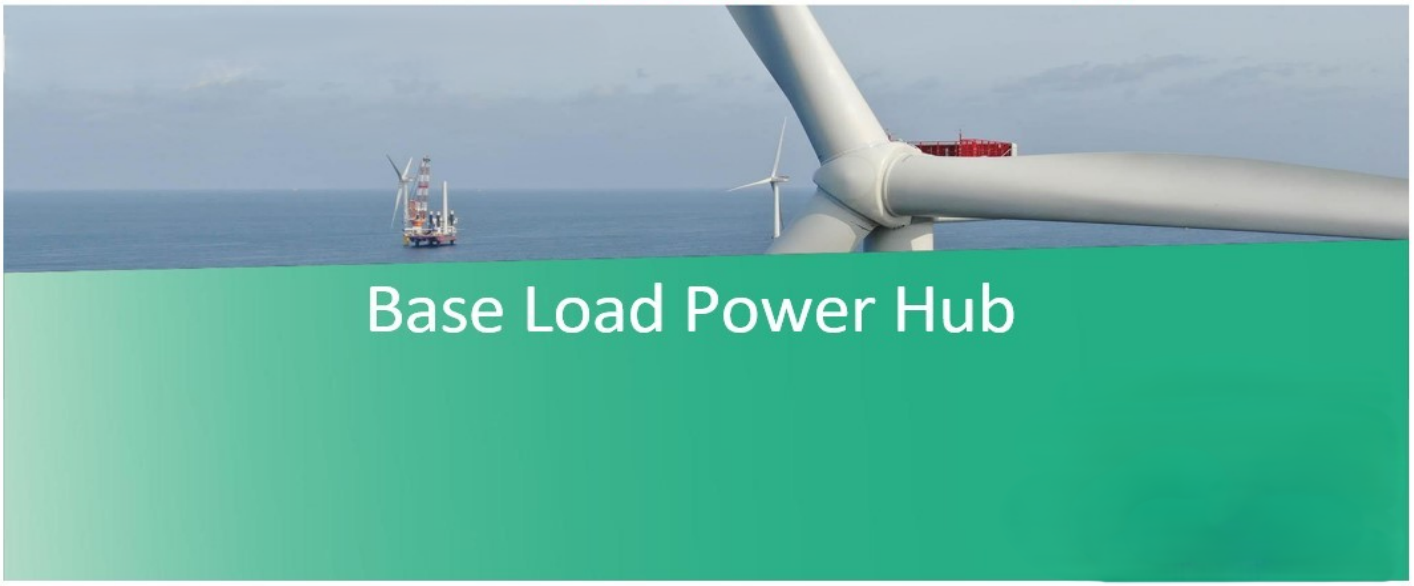
CROSSWIND

ROSETTI MARINO

PROVERLIS

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




# COMMISSIONING DOSSIER (ONSHORE)

| | |
|---|---|
| SYSTEM | 56<br>Open Drain System |
| SUBSYSTEM | 56-11<br>Non-Hazardous Open Drain Collection |

CROSSWIND

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

# COMMISSIONING DOSSIER INDEX

ROSETTI MARINO

| | | | | |
|---|---|---|---|---|
| **Sub System N°:** | 56-11 | **Tick as appropriate** | ONSHORE | OK |
| **Description:** | Non-Hazardous Open Drain Collection | | 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*** | NA |
| 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) | |

