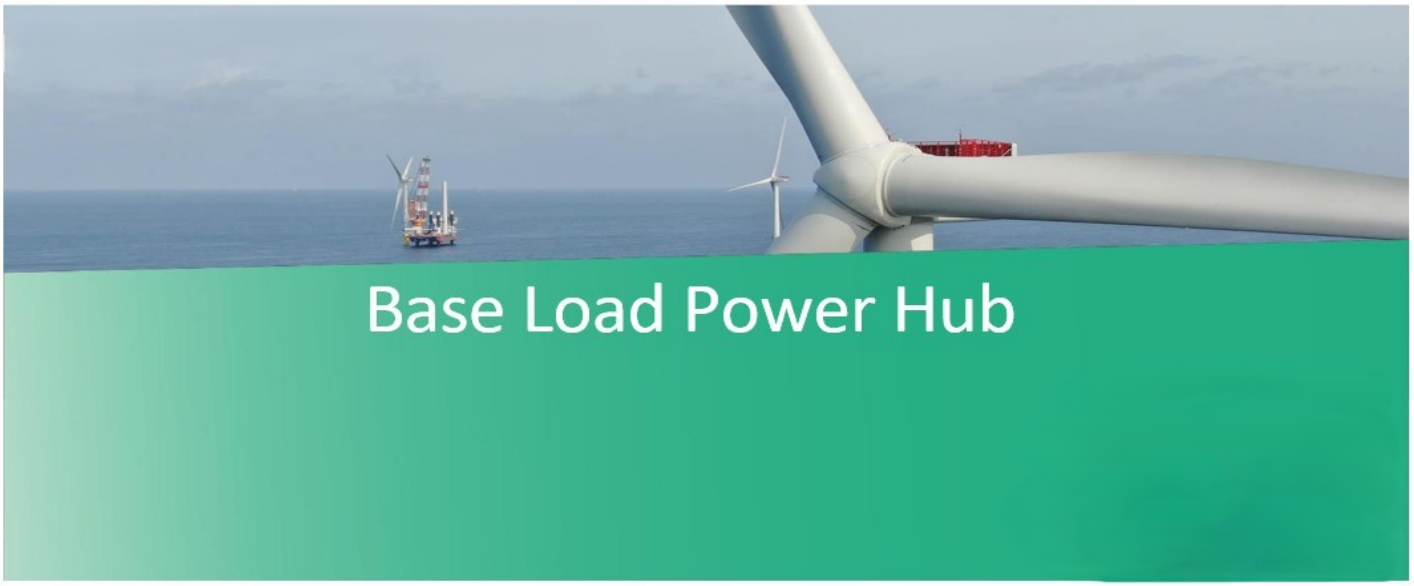
CROSSWIND

ROSETTI MARINO

PROVERUS

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



COMMISSIONING DOSSIER (ONSHORE)

SYSTEM	87 Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-20 Process Control System (PCS) - Instrumentation

CROSSWIND

123A90 - HOLLANDSE KUST NOORD WIND PARK
BLPH Project

COMMISSIONING DOSSIER INDEX

ROSETTI MARINO

Sub System N°:	87-20	**Tick as appropriate**	ONSHORE	0K
Description:	Process Control System (PCS) - Instrumentation		OFFSHORE	

1. *SUB-SYSTEM DEFINITION*	OK
1.1 Sub-System Description / Boundary Limit Drawings	
2. *READY FOR OPERATION CERTIFICATE*	OK
2.1 Achievement Of Ready for Operation Certificate (RFO)	
2.2 Exception Punch Lists (per discipline)	
2.3 “As-Commissioned” P&ID’s / SLD’s / D&ID’s / C&E’s	
3. *CONSOLIDATED PUNCH LISTS*	OK
3.1 Cleared and Residual Items (sorted by discipline)	
4. *FUNCTIONAL TESTS SHEETS*	OK
4.1 Electrical functional test sheets index	
4.2 Electrical “As-Commissioned” interconnection diagrams	
4.3 Instrumentation Functional Test Sheets Index	
4.4 Instrumentation “As-Commissioned” interconnection diagrams	
4.5 Telecommunication Functional Test Sheets Index	
4.6 Telecommunication “As-Commissioned” I.C.D. / TSLD’s	
5. *SITE / OPERATIONAL:*	NA
5.1 Operational Test Procedure	
5.2 Operational Test Certificates	
6. *PIPING AND VESSEL PREPARATION*	NA
6.1 Final Mechanical / Vessel Inspection Checks Index	
6.2 Leak Test / Drying / Inerting Test Sheets Index	
6.3 Chemical Loading & First Fill records Index	
6.4 Chemical Cleaning Reports and Records Index	
6.5 Lubrication Schedule	
7. *VENDORS*	NA
7.1 Vendor Package Summary Index	
7.2 SAT Procedure with associated punch list and reference (Front Page)	
7.3 Vendor Spares & Special Tools lists references	
7.4 Vendor Data / Operations / Maintenance Manuals References	
8. *LIST OF MODIFICATIONS*	NA
8.1 List of changes initiated during the WORKSITE Commissioning phase pertaining to the relevant Sub-System will be incorporated in this section with relevant references (with location and position of blinds/spades, isolation LO & LC valves, list of electrical isolation status, and remaining inhibits and overrides)	
9. *SUPPORTING DOCUMENTS*	NA
9.1 Other supporting documents (as applicable)	

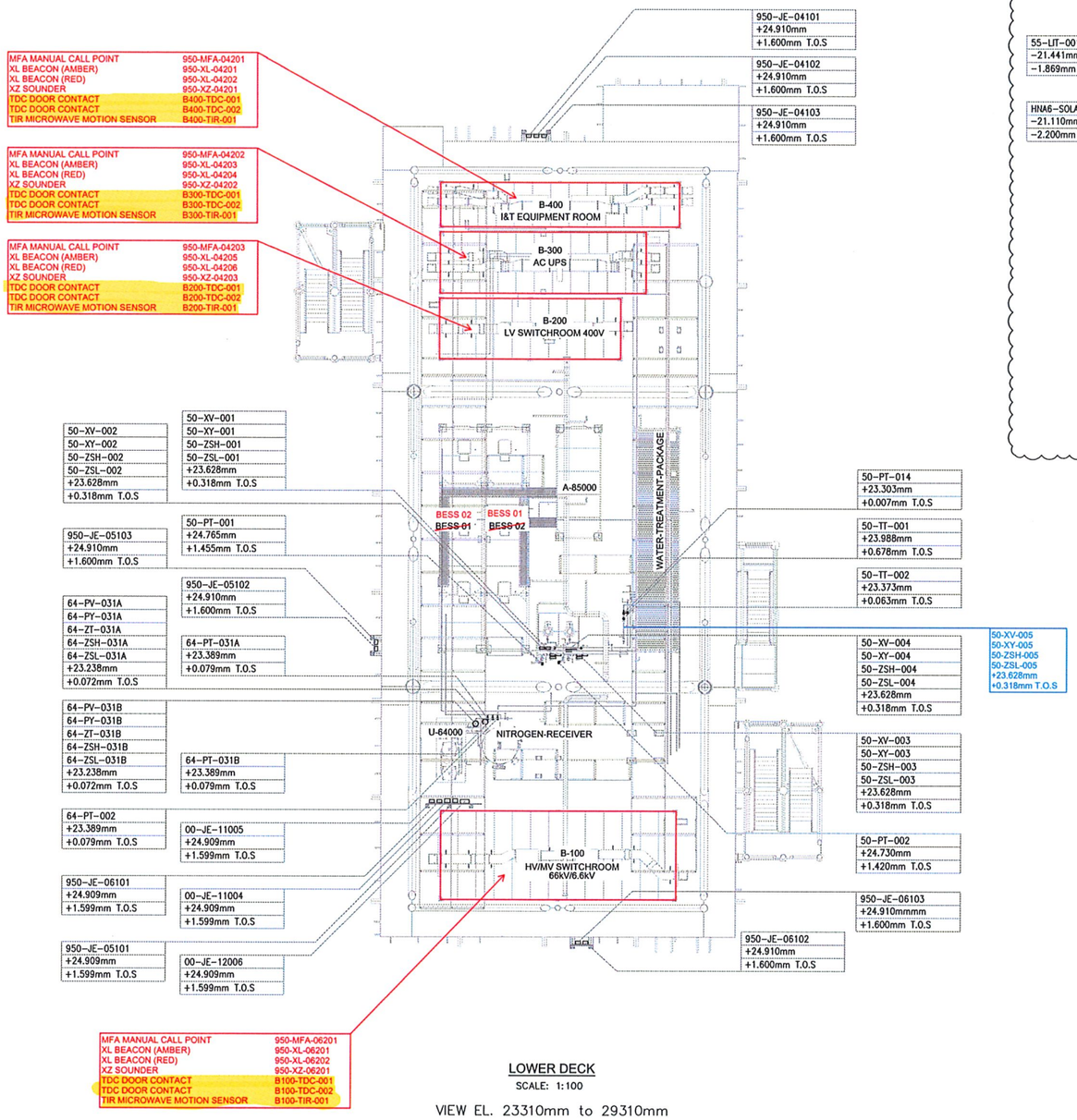
	Contractor Commissioning Site Leader	Company Commissioning Site Leader
Name	Anthony Iveson	Gerry McCann
Date	2025-05-14	2025-05-15
Signature	PROVERLIS Digitaly signed by Anthony Iveson 2025-05-14T11:21:48.328Z	PROVERLIS Digitaly signed by Gerry McCann 2025-05-15T13:42:50.458Z

Section 1 SUB-SYSTEM DEFINITION

DRAWING NO. 123A90-DDL-IN-DL-40080

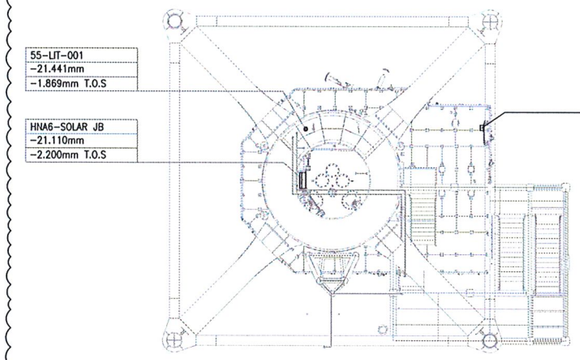
REV. 02

SS 87-20

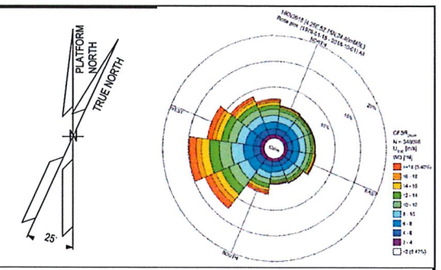


LOWER DECK
SCALE: 1:100
VIEW EL. 23310mm to 29310mm

02



TRANSITION PIECE
SCALE: 1:100
VIEW EL. 17050mm to 23310mm



NOTES

1. ALL DIMENSIONS AND ELEVATIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
2. ELEVATIONS REFER TO T.O.S.
3. THIS DRAWING IS VALID ONLY FOR INSTRUMENT LOCATION LAYOUT.

LEGEND

- INSTRUMENT JUNCTION BOX
- ELECTRONIC INSTRUMENT
- CONTROL / ON-OFF VALVE

HOLDS

REFERENCE DOCUMENTS

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

INSERT SUBCONTRACTOR / VENDOR LOGO HERE

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	04/10/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	26/08/24	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	22/12/23	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND | ROSETTI MARINO

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DL-40080

REV.:	DATE:	SIGNATURE:
2_C	06/11/24	G.Randi

ROSETTI MARINO SpA

TITLE : BASE LOAD POWER HUB (BLPH)
INSTRUMENT LOCATION LAYOUT–LOWER DECK
TOS EL. 23.310M

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE 1:150
DRAWN VBA	CHECKED LCA	APPROVED DLO	DATE 04/10/24
A1	DRAWING NO. 123A90-DDL-IN-DL-40080		SHEET 001 / REV. 02

File Name : 123A90-DDL-IN-DL-40080 REV02.dwg

Section 2 READY FOR OPERATION

Section 2.1 Achievement Of Ready for Operation Certificate (RFO)

ROSETTI MARINO

123A90 - HOLLANDSE KUST NOORD WIND PARK
BLPH Project

CROSSWIND

Ready For Operation (RFO) Certificate

COMPLETE	●	PARTIAL	

Revision:	1		Issued on:	2025-04-09	

System:	87	/	Instrumentation Systems incl. general control room equipment

SubSystem:	87-20	/	Process Control System (PCS) - Instrumentation

We hereby confirm that all Mechanical Completion (MC) and Pre-Commissioning/Commissioning (Pre-Comm./Comm.) activities for the above-mentioned System/Sub-System have been successfully completed in accordance with project specifications, relevant standards and contractual requirements. The System/Sub-System has been tested and verified to ensure readiness for operation. Issuance of this Certificate shall not release CONTRACTOR from any of his obligations, responsibilities or liabilities under the CONTRACT.

- **Mechanical Completion:** All required MC activities have been completed and approved
- **Pre-Commissioning & Commissioning:** All required Pre-Comm. and Comm. activities and OTPs have been completed and approved (Status Index attached)
- **Punch List:** All Punch items categorized as A and B have been cleared (PL report attached)
- **Documentation:** As-built documentation and Commissioning dossier has been completed, reviewed and approved

PUNCH LIST	PENDING POINTS
Note: All Category "A" and "B" Items must be cleared prior to issuance of the Ready For Operation (RFO) Certificate	B: 1

REMARKS:

	CONTRACTOR Commissioning Manager	COMPANY Commissioning Lead
Name	Anthony Iveson	Gerry McCann
Date	2025-04-12	2025-05-13
Signature	PROVERLIS Digitaly signed by Anthony Iveson 2025-04-12T12:32:32.057Z	PROVERLIS Digitaly signed by Gerry McCann 2025-05-13T14:11:32.985Z

CROSSWIND

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Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 87-20 & process: COMM

Instrumental	87-20 Process Control System (PCS) - Instrumentation						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
B100-TDC-001	Proximity Switch (B-100)	ONSHORE	C10003190	FJ01D	100	2025-01-28	RFO 1
B100-TDC-002	Proximity Switch (B-100)	ONSHORE	C10003191	FJ01D	100	2025-01-28	RFO 1
B100-TIR-001	Motion Detector (B-100)	ONSHORE	C10003192	FJ01D	100	2025-01-28	RFO 1
B200-TDC-001	Proximity Switch (B-200)	ONSHORE	C10003193	FJ01D	100	2025-01-28	RFO 1
B200-TDC-002	Proximity Switch (B-200)	ONSHORE	C10003194	FJ01D	100	2025-01-28	RFO 1
B200-TIR-001	Motion Detector (B-200)	ONSHORE	C10003195	FJ01D	100	2025-01-28	RFO 1
B300-TDC-001	Proximity Switch (B-300)	ONSHORE	C10003196	FJ01D	100	2025-01-28	RFO 1
B300-TDC-002	Proximity Switch (B-300)	ONSHORE	C10003197	FJ01D	100	2025-01-28	RFO 1
B300-TIR-001	Motion Detector (B-300)	ONSHORE	C10003198	FJ01D	100	2025-01-28	RFO 1
B400-TDC-001	Proximity Switch (B-400)	ONSHORE	C10003199	FJ01D	100	2025-01-28	RFO 1
B400-TDC-002	Proximity Switch (B-400)	ONSHORE	C10003200	FJ01D	100	2025-01-28	RFO 1
B400-TIR-001	Motion Detector (B-400)	ONSHORE	C10003201	FJ01D	100	2025-01-28	RFO 1

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-20	Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001597	B	B300-TDC-001 C10002334	Identification tag is missing	.		Lmussi 2024-12-10	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001598	B	B300-TDC-002 C10002335	Identification tag is missing	.		Lmussi 2024-12-10	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001599	B	B400-TDC-001 C10002337	Identification tag is missing	.		Lmussi 2024-12-10	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001600	B	B400-TDC-002 C10002338	Identification tag is missing	.		Lmussi 2024-12-10	2025-02-03	Gtangianu 2025-02-03	2025-02-03
C30001601	B	B300-TIR-001 C10002336	Identification tag is missing	.		Lmussi 2024-12-10	2025-01-02	Ecarotenuto 2025-01-02	2025-01-02
C30001602	B	B400-TIR-001 C10002339	Identification tag is missing	.		Lmussi 2024-12-10	2025-01-02	Ecarotenuto 2025-01-02	2025-01-02
C30001603	B	C-B300-TDC-001/B400-PCS-002	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)	.		Lmussi 2024-12-10			
C30001604	B	C-B300-TDC-002/B400-PCS-002	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)	.		Lmussi 2024-12-10	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001605	B	C-B300-TDC-002/B400-PCS-002	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-01-31	Gtangianu 2025-01-31	2025-01-31

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 87 Instrumentation Systems incl. general control room equipment

SUBSYSTEM 87-20 Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001606	B	C-B300-TIR-001/B400-PCS-002 C10002316	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-02-27	JKrizanic 2025-02-27	2025-02-27
C30001607	B	C-B300-TIR-001/B400-PCS-002 C10002316	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)	.		Lmussi 2024-12-10	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001608	B	C-B400-TDC-001/B400-PCS-002	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003).	.		Lmussi 2024-12-10	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001609	B	C-B400-TDC-001/B400-PCS-002	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-05-07	Gtangianu 2025-05-07	2025-05-07
C30001610	B	C-B400-TDC-002/B400-PCS-002	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-05-07	Gtangianu 2025-05-07	2025-05-07
C30001611	B	C-B400-TDC-002/B400-PCS-002	Panduit is missing inside the panel	.		Lmussi 2024-12-10	2025-02-03	Gtangianu 2025-02-03	2025-02-03
C30001612	B	C-B400-TIR-001/B400-PCS-002 C10002319	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-05-07	Gtangianu 2025-05-07	2025-05-07
C30001613	B	C-B400-TIR-001/B400-PCS-002 C10002319	Panduit is missing inside the panel B400-PCS-002.	.		Lmussi 2024-12-10	2024-12-18	AAndreani 2024-12-18	2024-12-18
C30001665	B	C-B200-TDC-001/B400-PCS-002	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-11	2025-04-08	Gtangianu 2025-04-08	2025-04-08

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 87 Instrumentation Systems incl. general control room equipment

SUBSYSTEM 87-20 Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001666	B	C-B200-TDC-002/B400-PCS-002	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-11	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001667	B	C-B200-TIR-001/B400-PCS-002 C10002313	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-11	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001668	B	B200-TDC-001 C10002331	Identification tag is missing	.		Lmussi 2024-12-11	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001697	B	B200-TDC-002 C10002332	Identification tag is missing	.		Lmussi 2024-12-11	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001699	B	B200-TIR-001 C10002333	Identification tag is missing	.		Lmussi 2024-12-11	2025-01-02	Ecarotenuto 2025-01-02	2025-01-02
C30001721	B	C-B100-TDC-001/B400-PCS-002	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-12	2025-04-11	Gtangianu 2025-04-11	2025-04-11
C30001722	B	C-B100-TDC-001/B400-PCS-002	On instrument side, core labelling is not as per Cable identification (C-B100-TDC-001/B-400-PCS-022 instead of	.		Lmussi 2024-12-12	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30001723	B	C-B100-TDC-002/B400-PCS-002	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-12	2025-04-11	Gtangianu 2025-04-11	2025-04-11
C30001724	B	C-B100-TIR-001/B400-PCS-002 C10002310	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-12	2025-04-08	Gtangianu 2025-04-08	2025-04-08

