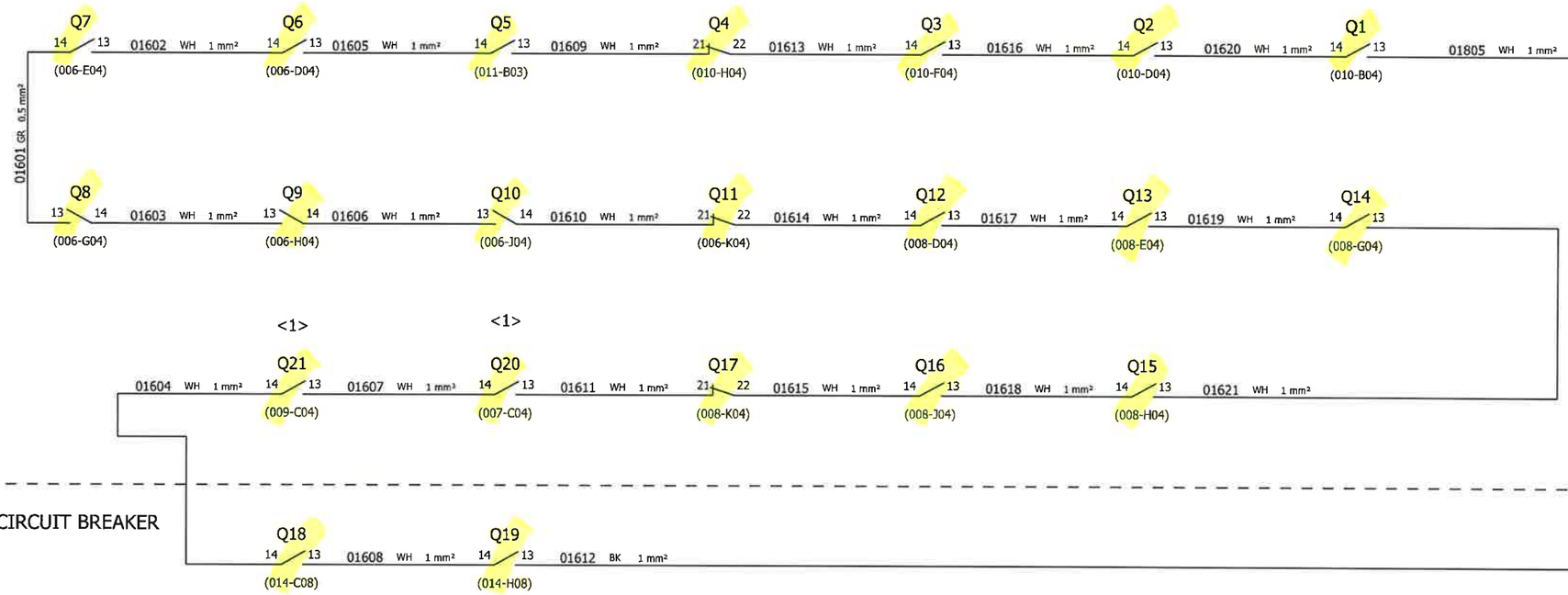
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1724000594-IN-DG-00020

SHEET 015

REV. 0

PCS PANEL - BRAKER FAULT ALARM CIRCUIT

230Vac CIRCUIT BREAKER



87-XA-053
PCS PANEL CUMULATIVE
BREAKER FAULT

24Vdc CIRCUIT BREAKER

NOTE : SPARE CIRCUIT BREAKER FAULT CONTACT TO BE CONNECTED ON NORMALLY CLOSE CONTACT.
CHANGE CONNECTION TO NORMALLY OPEN CONTACT WHEN THE BREAKER WILL BE USED

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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - BREAKER FAULT ALARM CIRCUIT

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

SCALE : 1

A3

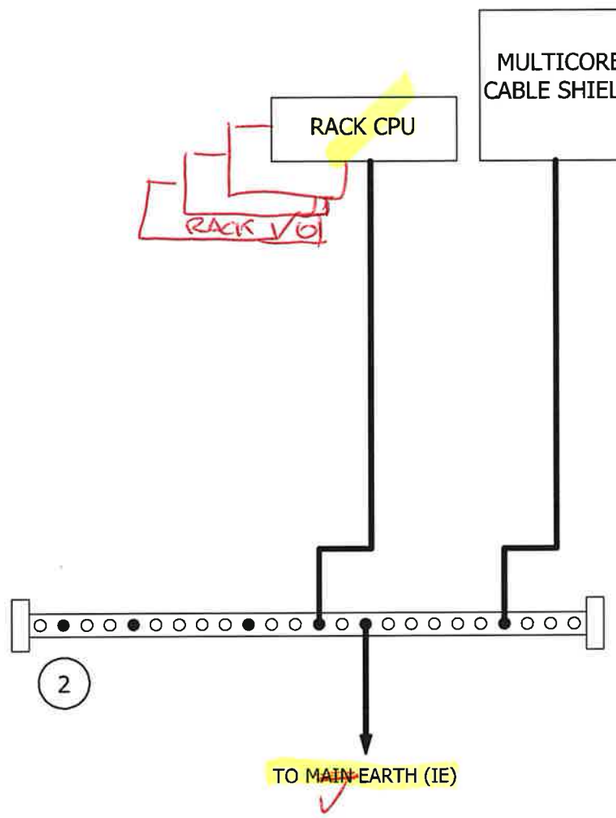
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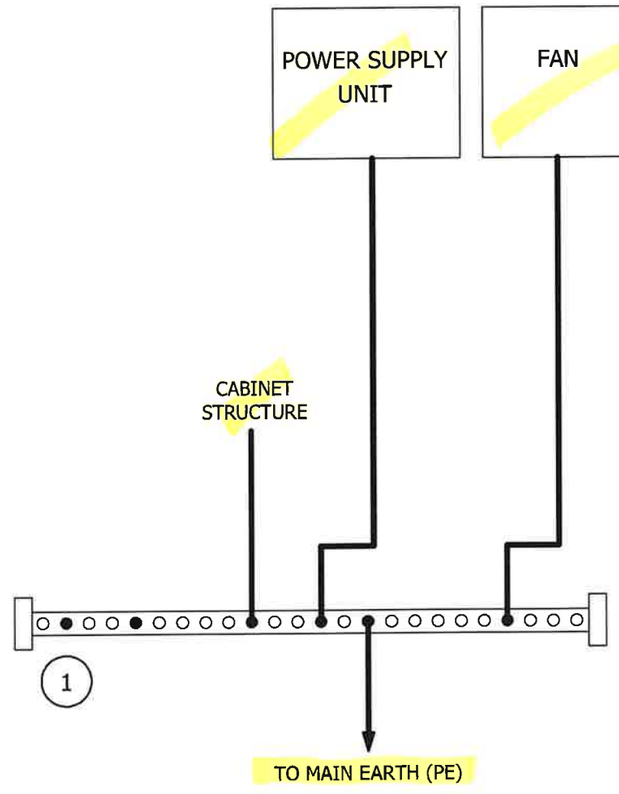
SHEET 016

REV. 0

PCS PANEL - SHIELD/GROUND CONNECTION

POS.	EARTH TYPE	DESCRIPTION SYSTEM EARTH
1	P.E. EARTH	PROTECTION EARTH (GROUND, FRAME CHASSIS)
2	I.E. EARTH	INSTRUMENTAL EARTH





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YOKOGAWA ◆ PROJECT Nr. E36672C00
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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - SHIELD / GROUND CONNECTION

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 017

REV. 0

PCS PANEL - FAULT ALARM SIGNALS TO PCS

<1>	87-XA-051	(012-F10)	01802 WH 1 mm²	16A	IN 16	SLOT 5	NODE 4	87-XA-051
	-	(012-F10)	01801 BK 1 mm²	16B	IN 16	SLOT 5	NODE 4	-
				16C	IN 16	SLOT 5	NODE 4	<1>
<1>	87-XA-052	(014-C04)	01803 WH 1 mm²	17A	IN 17	SLOT 5	NODE 4	87-XA-052
	-	(014-J06)	01804 BK 1 mm²	17B	IN 17	SLOT 5	NODE 4	-
				17C	IN 17	SLOT 5	NODE 4	<1>
<1>	87-XA-053	(016-J02)	01805 WH 1 mm²	18A	IN 18	SLOT 5	NODE 4	87-XA-053
	-	(016-J02)	01612 BK 1 mm²	18B	IN 18	SLOT 5	NODE 4	-
				18C	IN 18	SLOT 5	NODE 4	<1>
<1>	87-XA-054	THH SET: 40 °C <1>	01806 WH 1 mm²	19A	IN 19	SLOT 5	NODE 4	87-XA-054
	-		01807 BK 1 mm²	19B	IN 19	SLOT 5	NODE 4	-
				19C	IN 19	SLOT 5	NODE 4	<1>

INSERT DETAIL (PUNCH P010)

20 A	IN 20	5.3	4.4	87-XA-055
B	↓	↓	↓	
C				

CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
87-XA-051	PCS PANEL VENTILATION FAN FAULT
87-XA-052	PCS PANEL POWER SUPPLY & DIODES FAILURE
87-XA-053	PCS PANEL CUMULATIVE BREAKER FAULT
87-XA-054	PCS PANEL HIGH TEMPERATURE ALARM
87-XA-055	PCS PANEL DIGITAL TB COMM. FAULT

CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
-	-
-	-
-	-
-	-
-	-

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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - FAULT ALARM SIGNALS TO DCS

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

SCALE : 1

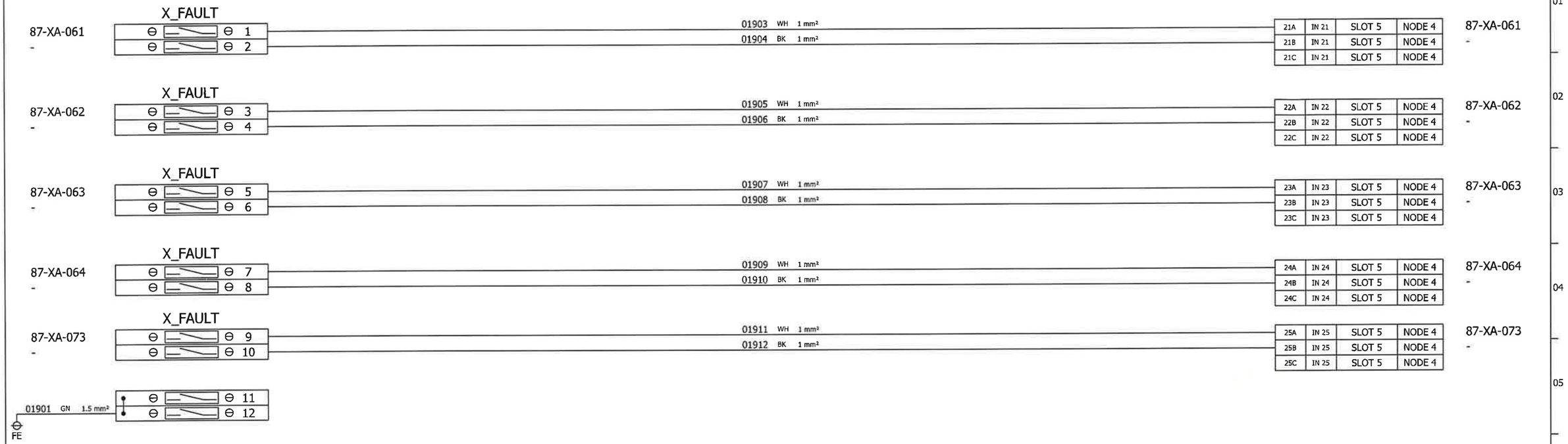
A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 018

REV. 0

PCS PANEL - FAULT ALARM SIGNALS TO PCS



CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
87-XA-061	NET PANEL VENTILATION FAN FAULT
87-XA-062	NET PANEL POWER SUPPLY & DIODES FAILURE
87-XA-063	NET PANEL CUMULATIVE BREAKER FAULT
97-XA-064	NET&SERV PANEL HIGH TEMPERATURE ALARM
87-XA-073	SERV PANEL CUMULATIVE BREAKER FAULT

