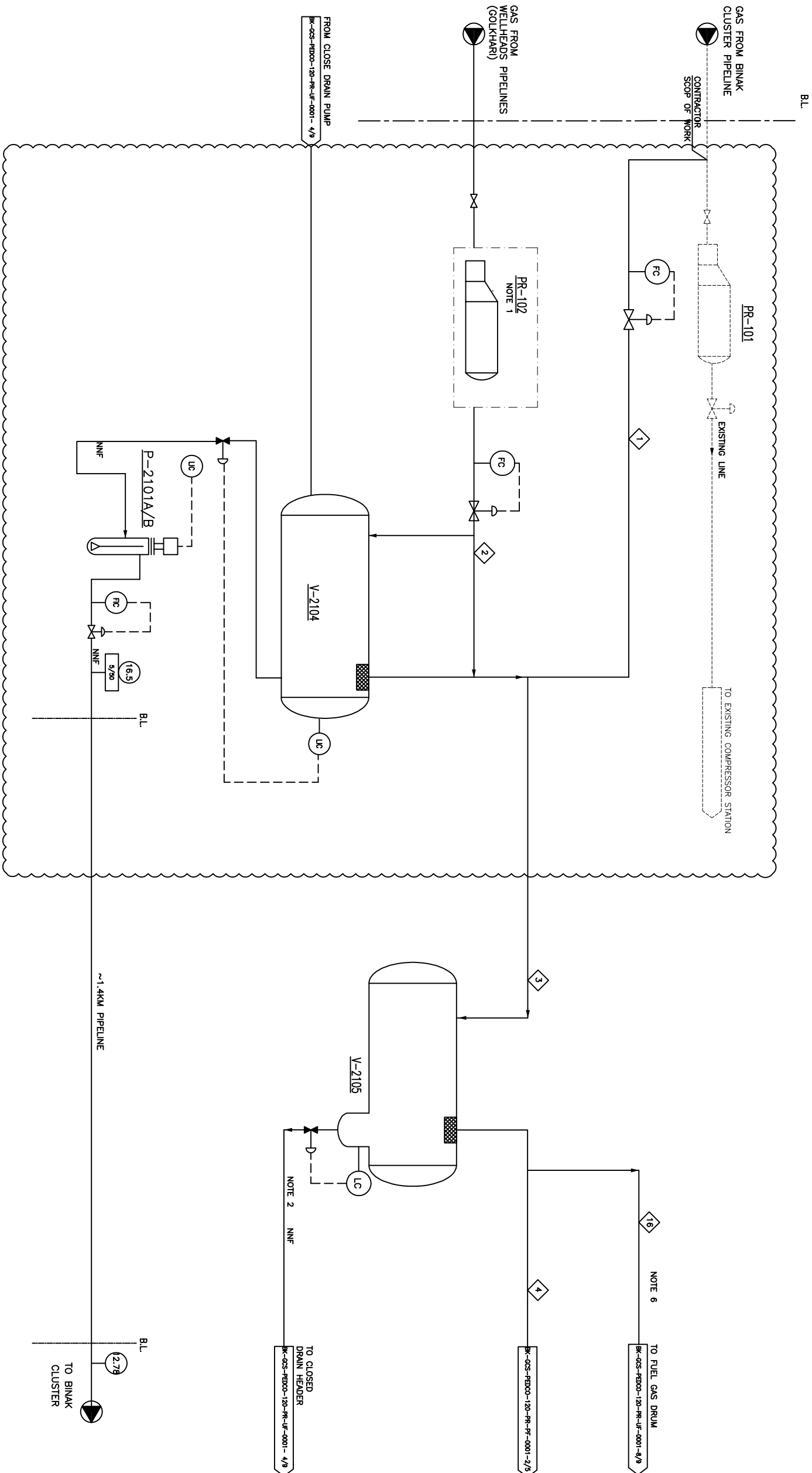


NOTES

1. GAS PIG RECEIVERS ARE IN SCOPE OF PIPELINE EPC CONTRACTOR.
2. IN SOME CASES, IT IS POSSIBLE TO ACCUMULATE SOME LIQUID IN INLET LINES. THE MAX. FLOW RATE IS 180 BARREL PER DAY.
3. IN CASE OF PIGGING, 29800 kg/h WILL BE FLOWED TO FLARE.
4. MAX. FLOW RATE IN PIGGING CASE WILL BE 335600 kg/h.
5. DELETED.
6. FUEL GAS CONSUMPTION WILL BE FINALIZED AFTER RECEIVED DATA FROM DEHYDRATION PACKAGE VENDOR.



LEGEND	
	LIQUID FLOW RATE, kg/hr
	GAS FLOW RATE, sm ³ /h
	PRESSURE, barg
	TEMPERATURE, °C
	STREAM NUMBER
	MASS FLOW RATE, kg/hr
REFERENCE DRAWING	
Symbol & Legend For PFD and P&ID	Draw. No.
Process Basis Of Design	HC-0001-77000-000-77-01-0001 HC-0001-77000-000-77-01-0001

KEY PLAN

REV	DATE	P.O.L.S	PREP.	CHK.	APP.	AUT.	REVISION				
D005	SEP-2002	IFA	M.ATTYING	M.ROSENBLUD	M.ROSENBLUD		DESCRIPTION	BY	DATE	BY	DATE
D004	MAR-2002	IFA	M.ATTYING	M.ROSENBLUD	M.ROSENBLUD			BY	DATE	BY	DATE
D003	JAN-2002	IFA	M.ATTYING	M.ROSENBLUD	M.ROSENBLUD			BY	DATE	BY	DATE
D002	NOV-2001	IFA	M.ATTYING	M.ROSENBLUD	M.ROSENBLUD			BY	DATE	BY	DATE