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 87 Instrumentation Systems incl. general control room equipment

SUBSYSTEM 87-20 Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001728	B	B100-TDC-001 C10002328	Identification tag is missing	.		Lmussi 2024-12-12	2025-01-31	Ecarotenuto 2025-01-31	2025-01-31
C30001730	B	B100-TDC-002 C10002329	Identification tag is missing.	.		Lmussi 2024-12-12	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001732	B	B100-TIR-001 C10002330	Identification tag is missing.	.		Lmussi 2024-12-12	2025-01-02	Ecarotenuto 2025-01-02	2025-01-02
C30001790	B	C-B400-TDC-001/B400-PCS-002	Panduits are missing on both inside and outside of the panel.	.		Lmussi 2024-12-13	2025-02-03	Gtangianu 2025-02-03	2025-02-03
C30001791	B	C-B400-TIR-001/B400-PCS-002 C10002319	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)	.		Lmussi 2024-12-13	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001798	B	B100-TDC-001 C10002328	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001799	B	B100-TDC-002 C10002329	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-03-04	JKrizanic 2025-03-04	2025-03-04
C30001800	B	B200-TDC-001 C10002331	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001801	B	B200-TDC-002 C10002332	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12

CROSSWIND

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Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-20	Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001802	B	B300-TDC-001 C10002334	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001803	B	B300-TDC-002 C10002335	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001804	B	B400-TDC-001 C10002337	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001805	B	B400-TDC-002 C10002338	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.			Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001806	B	B300-TDC-001 C10002334	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-03-04	JKrizanic 2025-03-04	2025-03-04

Section 2.2 Exception Punch Lists (per discipline)

CROSSWIND

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Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-20	Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001603	B	C-B300-TDC-001/B400-PCS-002	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)	.		Lmussi 2024-12-10			

Section 2.3 “As-Commissioned” P&ID's / SLD's / D&ID's / C&E's

Section 3 CONSOLIDATED PUNCH LISTS

CROSSWIND

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Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 87 Instrumentation Systems incl. general control room equipment

SUBSYSTEM 87-20 Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001597	B	B300-TDC-001 C10002334	Identification tag is missing	.		Lmussi 2024-12-10	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001598	B	B300-TDC-002 C10002335	Identification tag is missing	.		Lmussi 2024-12-10	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001599	B	B400-TDC-001 C10002337	Identification tag is missing	.		Lmussi 2024-12-10	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001600	B	B400-TDC-002 C10002338	Identification tag is missing	.		Lmussi 2024-12-10	2025-02-03	Gtangianu 2025-02-03	2025-02-03
C30001601	B	B300-TIR-001 C10002336	Identification tag is missing	.		Lmussi 2024-12-10	2025-01-02	Ecarotenuto 2025-01-02	2025-01-02
C30001602	B	B400-TIR-001 C10002339	Identification tag is missing	.		Lmussi 2024-12-10	2025-01-02	Ecarotenuto 2025-01-02	2025-01-02
C30001603	B	C-B300-TDC-001/B400-PCS-002	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)	.		Lmussi 2024-12-10			
C30001604	B	C-B300-TDC-002/B400-PCS-002	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)	.		Lmussi 2024-12-10	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001605	B	C-B300-TDC-002/B400-PCS-002	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-01-31	Gtangianu 2025-01-31	2025-01-31

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-20	Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001606	B	C-B300-TIR-001 /B400-PCS-002 C10002316	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-02-27	JKrizanic 2025-02-27	2025-02-27
C30001607	B	C-B300-TIR-001 /B400-PCS-002 C10002316	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)	.		Lmussi 2024-12-10	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001608	B	C-B400-TDC-00 1/B400-PCS-00 2	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003).	.		Lmussi 2024-12-10	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001609	B	C-B400-TDC-00 1/B400-PCS-00 2	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-05-07	Gtangianu 2025-05-07	2025-05-07
C30001610	B	C-B400-TDC-00 2/B400-PCS-00 2	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-05-07	Gtangianu 2025-05-07	2025-05-07
C30001611	B	C-B400-TDC-00 2/B400-PCS-00 2	Panduit is missing inside the panel	.		Lmussi 2024-12-10	2025-02-03	Gtangianu 2025-02-03	2025-02-03
C30001612	B	C-B400-TIR-001 /B400-PCS-002 C10002319	Missing segregation between Intrinsic Safe cables and instrumentation cables	.		Lmussi 2024-12-10	2025-05-07	Gtangianu 2025-05-07	2025-05-07
C30001613	B	C-B400-TIR-001 /B400-PCS-002 C10002319	Panduit is missing inside the panel B400-PCS-002.	.		Lmussi 2024-12-10	2024-12-18	AAndreani 2024-12-18	2024-12-18
C30001665	B	C-B200-TDC-00 1/B400-PCS-00 2	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-11	2025-04-08	Gtangianu 2025-04-08	2025-04-08

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-20	Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001666	B	C-B200-TDC-002/B400-PCS-002	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-11	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001667	B	C-B200-TIR-001/B400-PCS-002 C10002313	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-11	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001668	B	B200-TDC-001 C10002331	Identification tag is missing	.		Lmussi 2024-12-11	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001697	B	B200-TDC-002 C10002332	Identification tag is missing	.		Lmussi 2024-12-11	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001699	B	B200-TIR-001 C10002333	Identification tag is missing	.		Lmussi 2024-12-11	2025-01-02	Ecarotenuto 2025-01-02	2025-01-02
C30001721	B	C-B100-TDC-001/B400-PCS-002	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-12	2025-04-11	Gtangianu 2025-04-11	2025-04-11
C30001722	B	C-B100-TDC-001/B400-PCS-002	On instrument side, core labelling is not as per Cable identification (C-B100-TDC-001/B-400-PCS-022 instead of	.		Lmussi 2024-12-12	2025-01-31	Gtangianu 2025-01-31	2025-01-31
C30001723	B	C-B100-TDC-002/B400-PCS-002	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-12	2025-04-11	Gtangianu 2025-04-11	2025-04-11
C30001724	B	C-B100-TIR-001/B400-PCS-002 C10002310	On instrument side, core identification tags are missing for all wires. On panel side, core identification tags are not as per Cross-Ferruling	.		Lmussi 2024-12-12	2025-04-08	Gtangianu 2025-04-08	2025-04-08

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-20	Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001728	B	B100-TDC-001 C10002328	Identification tag is missing	.		Lmussi 2024-12-12	2025-01-31	Ecarotenuto 2025-01-31	2025-01-31
C30001730	B	B100-TDC-002 C10002329	Identification tag is missing.	.		Lmussi 2024-12-12	2025-02-03	GBertuccelli 2025-02-03	2025-02-03
C30001732	B	B100-TIR-001 C10002330	Identification tag is missing.	.		Lmussi 2024-12-12	2025-01-02	Ecarotenuto 2025-01-02	2025-01-02
C30001790	B	C-B400-TDC-001/B400-PCS-002	Panduits are missing on both inside and outside of the panel.	.		Lmussi 2024-12-13	2025-02-03	Gtangianu 2025-02-03	2025-02-03
C30001791	B	C-B400-TIR-001/B400-PCS-002 C10002319	On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)	.		Lmussi 2024-12-13	2025-04-08	Gtangianu 2025-04-08	2025-04-08
C30001798	B	B100-TDC-001 C10002328	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001799	B	B100-TDC-002 C10002329	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-03-04	JKrizanic 2025-03-04	2025-03-04
C30001800	B	B200-TDC-001 C10002331	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001801	B	B200-TDC-002 C10002332	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	87	Instrumentation Systems incl. general control room equipment
SUBSYSTEM	87-20	Process Control System (PCS) - Instrumentation

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30001802	B	B300-TDC-001 C10002334	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001803	B	B300-TDC-002 C10002335	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001804	B	B400-TDC-001 C10002337	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001805	B	B400-TDC-002 C10002338	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.			Lmussi 2024-12-13	2025-02-12	APolo 2025-02-12	2025-02-12
C30001806	B	B300-TDC-001 C10002334	(Open during WD) Metallic cable of the magnetic contact to be properly fixed.	.		Lmussi 2024-12-13	2025-03-04	JKrizanic 2025-03-04	2025-03-04

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001603

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002314	1.4 Discipline	Instrumental
1.2 Item	C-B300-TDC-001/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:26:49.372Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T15:27:00.645Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Name

Date

Signature

6- CLEARANCE APPROVAL

Name

Date

Signature

TB-00-JE-13003
TR-00-JE-BX00

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001597

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002334	1.4 Discipline	Instrumental
1.2 Item	B300-TDC-001	Proximity Switch (B-300)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T14:42:25.583Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T14:44:57.996Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Done

Name: Gabriele Bertuccelli

Date: 2025-02-03

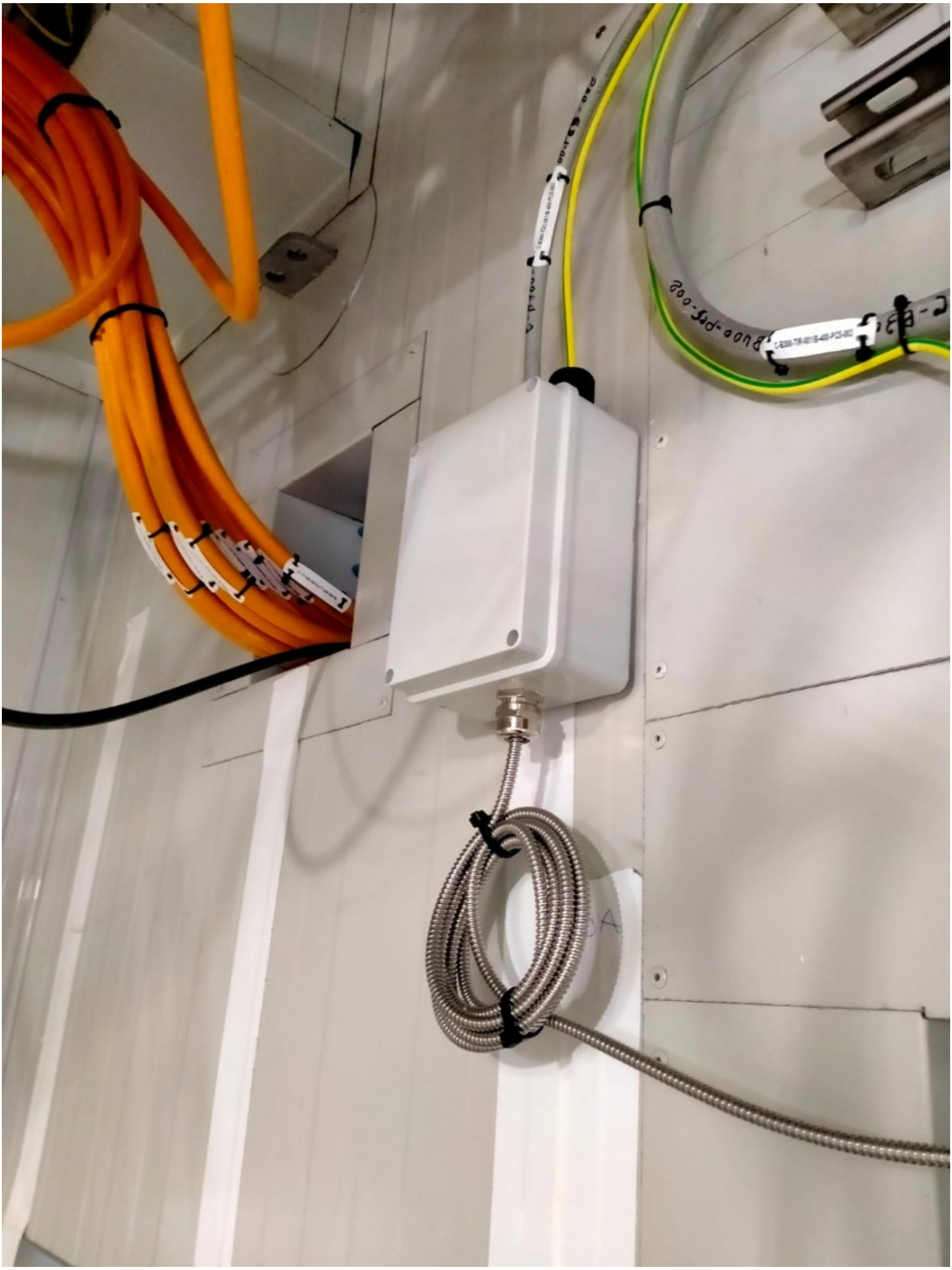
Signature: Digitaly signed by Gabriele Bertuccelli 2025-02-03T16:25:56.866Z

6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001598

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002335	1.4 Discipline	Instrumental
1.2 Item	B300-TDC-002	Proximity Switch (B-300)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T14:46:30.591Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T14:46:42.395Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Done

Name: Gabriele Bertuccelli

Date: 2025-02-03

Signature: Digitaly signed by Gabriele Bertuccelli 2025-02-03T16:26:20.650Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001599

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002337	1.4 Discipline	Instrumental
1.2 Item	B400-TDC-001	Proximity Switch (B-400)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T14:50:01.845Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T14:50:13.458Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Done

Name: Gabriele Bertuccelli

Date: 2025-02-03

Signature: Digitaly signed by Gabriele Bertuccelli 2025-02-03T16:26:32.063Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001600

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002338	1.4 Discipline	Instrumental
1.2 Item	B400-TDC-002	Proximity Switch (B-400)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T14:51:07.940Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T14:51:20.046Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-02-03

Signature: Digitaly signed by Giovanni Tangianu 2025-02-03T10:13:44.104Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001601

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002336	1.4 Discipline	Instrumental
1.2 Item	B300-TIR-001	Motion Detector (B-300)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T14:52:22.266Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T14:52:32.703Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto

Date: 2025-01-02

Signature: Digitaly signed by Eleonora Carotenuto 2025-01-02T16:20:25.890Z

6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001602

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002339	1.4 Discipline	Instrumental
1.2 Item	B400-TIR-001	Motion Detector (B-400)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T14:53:30.536Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T14:54:07.472Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto

Date: 2025-01-02

Signature: Digitaly signed by Eleonora Carotenuto 2025-01-02T16:20:37.928Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001604

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002315	1.4 Discipline	Instrumental
1.2 Item	C-B300-TDC-002/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:28:41.919Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T15:29:00.335Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-08

Signature: Digitaly signed by Giovanni Tangianu 2025-04-08T12:45:22.414Z

6- CLEARANCE APPROVAL

Name

Date

Signature


2/B400-PCS-002/TB-00-JE-BX00/4
3/B400-PCS-002/TB-00-JE-BX00/6
1-/B400-PCS-002/TB-00-JE-BX00/8
2/B400-PCS-002/TB-00-JE-BX00/10
2/B400-PCS-002/TB-00-JE-BX00/12
3/B400-PCS-002/TB-00-JE-BX00/14
1-/B400-PCS-002/TB-00-JE-BX00/16
2/B400-PCS-002/TB-00-JE-BX00/18
2/B400-PCS-002/TB-00-JE-BX00/20
3/B400-PCS-002/TB-B400-PCS-002/22
1-/B400-PCS-002/TB-00-JE-BX00/24
2/B400-PCS-002/TB-00-JE-BX00/26
2/B400-PCS-002/TB-00-JE-BX00/28
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ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001605

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002315	1.4 Discipline	Instrumental
1.2 Item	C-B300-TDC-002/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Missing segregation between Intrinsic Safe cables and instrumentation cables

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:29:50.124Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T15:32:38.794Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-01-31

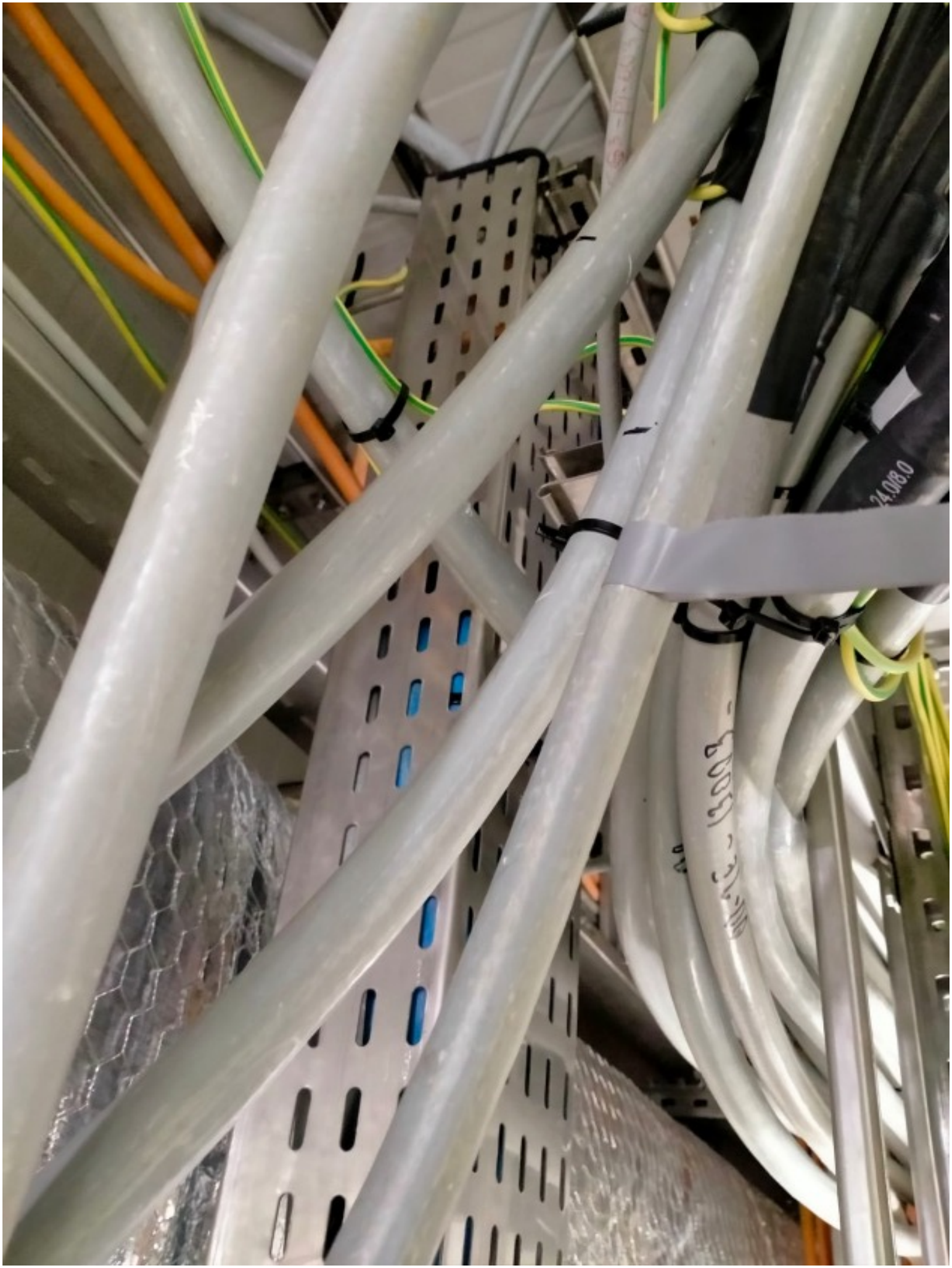
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6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001606