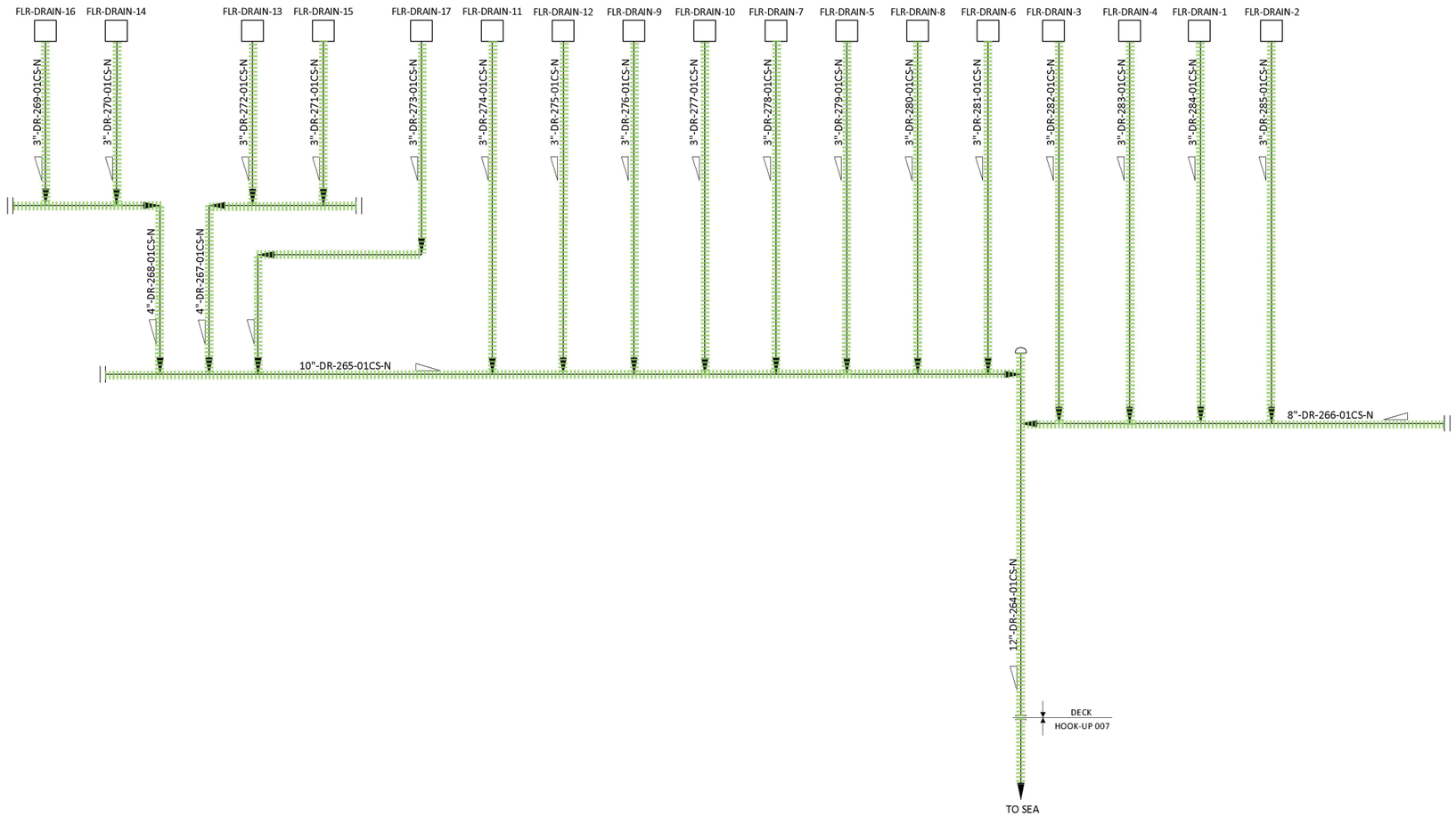
| | Contractor Commissioning Site Leader | Company Commissioning Site Leader |
|---|---|---|
| Name | Anthony Iveson | Martin Taylor |
| Date | 2025-06-06 | 2025-06-11 |
| Signature | PROVERLIS Digitaly signed by Anthony Iveson 2025-06-06T09:57:45.858Z | PROVERLIS Digitaly signed by Martin Taylor 2025-06-11T11:58:40.080Z |

# Section 1 SUB-SYSTEM DEFINITION

DRAWING NO. DRAWING_NO.

REV. REV

Open Drain System SS 56-11




## NOTES

1. ALL HEADERS ARE BELOW THE UPPER DECK. 01

## HOLDS

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 01 | 09/09/2024 | CIM | RZI | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 12/06/2024 | CIM | RZI | DLO | ISSUE FOR ACCEPTANCE (IFA) |

CROSSWIND

ROSETTI MARINO

TITLE :
BLPH PIPING AND INSTRUMENTATION DIAGRAM
OPEN DRAIN SYSTEM

| 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-80043 | SHEET 001 | REV. 01 |
|---|---|---|---|

File Name : FILE_NAME

# Section 2 READY FOR OPERATION

# Section 2.1 Achievement Of Ready for Operation Certificate (RFO)

ROSETTI MARINO

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

CROSSWIND

# Ready For Operation (RFO) Certificate

| COMPLETE | ● | PARTIAL | |
|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Revision: | 1 | | Issued on: | 2025-05-27 | |
| System: | 56 | / | Open Drain System | | |
| SubSystem: | 56-11 | / | Non-Hazardous Open Drain Collection | | |

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

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

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

**REMARKS:**

| | **CONTRACTOR**<br>Commissioning Manager | **COMPANY**<br>Commissioning Lead |
|---|---|---|
| Name | Anthony Iveson | Martin Taylor |
| Date | 2025-05-28 | 2025-06-05 |
| Signature | PROVERLIS Digitaly signed by Anthony Iveson 2025-05-28T06:39:38.609Z | PROVERLIS Digitaly signed by Martin Taylor 2025-06-05T15:38:50.623Z |