CUSTOMER TAG	SIGNAL DESCRIPTION FROM IO LIST
-	-
-	-
-	-
-	-
-	-

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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - FAULT ALARM SIGNALS TO DCS

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

SCALE : 1

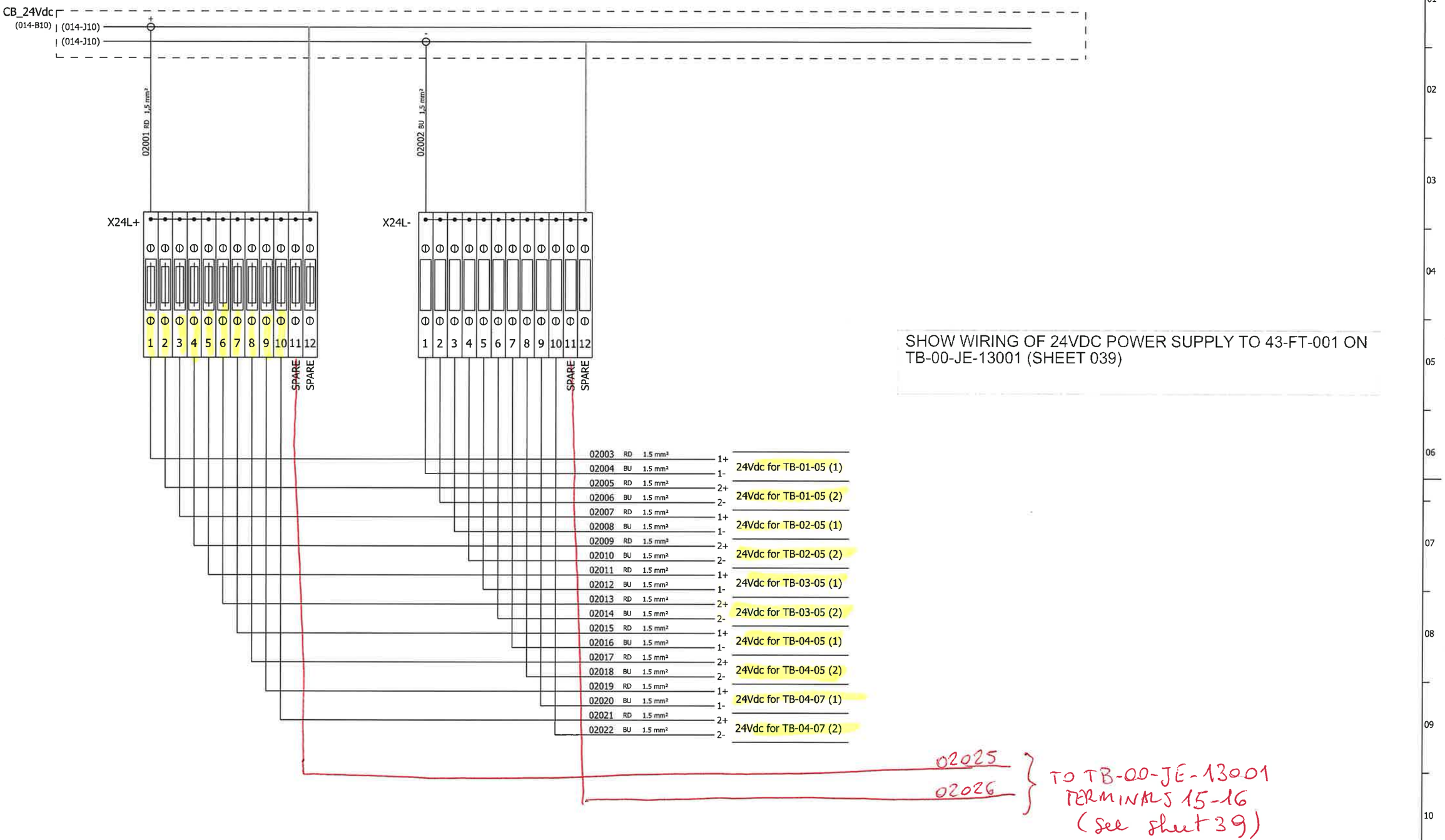
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DRAWING NO. 1724000594-IN-DG-00020

SHEET 019

REV. 0

PCS PANEL - 24Vdc POWER DISTRIBUTION



SHOW WIRING OF 24VDC POWER SUPPLY TO 43-FT-001 ON TB-00-JE-13001 (SHEET 039)

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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - 24Vdc POWER DISTRIBUTION

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

SCALE : 1

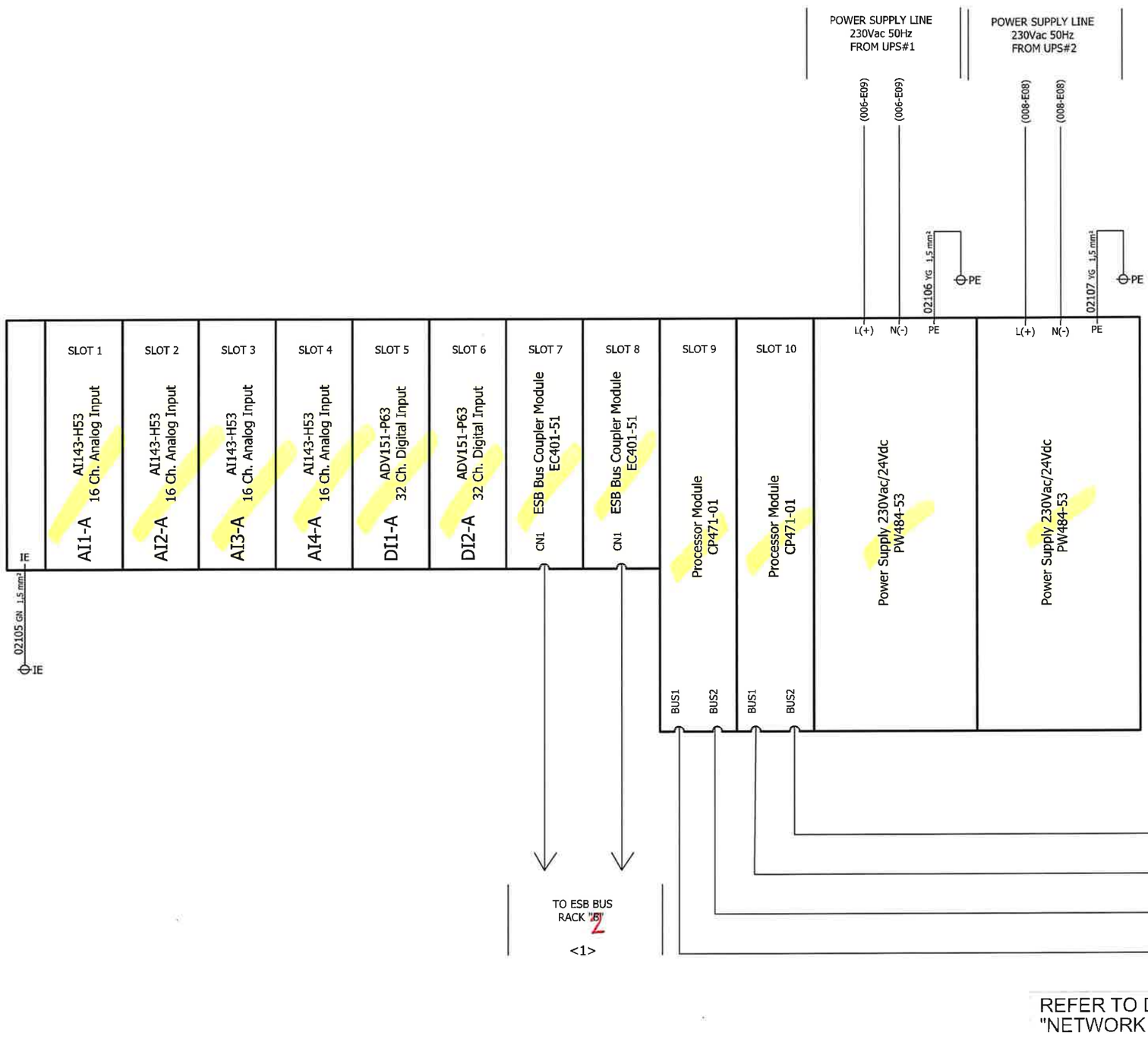
A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 020

REV. 0

PCS PANEL - RACK "A" POWER DISTRIBUTION



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CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - RACK "A" POWER DISTRIBUTION

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

SCALE : 1

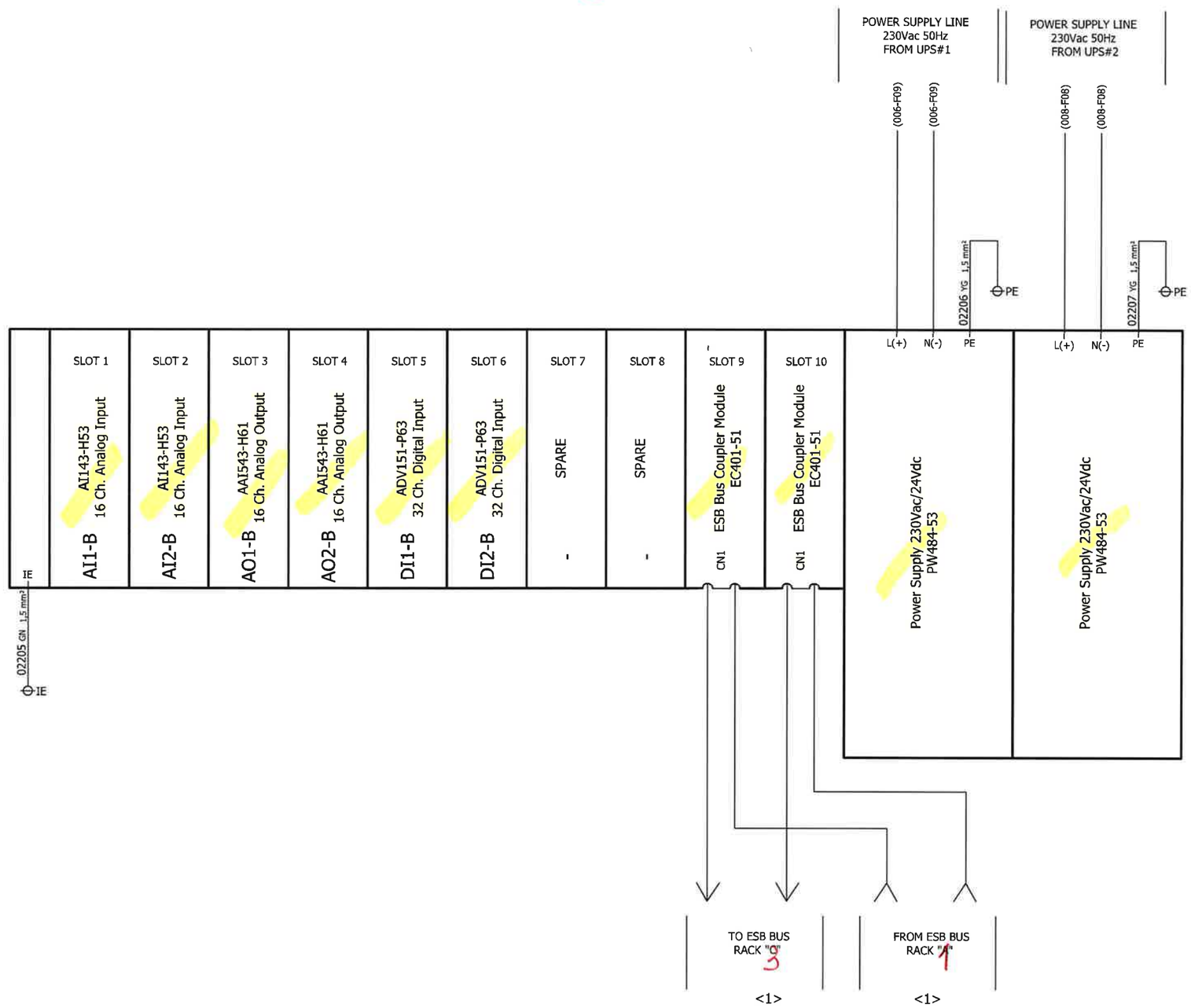
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SHEET 021