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002316	1.4 Discipline	Instrumental
1.2 Item	C-B300-TIR-001/B400-PCS-002	MOTION DETECTOR / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Missing segregation between Intrinsic Safe cables and instrumentation cables

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:37:37.636Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T15:37:49.455Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Josip Krizanic

Date: 2025-02-27

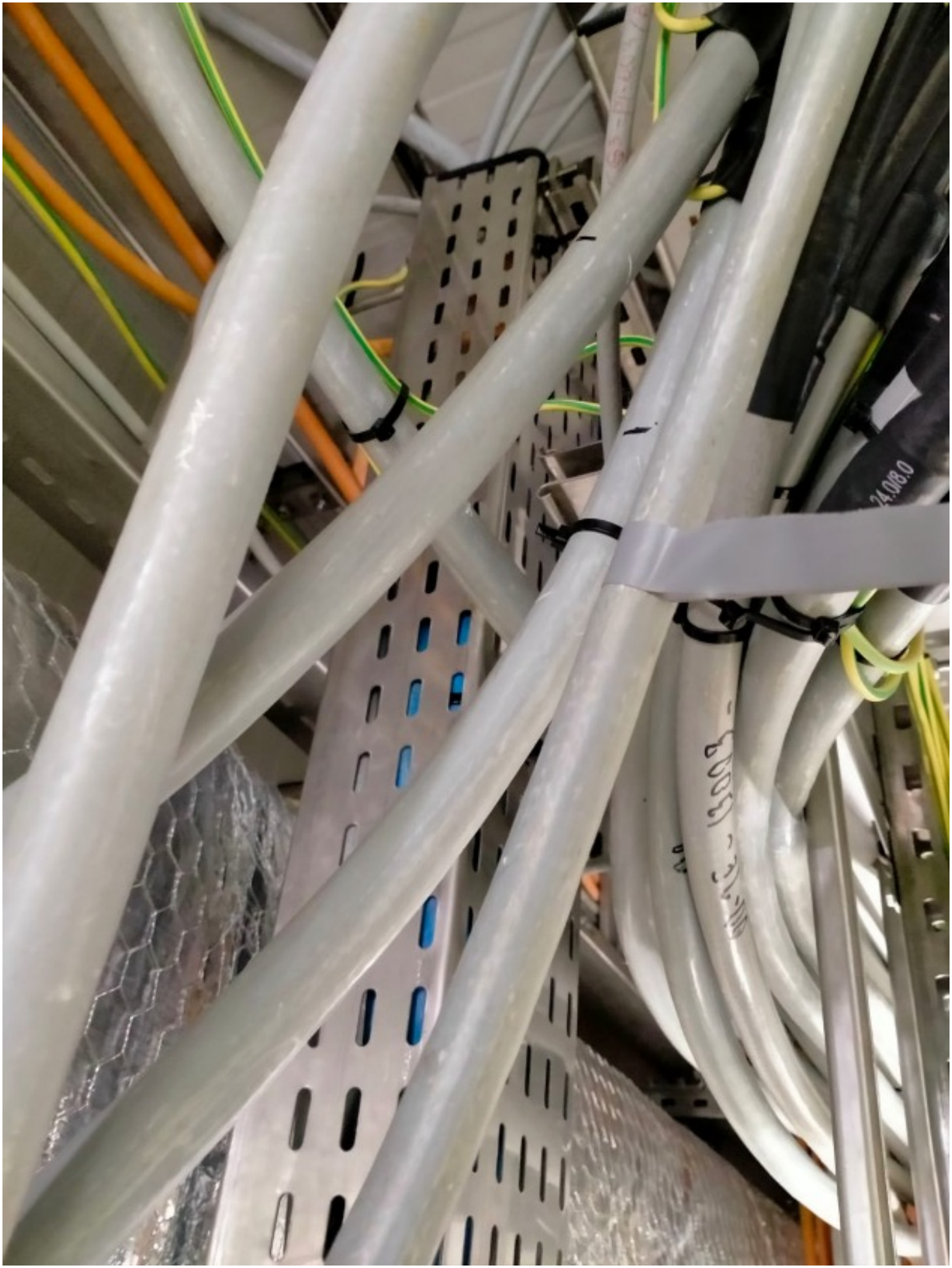
Signature: Digitaly signed by Josip Krizanic 2025-02-27T12:06:49.691Z

6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001607

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002316	1.4 Discipline	Instrumental
1.2 Item	C-B300-TIR-001/B400-PCS-002	MOTION DETECTOR / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:38:19.527Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T15:38:35.582Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-08

Signature: Digitaly signed by Giovanni Tangianu 2025-04-08T12:45:32.528Z

6- CLEARANCE APPROVAL

Name

Date

Signature


2/B400-PCS-002/TB-00-JE-BX00/4
3/B400-PCS-002/TB-00-JE-BX00/6
1-/B400-PCS-002/TB-00-JE-BX00/8
2/B400-PCS-002/TB-00-JE-BX00/10
2/B400-PCS-002/TB-00-JE-BX00/12
3/B400-PCS-002/TB-00-JE-BX00/14
1-/B400-PCS-002/TB-00-JE-BX00/16
2/B400-PCS-002/TB-00-JE-BX00/18
2/B400-PCS-002/TB-00-JE-BX00/20
3/B400-PCS-002/TB-B400-PCS-002/22
1-/B400-PCS-002/TB-00-JE-BX00/24
2/B400-PCS-002/TB-00-JE-BX00/26
2/B400-PCS-002/TB-00-JE-BX00/28
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ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001608

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002317	1.4 Discipline	Instrumental
1.2 Item	C-B400-TDC-001/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003).

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:43:03.571Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T15:43:24.405Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-08

Signature: Digitaly signed by Giovanni Tangianu 2025-04-08T12:45:44.224Z

6- CLEARANCE APPROVAL

Name

Date

Signature


2/B400-PCS-002/TB-00-JE-BX00/4
3/B400-PCS-002/TB-00-JE-BX00/6
1-/B400-PCS-002/TB-00-JE-BX00/8
2/B400-PCS-002/TB-00-JE-BX00/10
2/B400-PCS-002/TB-00-JE-BX00/12
3/B400-PCS-002/TB-00-JE-BX00/14
1-/B400-PCS-002/TB-00-JE-BX00/16
2/B400-PCS-002/TB-00-JE-BX00/18
2/B400-PCS-002/TB-00-JE-BX00/20
3/B400-PCS-002/TB-B400-PCS-002/22
1-/B400-PCS-002/TB-00-JE-BX00/24
2/B400-PCS-002/TB-00-JE-BX00/26
2/B400-PCS-002/TB-00-JE-BX00/28
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ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001609

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002317	1.4 Discipline	Instrumental
1.2 Item	C-B400-TDC-001/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Missing segregation between Intrinsic Safe cables and instrumentation cables

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:55:05.646Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	PRE-COMM	Signature	Digitaly signed by Luca Mussi 2024-12-10T15:55:17.164Z

4 - PERFORMED ACTION

Name

Date: 2025-05-07

Signature

5 - CLEARANCE CHECK

Accepted as per compliance IEC 60079-14:2013 clause 12.2.1.

Name: Giovanni Tangianu

Date: 2025-05-07

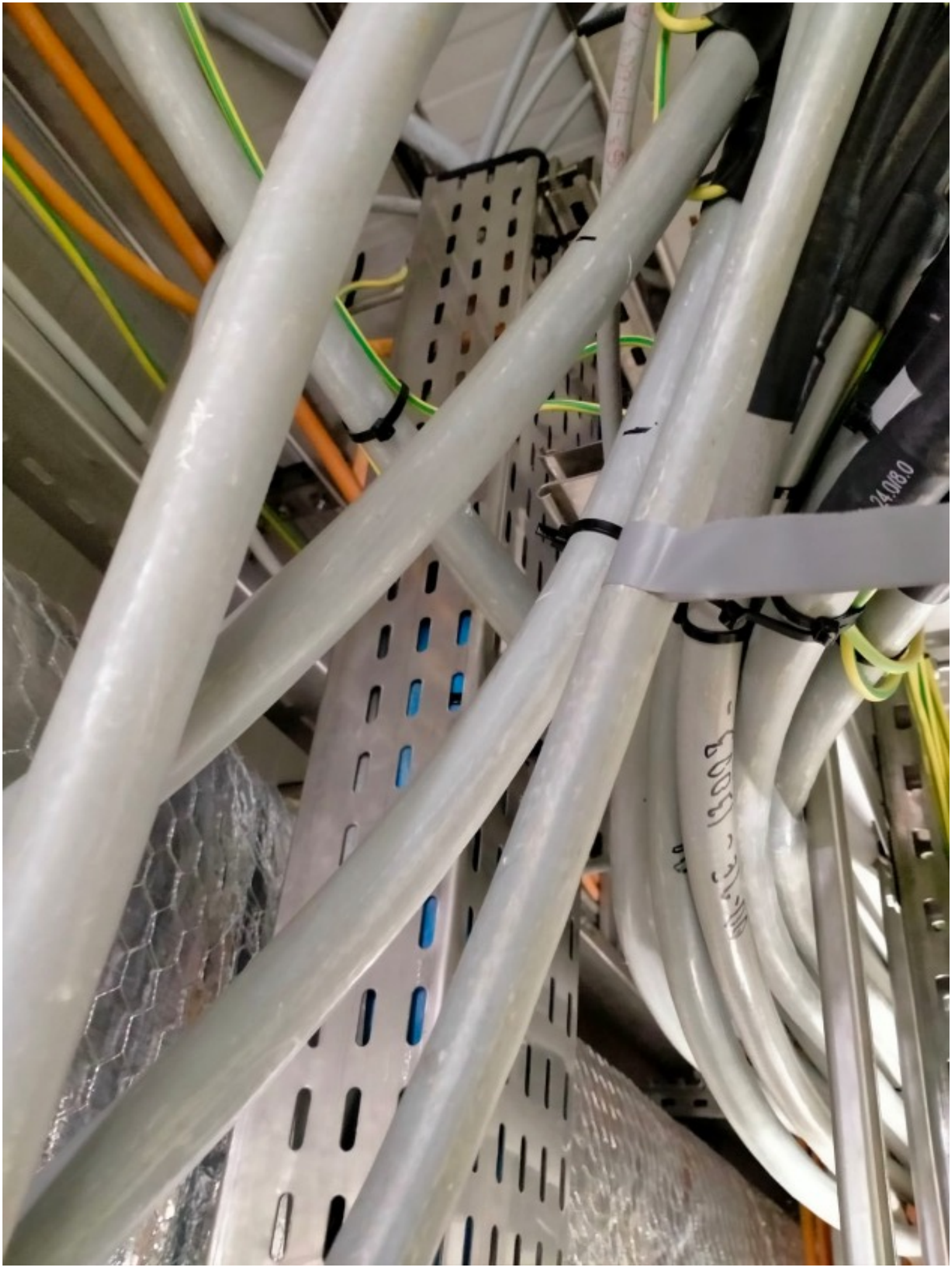
Signature: Digitaly signed by Giovanni Tangianu 2025-05-07T11:45:23.865Z

6- CLEARANCE APPROVAL

Name

Date: 2025-05-07

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001610

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002318	1.4 Discipline	Instrumental
1.2 Item	C-B400-TDC-002/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Missing segregation between Intrinsic Safe cables and instrumentation cables

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:57:50.772Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	PRE-COMM	Signature	Digitaly signed by Luca Mussi 2024-12-10T15:58:02.812Z

4 - PERFORMED ACTION

Name

Date: 2025-05-07

Signature

5 - CLEARANCE CHECK

Accepted as per compliance IEC 60079-14:2013 clause 12.2.1

Name: Giovanni Tangianu

Date: 2025-05-07

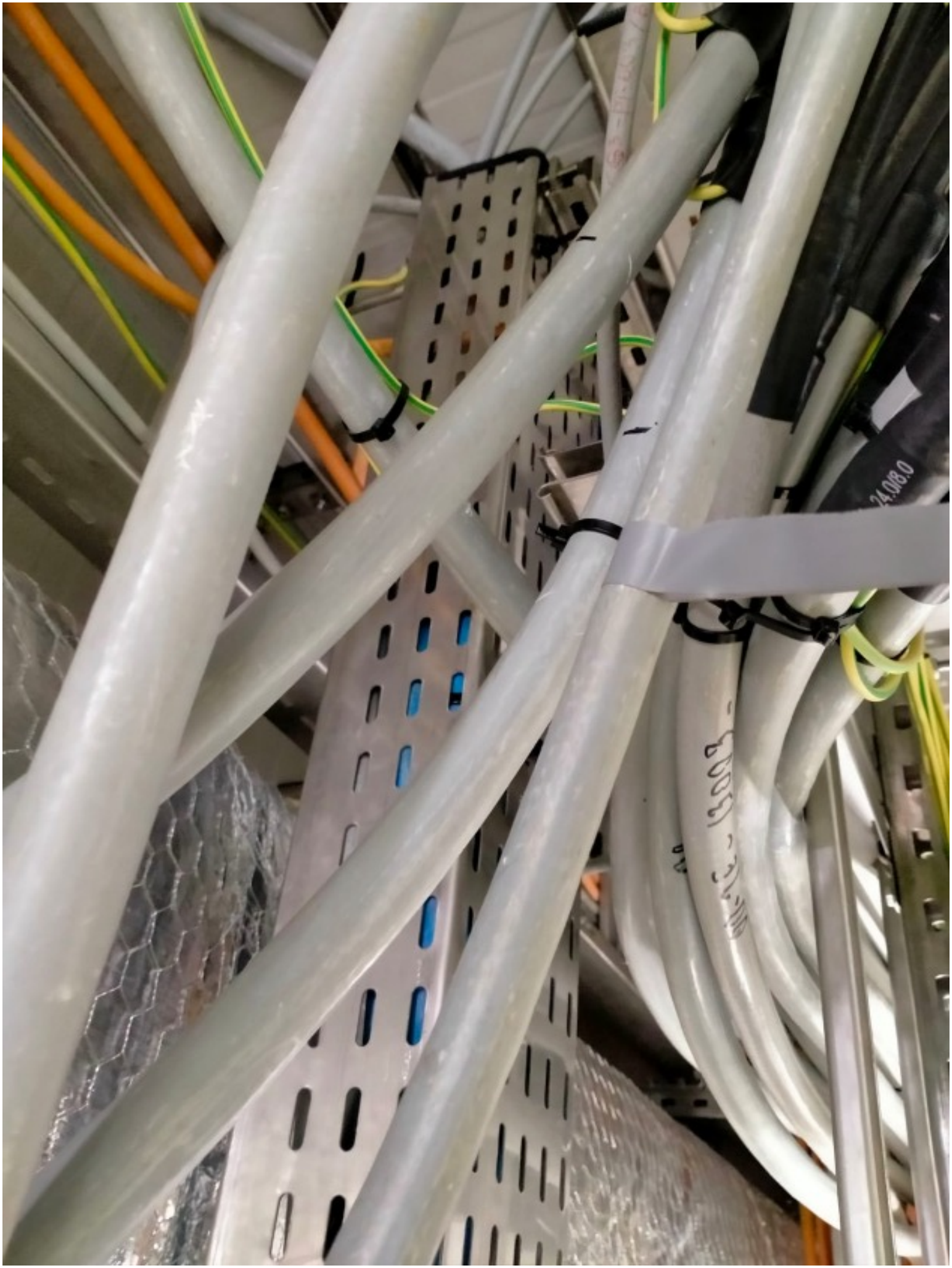
Signature: Digitaly signed by Giovanni Tangianu 2025-05-07T11:45:58.253Z

6- CLEARANCE APPROVAL

Name

Date: 2025-05-07

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001611

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002318	1.4 Discipline	Instrumental
1.2 Item	C-B400-TDC-002/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Panduit is missing inside the panel

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:59:31.794Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T15:59:42.396Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-02-03

Signature: Digitaly signed by Giovanni Tangianu 2025-02-03T10:14:02.723Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001612

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002319	1.4 Discipline	Instrumental
1.2 Item	C-B400-TIR-001/B400-PCS-002	MOTION DETECTOR / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Missing segregation between Intrinsic Safe cables and instrumentation cables

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T16:00:49.488Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	PRE-COMM	Signature	Digitaly signed by Luca Mussi 2024-12-10T16:01:00.553Z

4 - PERFORMED ACTION

Name

Date: 2025-05-07

Signature

5 - CLEARANCE CHECK

Accepted as per compliance IEC 60079-14:2013 clause 12.2.1.

Name: Giovanni Tangianu

Date: 2025-05-07

Signature: Digitaly signed by Giovanni Tangianu 2025-05-07T11:46:28.594Z

6- CLEARANCE APPROVAL

Name

Date: 2025-05-07

Signature

ROSETTI MARINO CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001613

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002319	1.4 Discipline	Instrumental
1.2 Item	C-B400-TIR-001/B400-PCS-002	MOTION DETECTOR / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Panduit is missing inside the panel B400-PCS-002.

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T16:01:37.102Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-10
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-10T16:01:47.163Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

done

Name: Andrea Andreani

Date: 2024-12-18

Signature: Digitaly signed by Andrea Andreani 2024-12-18T17:29:30.370Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001665

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002311	1.4 Discipline	Instrumental
1.2 Item	C-B200-TDC-001/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On instrument side, core identification tags are missing for all wires.