CROSSWIND

ROSETTI MARINO

# Project CROSSWIND

STATUS INDEX DETAIL

Filtered on subsystem: 56-11 & process: COMM

| Piping | 56-11 Non-Hazardous Open Drain Collection | | | | | | |
|---|---|---|---|---|---|---|---|
| ITEM | | TASK | | | | | |
| Code | Description | Location | Code | Form | Progress | Date | Certificate |
| 56-11 | Service Test Open Drain System | ONSHORE | C10004915 | 4245 | 100 | 2025-05-17 | RFO 1 |

CROSSWIND

ROSETTI MARINO

# Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 56 Open Drain System

SUBSYSTEM 56-11 Non-Hazardous Open Drain Collection

Piping

| CODE | CAT | ITEM | DEFECT DESCRIPTION | CORRECTIVE ACTION | PERFORMED ACTION | ISSUED | CARRIED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|---|---|---|
| C30003792 | B | 56-11-TP-048 C10003596 | Blinds have not been installed. | . | | KAlbonetti 2025-02-13 | 2025-02-19 | KAlbonetti 2025-02-19 | 2025-02-19 |
| C30003793 | B | 56-11-TP-048 C10003596 | PS-02114: On one side there is a wedge, on the other side is too high. On both sides the Teflon is missing. | . | | KAlbonetti 2025-02-13 | 2025-02-21 | LNovaga 2025-02-21 | 2025-02-21 |
| C30003794 | B | 56-11-TP-048 C10003596 | PS-02005: teflon and stoppers are missing. | . | | KAlbonetti 2025-02-13 | 2025-02-21 | LNovaga 2025-02-21 | 2025-02-21 |
| C30003796 | B | 56-11-TP-048 C10003596 | PS-02103.1: Pipe is not touching on structural support and the u-bolt is missing. | . | | KAlbonetti 2025-02-13 | 2025-02-21 | LNovaga 2025-02-21 | 2025-02-21 |
| C30003797 | B | 56-11-TP-048 C10003596 | PS-02100.1: Missing the U-bolt. | . | | KAlbonetti 2025-02-13 | 2025-02-21 | LNovaga 2025-02-21 | 2025-02-21 |
| C30003952 | B | 56-11-TP-048 C10003596 | There is an additional support between PS-02105 and PS-02107. See dwg attached. | . | | KAlbonetti 2025-02-17 | | | |
| C30004062 | B | 56-11-TP-048 C10003598 | Color coding and fluid direction are missing. | . | | LNovaga 2025-02-21 | 2025-03-20 | LNovaga 2025-03-20 | 2025-03-20 |
| C30004074 | B | 56-11-TP-048 C10003597 | Support PS-02115 ( 129 1/2) is between connection with line 4"-DR-267-01CS-N and 4"-DR-268-01CS-N. Implement the isometric | . | | LNovaga 2025-02-21 | 2025-04-02 | LNovaga 2025-04-02 | 2025-04-02 |
| C30004076 | B | 56-11-TP-048 C10003597 | Penetration level is missing on isometric drawing SK 128, implement with a mark-up. The distance between flange F6 and penetration is 560mm up. | . | | LNovaga 2025-02-21 | 2025-04-02 | LNovaga 2025-04-02 | 2025-04-02 |

CROSSWIND

ROSETTI MARINO

# Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 56 Open Drain System

SUBSYSTEM 56-11 Non-Hazardous Open Drain Collection

| Piping | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CODE | CAT | ITEM | DEFECT DESCRIPTION | CORRECTIVE ACTION | PERFORMED ACTION | ISSUED | CARRIED | CHECKED | APPROVED |
| C30004077 | B | 56-11-TP-048 C10003597 | On support PS-02102 (SK 132) there is a gap only in one side, please correct the gaps. | . | | LNovaga 2025-02-21 | 2025-02-26 | LNovaga 2025-02-26 | 2025-02-26 |
| C30004079 | B | 56-11-TP-048 C10003597 | On support PS-02114 (SK 128) - S-222 pad is missing. | . | | LNovaga 2025-02-21 | 2025-03-06 | LNovaga 2025-03-06 | 2025-03-06 |

