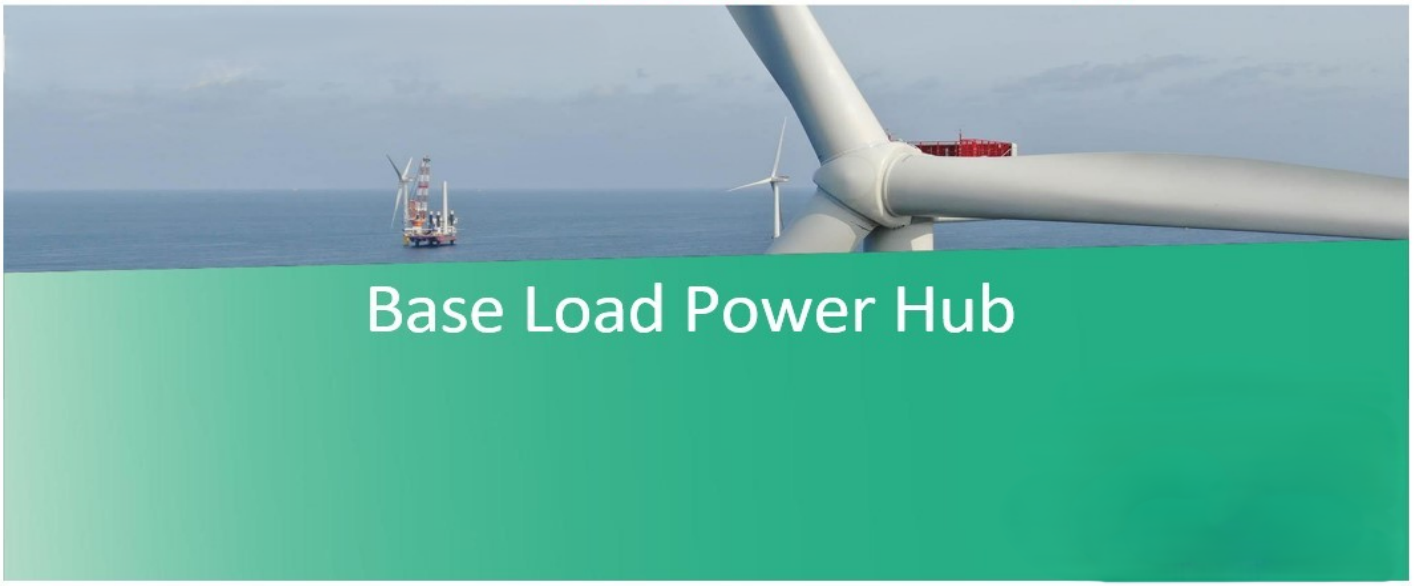
CROSSWIND

ROSETTI MARINO

PROVERLIS

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



COMMISSIONING DOSSIER (ONSHORE)

SYSTEM	63 Instrument Air
SUBSYSTEM	63-30 Instrument Air Distribution Network

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123A90 - HOLLANDSE KUST NOORD WIND PARK
BLPH Project

COMMISSIONING DOSSIER INDEX

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Sub System N°:	63-30	**Tick as appropriate**	ONSHORE	OK
Description:	Instrument Air Distribution Network		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*	OK
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	Martin Taylor
Date	2025-04-25	2025-04-25
Signature	PROVERLIS Digitaly signed by Anthony Iveson 2025-04-25T12:14:23.569Z	PROVERLIS Digitaly signed by Martin Taylor 2025-04-25T13:09:59.929Z

Section 1 SUB-SYSTEM DEFINITION

DRAWING NO. DRAWING_NO.

REV. REV

A-63000
INSTRUMENT AIR AND DRYER PACKAGE
CAPACITY : 313 Sm3/h (PRODUCTION)

A-64000
NITROGEN GENERATION SYSTEM
CAPACITY : 52.7 Sm3/h (PRODUCTION)

Waste Water Brine Discharge System	SS 55-01
Instrument Air Distrubution Network	SS 63-30
Instrument Air Package	SS 63-00
Nitrogen Distribution Network	SS 64-10
Nitrogen Generator Package	SS 64-00

SUCTION 63 PI 001 | DISCHARGE 63 PI 002 | COMMON ALARM 63 XA 001 | MCC DEVICE COMMS FAIL 63 XI 001 | AVAILABLE STATUS 63 XI 002 | RUN/STOP STATUS 63 XI 003 | SHUTDOWN STATUS 63 XI 004 | SHUTDOWN ALARM 63 XA 002 | ESD I

FAULT PACKAGE 63 XA 003

ESD I — 63-XS-001 SHUT-DOWN

NOTE 14

A-63000
INSTRUMENT AIR AND DRYER PACKAGE
SEE VENDOR DIAGRAM
NOTE 2, 3, 4, 5, 6

1-1/2"-IA-263-01SS-N

V-63001
AIR RECEIVER
C

63 PI 004 LL | 63 PI 003 L | ESD I

63 PT 003 | 63 PT 004

INSTR. PIPING

BLPH-MV-150 3/4" FLG x 1/2" NPTF | BLPH-MV-151 3/4" FLG x 1/2" NPTF

B — TP 041 — LO — BLPH-MV-149

1-1/2"-IA-108-01SS-N → 123A90-DDL-PR-PID-80041 TO INSTRUMENT AIR DISTRIBUTION HEADER

A — TP 039 — BLPH-MV-269 SB LO

1"-WW-079-01CS-H → 123A90-DDL-PR-PID-80025 TO BRINE DISCHARGE CAISSON

BLPH-MV-270 LO 1.1/2"

1-1/2"-IA-204-01SS-N

TO SAFE LOCATION

ESD I — 2"-AV-224-01CS-N

TP 043 — A

TP 045 — C

A-64000
NITROGEN SYSTEM
SEE VENDOR DIAGRAM

64 HS 031 | 64 PIC 031A H L | 64 PIC 031B H L

64 PT 031A | 64 PT 031B | 64 PT 002

64 PV 031A | 64 PV 031B

INSTR. PIPING

BLPH-MV-386 3/4" FLG x 1/2" NPTF | BLPH-MV-166 3/4" FLG x 1/2" NPTF | BLPH-MV-167 3/4" FLG x 1/2" NPTF

64 PI 002 LL

NOTE 15

NOTE 1, 12 SET @ 40 barg — 64 PSV 001

NOTE 10 TO ATM

2"-AV-160-01CS-N

1.5" x 1" — BLPH-MV-278 FB-LO 1.1/2" — 1.5" x 1"

1-1/2"-N-197-01CS-N

B — TP 042 — BLPH-MV-271 SB LO — 3/4" — BLPH-MV-275

1"-N-158-01CS-N

1"-N-100-01CS-N

FL-DC TYP.6 1" — N-158 — N-100

D — 1"-N-262-01CS-N

ESD I — 64-XS-001 SHUT-DOWN — ESD I — NOTE 14

64 XA 003 FAULT PACKAGE

V-64001
NITROGEN RECEIVER
E

1"-N-101-01CS-N → 123A90-DDL-PR-PID-80028 TO HYDROGEN VENT HEADER

1"-N-125-03HSS-N → 123A90-DDL-PR-PID-80017 TO HYDROGEN STORAGE VESSEL C

1"-N-124-03HSS-N → 123A90-DDL-PR-PID-80016 TO HYDROGEN STORAGE VESSEL B

1"-N-028-03HSS-N → 123A90-DDL-PR-PID-80015 TO HYDROGEN STORAGE VESSEL A

1" N-257-03HSS-N

UPPER LEVEL
LOWER LEVEL

1"-N-126-03HSS-N → 123A90-DDL-PR-PID-80018 TO HYDROGEN STORAGE VESSEL D

1"-N-127-03HSS-N → 123A90-DDL-PR-PID-80019 TO HYDROGEN STORAGE VESSEL E

1"-N-128-03HSS-N → 123A90-DDL-PR-PID-80020 TO HYDROGEN STORAGE VESSEL F

1"-N-151-01CS-N → 123A90-DDL-PR-PID-80011 TO ELECTROLYSER PACKAGE

64 SDV 001 | IA | 64 SDV 001 | NOTE 13 | NC FC TYP.2

01CS 03HSS

NOTES

1. ONE UNINSTALLED SPARE PSV SHALL BE AVAILABLE.
2. COMPRESSORS AND DRIERS DESIGNED FOR 2 X 100% CONFIGURATION. INSTRUMENT AIR RECEIVER DESIGNED FOR 1 X 100%.
3. VENDOR TO PROVIDE NECESSARY CONTROLS, INSTRUMENTATIONS AND ISOLATIONS IN ORDER TO OPERATE THE PLANT IN SAFE MANNER.
4. COMPRESSORS WILL OPERATE ON THE BASIS OF ONE WORKING AND ONE ON STANDBY.
5. COMPRESSORS TO BE ROTARY SCREW TYPE OIL FREE.
6. AIR COMPRESSOR INLET TO BE LOCATED AWAY FROM ANY VENTS.
7. DELETED. 02
8. DELETED.
9. DELETED.
10. TO SAFE LOCATION, ROUTED AWAY FROM WALKWAYS.
11. DELETED. 02
12. 64PSV001 SIZED FOR UPSTREAM CV FAILURE.
13. 64SDV001 IS NORMALLY CLOSED. IF REQUIRED THE OPERATOR CAN REMOTELY OPEN THE VALVE TO ALLOW PURGING OPERATION. VALVE 64SDV001 IS ALSO CONNECTED TO THE PCS SYSTEM.
14. SERIAL COMMUNICATION WITH CONTROL SYSTEM.
15. THE ALARM 64-PAL-002 WILL CLOSE 64-SDV-001 THROUGH SAFETY SYSTEM.

02

HOLDS

1. DELETED.
2. DELETED. 02
3. DELETED.
4. DELETED.

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	12/06/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	15/02/2024	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)
00	20/10/2023	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)

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TITLE :
BLPH PIPING AND INSTRUMENTATION DIAGRAM
INSTRUMENT AIR PACKAGE

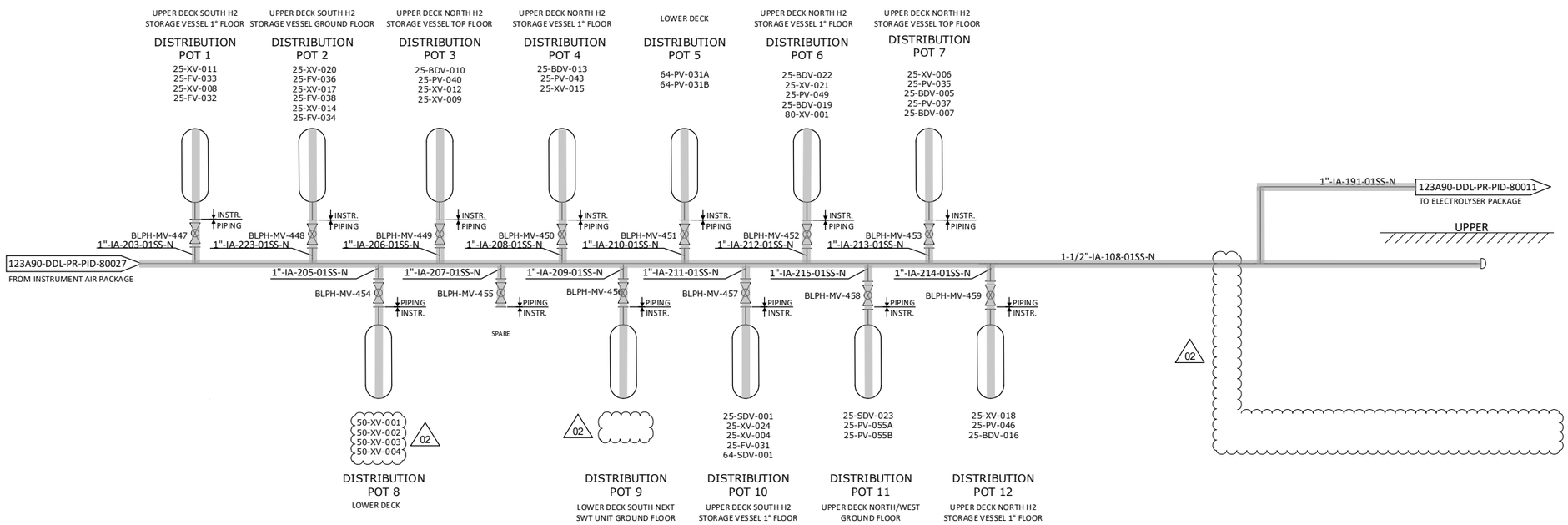
CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE	NTS
DRAWN	CHECKED	APPROVED	DATE	
A1	DRAWING NO. 123A90-DDL-PR-PID-80027		SHEET 001	REV. 02

File Name : FILE_NAME

DRAWING NO. DRAWING_NO.

REV. REV

Instrument Air Distribution Network SS 63-30



NOTES

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	12/06/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	15/02/2024	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)
00	20/10/2023	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)

CROSSWIND

ROSETTI MARINO

TITLE :
BLPH PIPING AND INSTRUMENTATION DIAGRAM
INSTRUMENT AIR DISTRIBUTION HEADER

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE	NTS
DRAWN	CHECKED	APPROVED	DATE

A1	DRAWING NO.	SHEET	REV.
	123A90-DDL-PR-PID-80041	001	02

File Name : FILE_NAME

DRAWING NO. DRAWING_NO.

