DRAWING NO. DRAWING_NO: 123A90-DDL-PR-PID-80027
REV. REV 04

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

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

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

A-63000
INSTRUMENT AIR AND DRYER PACKAGE
SEE VENDOR DRAWING
1724000428-PR-PID-00019
NOTE 2, 3, 4, 5, 6

ESD I → FAULT PACKAGE 63 XA 003
ESD I → 63-XS-001 SHUT-DOWN
NOTE 14
1-1/2"-IA-263-01SS-N
63 TP 040 — 2" — 2"x1.1/2"

V-63001
[Description]
SEE VENDOR DRAWING
1724000428-PR-PID-00019

63 TP 041 — 2"x1.1/2"
LO BLPH-MV-149
1-1/2"-IA-108-01SS-N
63 PI 003 L | 63 PI 004 LL
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
123A90-DDL-PR-PID-80041 TO INSTRUMENT AIR DISTRIBUTION HEADER

63 TP 039
BLPH-MV-269 SB LO
INAMN
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
123A90-DDL-PR-PID-80041 FROM INSTRUMENT AIR DISTRIBUTION HEADER 03

TO SAFE LOCATION
ESD I
2"-AV-224-01CS-N
CONC. RED. 1.1/2"x1" — 64 TP 043 — 64 TP 045

NOTE 15
64 PI 002 L LL
64 HS 031
64 PIC 031A H L | 64 PIC 031B H L
64 PT 031A | 64 PT 031B | 64 PT 002
NOTE 1, 12 [Description] 1D2
64 PSV 001
NOTE 10 TO ATM
2"-AV-160-01CS-N
1.5" x 1"
BLPH-MV-278 SB FB-LO 1.1/2"
1-1/2"-N-197-01CS-N
1.5" x 1"

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 SDY 001 S IA
64 SDV 001 — NOTE 13
NC-FC TYP.2
01CS 03HSS

A-64000
NITROGEN SYSTEM
SEE VENDOR DRAWING
1724000437-PR-PID-00018

64 TP 042 — BLPH-MV-271 SB LO — 3/4" LC — BLPH-MV-275 NOTE 16
1"-N-158-01CS-N
64 TP 044
1"-N-262-01CS-N
64 PV 031A — FL-DC TYP.6 1"
64 PV 031B — FL-DC TYP.6 1"
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
1"-N-100-01CS-N
N-158 — N-100

ESD I — 64-XS-001 SHUT-DOWN — ESD I — NOTE 14
64 XA 003 FAULT PACKAGE

64 TP 046

V-64001
NITROGEN RECEIVER
SEE VENDOR DRAWING
1724000437-PR-PID-00018

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.

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
04	21/10/2025	RZI	RZI	CGI	AS BUILT
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. 04

File Name : FILE_NAME