On panel side, core identification tags are not as per Cross-Ferruling Philosophy (123A90-DDL-IN-DG-40015 rev. 01 sheet 003, item 6)

Name: Luca Mussi

Date: 2024-12-11

Signature: Digitaly signed by Luca Mussi 2024-12-11T15:52:20.132Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-11
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-11T15:52:31.407Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-08

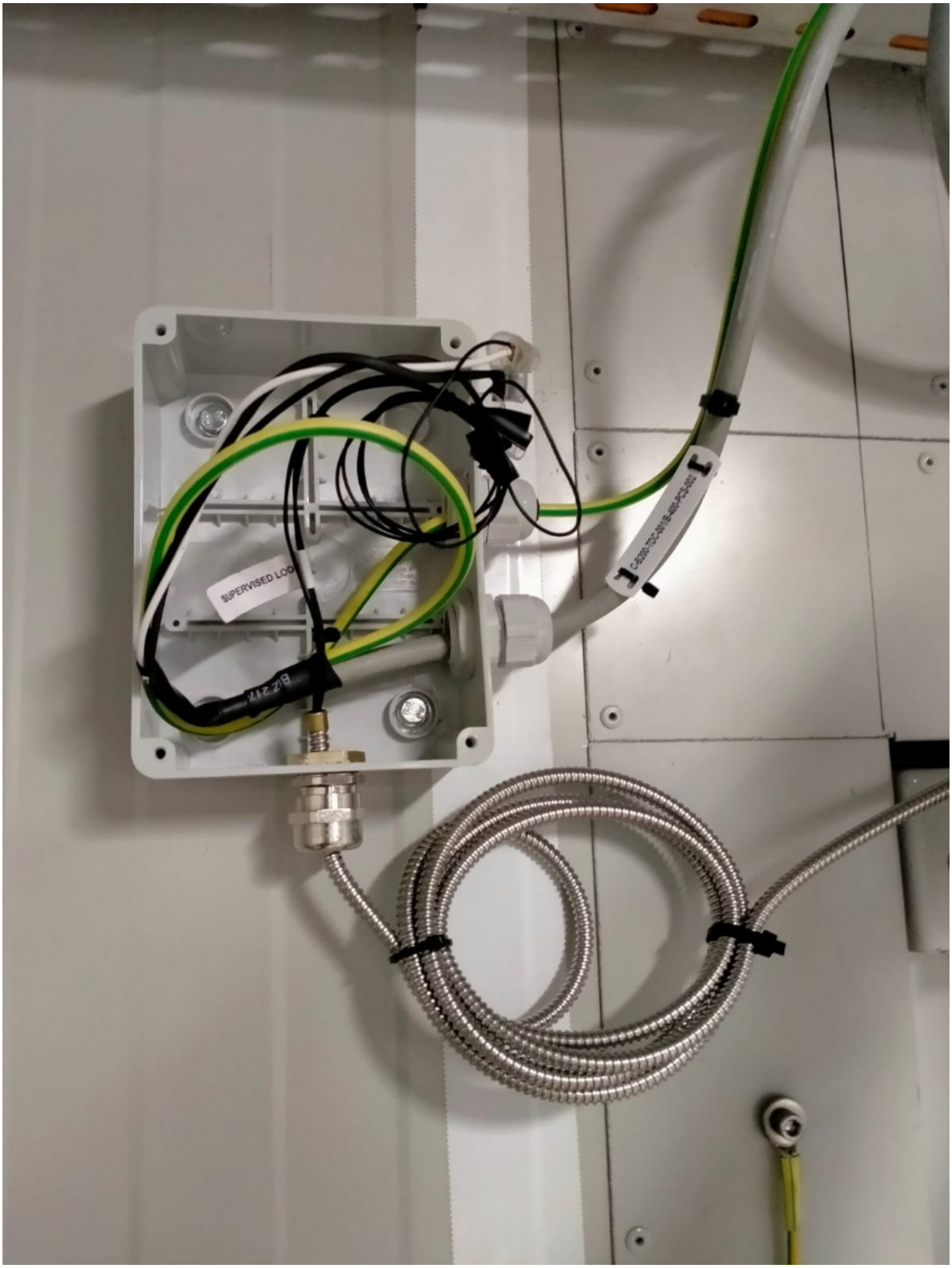
Signature: Digitaly signed by Giovanni Tangianu 2025-04-08T12:47:36.565Z

6- CLEARANCE APPROVAL

Name

Date

Signature


SUPERVISED LOO

1/B400-PCS-002/TB-00-JE-BX00/9
2/B400-PCS-002/TB-00-JE-BX00/10

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001666

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002312	1.4 Discipline	Instrumental
1.2 Item	C-B200-TDC-002/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On instrument side, core identification tags are missing for all wires.

On panel side, core identification tags are not as per Cross-Ferruling Philosophy (123A90-DDL-IN-DG-40015 rev. 01 sheet 003, item 6).

Name: Luca Mussi

Date: 2024-12-11

Signature: Digitaly signed by Luca Mussi 2024-12-11T15:55:52.575Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-11
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-11T15:56:05.825Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-08

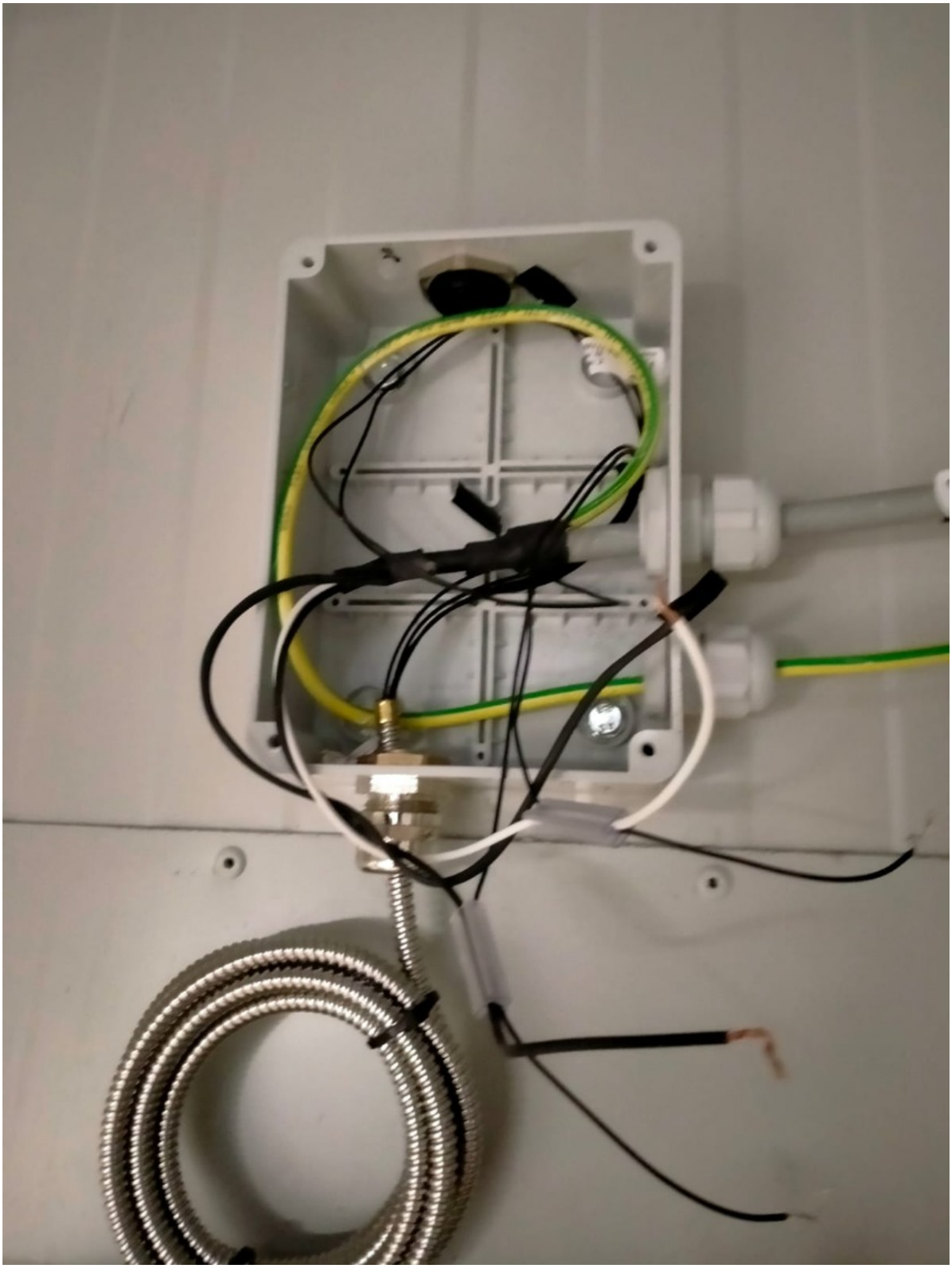
Signature: Digitaly signed by Giovanni Tangianu 2025-04-08T12:47:46.831Z

6- CLEARANCE APPROVAL

Name

Date

Signature




1/B400-PCS-002/TB-00-JE-BX00/11
2/B400-PCS-002/TB-00-JE-BX00/12
1/B400-PCS-002/TB-00-JE-BX00/25
2/B400-PCS-002/TB-00-JE-BX00/24

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001667

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002313	1.4 Discipline	Instrumental
1.2 Item	C-B200-TIR-001/B400-PCS-002	MOTION DETECTOR / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On instrument side, core identification tags are missing for all wires.

On panel side, core identification tags are not as per Cross-Ferruling Philosophy (123A90-DDL-IN-DG-40015 rev. 01 sheet 003, item 6).

Name: Luca Mussi

Date: 2024-12-11

Signature: Digitaly signed by Luca Mussi 2024-12-11T15:57:48.259Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-11
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-11T15:58:01.458Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-08

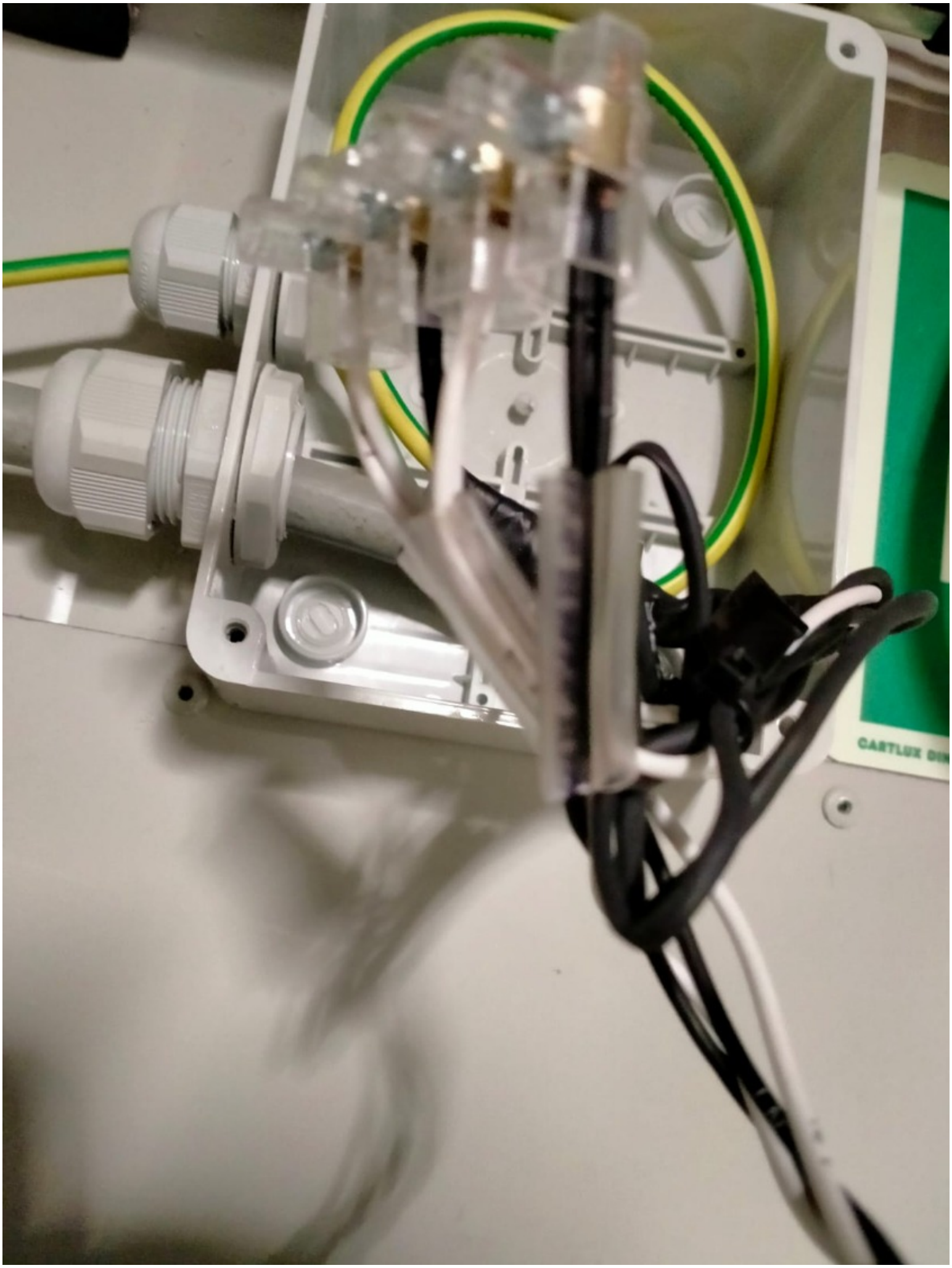
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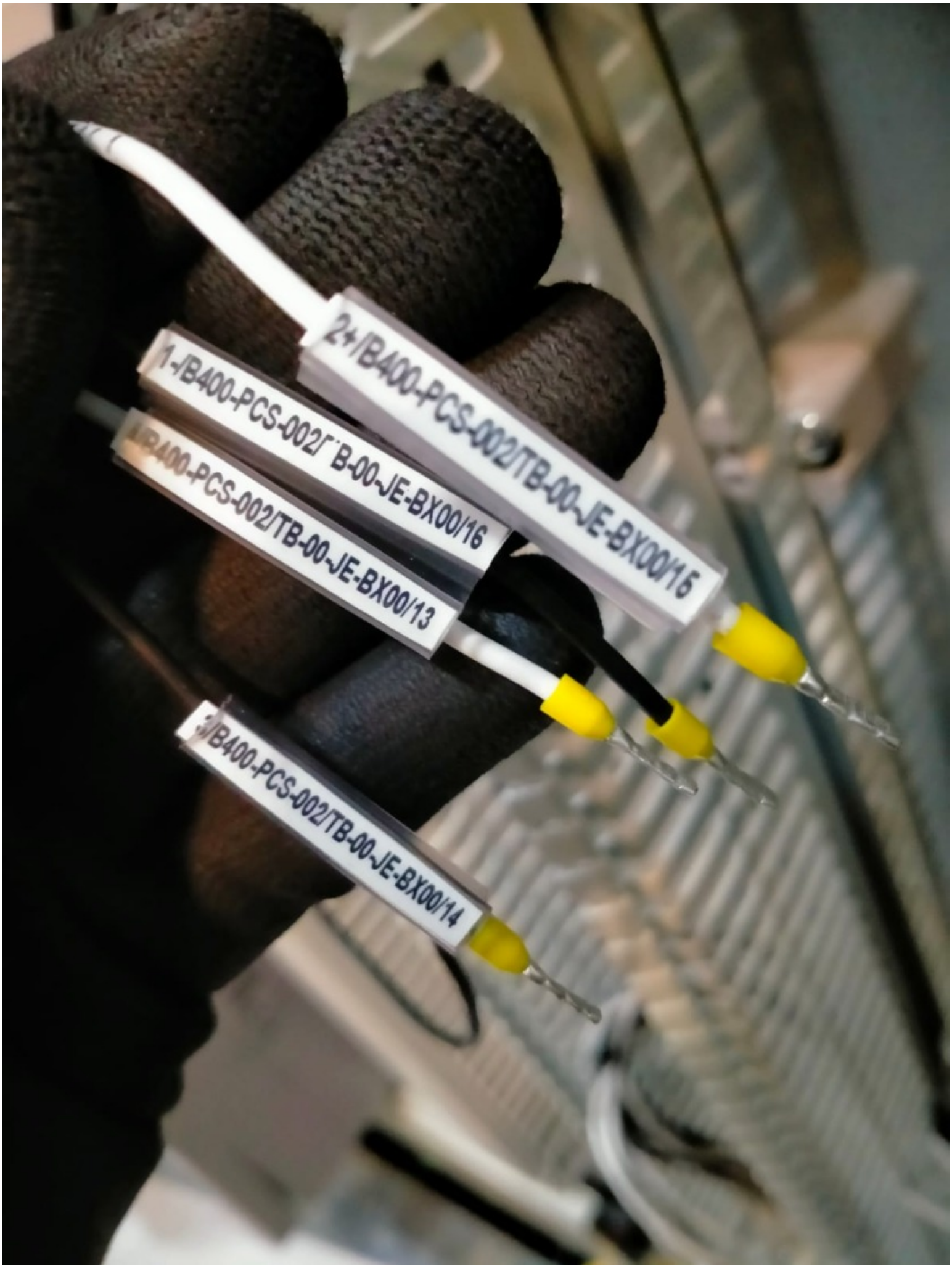
6- CLEARANCE APPROVAL

Name

Date

Signature




2+/B400-PCS-002/TB-00-JE-BX00/15
1-/B400-PCS-002/TB-00-JE-BX00/16
B400-PCS-002/TB-00-JE-BX00/13
3/B400-PCS-002/TB-00-JE-BX00/14

ROSETTI MARINO CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001668

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002331	1.4 Discipline	Instrumental
1.2 Item	B200-TDC-001	Proximity Switch (B-200)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-11

Signature: Digitaly signed by Luca Mussi 2024-12-11T16:00:35.283Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-11
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-11T16:00:48.448Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Done

Name: Gabriele Bertuccelli

Date: 2025-02-03

Signature: Digitaly signed by Gabriele Bertuccelli 2025-02-03T16:25:09.110Z

6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001697

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002332	1.4 Discipline	Instrumental
1.2 Item	B200-TDC-002	Proximity Switch (B-200)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-11

Signature: Digitaly signed by Luca Mussi 2024-12-11T17:52:45.432Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-11
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-11T17:53:00.564Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Done

Name: Gabriele Bertuccelli

Date: 2025-02-03

Signature: Digitaly signed by Gabriele Bertuccelli 2025-02-03T16:25:29.751Z

6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001699

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002333	1.4 Discipline	Instrumental
1.2 Item	B200-TIR-001	Motion Detector (B-200)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-11

Signature: Digitaly signed by Luca Mussi 2024-12-11T17:54:42.551Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-11
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-11T17:54:56.443Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto

Date: 2025-01-02

Signature: Digitaly signed by Eleonora Carotenuto 2025-01-02T16:22:11.996Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001721

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002308	1.4 Discipline	Instrumental
1.2 Item	C-B100-TDC-001/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On instrument side, core identification tags are missing for all wires.

On panel side, core identification tags are not as per Cross-Ferruling Philosophy (123A90-DDL-IN-DG-40015 rev. 01 sheet 003, item 6).