# Section 2.2 Exception Punch Lists (per discipline)

CROSSWIND

ROSETTI MARINO

# Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 56 Open Drain System

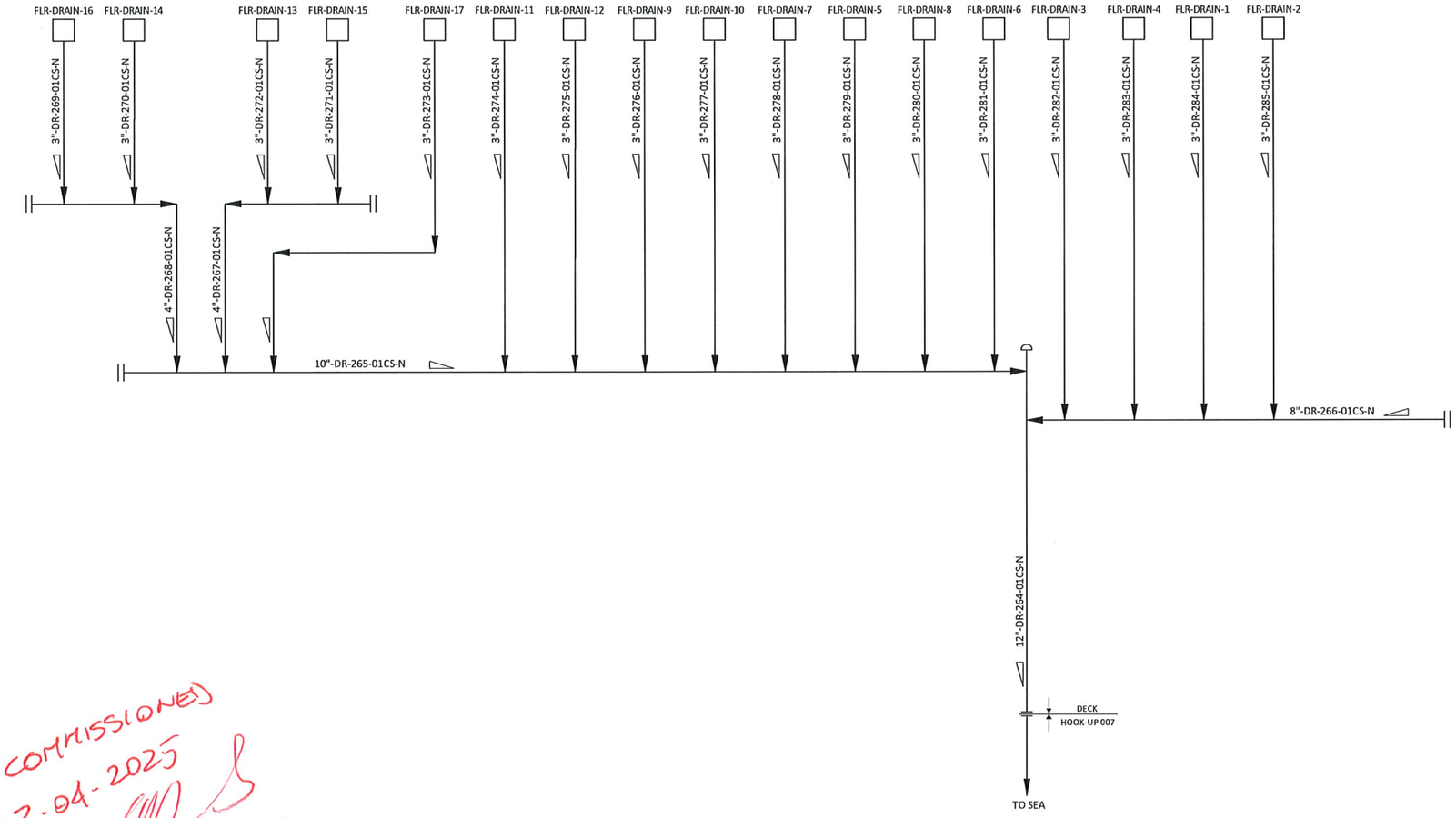
SUBSYSTEM 56-11 Non-Hazardous Open Drain Collection

| Piping | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CODE | CAT | ITEM | DEFECT DESCRIPTION | CORRECTIVE ACTION | PERFORMED ACTION | ISSUED | CARRIED | CHECKED | APPROVED |
| C30003952 | B | 56-11-TP-048<br>C10003596 | There is an additional support between PS-02105 and PS-02107. See dwg attached. | . | | KAlbonetti<br>2025-02-17 | | | |

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

DRAWING NO. DRAWING_NO.

REV. REV




AS COMMISSIONED
03-04-2025
GIANDOMENICO DE MESSIER

## NOTES

1. ALL HEADERS ARE BELOW THE UPPER DECK. 01

## HOLDS

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 01 | 09/09/2024 | CIM | RZI | DLO | ACCEPTED FOR CONSTRUCTION (AFC) |
| 00 | 12/06/2024 | CIM | RZI | DLO | ISSUE FOR ACCEPTANCE (IFA) |

CROSSWIND

ROSETTI MARINO

TITLE :
BLPH PIPING AND INSTRUMENTATION DIAGRAM
OPEN DRAIN SYSTEM

| 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-80043 | | SHEET 001 / REV. 01 |