D001	OCT-2001	IFA	M.ATTYING	M.ROSENBLUD	M.ROSENBLUD			BY	DATE	BY	DATE
REV	AUG-2001	IFA	M.ATTYING	M.ROSENBLUD	M.ROSENBLUD						

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BINAK OILFIELD DEVELOPMENT
STRENGTHENING FACTORS

WAS COMPRESSOR STATION

DATE	DRAWING BY	CHECKED BY	PROJECT ENG.
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NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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33-073-9184	F	2	A	7087777	1 of 5	D05
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P-2101 A/B
SLUG PUMPS
NORMAL CAPACITY : 10 m³/hr
DIFFERENTIAL PRESSURE : 14 bar

<u>PR-101</u>	<u>PR-102</u>
EXISTING BINAK PIG RECEIVER	GOLKHARI PIG RECEIVER (BY OTHERS)

Y-2104
SLUG CATCHER DRUM
OP. TEMP. : 15.5 ~ 32.0 °C
OP. PRESS. : 5.5 BARG

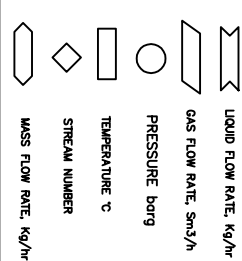
Y-2105
INLET KNOCK OUT DRUM
OP. TEMP. : 19.2 ~ 37.2 °C
OP. PRESS. : 5.3 BARG

DRAWING TITLE: Process Flow Diagram (PFD)			
SCALE		DRAWING NO.	SHEET NO.
NS	AS	BR-DCS-PRODUC-120-PR-PF-0001	1 OF 5

NOTES

1. 2+1 TRAIN IS CONSIDERED.
2. TRAIN "B" , "C" ARE THE SAME AS TRAIN "A" .
3. TRAIN "C" IS STAND BY.