Name: Luca Mussi

Date: 2024-12-12

Signature: Digitaly signed by Luca Mussi 2024-12-12T13:11:02.931Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-12
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-12T13:11:15.656Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-11

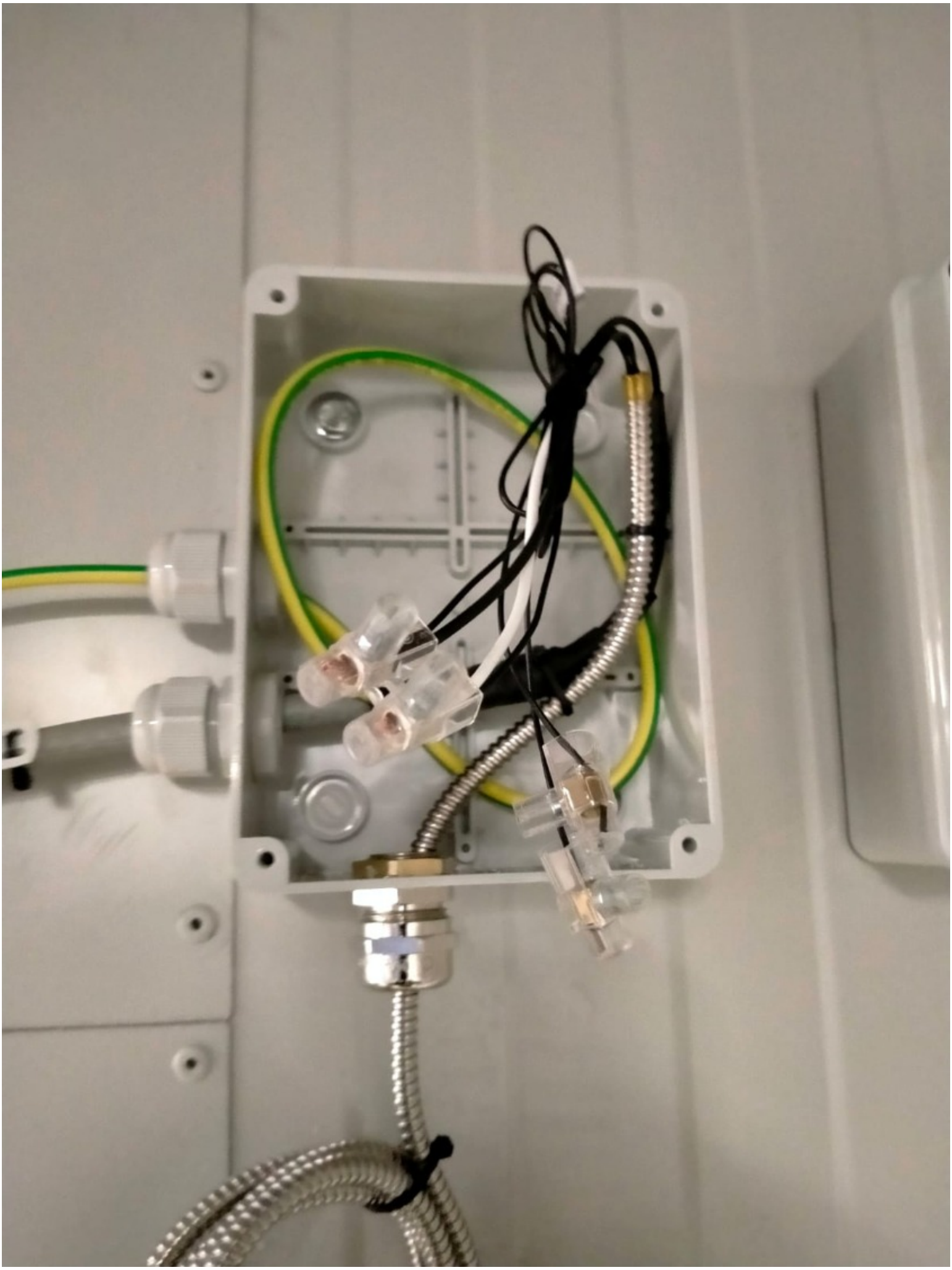
Signature: Digitaly signed by Giovanni Tangianu 2025-04-11T06:55:57.224Z

6- CLEARANCE APPROVAL

Name

Date

Signature




2/B400-PCS-002/TB-00-JE-BX00/10
2/B400-PCS-002/TB-00-JE-BX00/12
2/B400-PCS-002/TB-00-JE-BX00/14
2/B400-PCS-002/TB-00-JE-BX00/18
2/B400-PCS-002/TB-00-JE-BX00/20
3/B400-PCS-002/TB-B400-PCS-002/22
1/B400-PCS-002/TB-00-JE-BX00/26
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ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001722

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002308	1.4 Discipline	Instrumental
1.2 Item	C-B100-TDC-001/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On instrument side, core labelling is not as per Cable identification (C-B100-TDC-001/B-400-PCS-022 instead of C-B100-TDC-001/B400-PCS-002).

Name: Luca Mussi

Date: 2024-12-12

Signature: Digitaly signed by Luca Mussi 2024-12-12T13:13:19.154Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-12
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-12T13:13:30.098Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-01-31

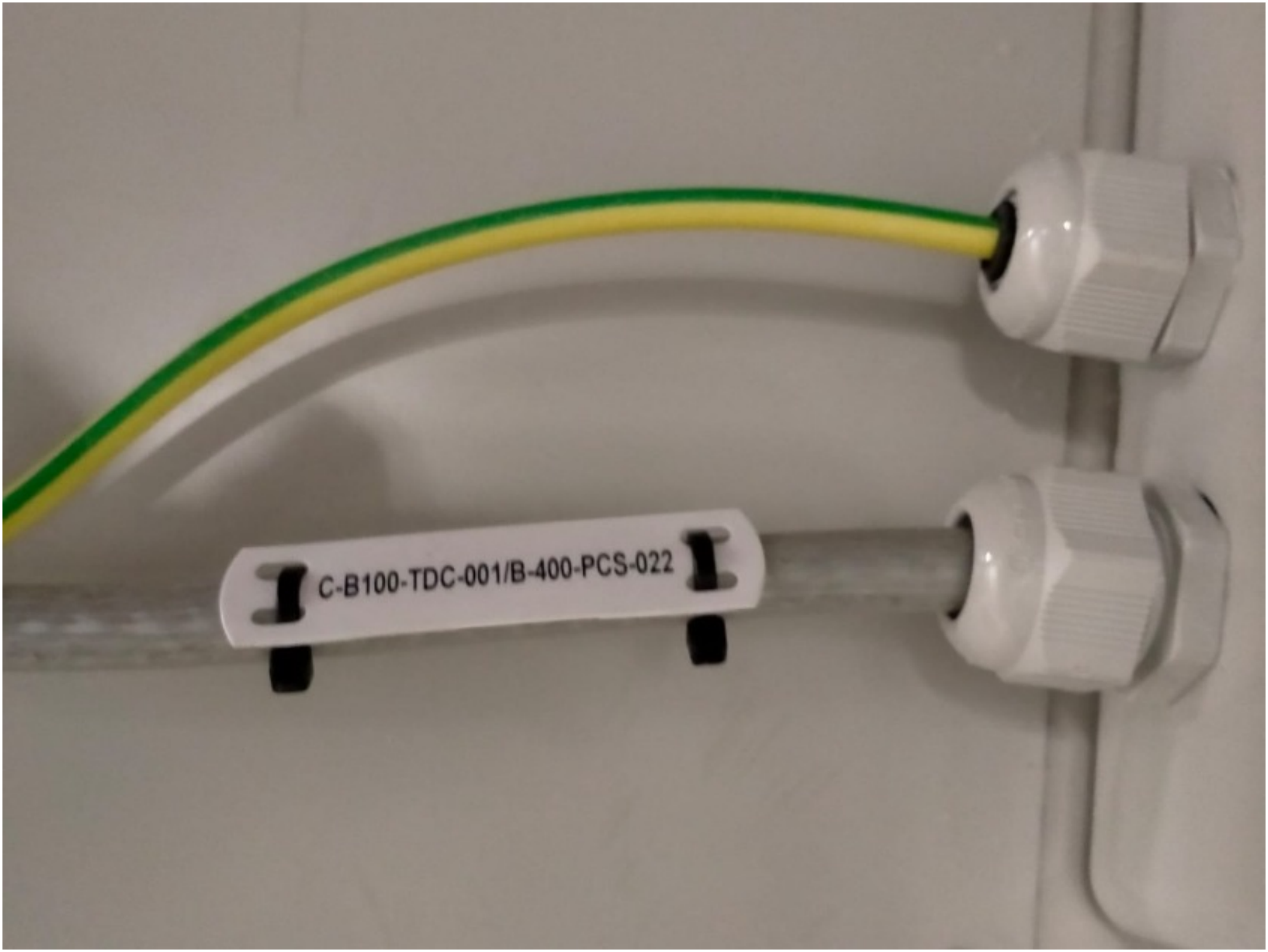
Signature: Digitaly signed by Giovanni Tangianu 2025-01-31T10:49:25.870Z

6- CLEARANCE APPROVAL

Name

Date

Signature


C-B100-TDC-001/B-400-PCS-022

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001723

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002309	1.4 Discipline	Instrumental
1.2 Item	C-B100-TDC-002/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On instrument side, core identification tags are missing for all wires.

On panel side, core identification tags are not as per Cross-Ferruling Philosophy (123A90-DDL-IN-DG-40015 rev. 01 sheet 003, item 6).

Name: Luca Mussi

Date: 2024-12-12

Signature: Digitaly signed by Luca Mussi 2024-12-12T13:17:53.168Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-12
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-12T13:18:04.031Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-11

Signature: Digitaly signed by Giovanni Tangianu 2025-04-11T06:56:12.825Z

6- CLEARANCE APPROVAL

Name

Date

Signature


C-B106-TDC-0018-400-PCS-M1


TB-00-JE-BX00
2/B400-PCS-002/TB-00-JE-BX00/2
2/B400-PCS-002/TB-00-JE-BX00/4
2/B400-PCS-002/TB-00-JE-BX00/10
2/B400-PCS-002/TB-00-JE-BX00/14
1/B400-PCS-002/TB-00-JE-BX00/26

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001724

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002310	1.4 Discipline	Instrumental
1.2 Item	C-B100-TIR-001/B400-PCS-002	MOTION DETECTOR / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On instrument side, core identification tags are missing for all wires.

On panel side, core identification tags are not as per Cross-Ferruling Philosophy (123A90-DDL-IN-DG-40015 rev. 01 sheet 003, item 6).

Name: Luca Mussi

Date: 2024-12-12

Signature: Digitaly signed by Luca Mussi 2024-12-12T13:21:29.277Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-12
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-12T13:21:41.200Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-08

Signature: Digitaly signed by Giovanni Tangianu 2025-04-08T12:49:33.724Z

6- CLEARANCE APPROVAL

Name

Date

Signature




2/B400-PCS-002/TB-00-JE-BX00/10
2/B400-PCS-002/TB-00-JE-BX00/12
2/B400-PCS-002/TB-00-JE-BX00/14
2/B400-PCS-002/TB-00-JE-BX00/18
2/B400-PCS-002/TB-00-JE-BX00/20
3/B400-PCS-002/TB-B400-PCS-002/22
1/B400-PCS-002/TB-00-JE-BX00/26
7
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ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001728

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002328	1.4 Discipline	Instrumental
1.2 Item	B100-TDC-001	Proximity Switch (B-100)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing

Name: Luca Mussi

Date: 2024-12-12

Signature: Digitaly signed by Luca Mussi 2024-12-12T13:35:25.706Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-12
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-12T13:35:39.427Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto

Date: 2025-01-31

Signature: Digitaly signed by Eleonora Carotenuto 2025-01-31T09:54:07.726Z

6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001730

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002329	1.4 Discipline	Instrumental
1.2 Item	B100-TDC-002	Proximity Switch (B-100)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing.

Name: Luca Mussi

Date: 2024-12-12

Signature: Digitaly signed by Luca Mussi 2024-12-12T13:38:58.547Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-12
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-12T13:39:11.084Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Done

Name: Gabriele Bertuccelli

Date: 2025-02-03

Signature: Digitaly signed by Gabriele Bertuccelli 2025-02-03T16:24:50.087Z

6- CLEARANCE APPROVAL

Name

Date

Signature


CHARGER 2

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001732

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002330	1.4 Discipline	Instrumental
1.2 Item	B100-TIR-001	Motion Detector (B-100)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Identification tag is missing.

Name: Luca Mussi

Date: 2024-12-12

Signature: Digitaly signed by Luca Mussi 2024-12-12T13:40:09.416Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-12
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-12T13:40:20.830Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto

Date: 2025-01-02

Signature: Digitaly signed by Eleonora Carotenuto 2025-01-02T16:22:48.611Z

6- CLEARANCE APPROVAL

Name

Date

Signature



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001790

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002317	1.4 Discipline	Instrumental
1.2 Item	C-B400-TDC-001/B400-PCS-002	PROXIMITY SWITCH / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

Panduits are missing on both inside and outside of the panel.

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T15:53:26.205Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T07:42:59.056Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-02-03

Signature: Digitaly signed by Giovanni Tangianu 2025-02-03T10:14:14.422Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001791

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002319	1.4 Discipline	Instrumental
1.2 Item	C-B400-TIR-001/B400-PCS-002	MOTION DETECTOR / MARSHALLING PCS	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

On panel side, core identification tags are not as per Philosophy of Cross-Ferruling (123A90-DDL-IN-DG-40015 rev 01 sheet 003)

Name: Luca Mussi

Date: 2024-12-10

Signature: Digitaly signed by Luca Mussi 2024-12-10T16:01:13.232Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T07:43:17.987Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-08

Signature: Digitaly signed by Giovanni Tangianu 2025-04-08T12:50:13.494Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001798

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002328	1.4 Discipline	Instrumental
1.2 Item	B100-TDC-001	Proximity Switch (B-100)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

(Opend during WD) Metallic cable of the magnetic contact to be properly fixed.

Name: Luca Mussi

Date: 2024-12-13

Signature: Digitaly signed by Luca Mussi 2024-12-13T09:47:35.567Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T09:48:10.307Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-11

Signature: Digitaly signed by Alessio Polo 2025-02-11T12:28:55.172Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001799

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002329	1.4 Discipline	Instrumental
1.2 Item	B100-TDC-002	Proximity Switch (B-100)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

(Opend during WD) Metallic cable of the magnetic contact to be properly fixed.

Name: Luca Mussi

Date: 2024-12-13

Signature: Digitaly signed by Luca Mussi 2024-12-13T09:50:30.457Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T09:50:42.876Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Josip Krizanic

Date: 2025-03-04

Signature: Digitaly signed by Josip Krizanic 2025-03-04T14:15:38.907Z

6- CLEARANCE APPROVAL

Name

Date

Signature

EXIT

ROSETTI MARINO CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001800

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002331	1.4 Discipline	Instrumental
1.2 Item	B200-TDC-001	Proximity Switch (B-200)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

(Opend during WD) Metallic cable of the magnetic contact to be properly fixed.

Name: Luca Mussi

Date: 2024-12-13

Signature: Digitaly signed by Luca Mussi 2024-12-13T09:51:19.749Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T09:51:32.681Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-11

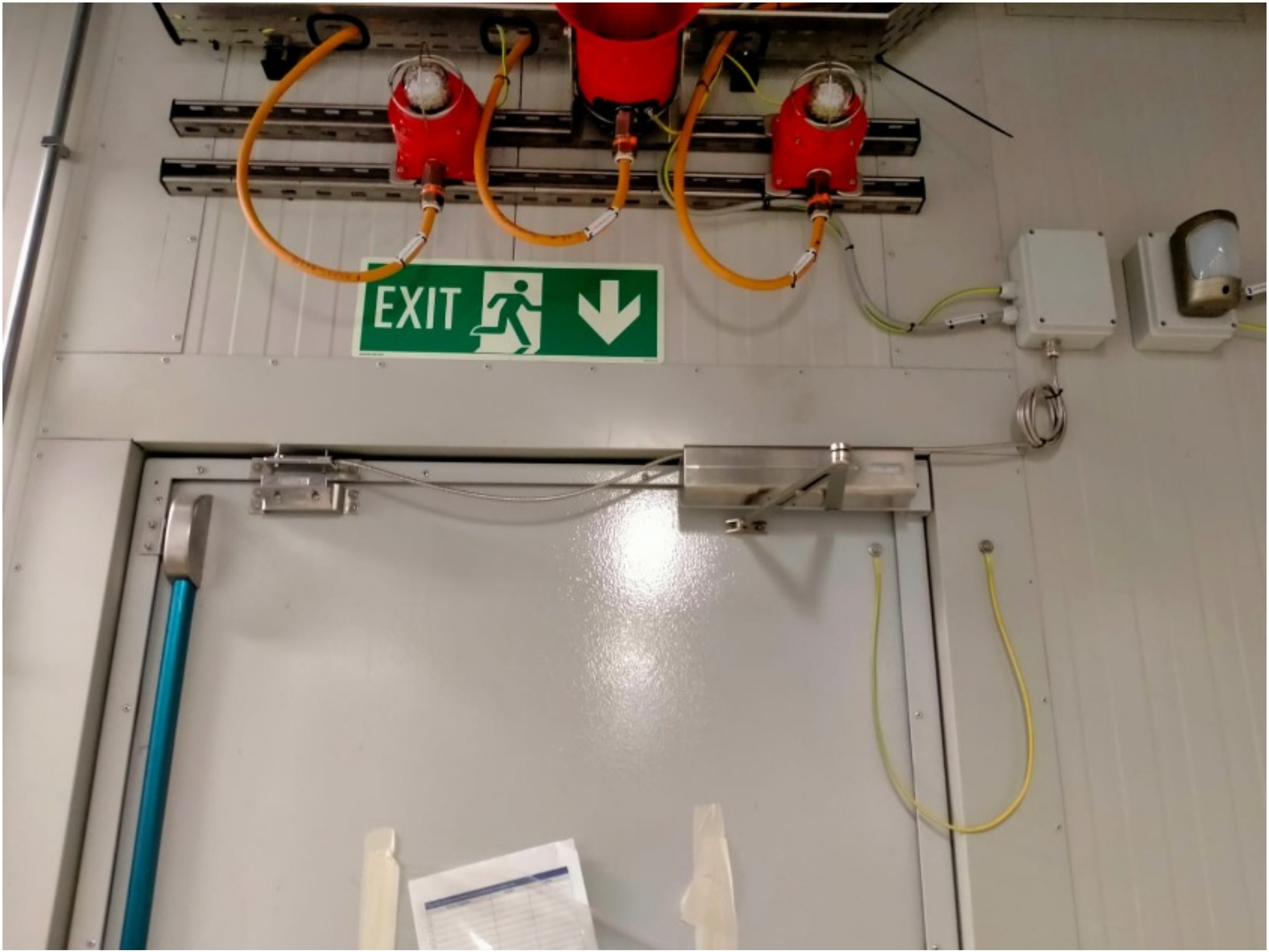
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6- CLEARANCE APPROVAL

Name

Date

Signature


EXIT

ROSETTI MARINO CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001801

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002332	1.4 Discipline	Instrumental
1.2 Item	B200-TDC-002	Proximity Switch (B-200)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

(Opend during WD) Metallic cable of the magnetic contact to be properly fixed.