File Name : FILE_NAME

# Section 3 CONSOLIDATED PUNCH LISTS

CROSSWIND

ROSETTI MARINO

# Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 56 Open Drain System

SUBSYSTEM 56-11 Non-Hazardous Open Drain Collection

Piping

| CODE | CAT | ITEM | DEFECT DESCRIPTION | CORRECTIVE ACTION | PERFORMED ACTION | ISSUED | CARRIED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|---|---|---|
| C30003792 | B | 56-11-TP-048 C10003596 | Blinds have not been installed. | . | | KAlbonetti 2025-02-13 | 2025-02-19 | KAlbonetti 2025-02-19 | 2025-02-19 |
| C30003793 | B | 56-11-TP-048 C10003596 | PS-02114: On one side there is a wedge, on the other side is too high. On both sides the Teflon is missing. | . | | KAlbonetti 2025-02-13 | 2025-02-21 | LNovaga 2025-02-21 | 2025-02-21 |
| C30003794 | B | 56-11-TP-048 C10003596 | PS-02005: teflon and stoppers are missing. | . | | KAlbonetti 2025-02-13 | 2025-02-21 | LNovaga 2025-02-21 | 2025-02-21 |
| C30003796 | B | 56-11-TP-048 C10003596 | PS-02103.1: Pipe is not touching on structural support and the u-bolt is missing. | . | | KAlbonetti 2025-02-13 | 2025-02-21 | LNovaga 2025-02-21 | 2025-02-21 |
| C30003797 | B | 56-11-TP-048 C10003596 | PS-02100.1: Missing the U-bolt. | . | | KAlbonetti 2025-02-13 | 2025-02-21 | LNovaga 2025-02-21 | 2025-02-21 |
| C30003952 | B | 56-11-TP-048 C10003596 | There is an additional support between PS-02105 and PS-02107. See dwg attached. | . | Changes have been recorded on RLMUs | KAlbonetti 2025-02-17 | RDegliEsposti 2025-06-25 | RDegliEsposti 2025-06-25 | 2025-06-25 |
| C30004062 | B | 56-11-TP-048 C10003598 | Color coding and fluid direction are missing. | . | | LNovaga 2025-02-21 | 2025-03-20 | LNovaga 2025-03-20 | 2025-03-20 |
| C30004074 | B | 56-11-TP-048 C10003597 | Support PS-02115 ( 129 1/2) is between connection with line 4"-DR-267-01CS-N and 4"-DR-268-01CS-N. Implement the isometric | . | | LNovaga 2025-02-21 | 2025-04-02 | LNovaga 2025-04-02 | 2025-04-02 |
| C30004076 | B | 56-11-TP-048 C10003597 | Penetration level is missing on isometric drawing SK 128, implement with a mark-up. The distance between flange F6 and penetration is 560mm up. | . | | LNovaga 2025-02-21 | 2025-04-02 | LNovaga 2025-04-02 | 2025-04-02 |

CROSSWIND

ROSETTI MARINO

# Project CROSSWIND

PUNCH LIST REPORT

SYSTEM 56 Open Drain System

SUBSYSTEM 56-11 Non-Hazardous Open Drain Collection

Piping

| CODE | CAT | ITEM | DEFECT DESCRIPTION | CORRECTIVE ACTION | PERFORMED ACTION | ISSUED | CARRIED | CHECKED | APPROVED |
|---|---|---|---|---|---|---|---|---|---|
| C30004077 | B | 56-11-TP-048 C10003597 | On support PS-02102 (SK 132) there is a gap only in one side, please correct the gaps. | . | | LNovaga 2025-02-21 | 2025-02-26 | LNovaga 2025-02-26 | 2025-02-26 |
| C30004079 | B | 56-11-TP-048 C10003597 | On support PS-02114 (SK 128) - S-222 pad is missing. | . | | LNovaga 2025-02-21 | 2025-03-06 | LNovaga 2025-03-06 | 2025-03-06 |

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30004077

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003597 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

On support PS-02102 (SK 132) there is a gap only in one side, please correct the gaps.

Name: Lorenzo Novaga

Date: 2025-02-21

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 | 2025-02-21 |
| 3.5 Action by | RM_CONSTR RM | Signature | |

## 4 - PERFORMED ACTION

Name:

Date:

Signature:

## 5 - CLEARANCE CHECK

Done.

Name: Lorenzo Novaga

Date: 2025-02-26

Signature:

## 6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30004079

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003597 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

On support PS-02114 (SK 128) - S-222 pad is missing.

Name: Lorenzo Novaga

Date: 2025-02-21

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 | 2025-02-21 |
| 3.5 Action by | RM_CONSTR RM | Signature | |

## 4 - PERFORMED ACTION

Name:

Date:

Signature:

## 5 - CLEARANCE CHECK

Accepted by Rosetti Marino.

Name: Lorenzo Novaga

Date: 2025-03-06

Signature:

## 6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30003792

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003596 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

Blinds have not been installed.

Name: Kangi Albonetti

Date: 2025-02-13

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 | 2025-02-13 |
| 3.5 Action by | RM_CONSTR RM | Signature | |

## 4 - PERFORMED ACTION

Name:

Date:

Signature:

## 5 - CLEARANCE CHECK

Done

Name: Kangi Albonetti

Date: 2025-02-19

Signature:

## 6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30003793

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003596 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

PS-02114: On one side there is a wedge, on the other side is too high. On both sides the Teflon is missing.