LEGEND



KEY PLAN

DO5	SEP 2023	TPA	UATVPAE	UATVPAEAM	UATVPAESAD				
DO4	MAR 2023	TPA	UATVPAE	UATVPAEAM	UATVPAESAD				
DO3	JAN 2023	TPA	UATVPAE	UATVPAEAM	UATVPAESAD				
DO2	NOV 2021	TPA	UATVPAE	UATVPAEAM	UATVPAESAD				
DO1	OCT 2021	TPA	UATVPAE	UATVPAEAM	UATVPAESAD				
DO0	AUG 2021	TPC	UATVPAE	UATVPAEAM	UATVPAESAD				
REV.	DATE	FOIIS	PREP.	CHK.	APP.	AUT.			

PROJECT NAME: BINAQ OILFIELD DEVELOPMENT/SURFACE FACILITIES
PROJECT NO.: 971020

EPIC CONTRACTOR: BINAQ
SUBFACE FACILITIES
GAS COMPRESSOR STATION

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED	APPROVED FOR CONSTRUCTION	BY:	DATE:
BUDGET REV	LOCATION SIZE CLASS	SERIAL NO.	SHEET REVISION
NS	43	BK-GCS-79000-120-PP-PP-0001	2 OF 5

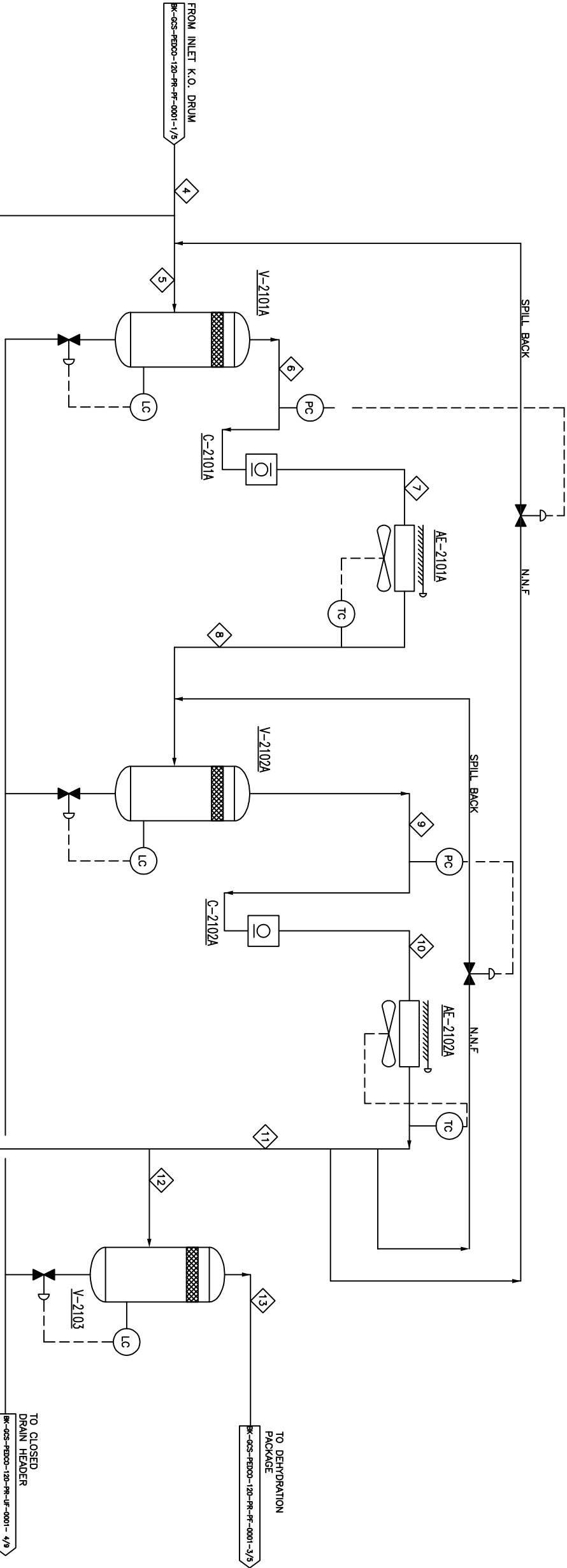
V-2101 A/B/C
1ST STAGE GAS
COMPRESSION SUCTION DRUM
OP. TEMP. : 19.02 ~ 36.92 °C
OP. PRESS. : 5.1 BARG