REV. 0

PCS PANEL - RACK "B" POWER DISTRIBUTION



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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - RACK "B" POWER DISTRIBUTION

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

SCALE : 1

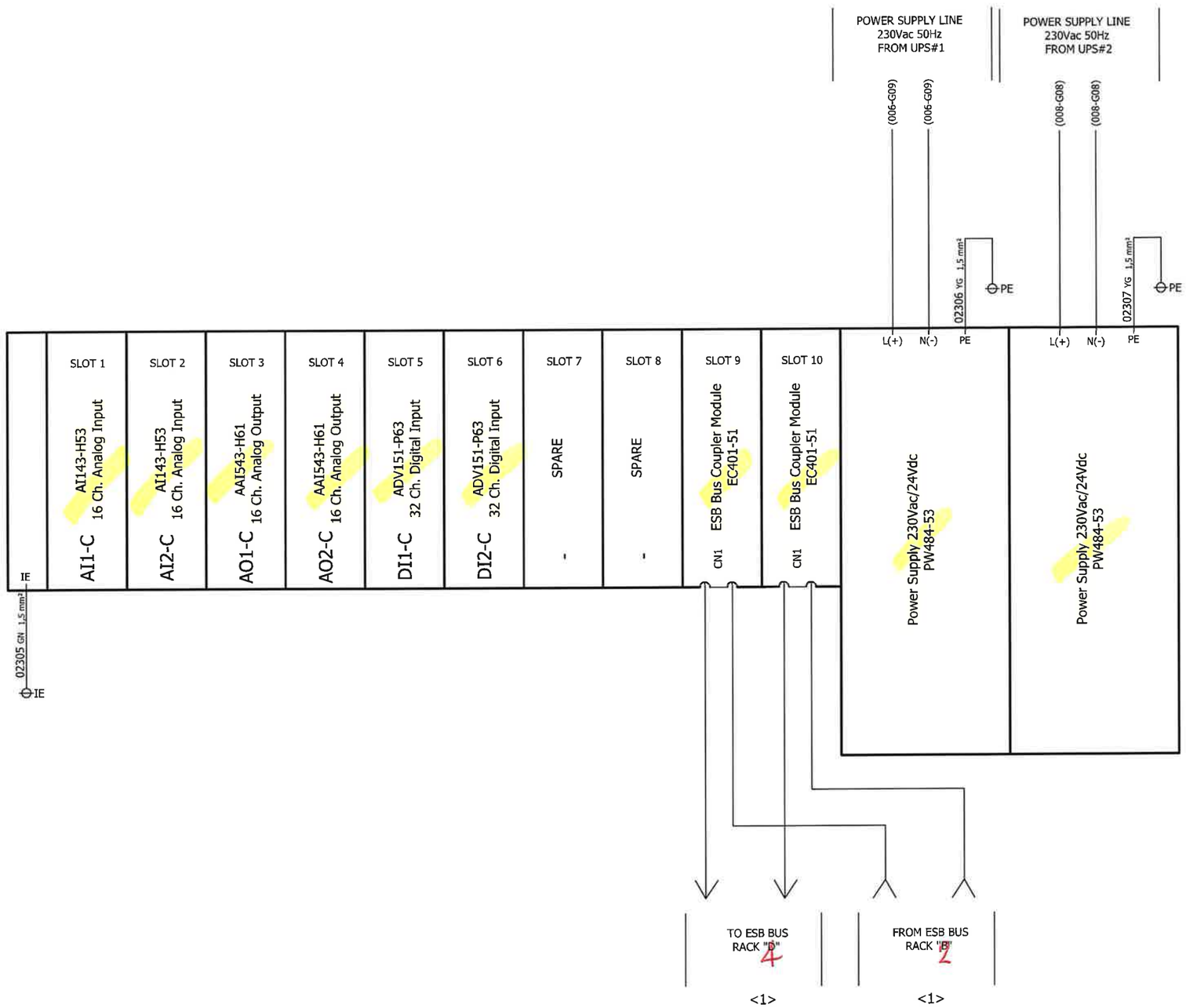
A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 022

REV. 0

PCS PANEL - RACK "C" POWER DISTRIBUTION



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YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - RACK "3" POWER DISTRIBUTION

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

SCALE : 1

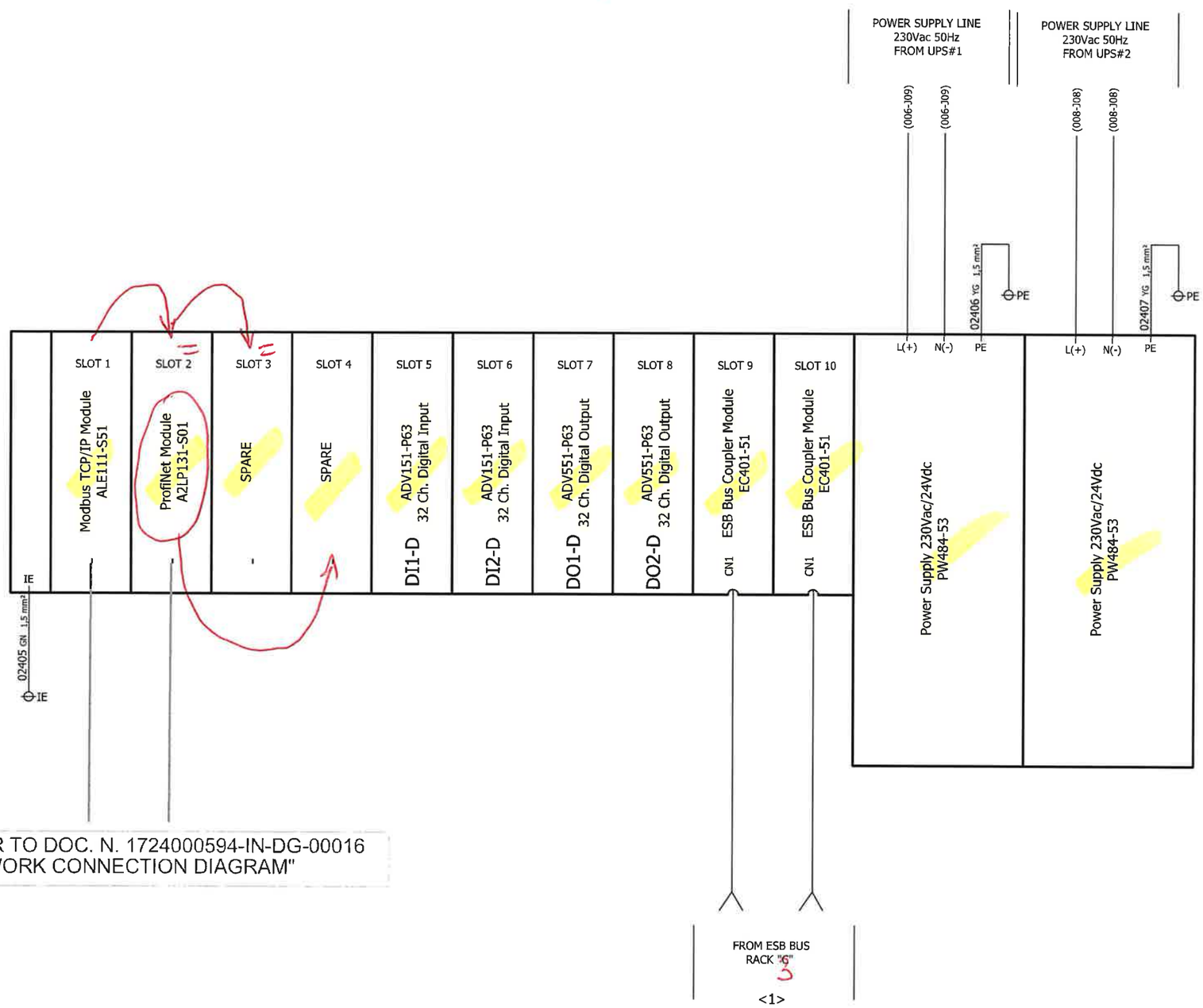
A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 023

REV. 0

PCS PANEL - RACK "D" POWER DISTRIBUTION



1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - RACK "D" POWER DISTRIBUTION