Name: Kangi Albonetti

Date: 2025-02-13

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 | 2025-02-13 |
| 3.5 Action by | RM_CONSTR RM | Signature | |

## 4 - PERFORMED ACTION

Name:

Date:

Signature:

## 5 - CLEARANCE CHECK

Done

Name: Lorenzo Novaga

Date: 2025-02-21

Signature:

## 6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30003794

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003596 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

PS-02005: teflon and stoppers are missing.

Name: Kangi Albonetti

Date: 2025-02-13

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 | 2025-02-13 |
| 3.5 Action by | RM_CONSTR RM | Signature | |

## 4 - PERFORMED ACTION

Name:

Date:

Signature:

## 5 - CLEARANCE CHECK

Done.

Name: Lorenzo Novaga

Date: 2025-02-21

Signature:

## 6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30003796

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003596 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

PS-02103.1: Pipe is not touching on structural support and the u-bolt is missing.

Name: Kangi Albonetti

Date: 2025-02-13

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 | 2025-02-13 |
| 3.5 Action by | RM_CONSTR RM | Signature | |

## 4 - PERFORMED ACTION

Name:

Date:

Signature:

## 5 - CLEARANCE CHECK

Done

Name: Lorenzo Novaga

Date: 2025-02-21

Signature:

## 6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30003797

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003596 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

PS-02100.1: Missing the U-bolt.

Name: Kangi Albonetti

Date: 2025-02-13

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 | 2025-02-13 |
| 3.5 Action by | RM_CONSTR RM | Signature | |

## 4 - PERFORMED ACTION

Name:

Date:

Signature:

## 5 - CLEARANCE CHECK

Done.

Name: Lorenzo Novaga

Date: 2025-02-21

Signature:

## 6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30003952

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003596 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

There is an additional support between PS-02105 and PS-02107.
See dwg attached.