AE-2101 A/B/C
1ST STAGE GAS
COMPRESSION AIR COOLER
HEAT DUTY : 242.22 ~ 331.80 KW
INLET TEMP. : 113.1 ~ 124.8
OUTLET TEMP. : 60°C

V-2102 A/B/C
2ND STAGE GAS
COMPRESSION SUCTION DRUM
OP. TEMP. : 60 °C
OP. PRESS. : 18.3 BARG

AE-2102 A/B/C
2ND STAGE GAS
COMPRESSION AIR COOLER
HEAT DUTY : 451.25 ~ 493.03 KW
INLET TEMP. : 142.3 ~149.1°C
OUTLET TEMP. : 60°C

V-2103
2ND STAGE GAS
COMPRESSION DISCHARGE DRUM
OP. TEMP. : 60 °C
OP. PRESS. : 54.1 BARG



NOTE 2

LP SECTION TRAIN B
(IDENTICAL TO TRAIN A)

HP SECTION TRAIN B
(IDENTICAL TO TRAIN A)

NOTE 2,3

LP SECTION TRAIN C
(IDENTICAL TO TRAIN A)

HP SECTION TRAIN C
(IDENTICAL TO TRAIN A)

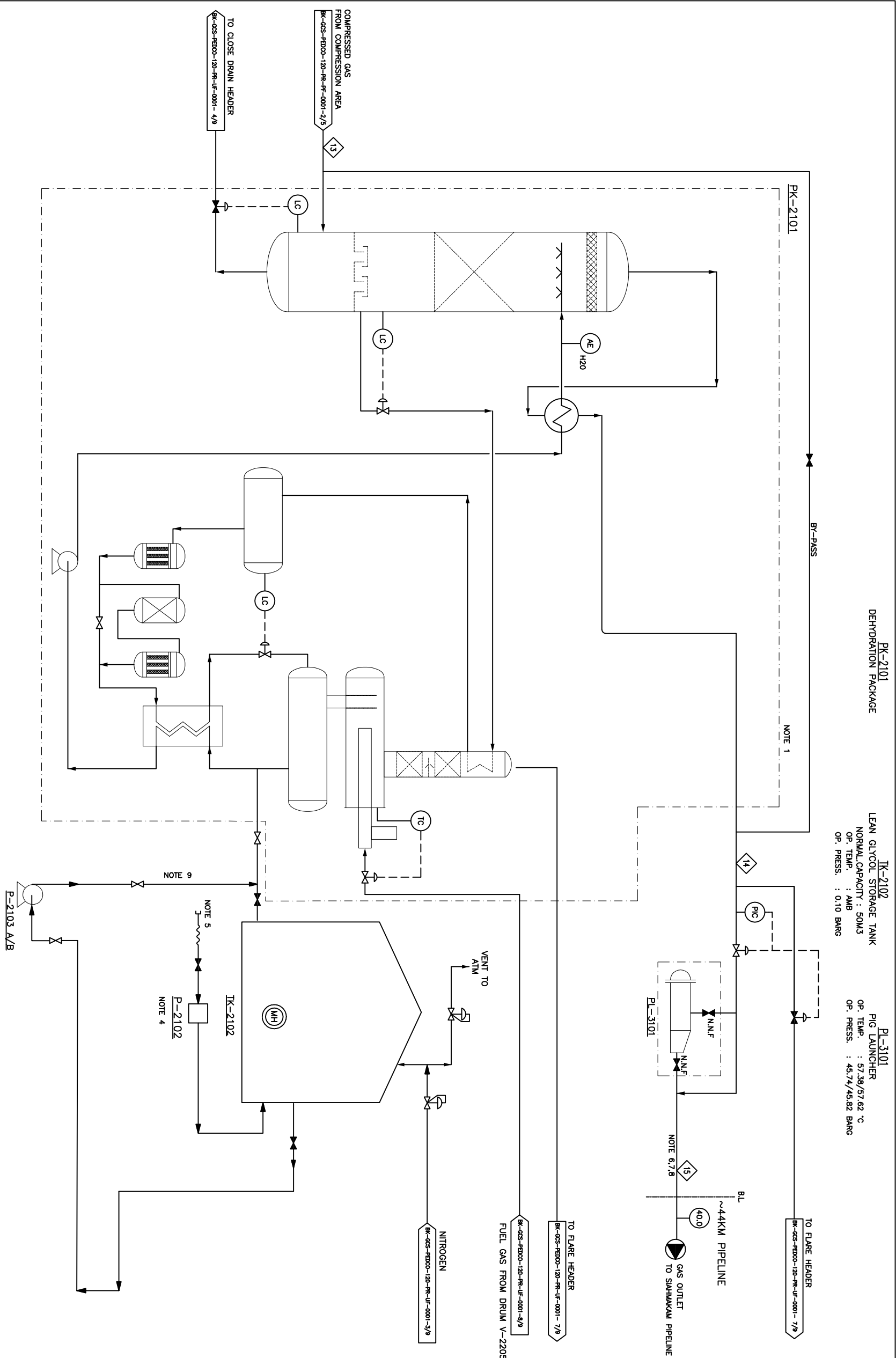
C-2101A/B/C
1ST STAGE GAS COMPRESSOR
NORMAL CAPACITY (MMSCFD) : 7.065 / 7.093
DIFFERENTIAL PRESSURE (BAR) : 14.1
BHP DUTY (kW) : 463.4 /484.3