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

SCALE : 1

A3

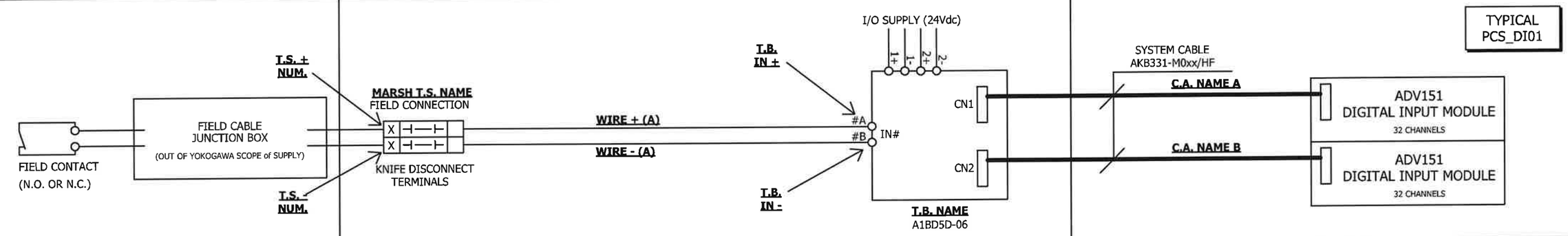
DRAWING NO. 1724000594-IN-DG-00020

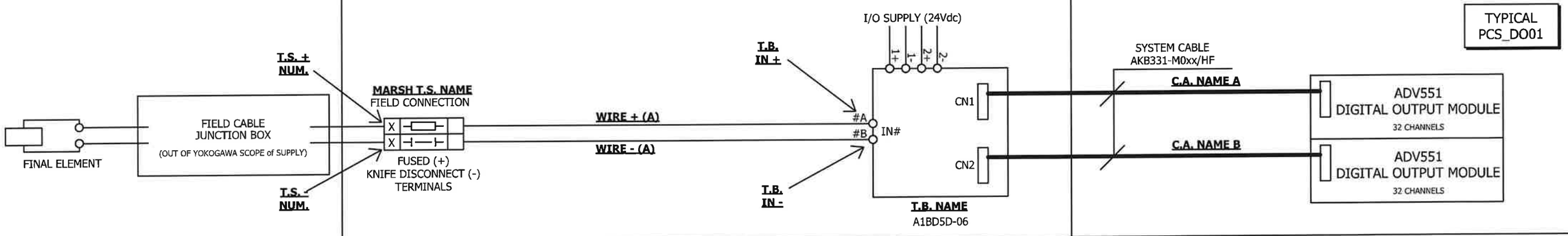
SHEET 024

REV. 0

PCS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT

FIELD | B400-PCS-002 | B400-PCS-001





REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

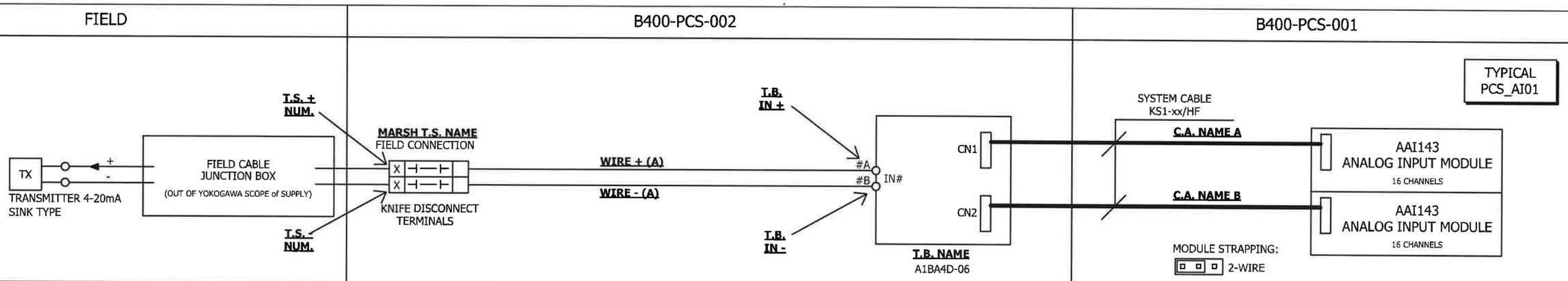
CROSSWIND | ROSETTI MARINO

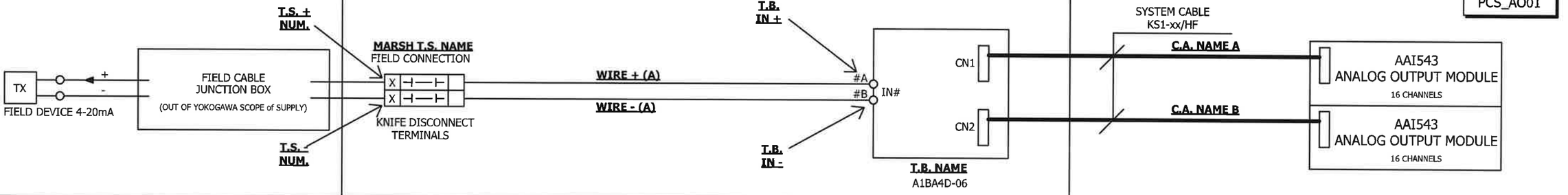
TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - TYPICAL WIRING DIGITAL INPUT/OUTPUT

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

A3 | DRAWING NO. 1724000594-IN-DG-00020 | SHEET 025 | REV. 0

PCS PANEL - TYPICAL WIRING ANALOG INPUT/OUTPUT





REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND | ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL - TYPICAL WIRING ANALOG INPUT/OUTPUT

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 026

REV. 0

SHEET LEFT INTENTIONALLY BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
SPARE PAGE

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 027

REV. 0

PCS PANEL -TB-00-JE-11001

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-PT-035	AI	TB-00-JE-11001	01	02	02801	02802	1mm²	BK	WH	TB-01-01	01A	01B	01	01	01	CA_01_01	CA_01_02	PCS_AI01
25-PT-037	AI	TB-00-JE-11001	03	04	02803	02804	1mm²	BK	WH	TB-01-01	02A	02B	01	01	02	CA_01_01	CA_01_02	PCS_AI01
25-PT-040	AI	TB-00-JE-11001	05	06	02805	02806	1mm²	BK	WH	TB-01-01	03A	03B	01	01	03	CA_01_01	CA_01_02	PCS_AI01
25-PT-043	AI	TB-00-JE-11001	07	08	02807	02808	1mm²	BK	WH	TB-01-01	04A	04B	01	01	04	CA_01_01	CA_01_02	PCS_AI01
25-PT-046	AI	TB-00-JE-11001	09	10	02809	02810	1mm²	BK	WH	TB-01-01	05A	05B	01	01	05	CA_01_01	CA_01_02	PCS_AI01
25-PT-049	AI	TB-00-JE-11001	11	12	02811	02812	1mm²	BK	WH	TB-01-01	06A	06B	01	01	06	CA_01_01	CA_01_02	PCS_AI01
WS0101010114	AI	TB-00-JE-11001	21	22	02821	02822	1mm²	BK	WH	TB-01-01	14A	14B	01	01	14	CA_01_01	CA_01_02	PCS_AI01
WS0101010115	AI	TB-00-JE-11001	23	24	02823	02824	1mm²	BK	WH	TB-01-01	15A	15B	01	01	15	CA_01_01	CA_01_02	PCS_AI01
25-PY-035	AO	TB-00-JE-11001	13	14	02813	02814	1mm²	BK	WH	TB-02-03	03A	03B	02	03	03	CA_02_03	CA_02_04	PCS_AO01
25-PY-037	AO	TB-00-JE-11001	15	16	02815	02816	1mm²	BK	WH	TB-02-03	04A	04B	02	03	04	CA_02_03	CA_02_04	PCS_AO01
25-PY-040	AO	TB-00-JE-11001	17	18	02817	02818	1mm²	BK	WH	TB-02-03	05A	05B	02	03	05	CA_02_03	CA_02_04	PCS_AO01
25-PY-043	AO	TB-00-JE-11001	19	20	02819	02820	1mm²	BK	WH	TB-02-03	06A	06B	02	03	06	CA_02_03	CA_02_04	PCS_AO01
25-ZT-035	AI	TB-00-JE-11001	29	30	02829	02830	1mm²	BK	WH	TB-01-01	08A	08B	01	01	08	CA_01_01	CA_01_02	PCS_AI01
25-ZT-037	AI	TB-00-JE-11001	31	32	02831	02832	1mm²	BK	WH	TB-01-01	09A	09B	01	01	09	CA_01_01	CA_01_02	PCS_AI01
25-ZT-040	AI	TB-00-JE-11001	33	34	02833	02834	1mm²	BK	WH	TB-01-01	10A	10B	01	01	10	CA_01_01	CA_01_02	PCS_AI01
25-ZT-043	AI	TB-00-JE-11001	35	36	02835	02836	1mm²	BK	WH	TB-01-01	11A	11B	01	01	11	CA_01_01	CA_01_02	PCS_AI01
25-ZT-046	AI	TB-00-JE-11001	37	38	02837	02838	1mm²	BK	WH	TB-01-01	12A	12B	01	01	12	CA_01_01	CA_01_02	PCS_AI01
25-ZT-049	AI	TB-00-JE-11001	39	40	02839	02840	1mm²	BK	WH	TB-01-01	13A	13B	01	01	13	CA_01_01	CA_01_02	PCS_AI01
SPARE	AI	TB-00-JE-11001	41	42	02841	02842	1mm²	BK	WH	TB-01-01	16A	16B	01	01	16	CA_01_01	CA_01_02	PCS_AI01
WS0101010314	AI	TB-00-JE-11001	43	44	02843	02844	1mm²	BK	WH	TB-01-03	14A	14B	01	03	14	CA_01_03	CA_01_04	PCS_AI01
WS0110010315	AI	TB-00-JE-11001	45	46	02845	02846	1mm²	BK	WH	TB-01-03	15A	15B	01	03	15	CA_01_03	CA_01_04	PCS_AI01
SPARE	AI	TB-00-JE-11001	47	48	02847	02848	1mm²	BK	WH	TB-01-03	16A	16B	01	03	16	CA_01_03	CA_01_04	PCS_AI01
25-PY-046	AO	TB-00-JE-11001	25	26	02825	02826	1mm²	BK	WH	TB-02-03	07A	07B	02	03	07	CA_02_03	CA_02_04	PCS_AO01
25-PY-049	AO	TB-00-JE-11001	27	28	02827	02828	1mm²	BK	WH	TB-02-03	08A	08B	02	03	08	CA_02_03	CA_02_04	PCS_AO01

WIRED SPARE!
(ASSIGN TAG)

GENERAL COMMENT VALID FOR ALL SHEETS FROM 028 TO 043:
DATA MUST BE ORDERED BY ASCENDING NUMBER OF TERMINALS.
IN THIS CASE: FROM 01-02 TO 47-48

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11001

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 028

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
43-FT-001	AI	TB-00-JE-11002	17	18	02917	02918	1mm²	BK	WH	TB-01-01	07A	07B	01	01	07	CA_01_01	CA_01_02	PCS_AI01
25-PT-055A	AI	TB-00-JE-11002	01	02	02901	02902	1mm²	BK	WH	TB-02-01	01A	01B	02	01	01	CA_02_01	CA_02_02	PCS_AI01
25-ZT-055A	AI	TB-00-JE-11002	09	10	02909	02910	1mm²	BK	WH	TB-02-01	02A	02B	02	01	02	CA_02_01	CA_02_02	PCS_AI01
43-PT-001	AI	TB-00-JE-11002	13	14	02913	02914	1mm²	BK	WH	TB-02-01	03A	03B	02	01	03	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11002	15	16	02915	02916	1mm²	BK	WH	TB-02-01	04A	04B	02	01	04	CA_02_01	CA_02_02	PCS_AI01
43-LT-003	AI	TB-00-JE-11002	19	20	02919	02920	1mm²	BK	WH	TB-02-01	05A	05B	02	01	05	CA_02_01	CA_02_02	PCS_AI01
WS0101020108	AI	TB-00-JE-11002	21	22	02921	02922	1mm²	BK	WH	TB-02-01	08A	08B	02	01	08	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11002	23	24	02923	02924	1mm²	BK	WH	TB-02-01	09A	09B	02	01	09	CA_02_01	CA_02_02	PCS_AI01
25-PY-055A	AO	TB-00-JE-11002	05	06	02905	02906	1mm²	BK	WH	TB-02-03	01A	01B	02	03	01	CA_02_03	CA_02_04	PCS_AO01
25-PT-055B	AI	TB-00-JE-11002	03	04	02903	02904	1mm²	BK	WH	TB-03-01	01A	01B	03	01	01	CA_03_01	CA_03_02	PCS_AI01
25-ZT-055B	AI	TB-00-JE-11002	11	12	02911	02912	1mm²	BK	WH	TB-03-01	02A	02B	03	01	02	CA_03_01	CA_03_02	PCS_AI01
25-PY-055B	AO	TB-00-JE-11002	07	08	02907	02908	1mm²	BK	WH	TB-03-03	01A	01B	03	03	01	CA_03_03	CA_03_04	PCS_AO01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11002