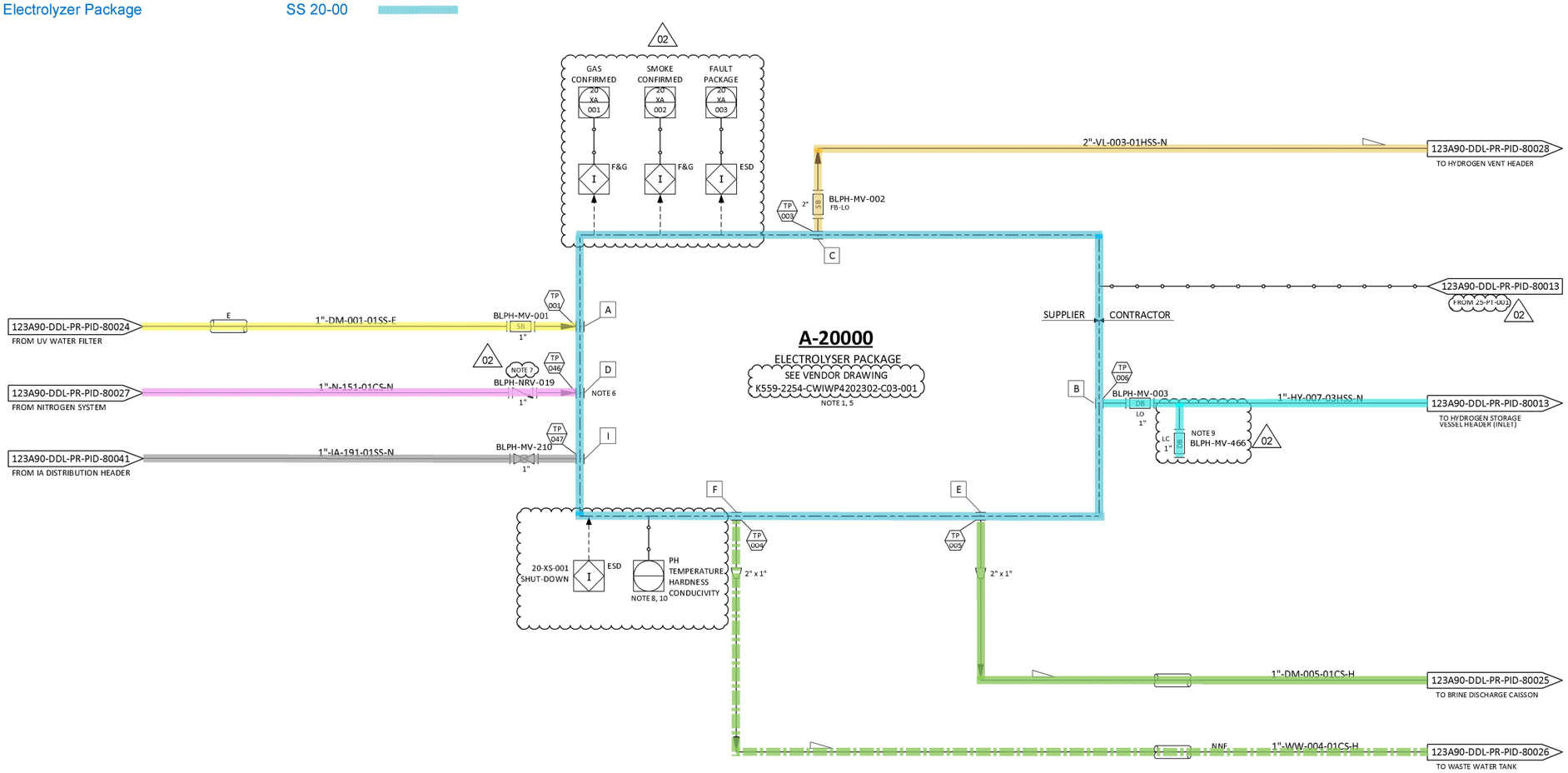
REV. REV

Instrumen Air Distribution Network	SS 63-30	
Water Desalination & Distribution System	SS 50-10	
Hydrogen Storage Vessel Header (Intel)	SS 43-00	
Nitrigen Distribution Network	SS 64-11	
Waste Water Brine Discharge System	SS 55-01	
Waste Water Disposal System	SS 55-00	
Hydrigen Storage Vessel Header (Intel)	SS 25-07	
Electrolyzer Package	SS 20-00	

A-20000

ELECTROLYSER PACKAGE

DUTY: 2.5MW
DESIGN PRESSURE: 40 barg
DESIGN TEMPERATURE: 80 °C
H2 GENERATING CAPACITY: 500 Nm³/h



NOTES

1. PACKAGE SUPPLIED WITH POWER FROM THE BLPH ELECTRICAL SYSTEM.
2. DELETED.
3. DELETED.
4. DELETED.
5. ELECTROLYSER PACKAGE INCLUDES AN OXYGEN VENT LINE WHICH IS IN THE SCOPE OF SUPPLY OF THE ELECTROLYSER PACKAGE UP TO THE ATMOSPHERE. NO PHYSICAL INTERFACE IS PRESENT BETWEEN ELECTROLYSER PACKAGE AND CONTRACTOR ON THIS LINE.
6. AN ISOLATION VALVE DOWNSTREAM THE CHECK VALVE NRV-019 IS PROVIDED WITHIN THE PACKAGE A-20000.
7. CHECK VALVE NRV-019 TO BE INSTALLED AS CLOSE AS POSSIBLE TO THE ELECTROLYSER PACKAGE A-20000.
8. SERIAL COMMUNICATION WITH CONTROL SYSTEM.
9. NITROGEN PURGING CONNECTION TO BE LOCATED AS CLOSE AS POSSIBLE TO MANUAL VALVE BLPH-MV-003.
10. PH, TEMPERATURE, HARDNESS AND CONDUCTIVITY SHALL BE SENT FROM CONTROL SYSTEM TO ELECTROLISER UCP IN ADDITION TO THE OTHER SOFTWARE SIGNALS.

02

HOLDS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	12/06/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	15/02/2024	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)
00	20/10/2023	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)

CROSSWIND

ROSETTI MARINO

TITLE :
BLPH PIPING AND INSTRUMENTATION DIAGRAM
ELECTROLYSER PACKAGE

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK	SCALE	NTS
DRAWN	CHECKED	APPROVED	DATE
A1	DRAWING NO. 123A90-DDL-PR-PID-80011	SHEET 001	REV. 02

File Name : FILE_NAME

Section 2 READY FOR OPERATION

Section 2.1 Achievement Of Ready for Operation Certificate (RFO)

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123A90 - HOLLANDSE KUST NOORD WIND PARK
BLPH Project

CROSSWIND

Ready For Operation (RFO) Certificate

COMPLETE	●	PARTIAL	

Revision:	1		Issued on:	2025-04-18	
System:	63	/	Instrument Air		
SubSystem:	63-30	/	Instrument Air Distribution Network		

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: 3

REMARKS:

	CONTRACTOR Commissioning Manager	**COMPANY** Commissioning Lead
Name	Anthony Iveson	Martin Taylor
Date	2025-04-18	2025-04-25
Signature	PROVERLIS Digitaly signed by Anthony Iveson 2025-04-18T11:56:20.672Z	PROVERLIS Digitaly signed by Martin Taylor 2025-04-25T10:19:19.779Z

CROSSWIND

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Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 63-30 & process: COMM

Instrumental	63-30 Instrument Air Distribution Network						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
63-PT-003	Pressure Transmitter - Instrument Air to Distribution Header	ONSHORE	C10003184	FJ01A	100	2025-04-18	RFO 1
63-PT-004	Pressure Transmitter - Instrument Air to Distribution Header Low Pressure	ONSHORE	C10003185	FJ01A	100	2025-03-26	RFO 1

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 63-30 & process: COMM

Piping	63-30 Instrument Air Distribution Network						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
63-30	Service Test Instrument Air Distribution Network	ONSHORE	C10004907	4245	100	2025-03-28	RFO 1

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Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	63	Instrument Air
SUBSYSTEM	63-30	Instrument Air Distribution Network

Piping

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30002095	B	63-30-TP-027 C10003436	Sk.36 (Sh.1/8): For support PS-02075.1 the position F1 (UPN80) has not been installed yet. Pipe is not supported.	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002097	B	63-30-TP-027 C10003436	Sk.36 (Sh.1/8): For support PS-02028.1 the position F3 (UPN100) has been installed but is shorter than required. S-211 cannot be installed	.		KAlbonetti 2024-12-20	2025-02-28	Lmussi 2025-02-28	2025-02-28
C30002100	B	63-30-TP-027 C10003436	SK.095: Spool D, Spool E, Spool F have not been aligned as for the isometric due the scaffolding clashing with them. It has not been possible to	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002105	B	63-30-TP-027 C10003436	SK.36 (Sh.4/8): It has been found and additional piping support not in the isometric that has been installed in between the PS-03094.1 and	.		KAlbonetti 2024-12-20	2025-02-28	Lmussi 2025-02-28	2025-02-28
C30002108	B	63-30-TP-027 C10003436	Sk.95 (Sh.1/1): The support PS-02092.2 is still in the isometric but as for rev.1 of Piping support book (123A90-DDL-PP-DD-72000) it is not	.		KAlbonetti 2024-12-20	2025-04-02	LNovaga 2025-04-02	2025-04-02
C30002113	B	63-30-TP-027 C10003436	SK.110: The structural part of support PS-03142.1 has not been installed.	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002114	B	63-30-TP-027 C10003436	SK.112: The structural part of support PS-03143.1 has not been installed.	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002115	B	63-30-TP-027 C10003436	SK.106: The structural part of support PS-03144.1 has not been installed.	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002116	B	63-30-TP-027 C10003436	For all supports type S-211 the isolating ruber, the gap, the lock nuts and the washers shall be checked again during reinstatement because they	.		KAlbonetti 2024-12-20	2026-02-17	KAlbonetti 2026-02-17	2026-02-17

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 63 Instrument Air
SUBSYSTEM 63-30 Instrument Air Distribution Network

Piping

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30003405	B	63-30-TP-027 C10003436	PS-03156 is a mistake. There is no space in field for it and there is no support shown in the 3D.	.		KAlbonetti 2025-01-30			
C30003406	B	63-30-TP-027 C10003436	PS-03155 is a mistake. There is no space in field for it and there is no support shown in the 3D.	.		KAlbonetti 2025-01-30			
C30003466	B	63-30-TP-027 C10003437	Support PS-03142 not installed. ISO 123A90-FDL-PP-DI-00110-01	.		MBruschi 2025-02-03	2025-04-04	LNovaga 2025-04-04	2025-04-04
C30003467	B	63-30-TP-027 C10003437	Support PS- 03143 not installed. ISO 123A90-FDL-PP-DI-00112-01	.		MBruschi 2025-02-03	2025-04-04	LNovaga 2025-04-04	2025-04-04
C30003468	B	63-30-TP-027 C10003437	Support PS-03144 not installed. ISO 123A90-FDL-PP-DI-00106-01	.		MBruschi 2025-02-03	2025-04-04	LNovaga 2025-04-04	2025-04-04
C30003469	B	63-30-TP-027 C10003437	Isolation rubber on Support PS-02008 (S-211) is damaged	.		MBruschi 2025-02-03	2025-02-28	Lmussi 2025-02-28	2025-02-28
C30003554	B	63-30-TP-027 C10003438	Color coding and fluid direction are missing.	.		KAlbonetti 2025-02-05	2025-03-21	LNovaga 2025-03-21	2025-03-21
C30003555	B	63-30-TP-027 C10003438	General touch up do to, especially near the supports of the piping line.	.		KAlbonetti 2025-02-05	2025-03-03	LNovaga 2025-03-03	2025-03-03
C30004315	B	63-30-TP-027 C10003437	Support PS-03142.1 (SK 110), support PS-03143.1 (SK 112) and support PS-03144.1 are installed 160 mm below penetration T.O.S.	.		LNovaga 2025-04-03			

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 63 Instrument Air
SUBSYSTEM 63-30 Instrument Air Distribution Network

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30003146	B	C-63-PT-004/B400-SIS-001 C10000179	Missing SS tag side the instrument. (63-PT-004). See attached photo.	.		Gtangianu 2025-01-22	2025-02-21	AAndreani 2025-02-21	2025-02-21
C30003147	B	C-63-PT-004/B400-SIS-001 C10000179	Missing identification wire tas side the B400-SIS-001.See attached photo.	.		Gtangianu 2025-01-22	2025-04-11	Gtangianu 2025-04-11	2025-04-11
C30003206	B	C-63-PT-003/B400-PCS-002 C10000129	Missing identification tag wire. See attached photo.	.		Gtangianu 2025-01-25	2025-04-11	Gtangianu 2025-04-11	2025-04-11
C30003233	B	AV-63005 C10002007	Missing traffolyte tag , on air distribution pot.	.		APolo 2025-01-28	2025-02-12	APolo 2025-02-12	2025-02-12
C30003234	B	AV-63005 C10002007	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-01-28	2025-02-04	APolo 2025-02-04	2025-02-04
C30003255	B	AV-63005 C10002007	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-01-28	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003315	B	AV-63001 C10002000	Missing traffolyte tag side Air Distribution Pot	.		APolo 2025-01-30	2025-02-18	AAndreani 2025-02-18	2025-02-18
C30003316	B	AV-63001 C10002000	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003317	B	AV-63001 C10002000	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 63 Instrument Air
SUBSYSTEM 63-30 Instrument Air Distribution Network

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30003318	B	AV-63010 C10002001	Missing traffolyte tag side Air Distribution Pot	.		APolo 2025-01-30	2025-02-18	AAndreani 2025-02-18	2025-02-18
C30003319	B	AV-63010 C10002001	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003320	B	AV-63010 C10002001	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003321	B	AV-63002 C10002004	Missing traffolyte tag side Air Distribution Pot	.		APolo 2025-01-30	2025-02-18	AAndreani 2025-02-18	2025-02-18
C30003322	B	AV-63002 C10002004	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003323	B	AV-63002 C10002004	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003520	B	AV-63008 C10002010	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-02-04	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003521	B	AV-63008 C10002010	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-02-04	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003895	B	AV-63006 C10002008	Found the plug with teflon.See attached photo.	.		Gtangianu 2025-02-17	2025-02-19	Gtangianu 2025-02-19	2025-02-19

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM	63	Instrument Air
SUBSYSTEM	63-30	Instrument Air Distribution Network

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30003969	B	AV-63007 C10002009	Need to remove the teflon on the plug. See attached photo.	.		Gtangianu 2025-02-18	2025-02-25	APolo 2025-02-25	2025-02-25
C30003970	B	AV-63003 C10002005	Need to remove the teflon on the plug. See attached photo.	.		Gtangianu 2025-02-18	2025-02-25	APolo 2025-02-25	2025-02-25

Section 2.2 Exception Punch Lists (per discipline)

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 63 Instrument Air

SUBSYSTEM 63-30 Instrument Air Distribution Network

Piping

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30003405	B	63-30-TP-027 C10003436	PS-03156 is a mistake. There is no space in field for it and there is no support shown in the 3D.	.		KAlbonetti 2025-01-30			
C30003406	B	63-30-TP-027 C10003436	PS-03155 is a mistake. There is no space in field for it and there is no support shown in the 3D.	.		KAlbonetti 2025-01-30			
C30004315	B	63-30-TP-027 C10003437	Support PS-03142.1 (SK 110), support PS-03143.1 (SK 112) and support PS-03144.1 are installed 160 mm below penetration T.O.S.	.		LNovaga 2025-04-03			