Name: Luca Mussi

Date: 2024-12-13

Signature: Digitaly signed by Luca Mussi 2024-12-13T09:52:01.515Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T09:52:12.346Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-11

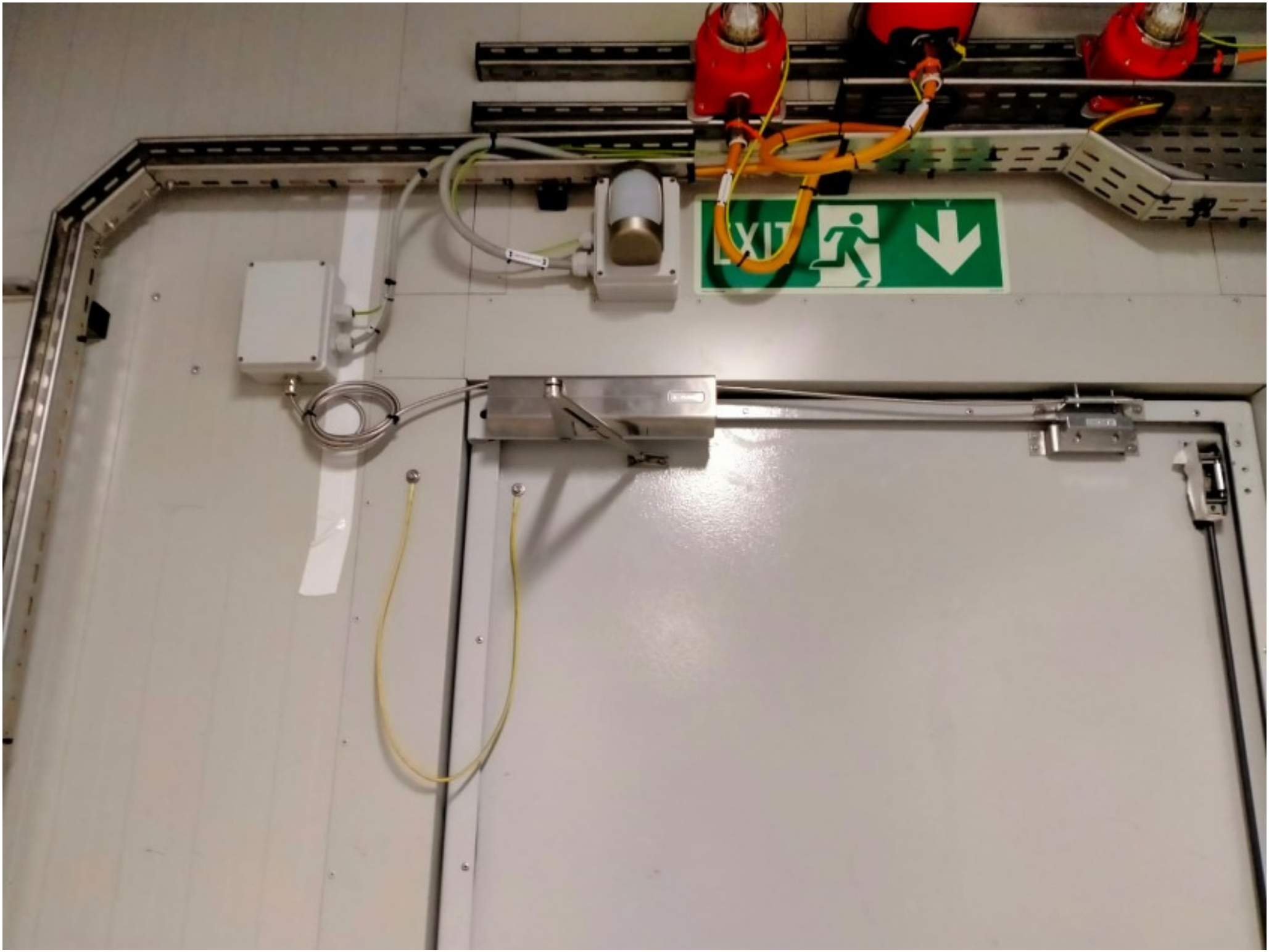
Signature: Digitaly signed by Alessio Polo 2025-02-11T12:29:17.962Z

6- CLEARANCE APPROVAL

Name

Date

Signature


EXIT

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001802

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002334	1.4 Discipline	Instrumental
1.2 Item	B300-TDC-001	Proximity Switch (B-300)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

(Opend during WD) Metallic cable of the magnetic contact to be properly fixed.

Name: Luca Mussi

Date: 2024-12-13

Signature: Digitaly signed by Luca Mussi 2024-12-13T09:52:49.223Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T09:53:00.982Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-11

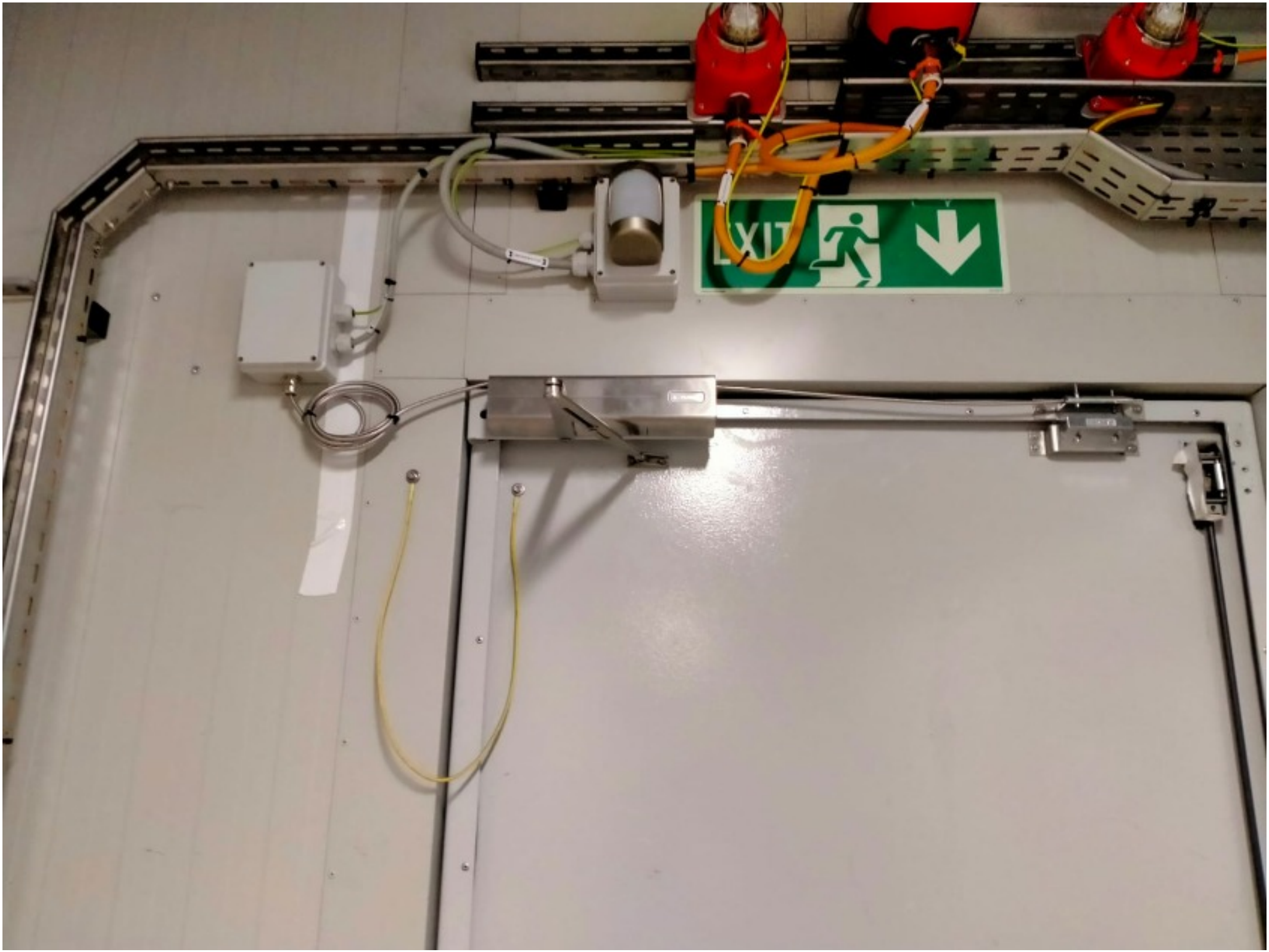
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6- CLEARANCE APPROVAL

Name

Date

Signature


EXIT

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001803

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002335	1.4 Discipline	Instrumental
1.2 Item	B300-TDC-002	Proximity Switch (B-300)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

(Opend during WD) Metallic cable of the magnetic contact to be properly fixed.

Name: Luca Mussi

Date: 2024-12-13

Signature: Digitaly signed by Luca Mussi 2024-12-13T09:53:39.791Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T09:53:53.674Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-11

Signature: Digitaly signed by Alessio Polo 2025-02-11T12:29:34.975Z

6- CLEARANCE APPROVAL

Name

Date

Signature


EXIT

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001804

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002337	1.4 Discipline	Instrumental
1.2 Item	B400-TDC-001	Proximity Switch (B-400)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

(Opend during WD) Metallic cable of the magnetic contact to be properly fixed.

Name: Luca Mussi

Date: 2024-12-13

Signature: Digitaly signed by Luca Mussi 2024-12-13T09:54:14.248Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T09:54:26.763Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-11

Signature: Digitaly signed by Alessio Polo 2025-02-11T12:29:44.223Z

6- CLEARANCE APPROVAL

Name

Date

Signature

ROSETTI MARINO CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001805

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002338	1.4 Discipline	Instrumental
1.2 Item	B400-TDC-002	Proximity Switch (B-400)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

(Opend during WD) Metallic cable of the magnetic contact to be properly fixed.

Name: Luca Mussi

Date: 2024-12-13

Signature: Digitaly signed by Luca Mussi 2024-12-13T09:54:48.902Z

3 - DEFECT ASSESSMENT

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T09:55:11.470Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-11

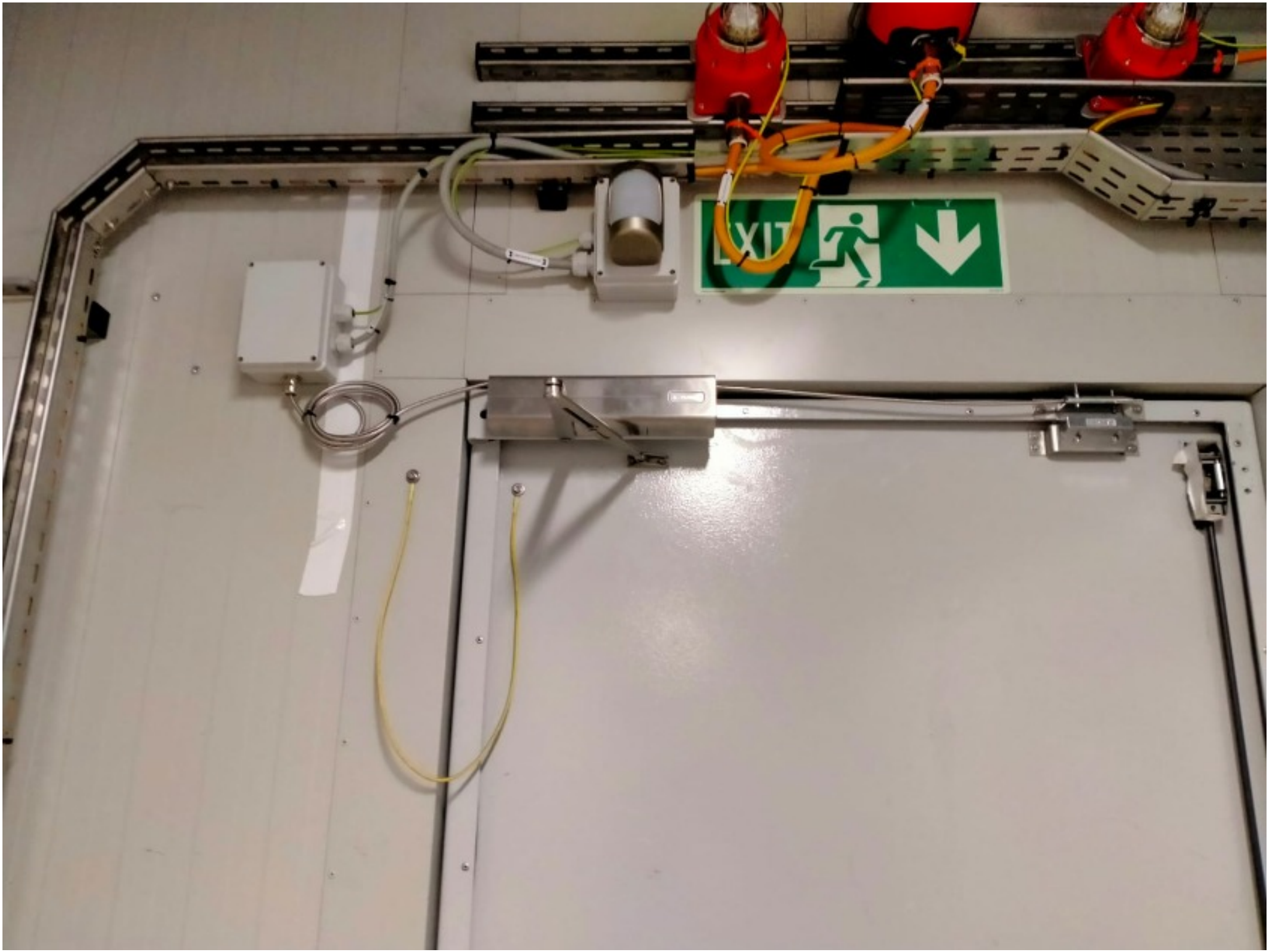
Signature: Digitaly signed by Alessio Polo 2025-02-11T12:29:53.662Z

6- CLEARANCE APPROVAL

Name

Date

Signature


EXIT

ROSETTI MARINO CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30001806

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002334	1.4 Discipline	Instrumental
1.2 Item	B300-TDC-001	Proximity Switch (B-300)	
1.3 Subsystem	87-20	Process Control System (PCS) - Instrumentation	

2 - OBSERVATION

(Opend during WD) Metallic cable of the magnetic contact to be properly fixed.

Name: Luca Mussi

Date: 2024-12-13

Signature: Digitaly signed by Luca Mussi 2024-12-13T09:56:06.857Z

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Luca Mussi
3.4 Activity code	MC Mechanical Completion	Date	2024-12-13
3.5 Action by	RM_CONSTR RM	Signature	Digitaly signed by Luca Mussi 2024-12-13T09:56:17.943Z

4 - PERFORMED ACTION

Name

Date

Signature

5 - CLEARANCE CHECK

DONE

Name: Josip Krizanic

Date: 2025-03-04

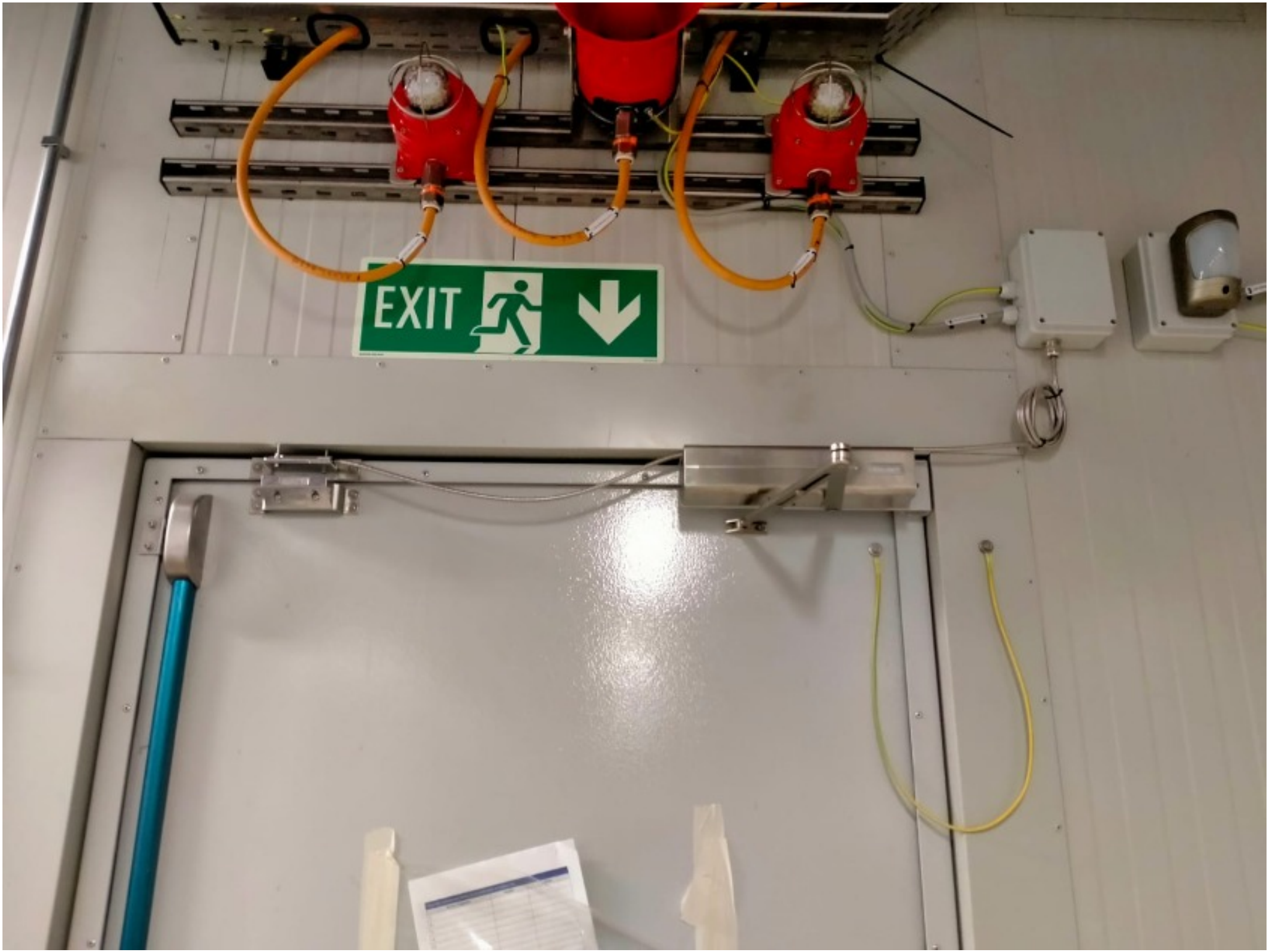
Signature: Digitaly signed by Josip Krizanic 2025-03-04T14:15:50.521Z

6- CLEARANCE APPROVAL

Name

Date

Signature


EXIT

Section 4 FUNCTIONAL TESTS SHEETS

Section 4.1 Electrical functional test sheets index

NOT APPLICABLE

Section 4.2 Electrical
“As-Commissioned” interconnection diagrams

NOT APPLICABLE

Section 4.3 Instrumentation functional test sheets index

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 87-20 & discipline : I

Instrumental	87-20 Process Control System (PCS) - Instrumentation						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
B100-TDC-001	Proximity Switch (B-100)	ONSHORE	C10003190	FJ01D	100	2025-01-28	RFO 1
B100-TDC-002	Proximity Switch (B-100)	ONSHORE	C10003191	FJ01D	100	2025-01-28	RFO 1
B100-TIR-001	Motion Detector (B-100)	ONSHORE	C10003192	FJ01D	100	2025-01-28	RFO 1
B200-TDC-001	Proximity Switch (B-200)	ONSHORE	C10003193	FJ01D	100	2025-01-28	RFO 1
B200-TDC-002	Proximity Switch (B-200)	ONSHORE	C10003194	FJ01D	100	2025-01-28	RFO 1
B200-TIR-001	Motion Detector (B-200)	ONSHORE	C10003195	FJ01D	100	2025-01-28	RFO 1
B300-TDC-001	Proximity Switch (B-300)	ONSHORE	C10003196	FJ01D	100	2025-01-28	RFO 1
B300-TDC-002	Proximity Switch (B-300)	ONSHORE	C10003197	FJ01D	100	2025-01-28	RFO 1
B300-TIR-001	Motion Detector (B-300)	ONSHORE	C10003198	FJ01D	100	2025-01-28	RFO 1
B400-TDC-001	Proximity Switch (B-400)	ONSHORE	C10003199	FJ01D	100	2025-01-28	RFO 1
B400-TDC-002	Proximity Switch (B-400)	ONSHORE	C10003200	FJ01D	100	2025-01-28	RFO 1
B400-TIR-001	Motion Detector (B-400)	ONSHORE	C10003201	FJ01D	100	2025-01-28	RFO 1