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 029

REV. 0

PCS PANEL -TB-00-JE-11003

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-FT-031	AI	TB-00-JE-11003	01	02	03001	03002	1mm²	BK	WH	TB-01-03	01A	01B	01	03	01	CA_01_03	CA_01_04	PCS_AI01
25-FT-032	AI	TB-00-JE-11003	03	04	03003	03004	1mm²	BK	WH	TB-01-03	02A	02B	01	03	02	CA_01_03	CA_01_04	PCS_AI01
25-FT-033	AI	TB-00-JE-11003	05	06	03005	03006	1mm²	BK	WH	TB-01-03	03A	03B	01	03	03	CA_01_03	CA_01_04	PCS_AI01
25-FT-034	AI	TB-00-JE-11003	07	08	03007	03008	1mm²	BK	WH	TB-01-03	04A	04B	01	03	04	CA_01_03	CA_01_04	PCS_AI01
25-FT-038	AI	TB-00-JE-11003	09	10	03009	03010	1mm²	BK	WH	TB-01-03	05A	05B	01	03	05	CA_01_03	CA_01_04	PCS_AI01
25-FT-036	AI	TB-00-JE-11003	11	12	03011	03012	1mm²	BK	WH	TB-01-03	06A	06B	01	03	06	CA_01_03	CA_01_04	PCS_AI01
25-ZT-031	AI	TB-00-JE-11003	31	32	03031	03032	1mm²	BK	WH	TB-01-03	07A	07B	01	03	07	CA_01_03	CA_01_04	PCS_AI01
25-ZT-032	AI	TB-00-JE-11003	33	34	03033	03034	1mm²	BK	WH	TB-01-03	08A	08B	01	03	08	CA_01_03	CA_01_04	PCS_AI01
25-ZT-033	AI	TB-00-JE-11003	35	36	03035	03036	1mm²	BK	WH	TB-01-03	09A	09B	01	03	09	CA_01_03	CA_01_04	PCS_AI01
25-ZT-034	AI	TB-00-JE-11003	37	38	03037	03038	1mm²	BK	WH	TB-01-03	10A	10B	01	03	10	CA_01_03	CA_01_04	PCS_AI01
25-ZT-036	AI	TB-00-JE-11003	39	40	03039	03040	1mm²	BK	WH	TB-01-03	11A	11B	01	03	11	CA_01_03	CA_01_04	PCS_AI01
25-ZT-038	AI	TB-00-JE-11003	41	42	03041	03042	1mm²	BK	WH	TB-01-03	12A	12B	01	03	12	CA_01_03	CA_01_04	PCS_AI01
25-PT-001	AI	TB-00-JE-11003	43	44	03043	03044	1mm²	BK	WH	TB-01-03	13A	13B	01	03	13	CA_01_03	CA_01_04	PCS_AI01
25-FY-031	AO	TB-00-JE-11003	13	14	03013	03014	1mm²	BK	WH	TB-03-03	03A	03B	03	03	03	CA_03_03	CA_03_04	PCS_AO01
25-FY-032	AO	TB-00-JE-11003	15	16	03015	03016	1mm²	BK	WH	TB-03-03	04A	04B	03	03	04	CA_03_03	CA_03_04	PCS_AO01
25-FY-033	AO	TB-00-JE-11003	17	18	03017	03018	1mm²	BK	WH	TB-03-03	05A	05B	03	03	05	CA_03_03	CA_03_04	PCS_AO01
25-FY-038	AO	TB-00-JE-11003	25	26	03025	03026	1mm²	BK	WH	TB-03-03	06A	06B	03	03	06	CA_03_03	CA_03_04	PCS_AO01
25-FY-036	AO	TB-00-JE-11003	27	28	03027	03028	1mm²	BK	WH	TB-03-03	07A	07B	03	03	07	CA_03_03	CA_03_04	PCS_AO01
25-FY-034	AO	TB-00-JE-11003	29	30	03029	03030	1mm²	BK	WH	TB-03-03	08A	08B	03	03	08	CA_03_03	CA_03_04	PCS_AO01
WS0110030309	AO	TB-00-JE-11003	19	20	03019	03020	1mm²	BK	WH	TB-03-03	09A	09B	03	03	09	CA_03_03	CA_03_04	PCS_AO01
WS0110030310	AO	TB-00-JE-11003	21	22	03021	03022	1mm²	BK	WH	TB-03-03	10A	10B	03	03	10	CA_03_03	CA_03_04	PCS_AO01
SPARE	AO	TB-00-JE-11003	23	24	03023	03024	1mm²	BK	WH	TB-03-03	11A	11B	03	03	11	CA_03_03	CA_03_04	PCS_AO01
SPARE	AO	TB-00-JE-11003	45	46	~~03045~~	~~03046~~	~~1mm²~~	~~BK~~	~~WH~~	~~TB-03-03~~	~~12A~~	~~12B~~	~~03~~	~~03~~	~~12~~	~~CA_03_03~~	~~CA_03_04~~	~~PCS_AO01~~
SPARE	AO	TB-00-JE-11003	47	48	~~03047~~	~~03048~~	~~1mm²~~	~~BK~~	~~WH~~	~~TB-03-03~~	~~13A~~	~~13B~~	~~03~~	~~03~~	~~13~~	~~CA_03_03~~	~~CA_03_04~~	~~PCS_AO01~~

GENERAL COMMENT FOR SPARE TERMINALS NOT CONNECTED TO TB

LEAVE BLANK

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
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0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11003

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 030

REV. 0

PCS PANEL -TB-00-JE-11004

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
64-PT-031A	AI	TB-00-JE-11004	09	10	03109	03110	1mm²	BK	WH	TB-02-01	06A	06B	02	01	06	CA_02_01	CA_02_02	PCS_AI01
64-PY-031A	AO	TB-00-JE-11004	13	14	03113	03114	1mm²	BK	WH	TB-02-03	02A	02B	02	03	02	CA_02_03	CA_02_04	PCS_AO01
50-PT-001	AI	TB-00-JE-11004	01	02	03101	03102	1mm²	BK	WH	TB-03-01	03A	03B	03	01	03	CA_03_01	CA_03_02	PCS_AI01
50-PT-002	AI	TB-00-JE-11004	03	04	03103	03104	1mm²	BK	WH	TB-03-01	04A	04B	03	01	04	CA_03_01	CA_03_02	PCS_AI01
64-PT-031B	AI	TB-00-JE-11004	11	12	03111	03112	1mm²	BK	WH	TB-03-01	05A	05B	03	01	05	CA_03_01	CA_03_02	PCS_AI01
50-TT-001	AI	TB-00-JE-11004	05	06	03105	03106	1mm²	BK	WH	TB-03-01	07A	07B	03	01	07	CA_03_01	CA_03_02	PCS_AI01
50-TT-002	AI	TB-00-JE-11004	07	08	03107	03108	1mm²	BK	WH	TB-03-01	08A	08B	03	01	08	CA_03_01	CA_03_02	PCS_AI01
50-PT-014	AI	TB-00-JE-11004	17	18	03117	03118	1mm²	BK	WH	TB-03-01	09A	09B	03	01	09	CA_03_01	CA_03_02	PCS_AI01
WS0110030112	AI	TB-00-JE-11004	19	20	03119	03120	1mm²	BK	WH	TB-03-01	12A	12B	03	01	12	CA_03_01	CA_03_02	PCS_AI01
WS0101030113	AI	TB-00-JE-11004	21	22	03121	03122	1mm²	BK	WH	TB-03-01	13A	13B	03	01	13	CA_03_01	CA_03_02	PCS_AI01
SPARE	AI	TB-00-JE-11004	23	24	03123	03124	1mm²	BK	WH	TB-03-01	14A	14B	03	01	14	CA_03_01	CA_03_02	PCS_AI01
64-PY-031B	AO	TB-00-JE-11004	15	16	03115	03116	1mm²	BK	WH	TB-03-03	02A	02B	03	03	02	CA_03_03	CA_03_04	PCS_AO01

WIRED SPARE!

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11004

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 031

REV. 0

PCS PANEL -TB-00-JE-11005

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
64-ZT-031A	AI	TB-00-JE-11005	03	04	03203	03204	1mm²	BK	WH	TB-02-01	07A	07B	02	01	07	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11005	07	08	03207	03208	1mm²	BK	WH	TB-02-01	10A	10B	02	01	10	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11005	09	10	03209	03210	1mm²	BK	WH	TB-02-01	11A	11B	02	01	11	CA_02_01	CA_02_02	PCS_AI01
SPARE	AI	TB-00-JE-11005	11	12	03211	03212	1mm²	BK	WH	TB-02-01	12A	12B	02	01	12	CA_02_01	CA_02_02	PCS_AI01
64-ZT-031B	AI	TB-00-JE-11005	05	06	03205	03206	1mm²	BK	WH	TB-03-01	06A	06B	03	01	06	CA_03_01	CA_03_02	PCS_AI01
55-LIT-001	AI	TB-00-JE-11005	01	02	03201	03202	1mm²	BK	WH	TB-03-01	10A	10B	03	01	10	CA_03_01	CA_03_02	PCS_AI01

WIRED SPARE!

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-11005

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 032

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-006	DI	TB-00-JE-12001	01	02	03301	03302	1mm²	BK	WH	TB-01-05	01A	01B	01	05	01	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-006	DI	TB-00-JE-12001	03	04	03303	03304	1mm²	BK	WH	TB-01-05	02A	02B	01	05	02	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-009	DI	TB-00-JE-12001	05	06	03305	03306	1mm²	BK	WH	TB-01-05	03A	03B	01	05	03	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-009	DI	TB-00-JE-12001	07	08	03307	03308	1mm²	BK	WH	TB-01-05	04A	04B	01	05	04	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-012	DI	TB-00-JE-12001	09	10	03309	03310	1mm²	BK	WH	TB-01-05	05A	05B	01	05	05	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-012	DI	TB-00-JE-12001	11	12	03311	03312	1mm²	BK	WH	TB-01-05	06A	06B	01	05	06	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-015	DI	TB-00-JE-12001	13	14	03313	03314	1mm²	BK	WH	TB-01-05	07A	07B	01	05	07	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-015	DI	TB-00-JE-12001	15	16	03315	03316	1mm²	BK	WH	TB-01-05	08A	08B	01	05	08	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-018	DI	TB-00-JE-12001	17	18	03317	03318	1mm²	BK	WH	TB-01-05	09A	09B	01	05	09	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-018	DI	TB-00-JE-12001	19	20	03319	03320	1mm²	BK	WH	TB-01-05	10A	10B	01	05	10	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-021	DI	TB-00-JE-12001	25	26	03325	03326	1mm²	BK	WH	TB-01-05	11A	11B	01	05	11	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-021	DI	TB-00-JE-12001	27	28	03327	03328	1mm²	BK	WH	TB-01-05	12A	12B	01	05	12	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-046	DI	TB-00-JE-12001	29	30	03329	03330	1mm²	BK	WH	TB-01-05	13A	13B	01	05	13	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-046	DI	TB-00-JE-12001	31	32	03331	03332	1mm²	BK	WH	TB-01-05	14A	14B	01	05	14	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-049	DI	TB-00-JE-12001	33	34	03333	03334	1mm²	BK	WH	TB-01-05	15A	15B	01	05	15	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-049	DI	TB-00-JE-12001	35	36	03335	03336	1mm²	BK	WH	TB-01-05	16A	16B	01	05	16	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-040	DI	TB-00-JE-12001	37	38	03337	03338	1mm²	BK	WH	TB-01-05	17A	17B	01	05	17	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-040	DI	TB-00-JE-12001	39	40	03339	03340	1mm²	BK	WH	TB-01-05	18A	18B	01	05	18	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-043	DI	TB-00-JE-12001	41	42	03341	03342	1mm²	BK	WH	TB-01-05	19A	19B	01	05	19	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-043	DI	TB-00-JE-12001	43	44	03343	03344	1mm²	BK	WH	TB-01-05	20A	20B	01	05	20	CA_01_05	CA_01_06	PCS_DI01
WS0101010525	DI	TB-00-JE-12001	21	22	03321	03322	1mm²	BK	WH	TB-01-05	25A	25B	01	05	25	CA_01_05	CA_01_06	PCS_DI01
WS0101010526	DI	TB-00-JE-12001	23	24	03323	03324	1mm²	BK	WH	TB-01-05	26A	26B	01	05	26	CA_01_05	CA_01_06	PCS_DI01
WS0101010527	DI	TB-00-JE-12001	45	46	03345	03346	1mm²	BK	WH	TB-01-05	27A	27B	01	05	27	CA_01_05	CA_01_06	PCS_DI01
WS0101010528	DI	TB-00-JE-12001	47	48	03347	03348	1mm²	BK	WH	TB-01-05	28A	28B	01	05	28	CA_01_05	CA_01_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12001

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 033

REV. 0

PCS PANEL -TB-00-JE-12002

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-035	DI	TB-00-JE-12002	01	02	03401	03402	1mm²	BK	WH	TB-01-05	21A	21B	01	05	21	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-035	DI	TB-00-JE-12002	03	04	03403	03404	1mm²	BK	WH	TB-01-05	22A	22B	01	05	22	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-037	DI	TB-00-JE-12002	05	06	03405	03406	1mm²	BK	WH	TB-01-05	23A	23B	01	05	23	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-037	DI	TB-00-JE-12002	07	08	03407	03408	1mm²	BK	WH	TB-01-05	24A	24B	01	05	24	CA_01_05	CA_01_06	PCS_DI01
SPARE	DI	TB-00-JE-12002	09	10	03409	03410	1mm²	BK	WH	TB-01-05	29A	29B	01	05	29	CA_01_05	CA_01_06	PCS_DI01
SPARE	DI	TB-00-JE-12002	11	12	03411	03412	1mm²	BK	WH	TB-01-05	30A	30B	01	05	30	CA_01_05	CA_01_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12002