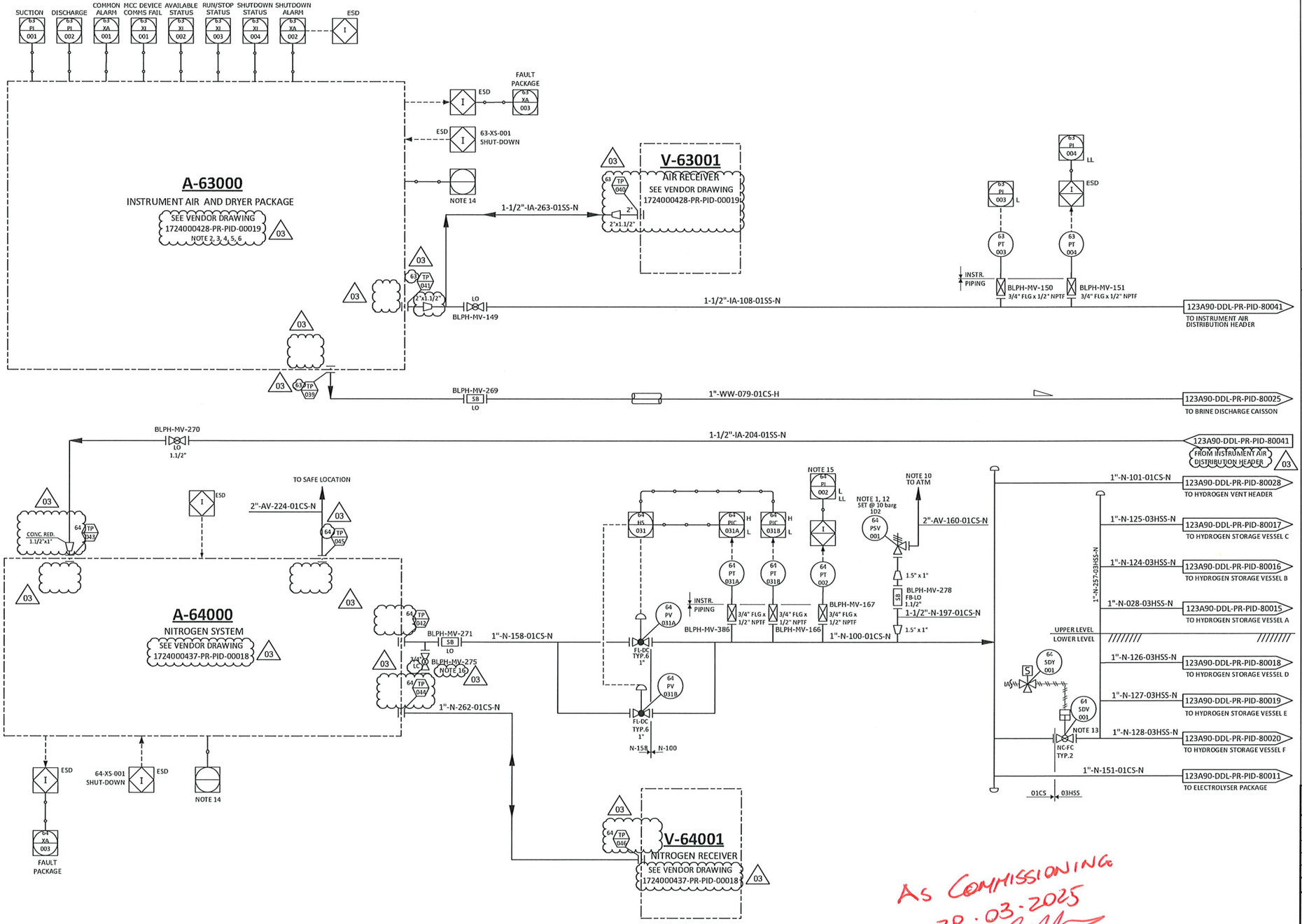
Section 2.3 “As-Commissioned” P&ID's / SLD's / D&ID's / C&E's

DRAWING NO. DRAWING_NO.

REV. REV

A-63000
INSTRUMENT AIR AND DRYER PACKAGE
CAPACITY : 313 Sm³/h (PRODUCTION)

A-64000
NITROGEN GENERATION SYSTEM
CAPACITY : 52.7 Sm³/h (PRODUCTION)



NOTES

1. ONE UNINSTALLED SPARE PSV SHALL BE AVAILABLE.
2. COMPRESSORS AND DRIERS DESIGNED FOR 2 X 100% CONFIGURATION. INSTRUMENT AIR RECEIVER DESIGNED FOR 1 X 100%.
3. VENDOR TO PROVIDE NECESSARY CONTROLS, INSTRUMENTATIONS AND ISOLATIONS IN ORDER TO OPERATE THE PLANT IN SAFE MANNER.
4. COMPRESSORS WILL OPERATE ON THE BASIS OF ONE WORKING AND ONE ON STANDBY.
5. COMPRESSORS TO BE ROTARY SCREW TYPE OIL FREE.
6. AIR COMPRESSOR INLET TO BE LOCATED AWAY FROM ANY VENTS.
7. DELETED.
8. DELETED.
9. DELETED.
10. TO SAFE LOCATION, ROUTED AWAY FROM WALKWAYS.
11. DELETED.
12. 64-PSV-001 SIZED FOR UPSTREAM 64-PV-031 CV FAILURE.
13. 64-SDV-001 IS NORMALLY CLOSED. IF REQUIRED THE OPERATOR CAN REMOTELY OPEN THE VALVE TO ALLOW PURGING OPERATION. VALVE 64-SDV-001 IS ALSO CONNECTED TO THE PCS SYSTEM.
14. SERIAL COMMUNICATION WITH CONTROL SYSTEM.
15. THE ALARM 64-PAL-002 WILL CLOSE 64-SDV-001 THROUGH SAFETY SYSTEM.
16. MANUAL VALVE BLPH-MV-275 TO BE CONNECTED WITH MANUAL VALVE BLPH-MV-466 (INSTALLED ON ELECTROLYSER PACKAGE EXIT LINE) BY MEAN ON A FLEXIBLE HOSE DURING COMMISSIONING PHASE FOR PURGING OPERATION.

HOLDS

1. DELETED.
2. DELETED.
3. DELETED.
4. DELETED.

As Commissioning
28.03.2025
Giandonato De Nissier

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	09/09/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	12/06/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	15/02/2024	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)
00	20/10/2023	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)

CROSSWIND

ROSETTI MARINO

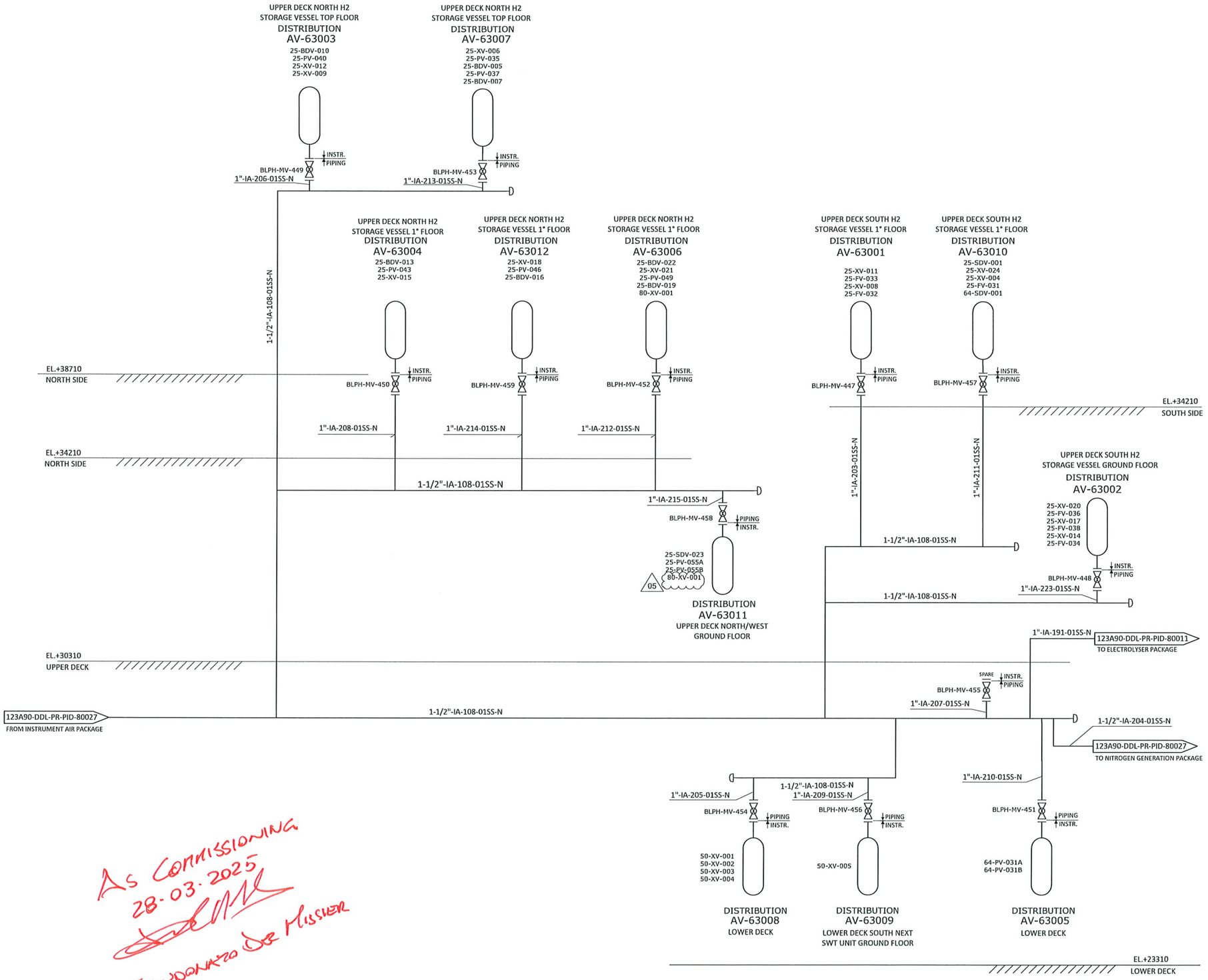
TITLE :
BLPH PIPING AND INSTRUMENTATION DIAGRAM
INSTRUMENT AIR PACKAGE

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE NTS
DRAWN	CHECKED	APPROVED	DATE
A1	DRAWING NO. 123A90-DDL-PR-PID-80027		SHEET 001 / REV. 03

File Name : FILE_NAME

DRAWING NO. DRAWING_NO.

REV. REV



As Commissioning
28.03.2025
Gianfranco De Missier

NOTES

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
05	16/04/2025	CIM	RZI	CGI	ACCEPTED FOR CONSTRUCTION (AFC)
04	11/10/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
03	09/09/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	12/06/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	15/02/2024	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)
00	20/10/2023	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)

CROSSWIND

ROSETTI MARINO

TITLE :
BLPH PIPING AND INSTRUMENTATION DIAGRAM
INSTRUMENT AIR DISTRIBUTION HEADER

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE NTS
DRAWN	CHECKED	APPROVED	DATE
A1	DRAWING NO. 123A90-DDL-PR-PID-80041	SHEET 001	REV. 05

File Name : FILE_NAME

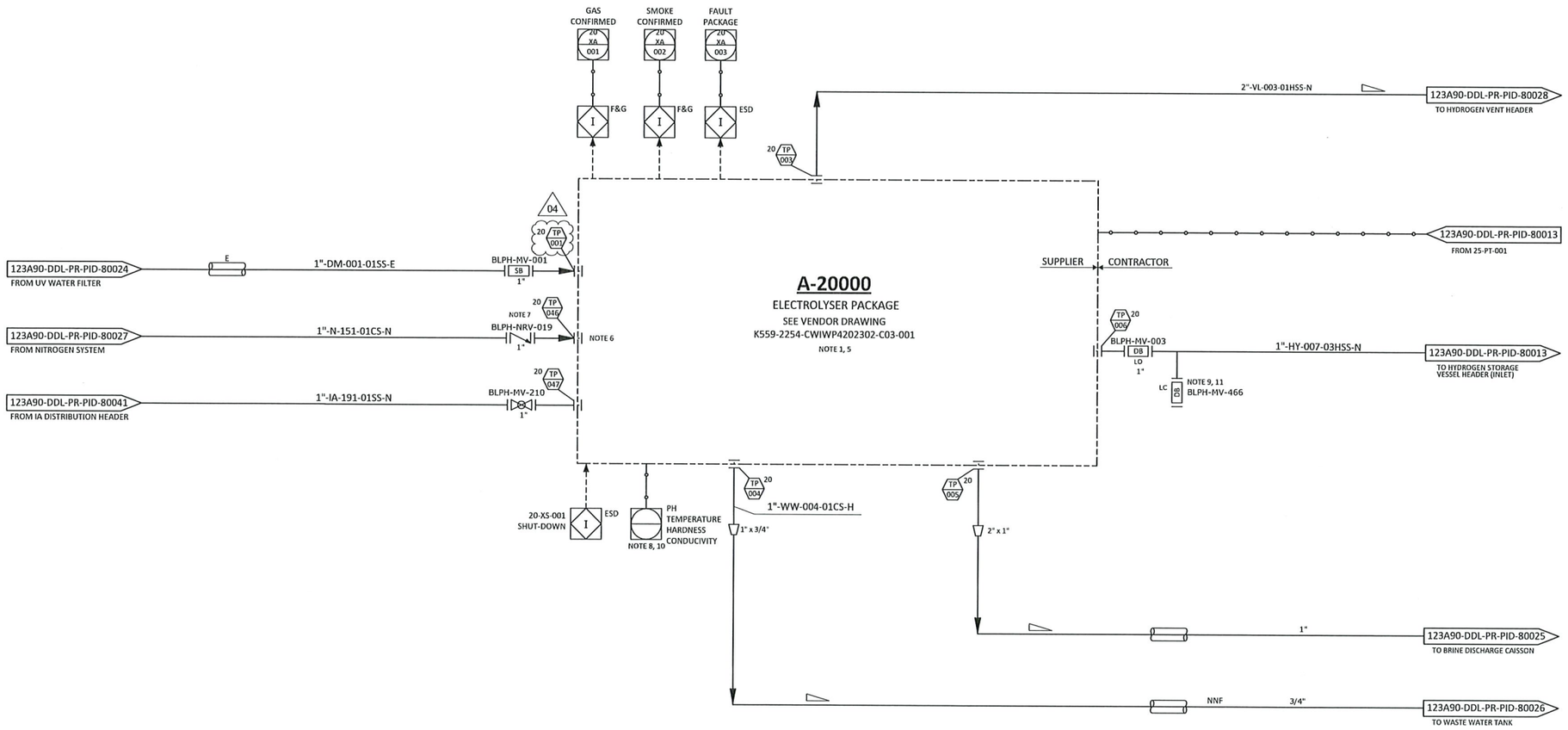
DRAWING NO. DRAWING_NO.