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B100-TDC-001	: Proximity Switch (B-100)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-100	
TASK	code	C10003190	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B100-TDC-001				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	01A/01B		Slot	05	Rack	04	Chanel 01

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	Yes	OK
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control		Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	Yes	NA	OK	OK
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

Page 1/1

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM.COM	CW OPS
Name	Sarr Babacar	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Sarr Babacar 2025-01-27T07:38:28.407Z

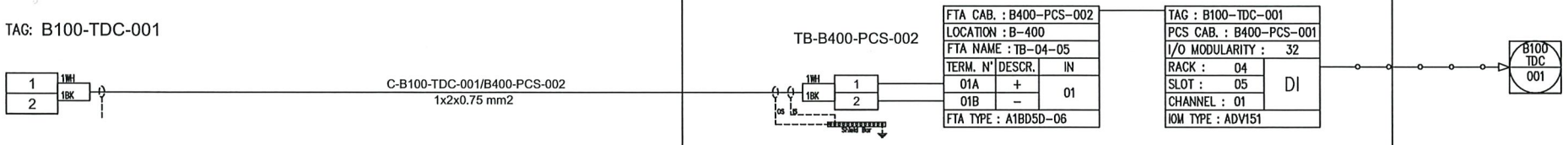
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PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:42:52.867Z

Signature			

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
Logfam
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV.: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B100-TDC-001
B-100 HV/MV SWGR ROOM PRIMARY DOOR OPEN

CONTRACT NO./TITLE CONTRACT_NO. | SCALE 1:1
DRAWN: VBA | CHECKED: LCA | APPROVED: DLO | DATE 23/10/2024
A3 | DRAWING NO. 123A90-DDL-IN-DG-40014 | SHEET 063 | REV. 01

File Name : 123A90-DDL-IN-DG-40014_REV.01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B100-TDC-002	: Proximity Switch (B-100)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-100	
TASK	code	C10003191	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B100-TDC-001				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No		Energy by system	Yes
Marshalling	B400-PCS-002	Terminal	02A/02B		Slot	05	Rack	04	Chanel 02

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	Yes	OK
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control			Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	Yes	NA	OK	OK
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

Page 1/1

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:26:42.043Z

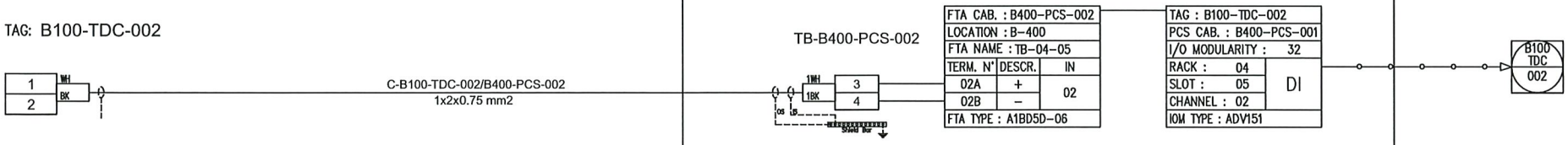
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PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:44:35.943Z

Signature			

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B100–TDC–002
B–100 HV/MV SWGR ROOM EMERGENCY DOOR OPEN

CONTRACT NO./TITLE CONTRACT_NO. | SCALE 1:1

DRAWN: VBA | CHECKED: LCA | APPROVED: DLO | DATE 23/10/2024

A3 | DRAWING NO. 123A90–DDL–IN–DG–40014 | SHEET 064 | REV. 01

File Name : 123A90-DDL-IN-DG-40014_REV.01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B100-TIR-001	: Motion Detector (B-100)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-100	
TASK	code	C10003192	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B100-TIR-001				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	03A/03B		Slot	05	Rack	04	Chanel 03

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	NA	NA
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control			Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	NA	NA	NA	NA
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:22:37.229Z

PROVERLIS Digitaly signed by Giandonato Delmissier 2025-01-27T14:59:08.558Z

PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:45:15.137Z

Signature			

6931P

Mini outdoor motion sensor, Dual Technology, 24 GHz

Dual Technology outdoor motion sensor

The Mini Dual variants are outdoor motion sensors and alarm triggers that use two independent passive infrared detectors plus a microwave sensor module. All three sensors must trigger to cause the detector to signal an alarm. They use triple detection technology to deliver precise, reliable presence detection.

Easy and quick to install

Programmable options include a variable pulse count and LED able/disable functionality. Moreover, the integral dual-axis tilt sensor allows 90º of pan and 45º of tilt, which increases the speed of the outdoor installation and provides incredibly accurate aiming of the detection pattern.

Aesthetics and hidden sensor module

The design has a neat appearance that gives no visible indication of the orientation of the detector head and totally hides the wiring. It blends smoothly into residential outdoor applications.



Details

- New outdoor family containing wired PIR, 2 Dual Technology variants and wireless PIR
- Attractive aesthetics
- 14 to 70º detection angle
- 90º pan & 45º tilt for flexible installation
- Sensor module is hidden
- High dust and humidity resistance (IP65)
- 5 years warranty

6931P

Mini outdoor motion sensor, Dual Technology, 24 GHz

Technical specifications

General

Technology	Dual
Application type	Wall mount
Anti masking	No
Pet immune	No
Camera	No
Processor	Digital microprocessor with nonvolatile memory

Detection

Max. detection range	15 m
Detection range	14 to 70° detection angle, 15 x 13 m
No. of curtains	21
Vertical optical axis adjustment	45° tilt
Horizontal optical axis adjustment	90° pan
Microwave frequency (nom.)	24 GHz
Undercrawl protection	No
Fresnel lens	20 zones for each detection element, which can be masked with the curtain sliders
Microwave module	X-band radar 24 GHz
Customized optics	Double silicon shielded quad element eliminates 50,000 lux of white light
Pulse count	1 or 2

Wired / wireless

Wired-wireless	Wired

Inputs / outputs

Alarm relay characteristic	NC, volt free relay, signal contact 24 VAC/DC @ 50 mA with an integral 25 Ohm series resistor
Outputs	Silent, solid state, magnetically immune. PIR AND Microwave

Electrical

Power supply value	10 to 15 VDC
Current consumption	8 mA (12 V nominal)

Physical

Physical dimensions	71 x 120 x 75 mm (W x H x D)
Net weight	225 g
Shipping weight	325 g
Colour	Bronze
Material	High impact ABS plastic with HDPE cover, UV stabilized
Mounting height	3 to 6 m
Mounting height	Variable up to 6 m / Optimum height 3 m for full range

Environmental

Operating temperature	-30 to +65°C
Environment	Outdoor
IP rating	IP65
Temperature compensation	Analogue (thermistor) and digital sensitivity adjustment

LED indication

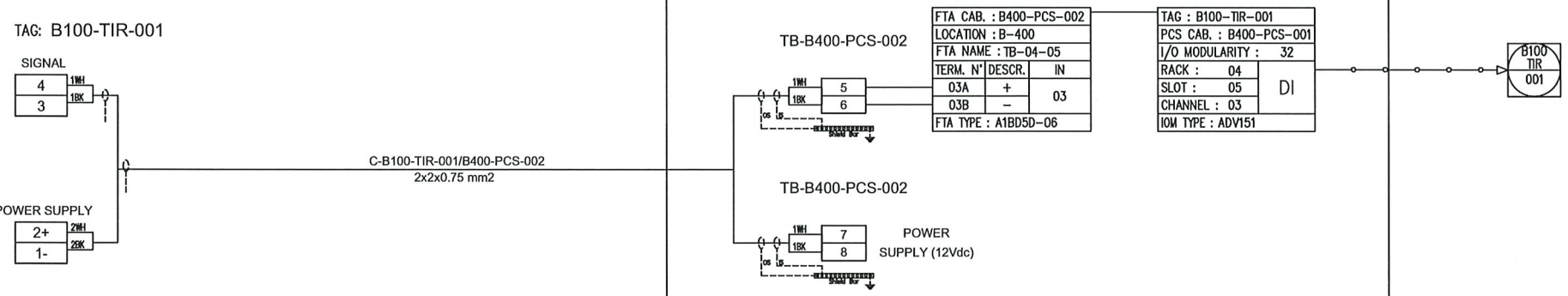
	Orange: Microwave activated
	Red: PIR activated
	Orange & Red: Detector alarm

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 24 April 2024 - 17:16

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B100-TIR-001
B-100 HV/MV SWGR ROOM MOTION DETECTION

CONTRACT NO./TITLE CONTRACT_NO.			SCALE 1:1
DRAWN: VBA	CHECKED: LCA	APPROVED: DLO	DATE 23/10/2024
A3	DRAWING NO. 123A90-DDL-IN-DG-40014	SHEET 065	REV. 01

File Name : 123A90-DDL-IN-DG-40014_REV.01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B200-TDC-001	: Proximity Switch (B-200)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-200	
TASK	code	C10003193	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B200-TDC-001			TSLD	123A90-FDL-IN-DG-40014 rev. 1_A		
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes
Marshalling	B400-PCS-002	Terminal	04A/04B	Slot	05	Rack	04	Chanel	04

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	Yes	OK
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control		Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	Yes	NA	OK	OK
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

Page 1/1

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:18:51.314Z

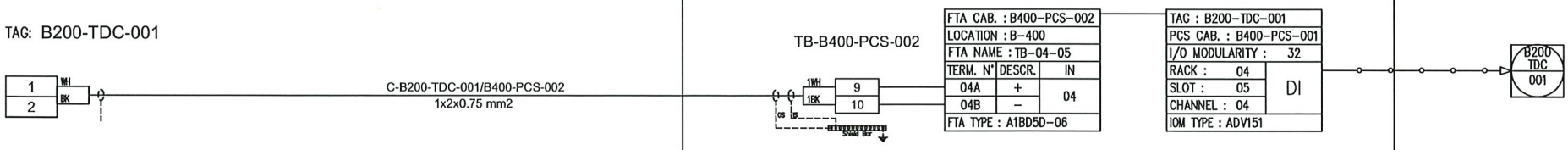
PROVERLIS Digitaly signed by Giandonato Delmissier 2025-01-27T14:59:31.538Z

PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:46:25.287Z

Signature			

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP

LGuzzo

24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV.: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B200–TDC–001
B–200 LV SWGR ROOM PRIMARY DOOR OPEN

CONTRACT NO./TITLE CONTRACT_NO.			SCALE 1:1
DRAWN: VBA	CHECKED: LCA	APPROVED: DLO	DATE 23/10/2024
A3	DRAWING NO. 123A90–DDL–IN–DG–40014	SHEET 066	REV. 01

File Name : 123A90-DDL-IN-DG-40014_REV.01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B200-TDC-002	: Proximity Switch (B-200)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-200	
TASK	code	C10003194	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B200-TDC-002				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	05A/05B		Slot	05	Rack	04	Chanel 05

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	Yes	OK
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control			Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	Yes	NA	OK	OK
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:18:28.203Z

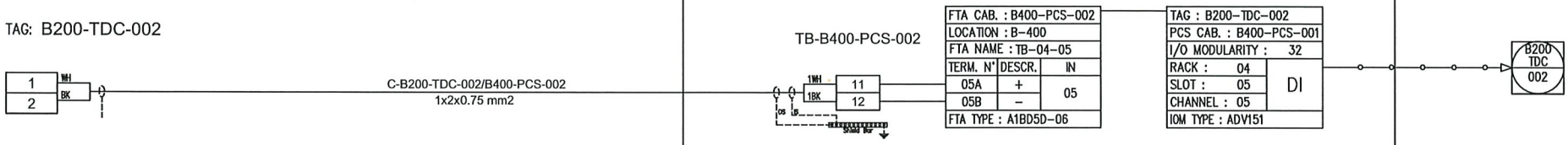
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PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:47:46.409Z

Signature			

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP

24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV.: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B200-TDC-002
B-200 LV SWGR ROOM EMERGENCY DOOR OPEN

CONTRACT NO./TITLE CONTRACT_NO. | SCALE 1:1

DRAWN: VBA | CHECKED: LCA | APPROVED: DLO | DATE 23/10/2024

A3 | DRAWING NO. 123A90-DDL-IN-DG-40014 | SHEET 067 | REV. 01

File Name : 123A90-DDL-IN-DG-40014_REV.01

ROSETTI MARINO | CROSSWIND

ITEM	Tag	B200-TIR-001	: Motion Detector (B-200)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-200	
TASK	code	C10003195	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B200-TIR-001				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	06A/06B		Slot	05	Rack	04	Chanel 06

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	NA	NA
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control			Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	NA	NA	NA	NA
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

Page 1/1

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

Digitaly signed by Laurentiu Grozavu 2025-01-27T07:17:53.938Z

Digitaly signed by Giandonato Delmissier 2025-01-27T15:01:48.687Z

Digitaly signed by Jamie McAllister 2025-01-28T08:48:51.989Z

Signature			

6931P

Mini outdoor motion sensor, Dual Technology, 24 GHz

Dual Technology outdoor motion sensor

The Mini Dual variants are outdoor motion sensors and alarm triggers that use two independent passive infrared detectors plus a microwave sensor module. All three sensors must trigger to cause the detector to signal an alarm. They use triple detection technology to deliver precise, reliable presence detection.

Easy and quick to install

Programmable options include a variable pulse count and LED able/disable functionality. Moreover, the integral dual-axis tilt sensor allows 90º of pan and 45º of tilt, which increases the speed of the outdoor installation and provides incredibly accurate aiming of the detection pattern.

Aesthetics and hidden sensor module

The design has a neat appearance that gives no visible indication of the orientation of the detector head and totally hides the wiring. It blends smoothly into residential outdoor applications.



Details

- New outdoor family containing wired PIR, 2 Dual Technology variants and wireless PIR
- Attractive aesthetics
- 14 to 70º detection angle
- 90º pan & 45º tilt for flexible installation
- Sensor module is hidden
- High dust and humidity resistance (IP65)
- 5 years warranty

6931P

Mini outdoor motion sensor, Dual Technology, 24 GHz

Technical specifications

General

Technology	Dual
Application type	Wall mount
Anti masking	No
Pet immune	No
Camera	No
Processor	Digital microprocessor with nonvolatile memory

Detection

Max. detection range	15 m
Detection range	14 to 70° detection angle, 15 x 13 m
No. of curtains	21
Vertical optical axis adjustment	45° tilt
Horizontal optical axis adjustment	90° pan
Microwave frequency (nom.)	24 GHz
Undercrawl protection	No
Fresnel lens	20 zones for each detection element, which can be masked with the curtain sliders
Microwave module	X-band radar 24 GHz
Customized optics	Double silicon shielded quad element eliminates 50,000 lux of white light
Pulse count	1 or 2

Wired / wireless

Wired-wireless	Wired

Inputs / outputs

Alarm relay characteristic	NC, volt free relay, signal contact 24 VAC/DC @ 50 mA with an integral 25 Ohm series resistor
Outputs	Silent, solid state, magnetically immune. PIR AND Microwave

Electrical

Power supply value	10 to 15 VDC
Current consumption	8 mA (12 V nominal)

Physical

Physical dimensions	71 x 120 x 75 mm (W x H x D)
Net weight	225 g
Shipping weight	325 g
Colour	Bronze
Material	High impact ABS plastic with HDPE cover, UV stabilized
Mounting height	3 to 6 m
Mounting height	Variable up to 6 m / Optimum height 3 m for full range

Environmental

Operating temperature	-30 to +65°C
Environment	Outdoor
IP rating	IP65
Temperature compensation	Analogue (thermistor) and digital sensitivity adjustment

LED indication

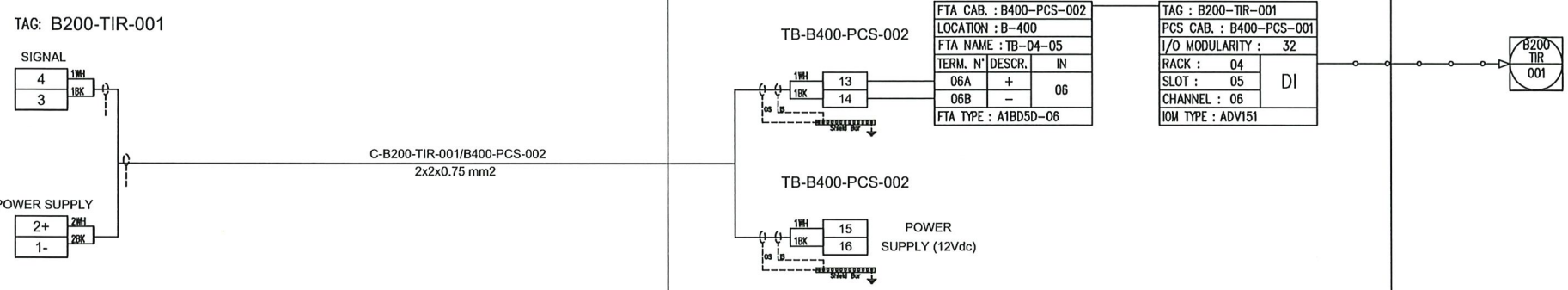
	Orange: Microwave activated
	Red: PIR activated
	Orange & Red: Detector alarm

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 24 April 2024 - 17:16

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B200–TIR–001
B–200 LV SWGR ROOM MOTION DETECTION

CONTRACT NO./TITLE CONTRACT_NO.			SCALE 1:1
DRAWN: VBA	CHECKED: LCA	APPROVED: DLO	DATE 23/10/2024

A3	DRAWING NO. 123A90–DDL–IN–DG–40014	SHEET 068	REV. 01

File Name : 123A90-DDL-IN-DG-40014_REV.01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B300-TDC-001	: Proximity Switch (B-300)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-300	
TASK	code	C10003196	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B300-TDC-001				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	07A/07B		Slot	05	Rack	04	Chanel 07

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	Yes	OK
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control		Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	Yes	NA	OK	OK
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

Page 1/1

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RNM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:17:25.536Z

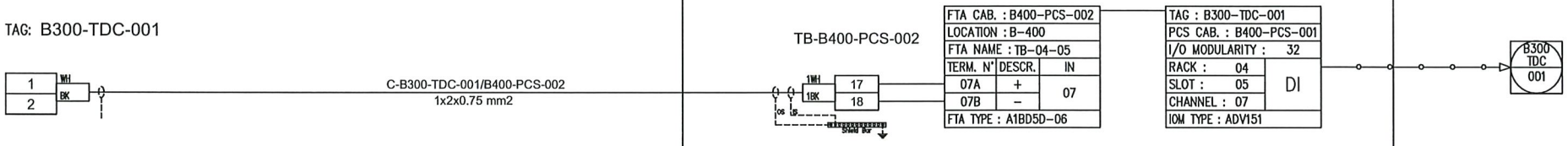
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PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:49:39.210Z

Signature			

DRAWING No. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B300-TDC-001
B-300 UPS ROOM PRIMARY DOOR OPEN

CONTRACT NO./TITLE CONTRACT_NO.			SCALE 1:1
DRAWN: VBA	CHECKED: LCA	APPROVED: DLO	DATE 23/10/2024

A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-IN-DG-40014	069	01

File Name : 123A90-DDL-IN-DG-40014_REV.01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B300-TDC-002	: Proximity Switch (B-300)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-300	
TASK	code	C10003197	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B300-TDC-002				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	08A/08B		Slot	05	Rack	04	Chanel 08

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	Yes	OK
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control			Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	Yes	NA	OK	OK
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

Page 1/1

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:19:31.267Z

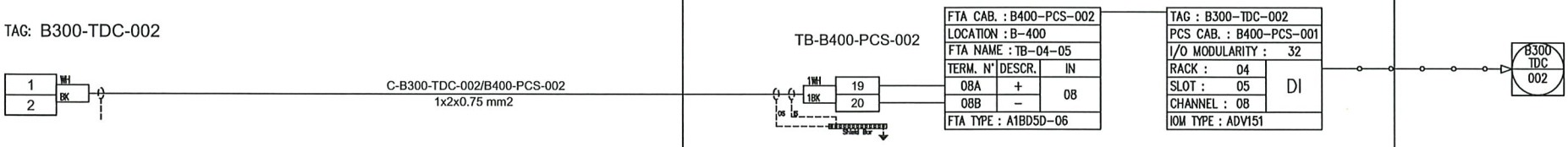
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PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:51:10.247Z

Signature			

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
Longhi
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B300-TDC-002
B-300 UPS ROOM EMERGENCY DOOR OPEN

CONTRACT NO./TITLE CONTRACT_NO. | SCALE 1:1
DRAWN: VBA | CHECKED: LCA | APPROVED: DLO | DATE 23/10/2024

A3 | DRAWING NO. 123A90-DDL-IN-DG-40014 | SHEET 070 | REV. 01

File Name : 123A90-DDL-IN-DG-40014_REV.01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B300-TIR-001	: Motion Detector (B-300)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-300	
TASK	code	C10003198	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B300-TIR-001				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	09A/09B		Slot	05	Rack	04	Chanel 09

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	NA	NA
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control			Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	NA	NA	NA	NA
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:20:26.636Z

PROVERLIS Digitaly signed by Giandonato Delmissier 2025-01-27T15:05:49.303Z

PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:51:57.974Z

Signature			

6931P

Mini outdoor motion sensor, Dual Technology, 24 GHz

Dual Technology outdoor motion sensor

The Mini Dual variants are outdoor motion sensors and alarm triggers that use two independent passive infrared detectors plus a microwave sensor module. All three sensors must trigger to cause the detector to signal an alarm. They use triple detection technology to deliver precise, reliable presence detection.