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 034

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-035	DI	TB-00-JE-12002	01	02	03401	03402	1mm²	BK	WH	TB-01-05	21A	21B	01	05	21	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-035	DI	TB-00-JE-12002	03	04	03403	03404	1mm²	BK	WH	TB-01-05	22A	22B	01	05	22	CA_01_05	CA_01_06	PCS_DI01
25-ZSL-037	DI	TB-00-JE-12002	05	06	03405	03406	1mm²	BK	WH	TB-01-05	23A	23B	01	05	23	CA_01_05	CA_01_06	PCS_DI01
25-ZSH-037	DI	TB-00-JE-12002	07	08	03407	03408	1mm²	BK	WH	TB-01-05	24A	24B	01	05	24	CA_01_05	CA_01_06	PCS_DI01
SPARE	DI	TB-00-JE-12002	09	10	03409	03410	1mm²	BK	WH	TB-01-05	29A	29B	01	05	29	CA_01_05	CA_01_06	PCS_DI01
SPARE	DI	TB-00-JE-12002	11	12	03411	03412	1mm²	BK	WH	TB-01-05	30A	30B	01	05	30	CA_01_05	CA_01_06	PCS_DI01

TO BE REPLACED WITH TB-00-JE-12003
(INCLUDING SPARE TERMINALS UP TO 24)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12003

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 035

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-004	DI	TB-00-JE-12004	01	02	03601	03602	1mm²	BK	WH	TB-02-05	07A	07B	02	05	07	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-004	DI	TB-00-JE-12004	03	04	03603	03604	1mm²	BK	WH	TB-02-05	08A	08B	02	05	08	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-008	DI	TB-00-JE-12004	05	06	03605	03606	1mm²	BK	WH	TB-02-05	09A	09B	02	05	09	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-008	DI	TB-00-JE-12004	07	08	03607	03608	1mm²	BK	WH	TB-02-05	10A	10B	02	05	10	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-011	DI	TB-00-JE-12004	09	10	03609	03610	1mm²	BK	WH	TB-02-05	11A	11B	02	05	11	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-011	DI	TB-00-JE-12004	11	12	03611	03612	1mm²	BK	WH	TB-02-05	12A	12B	02	05	12	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-014	DI	TB-00-JE-12004	13	14	03613	03614	1mm²	BK	WH	TB-02-05	13A	13B	02	05	13	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-014	DI	TB-00-JE-12004	15	16	03615	03616	1mm²	BK	WH	TB-02-05	14A	14B	02	05	14	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-017	DI	TB-00-JE-12004	17	18	03617	03618	1mm²	BK	WH	TB-02-05	15A	15B	02	05	15	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-017	DI	TB-00-JE-12004	19	20	03619	03620	1mm²	BK	WH	TB-02-05	16A	16B	02	05	16	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-020	DI	TB-00-JE-12004	25	26	03625	03626	1mm²	BK	WH	TB-02-05	17A	17B	02	05	17	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-020	DI	TB-00-JE-12004	27	28	03627	03628	1mm²	BK	WH	TB-02-05	18A	18B	02	05	18	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-031	DI	TB-00-JE-12004	29	30	03629	03630	1mm²	BK	WH	TB-02-05	19A	19B	02	05	19	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-031	DI	TB-00-JE-12004	31	32	03631	03632	1mm²	BK	WH	TB-02-05	20A	20B	02	05	20	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-032	DI	TB-00-JE-12004	33	34	03633	03634	1mm²	BK	WH	TB-02-05	21A	21B	02	05	21	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-032	DI	TB-00-JE-12004	35	36	03635	03636	1mm²	BK	WH	TB-02-05	22A	22B	02	05	22	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-033	DI	TB-00-JE-12004	37	38	03637	03638	1mm²	BK	WH	TB-02-05	23A	23B	02	05	23	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-033	DI	TB-00-JE-12004	39	40	03639	03640	1mm²	BK	WH	TB-02-05	24A	24B	02	05	24	CA_02_05	CA_02_06	PCS_DI01
25-ZSL-034	DI	TB-00-JE-12004	41	42	03641	03642	1mm²	BK	WH	TB-02-05	25A	25B	02	05	25	CA_02_05	CA_02_06	PCS_DI01
25-ZSH-034	DI	TB-00-JE-12004	43	44	03643	03644	1mm²	BK	WH	TB-02-05	26A	26B	02	05	26	CA_02_05	CA_02_06	PCS_DI01
WS0101020527	DI	TB-00-JE-12004	21	22	03621	03622	1mm²	BK	WH	TB-02-05	27A	27B	02	05	27	CA_02_05	CA_02_06	PCS_DI01
WS0101020528	DI	TB-00-JE-12004	23	24	03623	03624	1mm²	BK	WH	TB-02-05	28A	28B	02	05	28	CA_02_05	CA_02_06	PCS_DI01
WS0110020529	DI	TB-00-JE-12004	45	46	03645	03646	1mm²	BK	WH	TB-02-05	29A	29B	02	05	29	CA_02_05	CA_02_06	PCS_DI01
WS0110020530	DI	TB-00-JE-12004	47	48	03647	03648	1mm²	BK	WH	TB-02-05	30A	30B	02	05	30	CA_02_05	CA_02_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12004

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 036

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-ZSL-036	DI	TB-00-JE-12005	01	02	03701	03702	1mm²	BK	WH	TB-03-05	05A	05B	03	05	05	CA_03_05	CA_03_06	PCS_DI01
25-ZSH-036	DI	TB-00-JE-12005	03	04	03703	03704	1mm²	BK	WH	TB-03-05	06A	06B	03	05	06	CA_03_05	CA_03_06	PCS_DI01
25-ZSL-038	DI	TB-00-JE-12005	05	06	03705	03706	1mm²	BK	WH	TB-03-05	07A	07B	03	05	07	CA_03_05	CA_03_06	PCS_DI01
25-ZSH-038	DI	TB-00-JE-12005	07	08	03707	03708	1mm²	BK	WH	TB-03-05	08A	08B	03	05	08	CA_03_05	CA_03_06	PCS_DI01
25-ZSL-024	DI	TB-00-JE-12005	09	10	03709	03710	1mm²	BK	WH	TB-03-05	09A	09B	03	05	09	CA_03_05	CA_03_06	PCS_DI01
25-ZSH-024	DI	TB-00-JE-12005	11	12	03711	03712	1mm²	BK	WH	TB-03-05	10A	10B	03	05	10	CA_03_05	CA_03_06	PCS_DI01
WS0101030519	DI	TB-00-JE-12005	13	14	03713	03714	1mm²	BK	WH	TB-03-05	19A	19B	03	05	19	CA_03_05	CA_03_06	PCS_DI01
WS0101030520	DI	TB-00-JE-12005	15	16	03715	03716	1mm²	BK	WH	TB-03-05	20A	20B	03	05	20	CA_03_05	CA_03_06	PCS_DI01
WS0101030521	DI	TB-00-JE-12005	17	18	03717	03718	1mm²	BK	WH	TB-03-05	21A	21B	03	05	21	CA_03_05	CA_03_06	PCS_DI01
WS0101030522	DI	TB-00-JE-12005	19	20	03719	03720	1mm²	BK	WH	TB-03-05	22A	22B	03	05	22	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12005	21	22	03721	03722	1mm²	BK	WH	TB-03-05	23A	23B	03	05	23	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12005	23	24	03723	03724	1mm²	BK	WH	TB-03-05	24A	24B	03	05	24	CA_03_05	CA_03_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12005

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 037

REV. 0

NEW SIGNALS TO BE WIRED (P009)

50-ZSL-005

50-ZSH-005

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
64-ZSL-031A	DI	TB-00-JE-12006	25	26	03825	03826	1mm²	BK	WH	TB-02-05	03A	03B	02	05	03	CA_02_05	CA_02_06	PCS_DI01
64-ZSH-031A	DI	TB-00-JE-12006	27	28	03827	03828	1mm²	BK	WH	TB-02-05	04A	04B	02	05	04	CA_02_05	CA_02_06	PCS_DI01
64-ZSL-031B	DI	TB-00-JE-12006	29	30	03829	03830	1mm²	BK	WH	TB-03-05	03A	03B	03	05	03	CA_03_05	CA_03_06	PCS_DI01
64-ZSH-031B	DI	TB-00-JE-12006	31	32	03831	03832	1mm²	BK	WH	TB-03-05	04A	04B	03	05	04	CA_03_05	CA_03_06	PCS_DI01
50-ZSL-001	DI	TB-00-JE-12006	01	02	03801	03802	1mm²	BK	WH	TB-03-05	11A	11B	03	05	11	CA_03_05	CA_03_06	PCS_DI01
50-ZSH-001	DI	TB-00-JE-12006	03	04	03803	03804	1mm²	BK	WH	TB-03-05	12A	12B	03	05	12	CA_03_05	CA_03_06	PCS_DI01
50-ZSL-002	DI	TB-00-JE-12006	05	06	03805	03806	1mm²	BK	WH	TB-03-05	13A	13B	03	05	13	CA_03_05	CA_03_06	PCS_DI01
50-ZSH-002	DI	TB-00-JE-12006	07	08	03807	03808	1mm²	BK	WH	TB-03-05	14A	14B	03	05	14	CA_03_05	CA_03_06	PCS_DI01
50-ZSL-003	DI	TB-00-JE-12006	09	10	03809	03810	1mm²	BK	WH	TB-03-05	15A	15B	03	05	15	CA_03_05	CA_03_06	PCS_DI01
50-ZSH-003	DI	TB-00-JE-12006	11	12	03811	03812	1mm²	BK	WH	TB-03-05	16A	16B	03	05	16	CA_03_05	CA_03_06	PCS_DI01
50-ZSL-004	DI	TB-00-JE-12006	13	14	03813	03814	1mm²	BK	WH	TB-03-05	17A	17B	03	05	17	CA_03_05	CA_03_06	PCS_DI01
50-ZSH-004	DI	TB-00-JE-12006	15	16	03815	03816	1mm²	BK	WH	TB-03-05	18A	18B	03	05	18	CA_03_05	CA_03_06	PCS_DI01
~~SPARE~~	DI	TB-00-JE-12006	17	18	03817	03818	1mm²	BK	WH	TB-03-05	25A	25B	03	05	25	CA_03_05	CA_03_06	PCS_DI01
~~SPARE~~	DI	TB-00-JE-12006	19	20	03819	03820	1mm²	BK	WH	TB-03-05	26A	26B	03	05	26	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	21	22	03821	03822	1mm²	BK	WH	TB-03-05	27A	27B	03	05	27	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	23	24	03823	03824	1mm²	BK	WH	TB-03-05	28A	28B	03	05	28	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	33	34	03833	03834	1mm²	BK	WH	TB-03-05	29A	29B	03	05	29	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	35	36	03835	03836	1mm²	BK	WH	TB-03-05	30A	30B	03	05	30	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	37	38	03837	03838	1mm²	BK	WH	TB-03-05	31A	31B	03	05	31	CA_03_05	CA_03_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	39	40	03839	03840	1mm²	BK	WH	TB-03-05	32A	32B	03	05	32	CA_03_05	CA_03_06	PCS_DI01
WS0101040513	DI	TB-00-JE-12006	41	42	03841	03842	1mm²	BK	WH	TB-04-05	13A	13B	04	05	13	CA_04_05	CA_04_06	PCS_DI01
WS0110040514	DI	TB-00-JE-12006	43	44	03843	03844	1mm²	BK	WH	TB-04-05	14A	14B	04	05	14	CA_04_05	CA_04_06	PCS_DI01
WS0110040515	DI	TB-00-JE-12006	45	46	03845	03846	1mm²	BK	WH	TB-04-05	15A	15B	04	05	15	CA_04_05	CA_04_06	PCS_DI01
SPARE	DI	TB-00-JE-12006	47	48	03847	03848	1mm²	BK	WH	TB-04-05	20A	20B	04	05	20	CA_04_05	CA_04_06	PCS_DI01