REV. REV

A-20000

ELECTROLYSER PACKAGE

DUTY: 2.5MW
DESIGN PRESSURE: 40 barg
DESIGN TEMPERATURE: 80 °C
H2 GENERATING CAPACITY: 500 Nm³/h



NOTES

1. PACKAGE SUPPLIED WITH POWER FROM THE BLPH ELECTRICAL SYSTEM.
2. DELETED.
3. DELETED.
4. DELETED.
5. ELECTROLYSER PACKAGE INCLUDES AN OXYGEN VENT LINE WHICH IS IN THE SCOPE OF SUPPLY OF THE ELECTROLYSER PACKAGE UP TO THE ATMOSPHERE. NO PHYSICAL INTERFACE IS PRESENT BETWEEN ELECTROLYSER PACKAGE AND CONTRACTOR ON THIS LINE.
6. AN ISOLATION VALVE DOWNSTREAM THE CHECK VALVE NRV-019 IS PROVIDED WITHIN THE PACKAGE A-20000.
7. CHECK VALVE NRV-019 TO BE INSTALLED AS CLOSE AS POSSIBLE TO THE ELECTROLYSER PACKAGE A-20000.
8. SERIAL COMMUNICATION WITH CONTROL SYSTEM.
9. NITROGEN PURGING CONNECTION TO BE LOCATED AS CLOSE AS POSSIBLE TO MANUAL VALVE BLPH-MV-003.
10. PH, TEMPERATURE, HARDNESS AND CONDUCTIVITY SHALL BE SENT FROM CONTROL SYSTEM TO ELECTROLISER UCP IN ADDITION TO THE OTHER SOFTWARE SIGNALS.
11. MANUAL VALVE BLPH-MV-466 TO BE CONNECTED WITH MANUAL VALVE BLPH-MV-275 (INSTALLED ON NITROGEN GENERATION PACKAGE EXIT LINE) BY MEAN ON A FLEXIBLE HOSE DURING COMMISSIONING PHASE FOR PURGING OPERATION.

HOLDS

As Commissioning
02-04-2025
Giandonato De Missier

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	16/04/2025	CIM	RZI	CGI	ACCEPTED FOR CONSTRUCTION (AFC)
03	09/09/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
02	12/06/2024	CIM	RZI	DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	15/02/2024	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)
00	20/10/2023	CIM	RZI	DLO	ISSUE FOR ACCEPTANCE (IFA)

CROSSWIND

ROSETTI MARINO

TITLE :
BLPH PIPING AND INSTRUMENTATION DIAGRAM
ELECTROLYSER PACKAGE

CONTRACT NO./TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK		SCALE	NTS
DRAWN	CHECKED	APPROVED	DATE	
A1	DRAWING NO. 123A90-DDL-PR-PID-80011		SHEET 001	REV. 04

File Name : FILE_NAME

Section 3 CONSOLIDATED PUNCH LISTS

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 63 Instrument Air

SUBSYSTEM 63-30 Instrument Air Distribution Network

Piping

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30002095	B	63-30-TP-027 C10003436	Sk.36 (Sh.1/8): For support PS-02075.1 the position F1 (UPN80) has not been installed yet. Pipe is not supported.	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002097	B	63-30-TP-027 C10003436	Sk.36 (Sh.1/8): For support PS-02028.1 the position F3 (UPN100) has been installed but is shorter than required. S-211 cannot be installed	.		KAlbonetti 2024-12-20	2025-02-28	Lmussi 2025-02-28	2025-02-28
C30002100	B	63-30-TP-027 C10003436	SK.095: Spool D, Spool E, Spool F have not been aligned as for the isometric due the scaffolding clashing with them. It has not been possible to	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002105	B	63-30-TP-027 C10003436	SK.36 (Sh.4/8): It has been found and additional piping support not in the isometric that has been installed in between the PS-03094.1 and	.		KAlbonetti 2024-12-20	2025-02-28	Lmussi 2025-02-28	2025-02-28
C30002108	B	63-30-TP-027 C10003436	Sk.95 (Sh.1/1): The support PS-02092.2 is still in the isometric but as for rev.1 of Piping support book (123A90-DDL-PP-DD-72000) it is not	.		KAlbonetti 2024-12-20	2025-04-02	LNovaga 2025-04-02	2025-04-02
C30002113	B	63-30-TP-027 C10003436	SK.110: The structural part of support PS-03142.1 has not been installed.	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002114	B	63-30-TP-027 C10003436	SK.112: The structural part of support PS-03143.1 has not been installed.	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002115	B	63-30-TP-027 C10003436	SK.106: The structural part of support PS-03144.1 has not been installed.	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17
C30002116	B	63-30-TP-027 C10003436	For all supports type S-211 the isolating ruber, the gap, the lock nuts and the washers shall be checked again during reinstatement because they	.		KAlbonetti 2024-12-20	2025-02-17	KAlbonetti 2025-02-17	2025-02-17

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 63 Instrument Air
SUBSYSTEM 63-30 Instrument Air Distribution Network

Piping

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30003405	B	63-30-TP-027 C10003436	PS-03156 is a mistake. There is no space in field for it and there is no support shown in the 3D.	.	Changes have been recorded on RLMUs	KAlbonetti 2025-01-30	RDegliEsposti 2025-06-25	RDegliEsposti 2025-06-25	2025-06-25
C30003406	B	63-30-TP-027 C10003436	PS-03155 is a mistake. There is no space in field for it and there is no support shown in the 3D.	.	Changes have been recorded on RLMUs	KAlbonetti 2025-01-30	RDegliEsposti 2025-06-25	RDegliEsposti 2025-06-25	2025-06-25
C30003466	B	63-30-TP-027 C10003437	Support PS-03142 not installed. ISO 123A90-FDL-PP-DI-00110-01	.		MBruschi 2025-02-03	2025-04-04	LNovaga 2025-04-04	2025-04-04
C30003467	B	63-30-TP-027 C10003437	Support PS- 03143 not installed. ISO 123A90-FDL-PP-DI-00112-01	.		MBruschi 2025-02-03	2025-04-04	LNovaga 2025-04-04	2025-04-04
C30003468	B	63-30-TP-027 C10003437	Support PS-03144 not installed. ISO 123A90-FDL-PP-DI-00106-01	.		MBruschi 2025-02-03	2025-04-04	LNovaga 2025-04-04	2025-04-04
C30003469	B	63-30-TP-027 C10003437	Isolation rubber on Support PS-02008 (S-211) is damaged	.		MBruschi 2025-02-03	2025-02-28	Lmussi 2025-02-28	2025-02-28
C30003554	B	63-30-TP-027 C10003438	Color coding and fluid direction are missing.	.		KAlbonetti 2025-02-05	2025-03-21	LNovaga 2025-03-21	2025-03-21
C30003555	B	63-30-TP-027 C10003438	General touch up do to, especially near the supports of the piping line.	.		KAlbonetti 2025-02-05	2025-03-03	LNovaga 2025-03-03	2025-03-03
C30004315	B	63-30-TP-027 C10003437	Support PS-03142.1 (SK 110), support PS-03143.1 (SK 112) and support PS-03144.1 are installed 160 mm below penetration T.O.S.	.	Changes have been recorded on RLMUs	LNovaga 2025-04-03	RDegliEsposti 2025-06-25	RDegliEsposti 2025-06-25	2025-06-25

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 63 Instrument Air
SUBSYSTEM 63-30 Instrument Air Distribution Network

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30003146	B	C-63-PT-004/B400-SIS-001 C10000179	Missing SS tag side the instrument. (63-PT-004). See attached photo.	.		Gtangianu 2025-01-22	2025-02-21	AAndreani 2025-02-21	2025-02-21
C30003147	B	C-63-PT-004/B400-SIS-001 C10000179	Missing identification wire tas side the B400-SIS-001.See attached photo.	.		Gtangianu 2025-01-22	2025-04-11	Gtangianu 2025-04-11	2025-04-11
C30003206	B	C-63-PT-003/B400-PCS-002 C10000129	Missing identification tag wire. See attached photo.	.		Gtangianu 2025-01-25	2025-04-11	Gtangianu 2025-04-11	2025-04-11
C30003233	B	AV-63005 C10002007	Missing traffolyte tag , on air distribution pot.	.		APolo 2025-01-28	2025-02-12	APolo 2025-02-12	2025-02-12
C30003234	B	AV-63005 C10002007	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-01-28	2025-02-04	APolo 2025-02-04	2025-02-04
C30003255	B	AV-63005 C10002007	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-01-28	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003315	B	AV-63001 C10002000	Missing traffolyte tag side Air Distribution Pot	.		APolo 2025-01-30	2025-02-18	AAndreani 2025-02-18	2025-02-18
C30003316	B	AV-63001 C10002000	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003317	B	AV-63001 C10002000	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 63 Instrument Air
SUBSYSTEM 63-30 Instrument Air Distribution Network

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30003318	B	AV-63010 C10002001	Missing traffolyte tag side Air Distribution Pot	.		APolo 2025-01-30	2025-02-18	AAndreani 2025-02-18	2025-02-18
C30003319	B	AV-63010 C10002001	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003320	B	AV-63010 C10002001	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003321	B	AV-63002 C10002004	Missing traffolyte tag side Air Distribution Pot	.		APolo 2025-01-30	2025-02-18	AAndreani 2025-02-18	2025-02-18
C30003322	B	AV-63002 C10002004	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003323	B	AV-63002 C10002004	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-01-30	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003520	B	AV-63008 C10002010	For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT	.		APolo 2025-02-04	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003521	B	AV-63008 C10002010	Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).	.		APolo 2025-02-04	2025-02-18	Ecarotenuto 2025-02-18	2025-02-18
C30003895	B	AV-63006 C10002008	Found the plug with teflon.See attached photo.	.		Gtangianu 2025-02-17	2025-02-19	Gtangianu 2025-02-19	2025-02-19

Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 63 Instrument Air
SUBSYSTEM 63-30 Instrument Air Distribution Network

Instrumental

CODE	CAT	ITEM	DEFECT DESCRIPTION	CORRECTIVE ACTION	PERFORMED ACTION	ISSUED	CARRIED	CHECKED	APPROVED
C30003969	B	AV-63007 C10002009	Need to remove the teflon on the plug. See attached photo.	.		Gtangianu 2025-02-18	2025-02-25	APolo 2025-02-25	2025-02-25
C30003970	B	AV-63003 C10002005	Need to remove the teflon on the plug. See attached photo.	.		Gtangianu 2025-02-18	2025-02-25	APolo 2025-02-25	2025-02-25

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002100

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

SK.095: Spool D, Spool E, Spool F have not been aligned as for the isometric due the scaffolding clashing with them. It has not been possible to verify the flanged connection to Spool C of same Sketch and to connection point TP-47 of the Electrolyzer package (A-20000).

Name: Kangi Albonetti
Date: 2024-12-20
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2024-12-20
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

Done.

Name: Kangi Albonetti
Date: 2025-02-17
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002105

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

SK.36 (Sh.4/8): It has been found and additional piping support not in the isometric that has been installed in between the PS-03094.1 and PS-03091.1. The support is similar to PS-03147 but turned at 90°.

Name: Kangi Albonetti

Date: 2024-12-20

Signature:

3 - DEFECT ASSESSMENT

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3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2024-12-20
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Done

Name: Luca Mussi

Date: 2025-02-28

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002108

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Sk.95 (Sh.1/1): The support PS-02092.2 is still in the isometric but as for rev.1 of Piping support book (123A90-DDL-PP-DD-72000) it is not applicable anymore to the line 1"-IA-191-01SS-N. Before it, a new support (PS-02141) has been installed but has not been recorded in the isometrci.

Name: Kangi Albonetti

Date: 2024-12-20

Signature:

3 - DEFECT ASSESSMENT

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3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2024-12-20
3.5 Action by	ENG Engineering	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Document marked-up.

Name: Lorenzo Novaga

Date: 2025-04-02

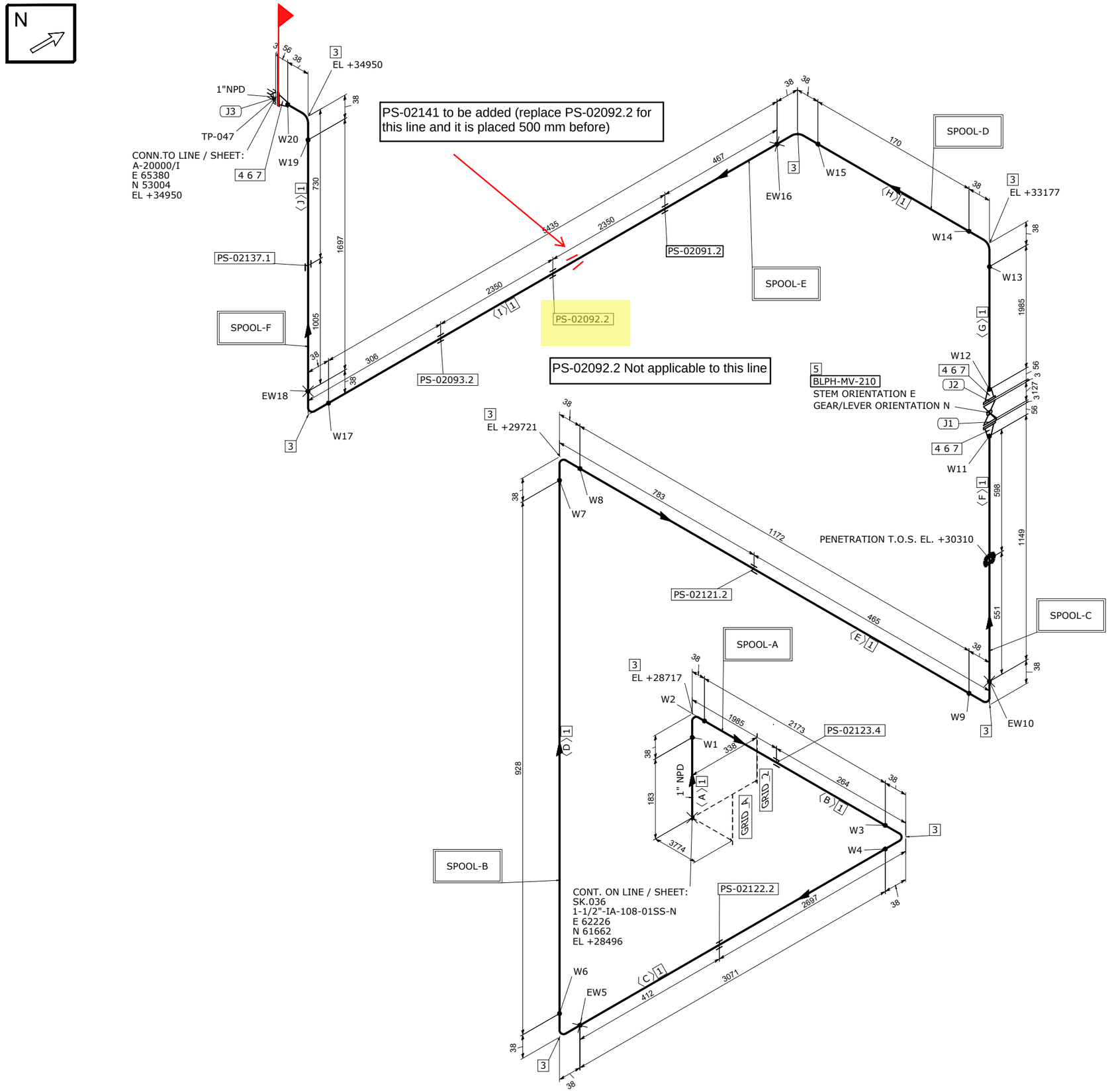
Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:



MATERIAL LIST

FABRICATION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
1	1	PIPESS00480100	Pipe ASME B36.19M PE 3,38 SML ASTM A312 Gr.TP316/316L	17.9M	45.6
3	1	E90RSS00670100	90 Deg Elbow Long Radius ASME B16.9 BW 3,38 WRS ASTM A403 Gr.WP316/316L	9	1.3
4	1	FLW0SS00930100	Flange WN ASME B16.5 150LB RF 3,38 FRG	3	4.3

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
5	1	VBC0NN06950100	Ball Valve Split Body FB API 6D FLG 150LB RF BS01C01RF	1	6.0
6	1	GSW0GK11100100	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	3	0.2
7	1/2	SB20BO01080200	65 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	12	1.4

FABRICATION WEIGHT [kg]	51.2
ERECTION WEIGHT [kg]	7.6
OVERALL WEIGHT [kg]	58.8

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
W1	1	BW
W2	1	BW
W3	1	BW
W4	1	BW
EW5	1	BW
W6	1	BW
W7	1	BW
W8	1	BW
W9	1	BW
EW10	1	BW
W11	1	BW
W12	1	BW
W13	1	BW
W14	1	BW
W15	1	BW
EW16	1	BW
W17	1	BW
EW18	1	BW
W19	1	BW
W20	1	BW

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
A	1	183	BEVEL	BEVEL
B	1	2173	BEVEL	BEVEL
C	1	3071	BEVEL	BEVEL
D	1	928	BEVEL	BEVEL
E	1	1172	BEVEL	BEVEL
F	1	1149	BEVEL	BEVEL
G	1	1985	BEVEL	BEVEL
H	1	170	BEVEL	BEVEL
I	1	5435	BEVEL	BEVEL
J	1	1697	BEVEL	BEVEL

SUPPORT LIST

PS-02123.4
PS-02122.2
PS-02121.2
PS-02091.2
PS-02092.2
PS-02093.2
PS-02137.1

SPOOL	WELD [inches]	WEIGHT [kg]
A	4	14.1
B	4	5.8
C	1	4.3
D	4	7.3
E	1	13.7
F	2	5.9
MONT	4	7.6

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	20-08-2024	STAFF SRL	RT	LM	ISSUED FOR CONSTRUCTION

63-30-TP-027

MASTER

LINE DATA

NDT INSPECTION CATEGORY	2		PED CATEGORY	Art. 4, par.3				
PAINTING	SYSTEM 6A	BASE RAL RAL-9002	FLUID PHASE	GAS				
INSULATION	TYPE N	THICKNESS [mm]	DESIGN	PRESS. 12	[barg]	TEMP. -29 / 100	[°C]	
HEAT TRACING	N/A		TEST	PRESS. 18	[barg]	TEMP. AMB.	MEDIUM Water	

REFERENCE DOCUMENTS

P&ID	123A90-DDL-PR-PID-80041
ISOMETRIC SHOP DWG LIST	123A90-FDL-PP-LIS-00001
PIPING SUPPORT BOOK	123A90-DDL-PP-DD-72000
PIPING MATERIAL CLASS	123A90-DDL-PP-SP-70029

NOTES

CROSSWIND

ROSETTI MARINO

TITLE: SHOP DRAWING ISOMETRIC
LINE NR. 1"-IA-191-01SS-N

SK.095

CONTRACT NO./ TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK			SCALE	N/A
DRAWN STAFF SRL	CHECKED RT	APPROVED LM		DATE	20-08-2024
FORMAT A3	DRAWING NO. 123A90-FDL-PP-DI-00095			SHEET / OF 1/1	REV. 00

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002113

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

SK.110: The structural part of support PS-03142.1 has not been installed.

Name: Kangi Albonetti

Date: 2024-12-20

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2024-12-20
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Kangi Albonetti

Date: 2025-02-17

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002114

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

SK.112: The structural part of support PS-03143.1 has not been installed.

Name: Kangi Albonetti

Date: 2024-12-20

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2024-12-20
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Kangi Albonetti

Date: 2025-02-17

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002115

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

SK.106: The structural part of support PS-03144.1 has not been installed.

Name: Kangi Albonetti

Date: 2024-12-20

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2024-12-20
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Kangi Albonetti

Date: 2025-02-17

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002116

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

For all supports type S-211 the isolating ruber, the gap, the lock nuts and the washers shall be checked again during reinstatement because they have not been installed properly before the test.

Name: Kangi Albonetti
Date: 2024-12-20
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2024-12-20
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date: 2025-02-17
Signature:

5 - CLEARANCE CHECK

Done.

Name: Kangi Albonetti
Date: 2025-02-17
Signature:

6- CLEARANCE APPROVAL

Name:
Date: 2025-02-17
Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003146

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000179	1.4 Discipline	Instrumental
1.2 Item	C-63-PT-004/B400-SIS-001	PRESSURE TRANSMITTER / MARSHALLING PCS	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing SS tag side the instrument. (63-PT-004). See attached photo.

Name: Giovanni Tangianu

Date: 2025-01-22

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-01-22
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Andrea Andreani

Date: 2025-02-21

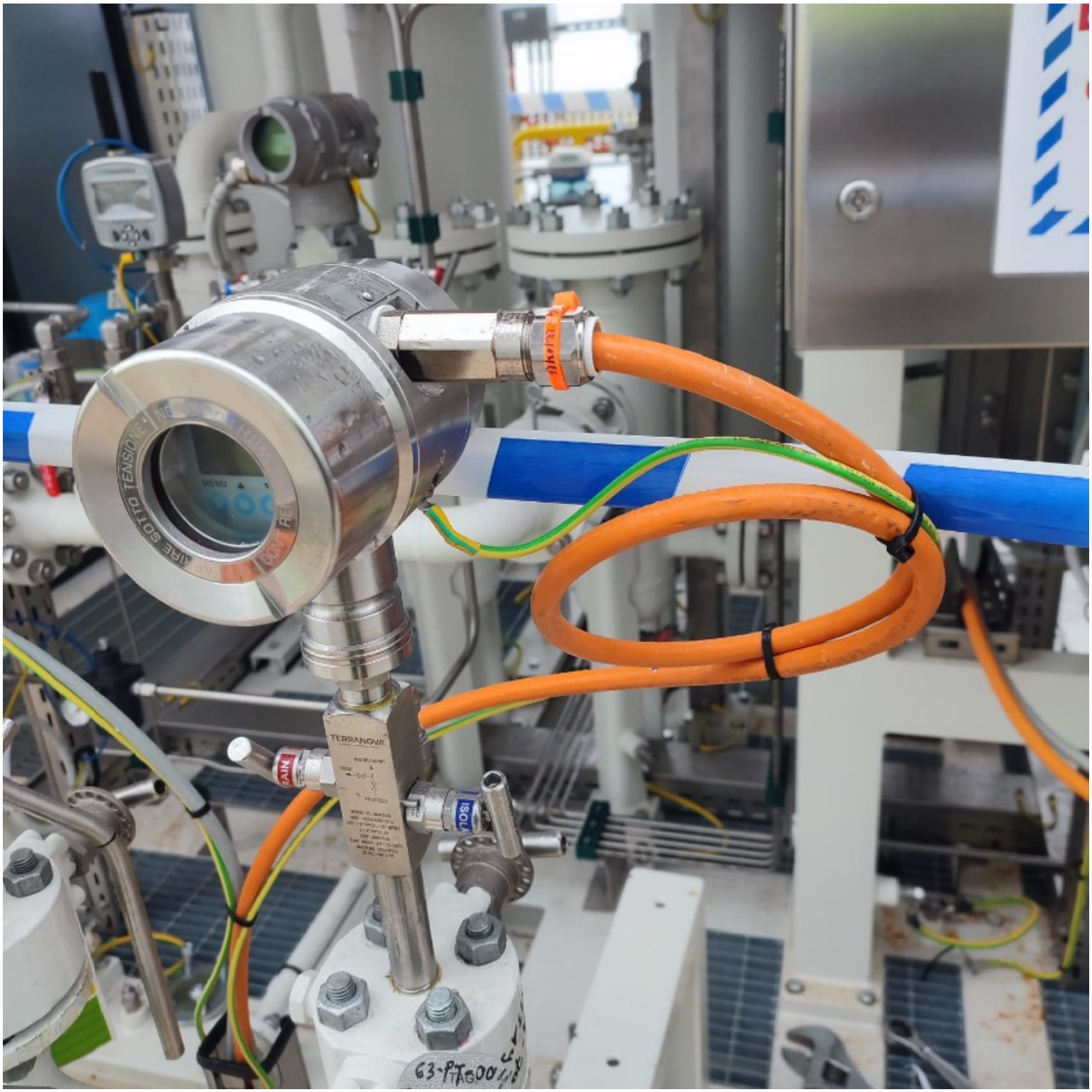
Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:


MENU
TERRANOVA
63-PTA600

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003147

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000179	1.4 Discipline	Instrumental
1.2 Item	C-63-PT-004/B400-SIS-001	PRESSURE TRANSMITTER / MARSHALLING PCS	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing identification wire tas side the B400-SIS-001.See attached photo.

Name: Giovanni Tangianu

Date: 2025-01-22

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-01-22
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-11

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:


20
22
24
2
4
6
8
10
12
4/TB-00-JE-21002/4/00-JE-21002/PR2
6/TB-00-JE-21002/6/00-JE-21002/PR3
8/TB-00-JE-21002/8/00-JE-21002/PR4
10/TB-00-JE-21002/10/00-JE-21002/PR5
12/TB-00-JE-21002/12/00-JE-21002/PR6
TB-63-PT-004

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003206

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10000129	1.4 Discipline	Instrumental
1.2 Item	C-63-PT-003/B400-PCS-002	PRESSURE TRANSMITTER / MARSHALLING PCS	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing identification tag wire. See attached photo.

Name: Giovanni Tangianu

Date: 2025-01-25

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-01-25
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Giovanni Tangianu

Date: 2025-04-11

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:


TB-C-63-PT-003
2/TB-00-JE-11006/2/00-JE-11006/PR1
4/TB-00-JE-11006/4/00-JE-11006/PR2
6/TB-00-JE-11006/6/00-JE-11006/PR3
12/TB-00-JE-11006/12/00-JE-11006/PR6

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003233

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002007	1.4 Discipline	Instrumental
1.2 Item	AV-63005	Air Distribution Pot 5	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing traffolyte tag , on air distribution pot.

Name: Alessio Polo

Date: 2025-01-28

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-28
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-11

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:


CHECKLIST
ROSETTI MARINO
BALL VALVE

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003234

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002007	1.4 Discipline	Instrumental
1.2 Item	AV-63005	Air Distribution Pot 5	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).

Name: Alessio Polo
Date: 2025-01-28
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-28
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo
Date: 2025-02-04
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:


CHECKLIST
ROSETTI MARINO
BALL VALVE

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003255

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002007	1.4 Discipline	Instrumental
1.2 Item	AV-63005	Air Distribution Pot 5	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT ALLOWED.

Name: Alessio Polo
Date: 2025-01-28
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-28
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

Teflon tape removed. Point closed

Name: Eleonora Carotenuto
Date: 2025-02-18
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003315

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002000	1.4 Discipline	Instrumental
1.2 Item	AV-63001	Air Distribution Pot 1	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing traffolyte tag side Air Distribution Pot

Name: Alessio Polo

Date: 2025-01-30

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Andrea Andreani

Date: 2025-02-07

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003316

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002000	1.4 Discipline	Instrumental
1.2 Item	AV-63001	Air Distribution Pot 1	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).

Name: Alessio Polo
Date: 2025-01-30
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto
Date: 2025-02-18
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:


BALL VALVE
AE system
BALL VALVE
BALL VALVE
BALL VALVE

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003317

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002000	1.4 Discipline	Instrumental
1.2 Item	AV-63001	Air Distribution Pot 1	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT ALLOWED.

Name: Alessio Polo
Date: 2025-01-30
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

Teflon tape removed. Point closed

Name: Eleonora Carotenuto
Date: 2025-02-18
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:


ON
OFF
BALL VALVE

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003318

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002001	1.4 Discipline	Instrumental
1.2 Item	AV-63010	Air Distribution Pot 10	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing traffolyte tag side Air Distribution Pot

Name: Alessio Polo

Date: 2025-01-30

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Andrea Andreani

Date: 2025-02-07

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003319

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002001	1.4 Discipline	Instrumental
1.2 Item	AV-63010	Air Distribution Pot 10	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).

Name: Alessio Polo
Date: 2025-01-30
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto
Date: 2025-02-18
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:


BALL VALVE
BALL VALVE
BALL VALVE
AF system

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003320

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002001	1.4 Discipline	Instrumental
1.2 Item	AV-63010	Air Distribution Pot 10	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT ALLOWED.

Name: Alessio Polo
Date: 2025-01-30
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

Teflon tape removed. Point closed

Name: Eleonora Carotenuto
Date: 2025-02-18
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:


ON
OFF
BALL VALVE

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003321

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002004	1.4 Discipline	Instrumental
1.2 Item	AV-63002	Air Distribution Pot 2	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing traffolyte tag side Air Distribution Pot

Name: Alessio Polo

Date: 2025-01-30

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Andrea Andreani

Date: 2025-02-07

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003322

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002004	1.4 Discipline	Instrumental
1.2 Item	AV-63002	Air Distribution Pot 2	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).