Easy and quick to install

Programmable options include a variable pulse count and LED able/disable functionality. Moreover, the integral dual-axis tilt sensor allows 90º of pan and 45º of tilt, which increases the speed of the outdoor installation and provides incredibly accurate aiming of the detection pattern.

Aesthetics and hidden sensor module

The design has a neat appearance that gives no visible indication of the orientation of the detector head and totally hides the wiring. It blends smoothly into residential outdoor applications.



Details

- New outdoor family containing wired PIR, 2 Dual Technology variants and wireless PIR
- Attractive aesthetics
- 14 to 70º detection angle
- 90º pan & 45º tilt for flexible installation
- Sensor module is hidden
- High dust and humidity resistance (IP65)
- 5 years warranty

6931P

Mini outdoor motion sensor, Dual Technology, 24 GHz

Technical specifications

General

Technology	Dual
Application type	Wall mount
Anti masking	No
Pet immune	No
Camera	No
Processor	Digital microprocessor with nonvolatile memory

Detection

Max. detection range	15 m
Detection range	14 to 70° detection angle, 15 x 13 m
No. of curtains	21
Vertical optical axis adjustment	45° tilt
Horizontal optical axis adjustment	90° pan
Microwave frequency (nom.)	24 GHz
Undercrawl protection	No
Fresnel lens	20 zones for each detection element, which can be masked with the curtain sliders
Microwave module	X-band radar 24 GHz
Customized optics	Double silicon shielded quad element eliminates 50,000 lux of white light
Pulse count	1 or 2

Wired / wireless

Wired-wireless	Wired

Inputs / outputs

Alarm relay characteristic	NC, volt free relay, signal contact 24 VAC/DC @ 50 mA with an integral 25 Ohm series resistor
Outputs	Silent, solid state, magnetically immune. PIR AND Microwave

Electrical

Power supply value	10 to 15 VDC
Current consumption	8 mA (12 V nominal)

Physical

Physical dimensions	71 x 120 x 75 mm (W x H x D)
Net weight	225 g
Shipping weight	325 g
Colour	Bronze
Material	High impact ABS plastic with HDPE cover, UV stabilized
Mounting height	3 to 6 m
Mounting height	Variable up to 6 m / Optimum height 3 m for full range

Environmental

Operating temperature	-30 to +65°C
Environment	Outdoor
IP rating	IP65
Temperature compensation	Analogue (thermistor) and digital sensitivity adjustment

LED indication

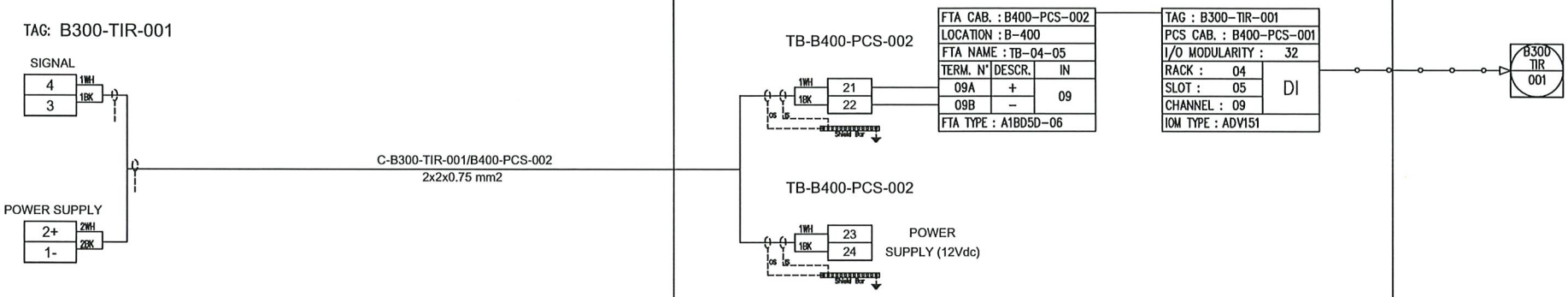
	Orange: Microwave activated
	Red: PIR activated
	Orange & Red: Detector alarm

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 24 April 2024 - 17:16

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
L Cugnoni
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FOL DWG: 123A90-FOL-IN-DG-40014
REV: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B300-TIR-001
B-300 UPS ROOM MOTION DETECTION

CONTRACT NO./TITLE CONTRACT_NO.			SCALE 1:1
DRAWN: VBA	CHECKED: LCA	APPROVED: DLO	DATE 23/10/2024

A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-IN-DG-40014	071	01

File Name : 123A90-DDL-IN-DG-40014_REV01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B400-TDC-001	: Proximity Switch (B-400)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-400	
TASK	code	C10003199	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B400-TDC-001				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	10A/10B		Slot	05	Rack	04	Chanel 10

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	Yes	OK
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control			Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	Yes	NA	OK	OK
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

Page 1/1

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:21:03.426Z

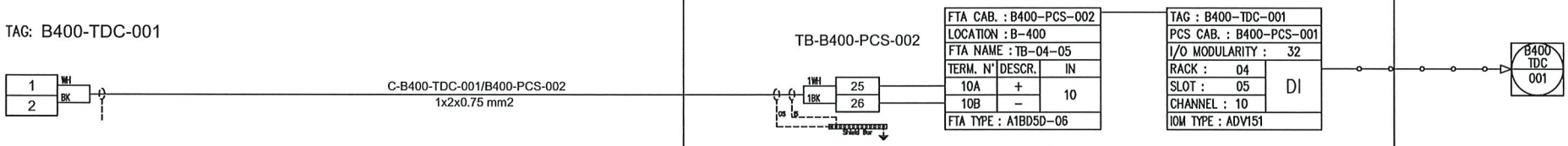
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PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:52:48.241Z

Signature			

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B400-TDC-001
B-400 I&T EQUIP. ROOM PRIMARY DOOR OPEN

CONTRACT NO./TITLE CONTRACT_NO.			SCALE 1:1
DRAWN: VBA	CHECKED: LCA	APPROVED: DLO	DATE 23/10/2024

A3	DRAWING NO.	SHEET	REV.
	123A90-DDL-IN-DG-40014	072	01

File Name : 123A90-DDL-IN-DG-40014_REV.01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B400-TDC-002	: Proximity Switch (B-400)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-400	
TASK	code	C10003200	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B400-TDC-002				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	11A/11B		Slot	05	Rack	04	Chanel 11

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	Yes	OK
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control			Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	Yes	NA	OK	OK
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:21:32.581Z

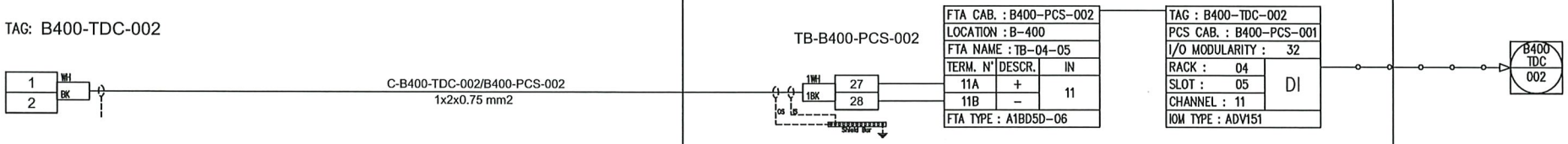
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PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:53:32.414Z

Signature			

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV.: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B400-TDC-002
B-400 I&T EQUIP. ROOM EMERGENCY DOOR OPEN

CONTRACT NO./TITLE CONTRACT_NO.			SCALE 1:1
DRAWN: VBA	CHECKED: LCA	APPROVED: DLO	DATE 23/10/2024

A3	DRAWING NO. 123A90-DDL-IN-DG-40014	SHEET 073	REV. 01

File Name : 123A90-DDL-IN-DG-40014_JES.01

ROSETTI MARINO | PROVERLIS | CROSSWIND

ITEM	Tag	B400-TIR-001	: Motion Detector (B-400)		Dwg	123A90-DDL-IN-DL-40080	
	S/Sys	87-20	: Process Control System (PCS) - Instrumentation		Module	LD_B-400	
TASK	code	C10003201	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity	FTS	Discipline	Instrumental	Form	FJ01D	Digital Loop

LOOP DATA

Loop TAG	B400-TIR-001				TSLD	123A90-FDL-IN-DG-40014 rev. 1_A			
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-PCS-002	Terminal	12A/12B		Slot	05	Rack	04	Chanel 12

LOOP TEST

1	Check earth isolation of the loop.					OK
2	Connect loop to terminal					OK
3	Energise Loop (close loop) and record status	Normal	Yes	Alarm/trip	NA	OK
4	De-Energise Loop (open loop) and record status	Normal	NA	Alarm/trip	NA	NA
5	Record Fail Safe position	Open	NA	Closed	NA	NA

LOOP SERVICE

		Action	Alarm / Control			Display	
		Trip	GA	DCS	SOE	DCS	
6	Loop energized	NA	NA	Yes	NA	OK	OK
7	Loop not energized	NA	NA	NA	NA	NA	NA
8	Checking of line monitoring	NA	NA	NA	NA	NA	NA
9	Checking of Maintenance Inhibition	NA	NA	NA	NA	NA	NA
10	Associated safety Level / bar						NA
11	Associated outputs						NA

LOOP DOCUMENTATION

12	Loop diagram is marked up and attached to this test sheet	OK
13	Cause and effect chart is highlighted accordingly	NA
14	Any defect is recorded for punch list issuance	NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
FLUKE 175	AW1/018 (17140769)	7715/24	10/07/2025

Comments:

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW OPS
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-01-27	2025-01-27	2025-01-28

PROVERLIS Digitaly signed by Laurentiu Grozavu 2025-01-27T07:22:05.155Z

PROVERLIS Digitaly signed by Giandonato Delmissier 2025-01-27T15:06:46.989Z

PROVERLIS Digitaly signed by Jamie McAllister 2025-01-28T08:54:24.167Z

Signature			

6931P

Mini outdoor motion sensor, Dual Technology, 24 GHz

Dual Technology outdoor motion sensor

The Mini Dual variants are outdoor motion sensors and alarm triggers that use two independent passive infrared detectors plus a microwave sensor module. All three sensors must trigger to cause the detector to signal an alarm. They use triple detection technology to deliver precise, reliable presence detection.

Easy and quick to install

Programmable options include a variable pulse count and LED able/disable functionality. Moreover, the integral dual-axis tilt sensor allows 90º of pan and 45º of tilt, which increases the speed of the outdoor installation and provides incredibly accurate aiming of the detection pattern.

Aesthetics and hidden sensor module

The design has a neat appearance that gives no visible indication of the orientation of the detector head and totally hides the wiring. It blends smoothly into residential outdoor applications.



Details

- New outdoor family containing wired PIR, 2 Dual Technology variants and wireless PIR
- Attractive aesthetics
- 14 to 70º detection angle
- 90º pan & 45º tilt for flexible installation
- Sensor module is hidden
- High dust and humidity resistance (IP65)
- 5 years warranty

6931P

Mini outdoor motion sensor, Dual Technology, 24 GHz

Technical specifications

General

Technology	Dual
Application type	Wall mount
Anti masking	No
Pet immune	No
Camera	No
Processor	Digital microprocessor with nonvolatile memory

Detection

Max. detection range	15 m
Detection range	14 to 70° detection angle, 15 x 13 m
No. of curtains	21
Vertical optical axis adjustment	45° tilt
Horizontal optical axis adjustment	90° pan
Microwave frequency (nom.)	24 GHz
Undercrawl protection	No
Fresnel lens	20 zones for each detection element, which can be masked with the curtain sliders
Microwave module	X-band radar 24 GHz
Customized optics	Double silicon shielded quad element eliminates 50,000 lux of white light
Pulse count	1 or 2

Wired / wireless

Wired-wireless	Wired

Inputs / outputs

Alarm relay characteristic	NC, volt free relay, signal contact 24 VAC/DC @ 50 mA with an integral 25 Ohm series resistor
Outputs	Silent, solid state, magnetically immune. PIR AND Microwave

Electrical

Power supply value	10 to 15 VDC
Current consumption	8 mA (12 V nominal)

Physical

Physical dimensions	71 x 120 x 75 mm (W x H x D)
Net weight	225 g
Shipping weight	325 g
Colour	Bronze
Material	High impact ABS plastic with HDPE cover, UV stabilized
Mounting height	3 to 6 m
Mounting height	Variable up to 6 m / Optimum height 3 m for full range

Environmental

Operating temperature	-30 to +65°C
Environment	Outdoor
IP rating	IP65
Temperature compensation	Analogue (thermistor) and digital sensitivity adjustment

LED indication

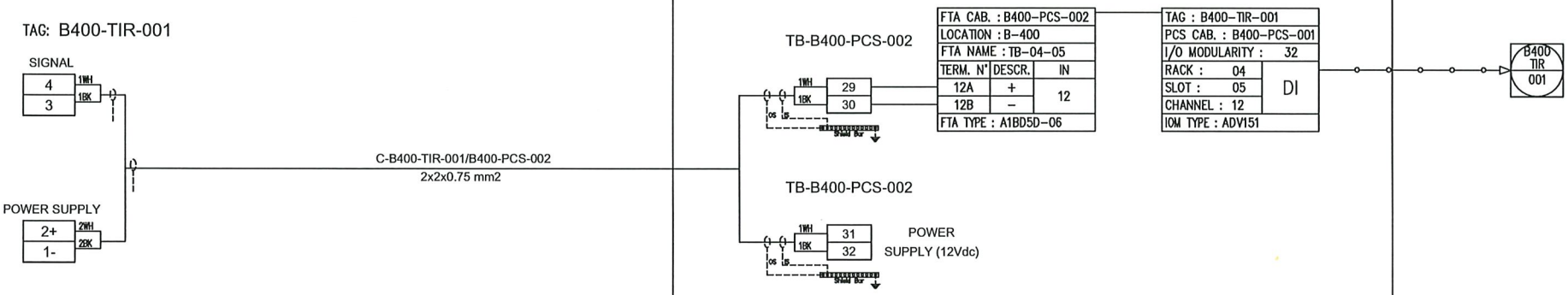
	Orange: Microwave activated
	Red: PIR activated
	Orange & Red: Detector alarm

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 24 April 2024 - 17:16

DRAWING NO. 123A90-DDL-IN-DG-40014 REV. 01

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	PROCESS CONTROL SYSTEM	OPERATOR CONSOLE



NO MARK UP
L Cuzzucrea
24/01/25

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
01	06/12/2024	VBA	LCA	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	23/10/2024	VBA	LCA	DLO	ISSUE FOR REVIEW (IFR)

VALID FOR CONSTRUCTION
FDL DWG: 123A90-FDL-IN-DG-40014
REV.: 1_A | DATE: 20/12/24 | SIGNATURE: C.Pilato
ROSETTI MARINO SpA

CROSSWIND

ROSETTI MARINO

TITLE : INSTRUMENT LOOP DIAGRAM
B400-TIR-001
B-400 I&T EQUIP. ROOM MOTION DETECTION

CONTRACT NO./TITLE CONTRACT_NO.			SCALE 1:1
DRAWN: VBA	CHECKED: LCA	APPROVED: DLO	DATE 23/10/2024
A3	DRAWING NO. 123A90-DDL-IN-DG-40014	SHEET 074	REV. 01

File Name : 123A90-DDL-IN-DG-40014_REV.01

Section 4.4 Instrumentation “As-Commissioned” interconnection diagrams

NOT APPLICABLE

Section 4.5 Telecommunication functional test sheets index

NOT APPLICABLE

Section 4.6 Telecommunication
“As-Commissioned” I.C.D. / TSLD's

NOT APPLICABLE

Section 5 SITE / OPERATIONAL

Section 5.1 Operational Test Procedure

NOT APPLICABLE

Section 5.2 Operational Test Certificates

NOT APPLICABLE

Section 6 PIPING AND VESSEL PREPARATION

Section 6.1 Final Mechanical / Vessel Inspection Checks Index

NOT APPLICABLE

Section 6.2 Leak Test / Drying / Inerting Test Sheets Index

NOT APPLICABLE

Section 6.3 Chemical Loading & First Fill records Index

NOT APPLICABLE

Section 6.4 Chemical Cleaning Reports and Records Index

NOT APPLICABLE

Section 6.5 Lubrication Schedule

NOT APPLICABLE

Section 7 VENDOR

Section 7.1 Vendor Package Summary Index

NOT APPLICABLE

Section 7.2 SAT Procedure with associated punch list and reference (Front Page)

NOT APPLICABLE

Section 7.3 Vendor Spares & Special Tools lists references

NOT APPLICABLE

Section 7.4 Vendor Data / Operations / Maintenance Manuals References

NOT APPLICABLE

Section 8 LIST OF MODIFICATIONS

NOT APPLICABLE

Section 8.1 List of changes

NOT APPLICABLE

Section 9 SUPPORTING DOCUMENTS

NOT APPLICABLE