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-12006

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 038

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-XY-006	DO	TB-00-JE-13001	01	02	03901	03902	1mm²	BK	WH	TB-04-07	01A	01B	04	07	01	CA_04_07	CA_04_08	PCS_DO01
25-XY-009	DO	TB-00-JE-13001	03	04	03903	03904	1mm²	BK	WH	TB-04-07	02A	02B	04	07	02	CA_04_07	CA_04_08	PCS_DO01
25-XY-012	DO	TB-00-JE-13001	05	06	03905	03906	1mm²	BK	WH	TB-04-07	03A	03B	04	07	03	CA_04_07	CA_04_08	PCS_DO01
25-XY-015	DO	TB-00-JE-13001	07	08	03907	03908	1mm²	BK	WH	TB-04-07	04A	04B	04	07	04	CA_04_07	CA_04_08	PCS_DO01
25-XY-018	DO	TB-00-JE-13001	09	10	03909	03910	1mm²	BK	WH	TB-04-07	05A	05B	04	07	05	CA_04_07	CA_04_08	PCS_DO01
25-XY-021	DO	TB-00-JE-13001	11	12	03911	03912	1mm²	BK	WH	TB-04-07	06A	06B	04	07	06	CA_04_07	CA_04_08	PCS_DO01
80-XY-001	DO	TB-00-JE-13001	13	14	03913	03914	1mm²	BK	WH	TB-04-07	18A	18B	04	07	18	CA_04_07	CA_04_08	PCS_DO01
WS0101040719	DO	TB-00-JE-13001	17	18	03917	03918	1mm²	BK	WH	TB-04-07	19A	19B	04	07	19	CA_04_07	CA_04_08	PCS_DO01
WS0101040720	DO	TB-00-JE-13001	19	20	03919	03920	1mm²	BK	WH	TB-04-07	20A	20B	04	07	20	CA_04_07	CA_04_08	PCS_DO01
WS0101040721	DO	TB-00-JE-13001	21	22	03921	03922	1mm²	BK	WH	TB-04-07	21A	21B	04	07	21	CA_04_07	CA_04_08	PCS_DO01
WS0101040722	DO	TB-00-JE-13001	23	24	03923	03924	1mm²	BK	WH	TB-04-07	22A	22B	04	07	22	CA_04_07	CA_04_08	PCS_DO01

ADD TERMINALS 15-16 FOR 24VDC POWER SUPPLY TO 43-FT-001 (FROM SHEET 020)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA ◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-13001

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 039

REV. 0

PCS PANEL -TB-00-JE-13002

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
25-XY-004	DO	TB-00-JE-13002	01	02	04001	04002	1mm²	BK	WH	TB-04-07	07A	07B	04	07	07	CA_04_07	CA_04_08	PCS_DO01
25-XY-008	DO	TB-00-JE-13002	03	04	04003	04004	1mm²	BK	WH	TB-04-07	08A	08B	04	07	08	CA_04_07	CA_04_08	PCS_DO01
25-XY-011	DO	TB-00-JE-13002	05	06	04005	04006	1mm²	BK	WH	TB-04-07	09A	09B	04	07	09	CA_04_07	CA_04_08	PCS_DO01
25-XY-014	DO	TB-00-JE-13002	07	08	04007	04008	1mm²	BK	WH	TB-04-07	10A	10B	04	07	10	CA_04_07	CA_04_08	PCS_DO01
25-XY-017	DO	TB-00-JE-13002	09	10	04009	04010	1mm²	BK	WH	TB-04-07	11A	11B	04	07	11	CA_04_07	CA_04_08	PCS_DO01
25-XY-020	DO	TB-00-JE-13002	11	12	04011	04012	1mm²	BK	WH	TB-04-07	12A	12B	04	07	12	CA_04_07	CA_04_08	PCS_DO01
25-XY-024	DO	TB-00-JE-13002	13	14	04013	04014	1mm²	BK	WH	TB-04-07	13A	13B	04	07	13	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	13	14	04013	04014	1mm²	BK	WH	TB-04-07	13A	13B	04	07	13	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	15	16	04015	04016	1mm²	BK	WH	TB-04-07	24A	24B	04	07	24	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	17	18	04017	04018	1mm²	BK	WH	TB-04-07	25A	25B	04	07	25	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	19	20	04019	04020	1mm²	BK	WH	TB-04-07	26A	26B	04	07	26	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	21	22	04021	04022	1mm²	BK	WH	TB-04-07	27A	27B	04	07	27	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13002	23	24	04023	04024	1mm²	BK	WH	TB-04-07	28A	28B	04	07	28	CA_04_07	CA_04_08	PCS_DO01

REMOVE DUPLICATED TERMINALS!

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-13002

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 040

REV. 0

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
50-XY-001	DO	TB-00-JE-13003	01	02	04101	04102	1mm²	BK	WH	TB-04-07	14A	14B	04	07	14	CA_04_07	CA_04_08	PCS_DO01
50-XY-002	DO	TB-00-JE-13003	03	04	04103	04104	1mm²	BK	WH	TB-04-07	15A	15B	04	07	15	CA_04_07	CA_04_08	PCS_DO01
50-XY-003	DO	TB-00-JE-13003	05	06	04105	04106	1mm²	BK	WH	TB-04-07	16A	16B	04	07	16	CA_04_07	CA_04_08	PCS_DO01
50-XY-004	DO	TB-00-JE-13003	07	08	04107	04108	1mm²	BK	WH	TB-04-07	17A	17B	04	07	17	CA_04_07	CA_04_08	PCS_DO01
~~SPARE~~	DO	TB-00-JE-13003	09	10	04109	04110	1mm²	BK	WH	TB-04-07	29A	29B	04	07	29	CA_04_07	CA_04_08	PCS_DO01
SPARE	DO	TB-00-JE-13003	~~11~~	12	04111	04112	~~1mm²~~	BK	WH	~~TB-04-07~~	30A	30B	04	07	30	CA_04_07	CA_04_08	PCS_DO01
~~SPARE~~	~~DO~~	~~TB-00-JE-13003~~	~~13~~	~~14~~	~~04113~~	~~04114~~	~~1mm²~~	~~BK~~	~~WH~~	~~TB-04-07~~	~~31A~~	~~31B~~	~~04~~	~~07~~	~~31~~	~~CA_04_07~~	~~CA_04_08~~	~~PCS_DO01~~
~~SPARE~~	~~DO~~	~~TB-00-JE-13003~~	~~15~~	~~16~~	~~04115~~	~~04116~~	~~1mm²~~	~~BK~~	~~WH~~	~~TB-04-07~~	~~32A~~	~~32B~~	~~04~~	~~07~~	~~32~~	~~CA_04_07~~	~~CA_04_08~~	~~PCS_DO01~~

THESE TERMINALS ARE NOT FORESEEN ON THIS TERMINAL STRIP.

NEW SIGNAL TO BE WIRED : 50-XY-005 (P009)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-13003

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 041

REV. 0

PCS PANEL -TB-00-JE-BX00

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
B100-TDC-001	DI	TB-00-JE-BX00	01	02	04201	04202	1mm²	BK	WH	TB-04-05	01A	01B	04	05	01	CA_04_05	CA_04_06	PCS_DI01
B100-TDC-002	DI	TB-00-JE-BX00	03	04	04203	04204	1mm²	BK	WH	TB-04-05	02A	02B	04	05	02	CA_04_05	CA_04_06	PCS_DI01
B100-TIR-001	DI	TB-00-JE-BX00	05 e 07	06 e 08	04205 e 07	04206 e 08	1mm²	BK	WH	TB-04-05	03A	03B	04	05	03	CA_04_05	CA_04_06	PCS_DI01
B200-TDC-001	DI	TB-00-JE-BX00	09	10	04209	04210	1mm²	BK	WH	TB-04-05	04A	04B	04	05	04	CA_04_05	CA_04_06	PCS_DI01
B200-TDC-002	DI	TB-00-JE-BX00	11	12	04211	04212	1mm²	BK	WH	TB-04-05	05A	05B	04	05	05	CA_04_05	CA_04_06	PCS_DI01
B200-TIR-001	DI	TB-00-JE-BX00	13 e 15	14 e 16	04213 e 15	04214 e 16	1mm²	BK	WH	TB-04-05	06A	06B	04	05	06	CA_04_05	CA_04_06	PCS_DI01
B300-TDC-001	DI	TB-00-JE-BX00	17	18	04217	04218	1mm²	BK	WH	TB-04-05	07A	07B	04	05	07	CA_04_05	CA_04_06	PCS_DI01
B300-TDC-002	DI	TB-00-JE-BX00	19	20	04219	04220	1mm²	BK	WH	TB-04-05	08A	08B	04	05	08	CA_04_05	CA_04_06	PCS_DI01
B300-TIR-001	DI	TB-00-JE-BX00	21 e 23	22 e 24	04221 e 23	04222 e 24	1mm²	BK	WH	TB-04-05	09A	09B	04	05	09	CA_04_05	CA_04_06	PCS_DI01
B400-TDC-001	DI	TB-00-JE-BX00	25	26	04225	04226	1mm²	BK	WH	TB-04-05	10A	10B	04	05	10	CA_04_05	CA_04_06	PCS_DI01
B400-TDC-002	DI	TB-00-JE-BX00	27	28	04227	04228	1mm²	BK	WH	TB-04-05	11A	11B	04	05	11	CA_04_05	CA_04_06	PCS_DI01
B400-TIR-001	DI	TB-00-JE-BX00	29 e 31	30 e 32	04229 e 31	04230 e 32	1mm²	BK	WH	TB-04-05	12A	12B	04	05	12	CA_04_05	CA_04_06	PCS_DI01

TERMINALS 07-08 / 15-16 / 23-24 / 31-32 ARE DEDICATED TO 12VDC POWER SUPPLY TO "TIR" MOTION DETECTORS (COMING FROM SHEET 015)

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-00-JE-BX00

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 042

REV. 0

PCS PANEL -TB-C-63-PT-003

TAG NAME	IO TYPE	MARSH T.S. NAME	T.S. + NUM.	T.S. - NUM.	WIRE NUMBER + (A)	WIRE NUMBER - (A)	WIRE SECTION (A)	WIRE COLOUR + (A)	WIRE COLOUR - (A)	T.B. NAME	T.B. IN +	T.B. IN -	NODE	SLOT	CHANNEL	C.A. NAME A	C.A. NAME B	TYPICAL
63-PT-003	AI	TB-C-63-PT-003	01	02	04301	04302	1mm²	BK	WH	TB-03-01	11A	11B	03	01	11	CA_03_01	CA_03_02	PCS_AI01

YOKOGAWA◆ PROJECT Nr. E36672C00
DESCRIPTION: E366772C00-PCS_WD

CROSSWIND ROSETTI MARINO

REV	DATE	PREPARED	CHECKED	APPROVED	DESCRIPTION
1	13.09.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)
0	03.07.2024	A.G.	A.B.	S.C.	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS
PCS PANEL -TB-C-63-PT-003

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

SCALE : 1

A3

DRAWING NO. 1724000594-IN-DG-00020

SHEET 043

REV. 0

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

ROSETTI MARINO	**INSPECTION REPORT**	**Report No**. IR-YOK-0594-01	SHEET 1 di 6
		Data *Date from 04/10/2024 to 11/10/2024*	Rev. *Rev. 0*
PROGETTO *Project* **Base Load Power Hub (BLPH)**	**CLIENTE** *Client* CROSSWIND	**COMMESSA** / *Job* ***123A90***	**COMMESSA FORNITORE** / *Job Vendor* YOKOGAWA
FORNITORE *Supplier: YOKOGAWA*	**No. Ordine** *P.O. No.* **1724000594**	**OGGETTO** *Object* **INTEGRATED CONTROL AND SAFETY SYSTEM (ICSS)**	