Name: Alessio Polo
Date: 2025-01-30
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto
Date: 2025-02-18
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:


ROSSETTI MARINO
SYSTEM
LINE N°
63-2
JOINT N°
TORQUED
DATE
FLANGE TAG
FLANGE TESTED
BALL VALVE

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003323

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002004	1.4 Discipline	Instrumental
1.2 Item	AV-63002	Air Distribution Pot 2	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT ALLOWED.

Name: Alessio Polo
Date: 2025-01-30
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

Teflon tape removed. Point closed

Name: Eleonora Carotenuto
Date: 2025-02-18
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:


ON
OFF
BALL VALVE

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003405

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

PS-03156 is a mistake. There is no space in field for it and there is no support shown in the 3D.

Name: Kangi Albonetti

Date: 2025-01-30

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	ENG Engineering	Signature	

4 - PERFORMED ACTION

Changes have been recorded on RLMUs

Name: Raffaele Degli Esposti

Date: 2025-06-25

Signature:

5 - CLEARANCE CHECK

"Ref. to already officialy issed iso doc. 123A90-FDL-PP-DI-00112-01_01"

Name: Raffaele Degli Esposti

Date: 2025-06-25

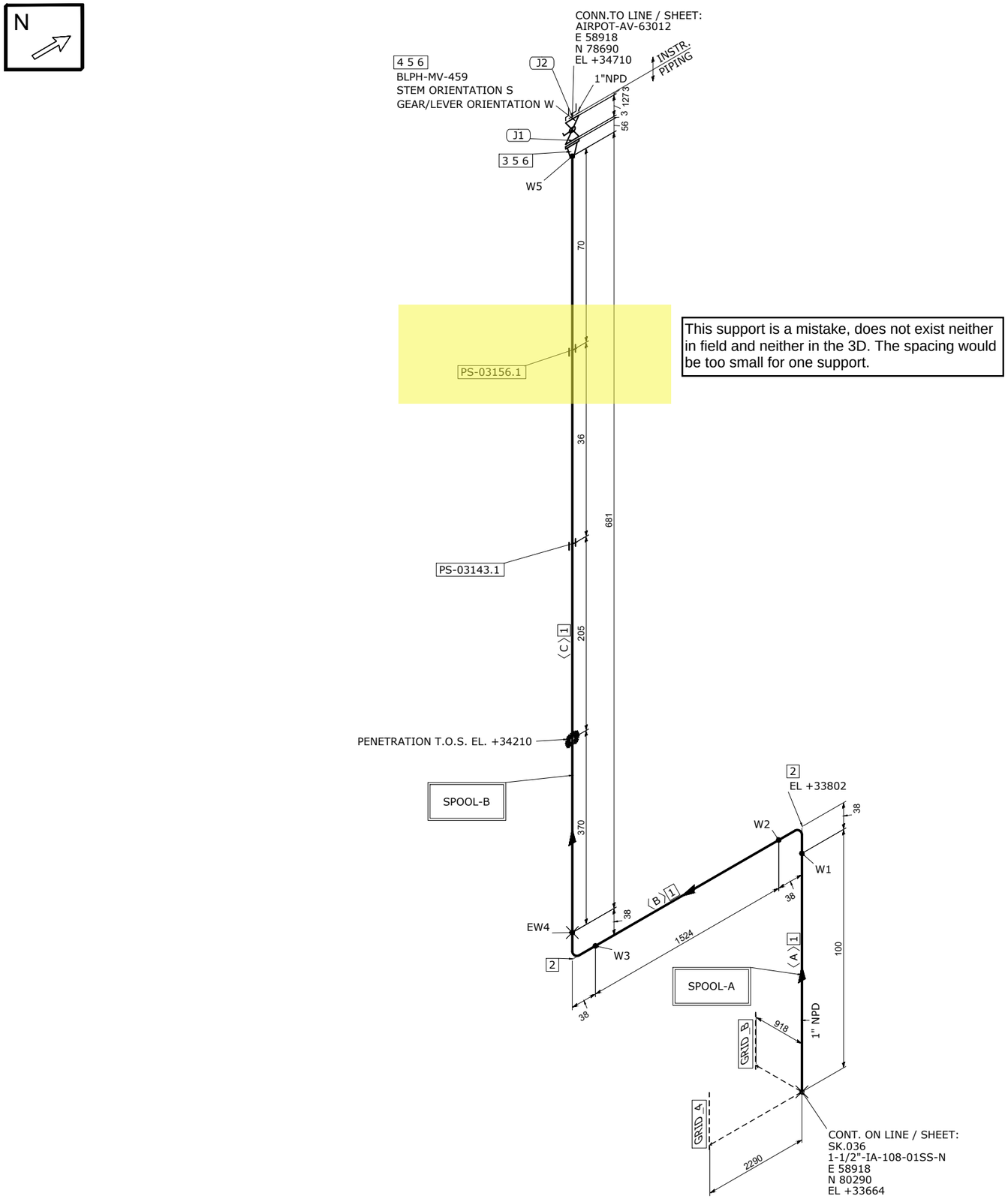
Signature:

6- CLEARANCE APPROVAL

Name:

Date: 2025-06-25

Signature:



MATERIAL LIST

FABRICATION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
1	1	PIPESS00480100	Pipe ASME B36.19M PE 3,38 SML ASTM A312 Gr.TP316/316L	2.3M	5.9
2	1	E90RSS00670100	90 Deg Elbow Long Radius ASME B16.9 BW 3,38 WRS ASTM A403 Gr.WP316/316L	2	0.3
3	1	FLW0SS00930100	Flange WN ASME B16.5 150LB RF 3,38 FRG ASTM A182 Gr.F316/316L	1	1.4

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
4	1	VBC0NN06950100	Ball Valve Split Body FB API 6D FLG 150LB RF BS01C01RF	1	6.0
5	1	GSW0GK11100100	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	2	0.1
6	1/2	SB20BO01080200	65 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	8	1.0

FABRICATION WEIGHT [kg]	7.6
ERECTION WEIGHT [kg]	7.1
OVERALL WEIGHT [kg]	14.7

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
W1	1	BW
W2	1	BW
W3	1	BW
EW4	1	BW
W5	1	BW

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
A	1	100	BEVEL	BEVEL
B	1	1524	BEVEL	BEVEL
C	1	681	BEVEL	BEVEL

SUPPORT LIST

PS-03143.1
PS-03156.1

SPOOL	WELD [inches]	WEIGHT [kg]
A	3	4.4
B	1	3.1
MONT	1	7.1

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	20-08-2024	STAFF SRL	RT	LM	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE
SHOP DRAWING ISOMETRIC
LINE NR. 1"-IA-214-01SS-N

SK.112

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

SCALE: N/A

DRAWN: STAFF SRL | CHECKED: RT | APPROVED: LM | DATE: 20-08-2024

FORMAT: A3 | DRAWING NO.: 123A90-FDL-PP-DI-00112 | SHEET / OF: 1/1 | REV.: 00

LINE DATA

NDT INSPECTION CATEGORY	2		PED CATEGORY	Art. 4, par.3					
PAINTING	SYSTEM 6A	BASE RAL RAL-9002	FLUID PHASE	Gas					
INSULATION	TYPE N	THICKNESS [mm]	DESIGN	PRESS.12 [barg]	TEMP. -29 / 100 [°C]				
HEAT TRACING	N/A		TEST	PRESS.18 [barg]	TEMP. AMB	MEDIUM Water			

REFERENCE DOCUMENTS

P&ID	123A90-DDL-PR-PID-80041
ISOMETRIC SHOP DWG LIST	123A90-FDL-PP-LIS-00001
PIPING SUPPORT BOOK	123A90-DDL-PP-DD-72000
PIPING MATERIAL CLASS	123A90-DDL-PP-SP-70029

NOTES

MASTER

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003406

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

PS-03155 is a mistake. There is no space in field for it and there is no support shown in the 3D.

Name: Kangi Albonetti

Date: 2025-01-30

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2025-01-30
3.5 Action by	ENG Engineering	Signature	

4 - PERFORMED ACTION

Changes have been recorded on RLMUs

Name: Raffaele Degli Esposti

Date: 2025-06-25

Signature:

5 - CLEARANCE CHECK

"Ref. to already officialy issed iso doc. 123A90-FDL-PP-DI-00106-01_01"

Name: Raffaele Degli Esposti

Date: 2025-06-25

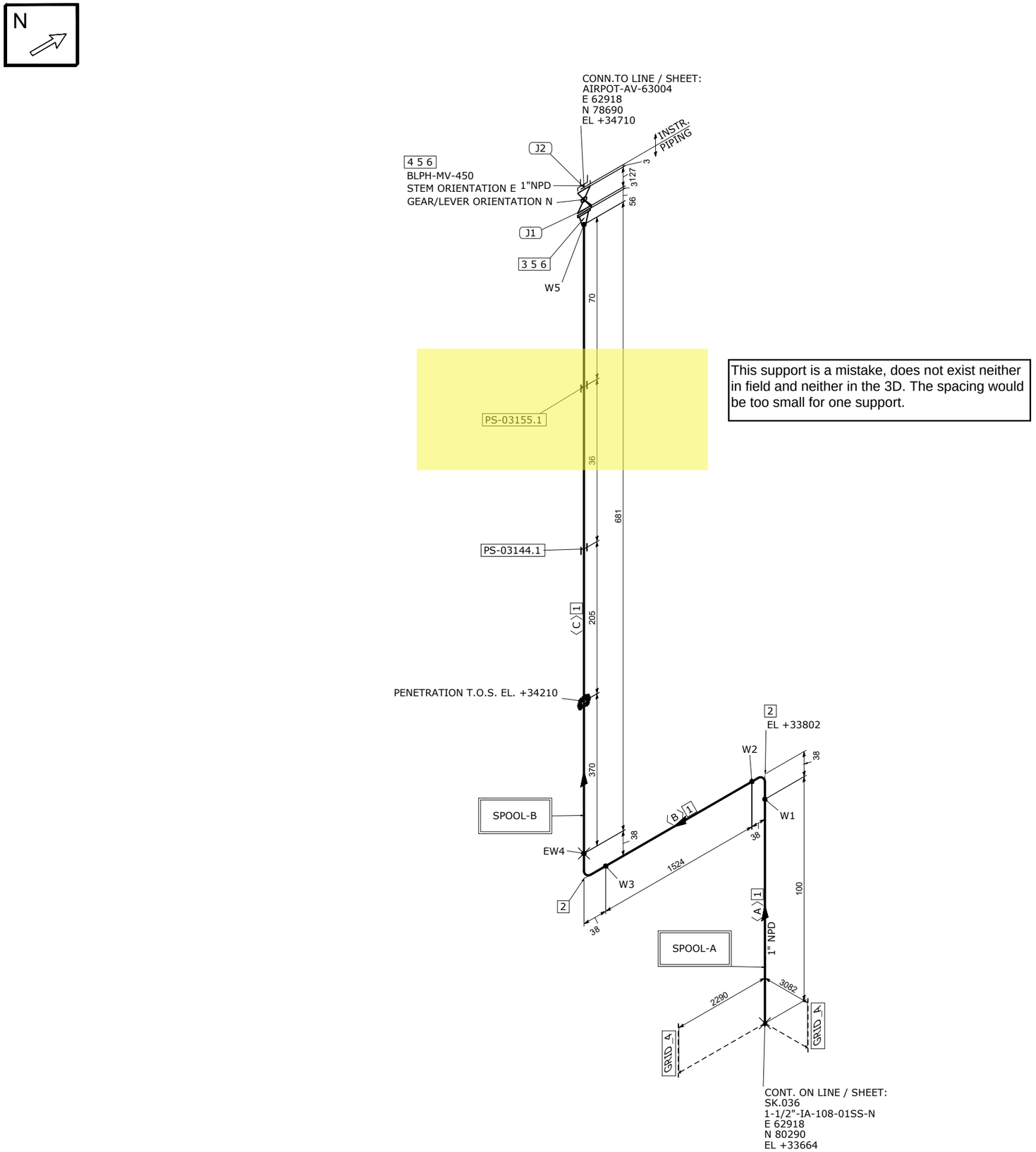
Signature:

6- CLEARANCE APPROVAL

Name:

Date: 2025-06-25

Signature:



This support is a mistake, does not exist neither in field and neither in the 3D. The spacing would be too small for one support.

MATERIAL LIST

FABRICATION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
1	1	PIPESS00480100	Pipe ASME B36.19M PE 3,38 SML ASTM A312 Gr.TP316/316L	2.3M	5.9
2	1	E90RSS00670100	90 Deg Elbow Long Radius ASME B16.9 BW 3,38 WRS ASTM A403 Gr.WP316/316L	2	0.3
3	1	FLW0SS00930100	Flange WN ASME B16.5 150LB RF 3,38 FRG ASTM A182 Gr.F316/316L	1	1.4

ERECTION

POS.	SIZE	SAP CODE	DESCRIPTION	Q.TY	WEIGHT [kg]
4	1	VBC0NN06950100	Ball Valve Split Body FB API 6D FLG 150LB RF BS01C01RF	1	6.0
5	1	GSW0GK11100100	Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING	2	0.1
6	1/2	SB20BO01080200	65 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized	8	1.0

FABRICATION WEIGHT [kg]	7.6
ERECTION WEIGHT [kg]	7.1
OVERALL WEIGHT [kg]	14.7

WELD SUMMARY

WELD No.	SIZE [inches]	TYPE
W1	1	BW
W2	1	BW
W3	1	BW
EW4	1	BW
W5	1	BW

CUTTING LIST

PIECE No.	SIZE [inches]	LENGTH [mm]	END PREP.1	END PREP.2
A	1	100	BEVEL	BEVEL
B	1	1524	BEVEL	BEVEL
C	1	681	BEVEL	BEVEL

SUPPORT LIST

PS-03144.1
PS-03155.1

SPOOL	WELD [inches]	WEIGHT [kg]
A	3	4.4
B	1	3.1
MONT	1	7.1

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
00	20-08-2024	STAFF SRL	RT	LM	ISSUED FOR CONSTRUCTION

CROSSWIND

ROSETTI MARINO

TITLE
SHOP DRAWING ISOMETRIC
LINE NR. 1"-IA-208-01SS-N

SK.106

LINE DATA

NDT INSPECTION CATEGORY	2		PED CATEGORY	Art. 4, par. 3			
PAINTING	SYSTEM 6A	BASE RAL RAL-9002	FLUID PHASE	Gas			
INSULATION	TYPE N	THICKNESS [mm]	DESIGN	PRESS. 12 [barg]	TEMP. -29 / 100 [°C]		
HEAT TRACING	N/A		TEST	PRESS. 18 [barg]	TEMP. AMB	MEDIUM Water	

REFERENCE DOCUMENTS

P&ID	123A90-DDL-PR-PID-80041
ISOMETRIC SHOP DWG LIST	123A90-FDL-PP-LIS-00001
PIPING SUPPORT BOOK	123A90-DDL-PP-DD-72000
PIPING MATERIAL CLASS	123A90-DDL-PP-SP-70029

NOTES

MASTER

CONTRACT NO./ TITLE	CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK
SCALE	N/A
DRAWN	STAFF SRL
CHECKED	RT
APPROVED	LM
DATE	20-08-2024
FORMAT	A3
DRAWING NO.	123A90-FDL-PP-DI-00106
SHEET / OF	1/1
REV.	00

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003466

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003437	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Support PS-03142 not installed. ISO 123A90-FDL-PP-DI-00110-01

Name: Massimo Bruschi

Date: 2025-02-03

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Massimo Bruschi
3.4 Activity code	MC Mechanical Completion	Date	2025-02-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Lorenzo Novaga

Date: 2025-04-03

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003467

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003437	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Support PS- 03143 not installed. ISO 123A90-FDL-PP-DI-00112-01

Name: Massimo Bruschi

Date: 2025-02-03

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Massimo Bruschi
3.4 Activity code	MC Mechanical Completion	Date	2025-02-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Lorenzo Novaga

Date: 2025-04-03

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003468

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003437	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Support PS-03144 not installed. ISO 123A90-FDL-PP-DI-00106-01

Name: Massimo Bruschi

Date: 2025-02-03

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Massimo Bruschi
3.4 Activity code	MC Mechanical Completion	Date	2025-02-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Installed.