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

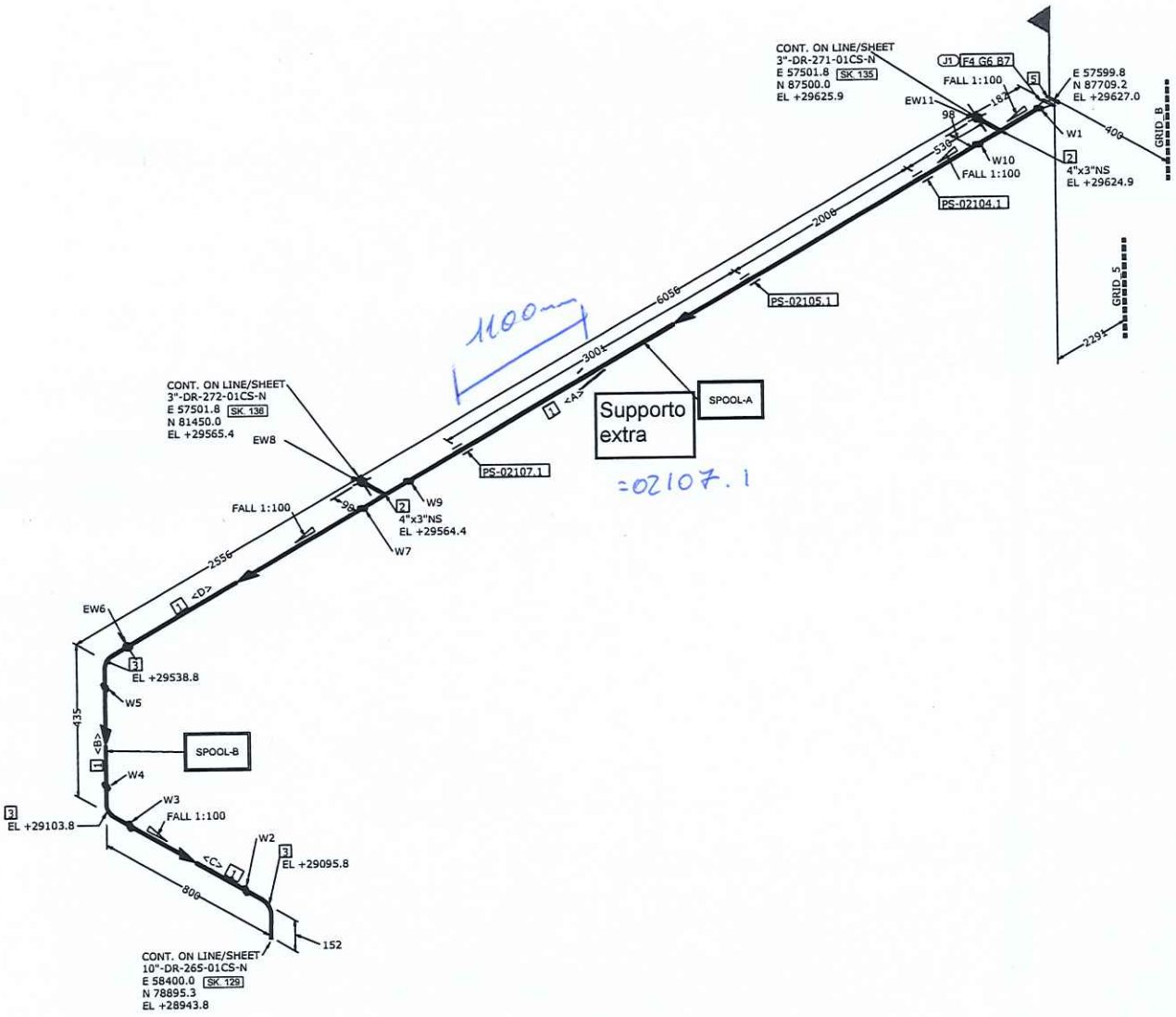
## 5 - CLEARANCE CHECK

Ref. to RLMU 123A90-DDL-PP-DD-72000-PS-02142_01_01A (NEW SUPPORT) + RLMU 123A90-FDL-PP-DI-00131-01_01A

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

## 6- CLEARANCE APPROVAL

Name:
Date: 2025-06-25
Signature:




## MATERIAL LIST

| POS. | SIZE | SAP CODE | DESCRIPTION | Q.TY | WEIGHT [kg] |
|---|---|---|---|---|---|
| FABRICATION | | | | | |
| 1 | 4 | PIPECS03750400 | Pipe ASME B36.10M PE 6.02 SML ASTM/ASME A/SA333 Gr.6 | 8.8 M | 141.0 |
| 2 | 4 x 3 | TER0CS15730403 | Tee Reducing ASME B16.9 BW 6,02x5,49 WRS ASTM/ASME A/SA420 Gr.WPL6 | 2 | 10.4 |
| 3 | 4 | E90RCS02380400 | 90 Deg Elbow Long Radius ASME B16.9 BW 6,35 WRS ASTM/ASME A/SA420 Gr.WPL6 | 3 | 11.7 |
| 4 | 4 | FLW0CS03210400 | Flange WN ASME B16.5 150LB RF 6,35 FRG ASTM/ASME A/SA350 Gr.LF2 | 1 | 6.8 |
| ERECTION | | | | | |
| 5 | 4 | FLB0CS07390400 | Flange Blind ASME B16.5 150LB RF FRG ASTM/ASME A/SA350 Gr.LF2 | 1 | 6.8 |
| 6 | 4 | GSW0GK11150400 | Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING | 1 | 0.2 |
| 7 | 5/8 | SB20BO04190300 | 90 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized | 8 | 2.0 |

| | |
|---|---|
| FABRICATION WEIGHT [kg] | 169.9 |
| ERECTION WEIGHT [kg] | 9.0 |
| OVERALL WEIGHT [kg] | 178.9 |

### WELD SUMMARY

| WELD No. | SIZE [inches] | TYPE |
|---|---|---|
| W1 | 4" | BW |
| W2 | 4" | BW |
| W3 | 4" | BW |
| W4 | 4" | BW |
| W5 | 4" | BW |
| EW6 | 4" | BW |
| W7 | 4" | BW |
| EW8 | 3" | BW |
| W9 | 4" | BW |
| W10 | 4" | BW |
| EW11 | 3" | BW |

### CUTTING LIST

| PIECE No. | SIZE [inches] | LENGTH [mm] | END PREP.1 | END PREP.2 |
|---|---|---|---|---|
| A | 4" | 5840 | BEVEL | BEVEL |
| B | 4" | 131 | BEVEL | BEVEL |
| C | 4" | 496 | BEVEL | BEVEL |
| D | 4" | 2299 | BEVEL | BEVEL |

### SUPPORT LIST

| |
|---|
| PS-02104.1 |
| PS-02105.1 |
| PS-02107.1 |

| SPOOL | WELD [inches] | WEIGHT [kg] |
|---|---|---|
| A | 16.0 | 148.1 |
| B | 16.0 | 21.8 |
| ERECT. | 10.0 | 9.0 |

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 01 | 03-09-2024 | RM | RT | LM | REVISED WHERE INDICATED |
| 00 | 04-09-2024 | RM | RT | LM | ISSUED FOR CONSTRUCTION |