DESCRIZIONE DEL MATERIALE / *Material Description*

POS. *Item*	**QUANTITA'** *Quantity*	**DESCRIZIONE** *Description*	**Nr. TAG** *TAG No.*	**TIPO DI ISPEZIONE** / *Kind of Inspection*	**ESITO** / *Result*
10	1	CONTROL SYSTEM	B400-PCS-001/002 B400-EMCS-001 B400-FGS-001/002/003 B400-SIS-001	Visual Check & FAT	**Satisfactory with Punch list**

DOCUMENTI APPLICABILI / *Applicable Documents*

TITOLO DOCUMENTO / *Document Title*	**NUMERO DOCUMENTO** / *Document Number*	**REVISIONE** / *Revision*	**STATO DOCUMENTO** / *Document Status*
INSPECTION AND TEST PLAN	1724000594-QC-ITP-00002	01	AFC
HARDWARE FACTORY ACCEPTANCE TEST (FAT) PROCEDURE	1724000594-QC-PRO-00030	01	AFC
*	*	*	*

Remarks:
*all other dwg's applicable are listed in section D like attachements

DISTRIBUZIONE A: / *Distribution to:*

☒**GESTIONE FORNITURE** / *Supply Management Department*	☒**CAPO COMMESSA** / *Project Manager*
☒**PRODUZIONE** / *Production*	☒**FORNITORE** / *Supplier*
☒**PPLM** */ Project Procurement & Logistic Manager*	☒**P.Q.M.**
☒**MAGAZZINO** / *Warehouse*	☒**P.E.M.**

ATTIVITA' ESEGUITE / *Activities Carried Out*

A - INTRODUZIONE / *Preliminary Introduction*

The present report refers to the inspection visit carried out from 04/10/2024 to 11/10/2024 at PREI factory (sucontractor of YOKOGAWA), located in ALZATE BRIANZA, ITALY.
The following inspection activities were witnessed by Rosetti Marino and Crosswind as specified in the Notification of Inspection (Noi) and in accordance with ITP and Factory acceptance test procedure
Attendees the test:

Mauro Dossena (Rosetti Marino)
Fabio Sirigu (Rosetti Marino)
Luigi Pignatelli (Crosswind)
Alessandro Giorgetti (Yokogawa)
Alessandro Berra (Yokogawa)

L' INCARICATO / *The person in charge*	**IL RAPP. DEL CLIENTE** / *Client's Representative*	**IL FORNITORE** / *Supplier*
ROSETTI MARINO *Supply Management dept.* 		

QUESTO DOCUMENTO NON SOLLEVA IL FORNITORE DALLA RESPONSABILITA' DI EVENTUALI DIFETTI E/O MALFUNZIONAMENTI RILEVATI DURANTE L'USO /
This document does not relieve the Supplier of the responsibility of any possible defects and/or misfunctioning arising during the utilisation.

ROSETTI MARINO	**INSPECTION REPORT**	**Report No**. IR-YOK-0594-01	SHEET 2 di 6
		Data *Date from 04/10/2024 to 11/10/2024*	Rev. *Rev. 0*
PROGETTO *Project* **Base Load Power Hub (BLPH)**	**CLIENTE** *Client* CROSSWIND	**COMMESSA** / *Job* ***123A90***	**COMMESSA FORNITORE** / *Job Vendor* YOKOGAWA
FORNITORE *Supplier: YOKOGAWA*	**No. Ordine** *P.O. No.* **1724000594**	**OGGETTO** *Object* **INTEGRATED CONTROL AND SAFETY SYSTEM (ICSS)**	

Area of concern
None

B –SCOPO DELL'ISPEZIONE / *Scope of Inspection*

DESCRIZIONE DEI TEST PRESENZIATI / *Description of witnessed tests*	**ESITO** / *Result*
DAY 1 **B400-PCS-001/002** - Visual & dimensional check - Electrical distribution functional check - Power supplies redundancy functional tests - I/O Functional test - I/O Redundancy functional tests - CPU and I/O bus couplers redundancy functional tests **DAY 2-3** **B400-EMCS-001** - Visual & dimensional check - Electrical distribution functional check - Power supplies redundancy functional tests - I/O Functional test - I/O Redundancy functional tests **DAY 4-5** **B400-FGS-001/002/003** - Visual & dimensional check - Electrical distribution functional check - Power supplies redundancy functional tests - I/O Functional test - I/O Redundancy functional tests - CPU and I/O bus couplers redundancy functional tests **DAY 6** **B400-SIS-001** - Visual & dimensional check - Electrical distribution functional check - Power supplies redundancy functional tests - I/O Functional test	**Satisfactory with Punch List**

L' INCARICATO / *The person in charge*	**IL RAPP. DEL CLIENTE** / *Client's Representative*	**IL FORNITORE** / *Supplier*
ROSETTI MARINO *Supply Management dept.*		

- I/O Redundancy functional tests
- CPU and I/O bus couplers redundancy functional tests

C –DETTAGLIO DEGLI STRUMENTI UTILIZZATI PER TEST E ISPEZIONE / *Details of Inspection and Test Instruments used*

NOME DELLO STRUMENTO *Equipment name*	**PRODUTTORE** *Manufacturer*	**MODELLO** *Model*	**PROSSIMA TARATURA** *Next calibration*
Multimeter	**FLUKE**	**87V (serial N. 96410192)**	**(1)**
Multifunction calibrator	**DRUCK**	**UPS-II (serial N. 59160)**	**(2)**

Remarks

(1) Refer to calibration certificate N. 210866V10e24 issued by Aviatronik Trescal on 10th May 2024, here attached
(2) Refer to calibration certificate N. 210863V10e24 issued by Aviatronik Trescal on 10th May 2024, here attached

D –ALLEGATI / *Attachments (***CERTIFICATI E TEST REPORT** */ Certificates and Test Reports)*

NUMERO DOCUMENTO / *Document Number*	**DESCRIZIONE** / *Description*	**TIPO** / *Type*	**NR. PAGINE** / *No. Pages*
1724000594-QC-PRO-00030	HW FACTORY ACCEPTANCE TEST (FAT) PROCEDURE	Signed copy	112
1724000594-IN-DA-00009	PCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT	Mark-up copy	23
1724000594-IN-DG-00020	PCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS	Mark-up copy	43
1724000594-IN-DA-00013	EMCS CABINETS GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT	Mark-up copy	23
1724000594-IN-DG-00024	EMCS CABINETS WIRING DIAGRAMS AND TERMINAL STRIPS	Mark-up copy	30
1724000594-IN-DA-00010	SAFETY SYSTEMS CABINETS (SIS AND FGS) GENERAL ARRANGEMENT DRAWINGS AND INTERNAL LAYOUT	Mark-up copy	36
1724000594-IN-DG-00021	SAFETY SYSTEMS CABINETS (SIS AND FGS) WIRING DIAGRAMS AND TERMINAL STRIPS	Mark-up copy	78
-	PUNCH LIST	Signed copy	1
-	B400-PCS-001-2 Check Sheet and Punch Records	Signed copy	13
-	B400-EMCS-001 Check Sheet and Punch Records	Signed copy	7
-	B400-FGS-001-2-3 Check Sheet and Punch Records	Signed copy	7
-	B400-SIS-001 Check Sheet and Punch Records	Signed copy	8

E – DETTAGLI ED ESITO DELL'ISPEZIONE */ Details and Results of Inspection*

All details have been highlighted in the test reports

F – CONCLUSIONI */ Conclusions*

L' INCARICATO / *The person in charge*	**IL RAPP. DEL CLIENTE** / *Client's Representative*	**IL FORNITORE** / *Supplier*
ROSETTI MARINO *Supply Management dept.*		

QUESTO DOCUMENTO NON SOLLEVA IL FORNITORE DALLA RESPONSABILITA' DI EVENTUALI DIFETTI E/O MALFUNZIONAMENTI RILEVATI DURANTE L'USO /
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ROSETTI MARINO	**INSPECTION REPORT**	**Report No**. IR-YOK-0594-01	SHEET 4 di 6
		Data *Date from 04/10/2024 to 11/10/2024*	Rev. *Rev. 0*
PROGETTO *Project* **Base Load Power Hub (BLPH)**	**CLIENTE** *Client* CROSSWIND	**COMMESSA** / *Job* ***123A90***	**COMMESSA FORNITORE** / *Job Vendor* YOKOGAWA
FORNITORE *Supplier: YOKOGAWA*	**No. Ordine** *P.O. No.* **1724000594**	**OGGETTO** *Object* **INTEGRATED CONTROL AND SAFETY SYSTEM (ICSS)**	

FAT for B400-PCS-001/002, B400-EMCS-001, B400-FGS-001/002/003, B400-SIS-001 has been completed successfully with Punch Lists.
During FAT has been created a Master Copy of documents with all red marked up in order to create a pictures for construction and commission team.
The above cabinets will be delivered during week 42.

G – PUNTI IRRISOLTI / *Outstanding points*

See attached Punch List

H – STATO PACKING LIST / *Packing List Status*	☒ **EMESSO** / *Issued*	☐ **NON EMESSO** / *Not Issued*	DD/MM/YYYY **ULTIMA DATA UTILE** / *Last Date*

PUNCH LIST REPORT: VEDI ALLEGATO N° / *Refer to Attachment n° NOT APPLICABLE*

REPORT FOTOGRAFICO (SE PRESENTE) / *Digital Pictures (if any)*



Punch P005



Punch P008

L' INCARICATO / *The person in charge*	**IL RAPP. DEL CLIENTE** / *Client's Representative*	**IL FORNITORE** / *Supplier*
ROSETTI MARINO *Supply Management dept.*		

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ROSETTI MARINO	**INSPECTION REPORT**	**Report No.** IR-YOK-0594-01	SHEET 5 di 6
		Data *Date from 04/10/2024 to 11/10/2024*	Rev. *Rev. 0*
PROGETTO *Project* **Base Load Power Hub (BLPH)**	**CLIENTE** *Client* CROSSWIND	**COMMESSA** / *Job* ***123A90***	**COMMESSA FORNITORE** / *Job Vendor* YOKOGAWA
FORNITORE *Supplier: YOKOGAWA*	**No. Ordine** *P.O. No.* **1724000594**	**OGGETTO** *Object* **INTEGRATED CONTROL AND SAFETY SYSTEM (ICSS)**	



Punch E003



Punch E006



Punch F003



Punch F004

L' INCARICATO / *The person in charge*	**IL RAPP. DEL CLIENTE** / *Client's Representative*	**IL FORNITORE** / *Supplier*
ROSETTI MARINO *Supply Management dept.*		

QUESTO DOCUMENTO NON SOLLEVA IL FORNITORE DALLA RESPONSABILITA' DI EVENTUALI DIFETTI E/O MALFUNZIONAMENTI RILEVATI DURANTE L'USO /
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ROSETTI MARINO	**INSPECTION REPORT**	**Report No**. IR-YOK-0594-01	SHEET 6 di 6
		Data *Date from 04/10/2024 to 11/10/2024*	Rev. *Rev. 0*
PROGETTO *Project* **Base Load Power Hub (BLPH)**	**CLIENTE** *Client* CROSSWIND	**COMMESSA** / *Job* ***123A90***	**COMMESSA FORNITORE** / *Job Vendor* YOKOGAWA
FORNITORE *Supplier:* *YOKOGAWA*	**No. Ordine** *P.O. No.* **1724000594**	**OGGETTO** *Object* **INTEGRATED CONTROL AND SAFETY SYSTEM (ICSS)**	



Punch S002



Punch S003



Punch S005

NON VALIDO PER IL RILASCIO DELLA FORNITURA / *It is not valid for the supply's release*

L' INCARICATO / *The person in charge*	**IL RAPP. DEL CLIENTE** / *Client's Representative*	**IL FORNITORE** / *Supplier*
ROSETTI MARINO *Supply Management dept.*		

QUESTO DOCUMENTO NON SOLLEVA IL FORNITORE DALLA RESPONSABILITA' DI EVENTUALI DIFETTI E/O MALFUNZIONAMENTI RILEVATI DURANTE L'USO /
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Section 13 MECHANICAL COMPLETION CHANGES / MARK-UPS

NOT APPLICABLE