Name: Lorenzo Novaga

Date: 2025-04-03

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003469

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003437	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Isolation rubber on Support PS-02008 (S-211) is damaged

Name: Massimo Bruschi

Date: 2025-02-03

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Massimo Bruschi
3.4 Activity code	MC Mechanical Completion	Date	2025-02-03
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Done

Name: Luca Mussi

Date: 2025-02-28

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003520

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002010	1.4 Discipline	Instrumental
1.2 Item	AV-63008	Air Distribution Pot 8	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

For the installation of the NPT fitting, a suitable sealant must be used according to the line specifications. TEFLON TAPE IS NOT ALLOWED.

Name: Alessio Polo
Date: 2025-02-04
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-02-04
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

Teflon tape removed. Point closed

Name: Eleonora Carotenuto
Date: 2025-02-18
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:



ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003521

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002010	1.4 Discipline	Instrumental
1.2 Item	AV-63008	Air Distribution Pot 8	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Missing Plugs SS316 on air distribution pot. (is not installed according to the specifications 123A90-DDL-IN-HD-40078_Rev.01).

Name: Alessio Polo
Date: 2025-02-04
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Alessio Polo
3.4 Activity code	MC Mechanical Completion	Date	2025-02-04
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:
Date:
Signature:

5 - CLEARANCE CHECK

DONE

Name: Eleonora Carotenuto
Date: 2025-02-18
Signature:

6- CLEARANCE APPROVAL

Name:
Date:
Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003554

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003438	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Color coding and fluid direction are missing.

Name: Kangi Albonetti

Date: 2025-02-05

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2025-02-05
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Done.

Name: Lorenzo Novaga

Date: 2025-03-21

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003555

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003438	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

General touch up do to, especially near the supports of the piping line.

Name: Kangi Albonetti

Date: 2025-02-05

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2025-02-05
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Done.

Name: Lorenzo Novaga

Date: 2025-03-03

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003895

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002008	1.4 Discipline	Instrumental
1.2 Item	AV-63006	Air Distribution Pot 6	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Found the plug with teflon.See attached photo.

Name: Giovanni Tangianu

Date: 2025-02-17

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-02-17
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Done.

Name: Giovanni Tangianu

Date: 2025-02-19

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:


BALL VALVE

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003969

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002009	1.4 Discipline	Instrumental
1.2 Item	AV-63007	Air Distribution Pot 7	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Need to remove the teflon on the plug. See attached photo.

Name: Giovanni Tangianu

Date: 2025-02-18

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-02-18
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-25

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:


ON
OFF
BALL VALVE
AV-63007

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30003970

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10002005	1.4 Discipline	Instrumental
1.2 Item	AV-63003	Air Distribution Pot 3	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Need to remove the teflon on the plug. See attached photo.

Name: Giovanni Tangianu

Date: 2025-02-18

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Giovanni Tangianu
3.4 Activity code	MC Mechanical Completion	Date	2025-02-18
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

DONE

Name: Alessio Polo

Date: 2025-02-25

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:


AV-63003

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30004315

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003437	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Support PS-03142.1 (SK 110), support PS-03143.1 (SK 112) and support PS-03144.1 are installed 160 mm below penetration T.O.S. EL. +34210 and structural supports are UPN50 x 200mm (only pos.F1). Standard S-212 was used instead of S-211 to reduce the mobility of AIRPOTS, if acceptable produce a RLMU on isometrics and support list. See attached photo.

Name: Lorenzo Novaga
Date: 2025-04-03
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Lorenzo Novaga
3.4 Activity code	MC Mechanical Completion	Date	2025-04-03
3.5 Action by	ENG Engineering	Signature	

4 - PERFORMED ACTION

Changes have been recorded on RLMUs

Name: Raffaele Degli Esposti
Date: 2025-06-25
Signature:

5 - CLEARANCE CHECK

"Ref. to RLMU 123A90-DDL-PP-DD-72000-PS-03142_01_01A
+ RLMU 123A90-DDL-PP-DD-72000-PS-03143_01_01A
+ RLMU 123A90-DDL-PP-DD-72000-PS-03144_01_01A"

Name: Raffaele Degli Esposti
Date: 2025-06-25
Signature:

6- CLEARANCE APPROVAL

Name:
Date: 2025-06-25
Signature:


LP VENT

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002095

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Sk.36 (Sh.1/8): For support PS-02075.1 the position F1 (UPN80) has not been installed yet. Pipe is not supported.

Name: Kangi Albonetti
Date: 2024-12-20
Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2024-12-20
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name
Date
Signature

5 - CLEARANCE CHECK

Installed.

Name: Kangi Albonetti
Date: 2025-02-17
Signature:

6- CLEARANCE APPROVAL

Name
Date
Signature

ROSETTI MARINO
CROSSWIND

PUNCH ITEM ENTRY / CLEARANCE FORM

C30002097

PROVERLIS

1 -ELEMENT IDENTIFICATION

1.1 Task	C10003436	1.4 Discipline	Piping
1.2 Item	63-30-TP-027	Test Pack 63-30-TP-027	
1.3 Subsystem	63-30	Instrument Air Distribution Network	

2 - OBSERVATION

Sk.36 (Sh.1/8): For support PS-02028.1 the position F3 (UPN100) has been installed but is shorter than required. S-211 cannot be installed without bending the pipe.

Name: Kangi Albonetti

Date: 2024-12-20

Signature:

3 - DEFECT ASSESSMENT

.

3.1 Corrective action proposal

3.2 Material required

3.3 Priority	B PL B	Name	Kangi Albonetti
3.4 Activity code	MC Mechanical Completion	Date	2024-12-20
3.5 Action by	RM_CONSTR RM	Signature	

4 - PERFORMED ACTION

Name:

Date:

Signature:

5 - CLEARANCE CHECK

Done

Name: Luca Mussi

Date: 2025-02-28

Signature:

6- CLEARANCE APPROVAL

Name:

Date:

Signature:

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: 63-30 & discipline : I

Instrumental	63-30 Instrument Air Distribution Network						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
63-PT-003	Pressure Transmitter - Instrument Air to Distribution Header	ONSHORE	C10003184	FJ01A	100	2025-04-18	RFO 1
63-PT-004	Pressure Transmitter - Instrument Air to Distribution Header Low Pressure	ONSHORE	C10003185	FJ01A	100	2025-03-26	RFO 1

ROSETTI MARINO — CROSSWIND

ITEM	Tag	63-PT-003	: Pressure Transmitter - Instrument Air to Distribution Header		Dwg	123A90-DDL-IN-DS-40039	
	S/Sys	63-30	: Instrument Air Distribution Network		Module	UD	
TASK	code	C10003184	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity FTS	Discipline Instrumental	Form	FJ01A	Analog Loop

LOOP DATA

Loop TAG	63-PT-003			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-001	Terminal	11A/11B	Slot	01	Rack	03	Chanel	11

LOOP TEST

1	Check earth isolation of the loop						OK
2	Connect loop to terminal						OK
3	Confirm Process Scale	Unit	barg	Min	0	Max	11	OK

LOOP RANGE

			0%	25%	50%	75%	100%
4	Physical value applied for test	Unit barg	0	2,75	5,5	8,25	11
5	Control System Display	Unit barg	0	2,73	5,48	8,26	10,98

LOOP SERVICE

		Value	Trip	Gen Alarm	DCS Alarm	SOE	DCS display	
6	Threshold 1	L 4,5 barg	No		Yes	NA	OK	OK
7	Threshold 2		NA	NA	NA	NA	NA	NA
8	Threshold 3		NA	NA	NA	NA	NA	NA
9	Threshold 4		NA	NA	NA	NA	NA	NA
10	Checking of line monitoring		NA	NA	NA	NA	NA	NA
11	Checking of Maintenance Inhibition		NA	NA	NA	NA	NA	NA
12	Associated safety Level / bar							
13	Associated outputs							

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
PRESSURE GAUGE WIKA MOD. CPG1500	1A014ILJJIM	LAT 114 0435-SM-24	20/09/2025

LOOP DOCUMENTATION

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

Comments:

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CW Comm engineer
Name	Laurentiu Grozavu	Giandonato Delmissier	Jamie McAllister
Date	2025-04-17	2025-04-17	2025-04-18
Signature	Digitaly signed by Laurentiu Grozavu 2025-04-17T12:26:14.014Z	Digitaly signed by Giandonato Delmissier 2025-04-17T14:40:08.591Z	Digitaly signed by Jamie McAllister 2025-04-18T06:47:56.423Z

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C.F. Part. IVA 02764420390

Plant	CROSSWIND	Description	IA FROM PACKAGE A-63000 TO AIR DISTR. HEADER		
Area	N.P.	Loop Tag	63-PI-003	Instrument Tag	63-PT-003
Type of verification	periodic	Calibration range	0,00 ÷ 11,00 bar	Report N°	021
Type of instrument	Pressure meter	Max uncertainty required	± 0,070 % s.r.	Reference procedure data sheet	123A90-PML-QHSE-PRO-00122 Page N°8

UNDER EXAMINATION INSTRUMENT 'S DATA

Tag	Manufacture	Model	S/N
63-PT-003	SPRIANO	SST76	SE240652

USED REFERENCE SAMPLE 'S DATA

Manufacture	Model	S/N	n° of certification and calibration center	uncertainty (u.m.)	Date of Issue
BEAMEX	MC5-IS	20177766	0640/MP/2024 _LAT 150	± 0,001 c.s.	24/04/2024
Digital pressure gauge				± 0,001 c.s.	24/04/2024

environment temperature at the time of check 25 °C

Value indicated before starting the check 0 bar

CHECK RESULT: *as found*

Verification functionality loop check

Generated value	Expected value	Read value	Error	Error % on s.r.
bar	mA	mA	mA	
0,00	4,000	4,000	+0,000	+0,000
2,75	8,000	8,003	+0,002	+0,016
5,50	12,000	11,997	-0,003	-0,019
8,25	16,000	16,000	+0,000	+0,000
11,00	20,000	19,997	-0,003	-0,021
8,25	16,000	15,999	-0,001	-0,009
5,50	12,000	11,996	-0,004	-0,024
2,75	8,000	8,002	+0,002	+0,013
0,00	4,000	4,001	+0,001	+0,006
		max error detected %		0,024

Check: PASSED

Verification activation of blocks/threshold alarms

Alarm signalling	Type of activation	Alarm Intervention	Block description	Action type	Block Intervention
bar					

Blocks/alarms check:

Corrective action

CHECK RESULT: *as left*

Verification functionality loop check

Generated value	Expected value	Read value	Error	Error % on s.r.
bar	mA	mA	mA	
		errore massimo rilevato %		0,00

Check:

Verification activation of blocks/threshold alarms

Alarm signalling	Type of activation	Alarm Intervention	Block description	Action type	Block Intervention
bar	DESCENT				

Blocks/alarms check:

Value indicated after the check 0 bar

Note:

FINAL OUTCOME OF THE VERIFICATION: *The instrument is SUITABLE*

Verification Date	Verification Expiration	Technical Executor	Viewed	Approved by
18/09/2024	09/2025	PENSO SILVIO		
		signature	signature	signature

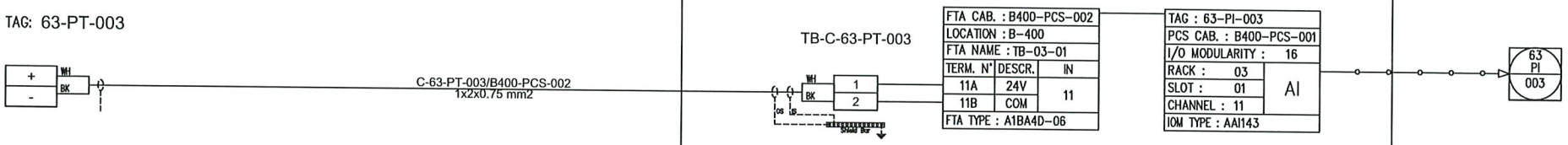
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Tel. 0544 685411
C.F. e P.IVA 02764420390