CROSSWIND

ROSETTI MARINO

TITLE: SHOP DRAWING ISOMETRIC — SK. 131

LINE NR. 4"-DR-267-01CS-N

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

SCALE: N/A

DRAWN: RM | CHECKED: RT | APPROVED: LM | DATE: 03-09-2024

FORMAT: A3 | DRAWING NO: 123A90-FDL-PP-DI-00131 | SHEET / OF: 1 / 1 | REV.: 01

56-11-TP-048

MASTER

### LINE DATA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| NDT INSPECTION CATEGORY | 2 | | PED CATEGORY | Art. 4, par. 3 | | | |
| PAINTING | SYSTEM 1 | BASE RAL RAL 9002 | FLUID PHASE | Liquid | | | |
| INSULATION | TYPE N | THICKNESS 0 [mm] | DESIGN | PRESS. 3.5 [barg] | TEMP. - / 80 [°C] | | |
| HEAT TRACING | N/A | | TEST | PRESS. N/A [barg] | TEMP. AMB | MEDIUM N/A | |

### REFERENCE DOCUMENTS

| | |
|---|---|
| P&ID | 123A90-DDL-PR-PID-80043 |
| 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

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30004062

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003598 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

Color coding and fluid direction are missing.

Name: Lorenzo Novaga

Date: 2025-02-21

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 | 2025-02-21 |
| 3.5 Action by | RM_CONSTR RM | Signature | |

## 4 - PERFORMED ACTION

Name:

Date:

Signature:

## 5 - CLEARANCE CHECK

Done.

Name: Lorenzo Novaga

Date: 2025-03-20

Signature:

## 6- CLEARANCE APPROVAL

Name:

Date:

Signature:

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30004074

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003597 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

Support PS-02115 ( 129 1/2) is between connection with line 4"-DR-267-01CS-N and 4"-DR-268-01CS-N. Implement the isometric drawing with mark up.

Name: Lorenzo Novaga

Date: 2025-02-21

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 | 2025-02-21 |
| 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:

ROSETTI MARINO
CROSSWIND

# PUNCH ITEM ENTRY / CLEARANCE FORM

C30004076

PROVERLIS

## 1 -ELEMENT IDENTIFICATION

| | | | |
|---|---|---|---|
| 1.1 Task | C10003597 | 1.4 Discipline | Piping |
| 1.2 Item | 56-11-TP-048 | Test Pack 56-11-TP-048 | |
| 1.3 Subsystem | 56-11 | Non-Hazardous Open Drain Collection | |

## 2 - OBSERVATION

Penetration level is missing on isometric drawing SK 128, implement with a mark-up.
The distance between flange F6 and penetration is 560mm up.

Name: Lorenzo Novaga
Date: 2025-02-21
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 | 2025-02-21 |
| 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:

# 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

# NOT APPLICABLE

# 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

# 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: 56-11 & process: COMM

| Piping | 56-11 Non-Hazardous Open Drain Collection | | | | | | |
|---|---|---|---|---|---|---|---|
| ITEM | | TASK | | | | | |
| Code | Description | Location | Code | Form | Progress | Date | Certificate |
| 56-11 | Service Test Open Drain System | ONSHORE | C10004915 | 4245 | 100 | 2025-05-17 | RFO 1 |

ROSETTI MARINO | PROVERLIS | CROSSWIND

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **ITEM** | Tag | 56-11 | : Service Test Open Drain System | | | Dwg | - |
| | S/Sys | 56-11 | : Non-Hazardous Open Drain Collection | | | Module | |
| **TASK** | code | C10004915 | | Location | Onshore Activities | User | Rosetti Marino Quality Control |
| **FORM** | Process | COMM | Activity PVP | Discipline | Piping | Form | 4245 Service Test |

## CONDITIONS

Operating pressure: ATM bar g

Test Pressure ATM bar g

Test Fluid

| | | | |
|---|---|---|---|
| Air | | Nitrogen | |
| Water | | Other | |

## TIGHTNESS CRITERION

Pressure variation tolerance: ATM

Test Duration: 5 MIN

Pressure Recording Means: TEXS

| | |
|---|---|
| Adhesive Tape: | No |
| Soap Solution: | No |
| He Tracing: | No |

Rotating equipment isolated

## ATTACHMENTS

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

Comments: OPEN DRAIN SYSTEM WAS CHECKED WITH ATM PRESSURE TO VALIDATE THE INTEGRITY OF THE SYSTEM

| Page 1/1 | Performed by | ☐ WITNESS ☉ REVIEW | ☐ WITNESS ☐ REVIEW |
|---|---|---|---|
| Company | ROSETTI MARINO SPA | | CPY NOT PRESENT |
| Name | Ignacio Vago | Anthony Iveson | Witness waived |
| Date | 2025-03-28 | 2025-05-12 | 2025-05-17 |
| Signature | PROVERLIS Digitaly signed by Ignacio Vago 2025-03-28T16:46:40.291Z | PROVERLIS Digitaly signed by Anthony Iveson 2025-05-12T08:03:21.665Z | PROVERLIS Digitaly signed by Witness waived 2025-05-17T07:04:02.413Z |

# 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