GENERAL	1	Tag Number			63-PT-003	
	2	Service			IA FROM PACKAGE A-63000 TO AIR DISTR.HEADER	
	3	P&ID Number	Location		123A90-DDL-PR-PID-80027	1-1/2"-IA-108-01SS-N
	4	Function			PRESSURE MEASUREMENT	
	5	Mounting			DIRECT ON-LINE	
	6	Area Classification			ATEX Zone2 - IIC (IIB+H2) T1	
	7	Ambient Temperature			Min: -8.4 °C, Norm: 10.5 °C, Max: +25.0 °C.	
PROCESS CONDITIONS	8	Fluid			INSTRUMENT AIR	
	9	Pressure Des.	Oper.	[barg]	11	4(Min.) / 10(Max)
	10	Temperature Des.	Oper.	[°C]	100	AMB
	11	Oper. Spec. Gravity	Oper. Viscosity		-	-
	12	Flow Rate	Allowable Temp.		-	-
TRANSMITTER	13	Instrument Range Min.	Max.	[barg]	0	30
	14	Calibration Range Min.	Max.	[barg]	0	11
	15	Elevation	Suppression		-	-
	16	Element Type			Diaphragm	
	17	Element Material			SS AISI 316/316L	
	18	Body Material	Body Rating		AISI 316 SS	150 bar
	19	Process Connection			1/2" NPT-M	
	20	Wetted O-Rings Material			-	
	21	Fill Fluid			-	
	22	Bolts	Housing		Manifold/Instrument assembly	SS AISI 316/316L
	23	Paint			N/A	
	24	ATEX Certification	Ingress Protection		ATEX Ex II 2G Ex db IIC T5	IP66
	25	Process Connection	Electrical Connection		1/2" NPT-M	2 X M20X1.5
	26	Accuracy			0.07% of Nominal Range	
	27	SIL Certification	PED Certification		-	Required
DIAPHRAGM SEAL	28	Process Connection & Rating			-	
	29	Diaphragm Material	Housing Material		-	-
	30	Fill Fluid	Capillary Material		-	-
	31	Capillary Type	Capillary Length		-	-
	32	Flushing Connection			-	
OPTIONS	33	Integral Meter	Scale		Required	-
	34	Hydrostatic Testing	Cleaning		Required	-
	35	Mounting Brackets	Manifold Model No		Required	MAN2-R6
	36	Lightning Protection	Barrier Manuf./Model		-	-
COMMUNICATION AND SOFTWARE	37	Communication Type	Signal Type		HART 6	4-20mA Loop Powered 24 Vdc
	38	D D Revision	CFF Revision		-	-
	39	Device Tag	Hart Tag		-	-
	40	Internal Diagnostics	Capacitance		-	-
	41	Segment	Device Address		-	-
	42	Device Class	Simulate		-	-
	43	Nominal Current	Operating Voltage		-	-
PURCHASE	44	Manufacturer			TERRANOVA SRL	
	45	Model			SST76-H-7-K-2-0-2-1-4 + MAN2-R6	
	46	Purchase Order Number			4718_OS	

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

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



NO MARK UP

14/04/25

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
63-PI-003
INSTRUMENT AIR to DISTRIBUTION HEADER

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 019	REV. 01

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

ROSETTI MARINO | CROSSWIND

ITEM	Tag	63-PT-004	: Pressure Transmitter - Instrument Air to Distribution Header Low Pressure		Dwg	123A90-DDL-IN-DS-40039	
	S/Sys	63-30	: Instrument Air Distribution Network		Module	UD	
TASK	code	C10003185	Location	Onshore Activities	User	Rosetti Marino Quality Control	
FORM	Process	PRE-COMM	Activity FTS	Discipline Instrumental	Form	FJ01A	Analog Loop

LOOP DATA

Loop TAG	63-PT-004			TSLD	123A90-FDL-IN-DG-40014 rev.1A				
IO Type	Input	Yes	Output	No	Energy by transmitter	No	Energy by system	Yes	
Marshalling	B400-SIS-001	Terminal	10A/10B	Slot	01	Rack	01	Chanel	10

LOOP TEST

1	Check earth isolation of the loop						OK
2	Connect loop to terminal						OK
3	Confirm Process Scale	Unit	barg	Min	0	Max	11	OK

LOOP RANGE

			0%	25%	50%	75%	100%
4	Physical value applied for test	Unit barg	0	2,75	5,5	8,25	11
5	Control System Display	Unit barg	0	2,75	5,5	8,249	11

LOOP SERVICE

		Value	Trip	Gen Alarm	DCS Alarm	SOE	DCS display	
6	Threshold 1	4 barg	Yes	Yes	Yes	Yes	OK	OK
7	Threshold 2		NA	NA	NA	NA	NA	NA
8	Threshold 3		NA	NA	NA	NA	NA	NA
9	Threshold 4		NA	NA	NA	NA	NA	NA
10	Checking of line monitoring		NA	NA	NA	NA	NA	NA
11	Checking of Maintenance Inhibition		NA	NA	NA	NA	NA	NA
12	Associated safety Level / bar		ESD-1					OK
13	Associated outputs							NA

TESTING & MEASUREMENT INSTRUMENT USED

Type	Serial N.	Calibration Certificate	Validity
PRESSURE GAUGE WIKA MOD. CPG1500	1A014ILJJIM	LAT 114 0435-SM-24	20-09-2025

LOOP DOCUMENTATION

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

Comments:

Page 1/1	Performed by	● WITNESS ☐ REVIEW	● WITNESS ☐ REVIEW
Company	RM COMM	RM COMM	CROSSWIND
Name	Laurentiu Grozavu	Giandonato Delmissier	Gerry McCann
Date	2025-03-20	2025-03-20	2025-03-26
Signature	Digitaly signed by Laurentiu Grozavu 2025-03-20T06:58:35.686Z	Digitaly signed by Giandonato Delmissier 2025-03-20T13:04:23.615Z	Digitaly signed by Gerry McCann 2025-03-26T09:19:23.971Z

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C.F. Part. IVA 02764420390

Plant	CROSSWIND	Description	IA FROM PACKAGE A-63000 TO AIR DISTR. HEADER		
Area	N.P.	Loop Tag	63-PI-004	Instrument Tag	63-PT-004
Type of verification	periodic	Calibration range	0,00 ÷ 11,00 bar	Report N°	022
Type of instrument	Pressure meter	Max uncertainty required	± 0,070 % s.r.	Reference procedure data sheet	123A90-PML-QHSE-PRO-00122 Page N°8

UNDER EXAMINATION INSTRUMENT 'S DATA

Tag	Manufacture	Model	S/N
63-PT-004	SPRIANO	SST76	SE240653

USED REFERENCE SAMPLE 'S DATA

Manufacture	Model	S/N	n° of certification and calibration center	uncertainty (u.m.)	Date of issue
BEAMEX	MC5-IS	20177766	0640/MP/2024_LAT 150	± 0,001 c.s.	24/04/2024
Digital pressure gauge				± 0,001 c.s.	24/04/2024

environment temperature at the time of check 25 °C

Value indicated before starting the check 0 bar

CHECK RESULT: *as found*

Verification functionality loop check

Generated value	Expected value	Read value	Error	Error % on s.r.
bar	mA	mA	mA	
0	4,000	4,001	+0,001	+0,006
2,75	8,000	7,997	-0,003	-0,019
5,5	12,000	11,998	-0,002	-0,013
8,25	16,000	15,982	-0,018	-0,113
11	20,000	19,963	-0,037	-0,231
8,25	16,000	15,981	-0,019	-0,119
5,5	12,000	11,996	-0,004	-0,025
2,75	8,000	7,995	-0,005	-0,031
0	4,000	4,002	+0,002	+0,012
		max error detected %		0,231

Check: FAILED

Verification activation of blocks/threshold alarms

Alarm signalling	Type of activation	Alarm intervention	Block description	Action type	Block intervention
bar					

Blocks/alarms check:

Corrective action Instruments scores less than the set range. Recalibrated

CHECK RESULT: *as left*

Verification functionality loop check

Generated value	Expected value	Read value	Error	Error % on s.r.
bar	mA	mA	mA	
0	4,000	4,000	0,000	0,000
2,75	8,000	8,000	0,000	0,003
5,5	12,000	11,999	-0,001	-0,012
8,25	16,000	15,993	-0,007	-0,064
11	20,000	20,000	0,000	-0,001
8,25	16,000	15,995	-0,005	-0,045
5,5	12,000	11,999	-0,001	-0,009
2,75	8,000	7,999	-0,001	-0,009
0	4,000	4,000	0,000	0,000
		errore massimo rilevato %		0,064

Check: PASSED

Verification activation of blocks/threshold alarms

Alarm signalling	Type of activation	Alarm intervention	Block description	Action type	Block intervention
bar					

Blocks/alarms check:

Value indicated after the check 0 bar

Note:

FINAL OUTCOME OF THE VERIFICATION: *The instrument is SUITABLE*

Verification Date	Verification Expiration	Technical Executor	Viewed	Approved by
18/09/2024	09/2025	PENSO SILVIO		
		signature	*signature*	*signature*

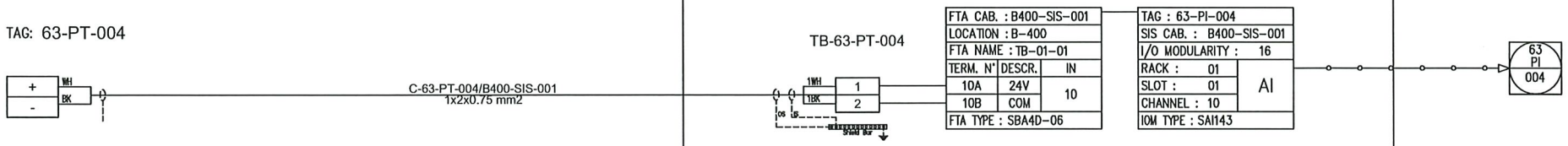
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Tel. 0544 685411
C.F. e P.IVA 02764420390

GENERAL	1	Tag Number		63-PT-004	
	2	Service		IA FROM PACKAGE A-63000 TO AIR DISTR.HEADER	
	3	P&ID Number	Location	123A90-DDL-PR-PID-80027	1-1/2"-IA-108-01SS-N
	4	Function		PRESSURE MEASUREMENT	
	5	Mounting		DIRECT ON-LINE	
	6	Area Classification		ATEX Zone2 - IIC (IIB+H2) T1	
	7	Ambient Temperature		Min: -8.4 °C, Norm: 10.5 °C, Max: +25.0 °C.	
PROCESS CONDITIONS	8	Fluid		INSTRUMENT AIR	
	9	Pressure Des.	Oper. [barg]	11	4(Min.) / 10(Max)
	10	Temperature Des.	Oper. [°C]	100	AMB
	11	Oper. Spec. Gravity	Oper. Viscosity	-	-
	12	Flow Rate	Allowable Temp.	-	-
TRANSMITTER	13	Instrument Range Min.	Max. [barg]	0	30
	14	Calibration Range Min.	Max. [barg]	0	11
	15	Elevation	Suppression	-	-
	16	Element Type		Diaphragm	
	17	Element Material		SS AISI 316/316L	
	18	Body Material	Body Rating	AISI 316 SS	150 bar
	19	Process Connection		1/2" NPT-M	
	20	Wetted O-Rings Material		-	
	21	Fill Fluid		-	
	22	Bolts	Housing	Manifold/Instrument assembly	SS AISI 316/316L
	23	Paint		N/A	
	24	ATEX Certification	Ingress Protection	ATEX Ex II 2G Ex db IIC T5	IP66
	25	Process Connection	Electrical Connection	1/2" NPT-M	2 X M20X1.5
	26	Accuracy		0.07% of Nominal Range	
	27	SIL Certification	PED Certification	SIL2	Required
DIAPHRAGM SEAL	28	Process Connection & Rating		-	
	29	Diaphragm Material	Housing Material	-	-
	30	Fill Fluid	Capillary Material	-	-
	31	Capillary Type	Capillary Length	-	-
	32	Flushing Connection		-	
OPTIONS	33	Integral Meter	Scale	Required	-
	34	Hydrostatic Testing	Cleaning	Required	-
	35	Mounting Brackets	Manifold Model No	Required	MAN2-R6
	36	Lightning Protection	Barrier Manuf./Model	-	-
COMMUNICATION AND SOFTWARE	37	Communication Type	Signal Type	HART 6	4-20mA Loop Powered 24 Vdc
	38	D D Revision	CFF Revision	-	-
	39	Device Tag	Hart Tag	-	-
	40	Internal Diagnostics	Capacitance	-	-
	41	Segment	Device Address	-	-
	42	Device Class	Simulate	-	-
	43	Nominal Current	Operating Voltage	-	-
PURCHASE	44	Manufacturer		TERRANOVA SRL	
	45	Model		SST76-H-7-K-2-0-2-1-4 + MAN2-R6	
	46	Purchase Order Number		4718_OS	

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

FIELD	ITER – B400	CENTRAL CONTROL ROOM
	SAFETY INSTRUMENTED SYSTEM	OPERATOR CONSOLE



NO MARK UP
18/03/25

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
63-PI-004
INSTRUMENT AIR TO DISTRIBUTION HEADER LOW PRESSURE

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 089	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

CROSSWIND

ROSETTI MARINO

Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 63-30 & process: COMM

Piping	63-30 Instrument Air Distribution Network						
ITEM		TASK					
Code	Description	Location	Code	Form	Progress	Date	Certificate
63-30	Service Test Instrument Air Distribution Network	ONSHORE	C10004907	4245	100	2025-03-28	RFO 1

ROSETTI MARINO

CROSSWIND

ITEM	Tag	63-30	: Service Test Instrument Air Distribution Network			Dwg	-
	S/Sys	63-30	: Instrument Air Distribution Network			Module	
TASK	code	C10004907		Location	Onshore Activities	User	Rosetti Marino Quality Control
FORM	Process	COMM	Activity PVP	Discipline	Piping	Form	4245 Service Test

CONDITIONS

Operating pressure: 8,5 bar g

Test Pressure 8,5 bar g

Test Fluid

Air		Nitrogen	
Water		Other	

TIGHTNESS CRITERION

Pressure variation tolerance: 0,1

Test Duration: 30 MIN

Pressure Recording Means: TEXS

Adhesive Tape:	No
Soap Solution:	Yes
He Tracing:	No

Rotating equipment isolated

ATTACHMENTS

Procedure:	No
Sketches & Drawings:	No
Pressure Records:	No

Comments: TEST WAS PERFORMED BEFORE OTP TO VALIDATE THE INTEGRITY OF THE SYSTEM

	Performed by	☐ WITNESS ☐ REVIEW	☐ WITNESS ☐ REVIEW
Company	ROSETTI MARINO SPA		CPY NOT PRESENT
Name	Ignacio Vago	Anthony Iveson	Witness waived
Date	2025-03-28	2025-03-28	2025-03-28
Signature	Digitaly signed by Ignacio Vago 2025-03-28T16:49:46.675Z	Digitaly signed by Anthony Iveson 2025-03-28T17:18:21.132Z	Digitaly signed by Witness waived 2025-03-28T17:22:00.744Z

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