C-2102A/B/C
2ND STAGE GAS COMPRESSOR
NORMAL CAPACITY (MMSCFD) : 7.065 / 7.093
DIFFERENTIAL PRESSURE (BAR) : 36.7
BHP DUTY (kW) : 436.5/448.3

NOTE 1

NOTE 1

(VENDOR TITLE BLOCK)**



PROJECT NAME: BINKA OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION PROJECT NO.: 971020 REV. DATE P.O.L.S PREP. CHK. APP. AUT.									
EPC CONTRACTOR: BIRKAN ENERGY - DESIGN & INSPECTION COMPANIES EPC/EPC CONTRACTOR (GC): PETROBRAN DEVELOPMENT COMPANY									
DRAWING TITLE: Process Flow Diagram (PFD) NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
SCALE SIZE DRAWING NO. SHEET NO. REV. NS A3 BK-GCS-PFD00-150-PF-P7-0001 3 OF 5 D05 APPROVED FOR CONSTRUCTION BY: DATE: BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION 053-0703-0104 P 2 A 7068777 3 OF 5 D05									
DATE SCALE DRAWING BY CHECKED BY PROJECT ENG. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREON ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS									

NOTES	
1. EQUIPMENT AND CONFIGURATION OF GLYCOL PACKAGE WILL BE FINALIZED BY VENDOR. 2. DELETED. 3. DELETED. 4. MANUAL PUMP. 5. CONNECTION FOR GLYCOL LOADING FROM TRUCK. 6. THE PRODUCT WATER DOW POINT MUST BE CONSIDERED 5 °C. 7. THE PRODUCT WATER CONTENT IS CALCULATED 11.43~11.63 lb/MMSCFD AND WILL BE FINALIZED BY VENDOR. 8. THE OUTLET PRESSURE OF GCS IS CONSIDERED BASED ON THE RESULTS OF HYDRAULIC CALCULATIONS OF THE SHAHMAKAN PIPELINE. 9. 0.5 LIT/MMSCFD FOR GLYCOL MAKE-UP IS ASSUMED. IT WILL BE FINALIZED BY VENDOR.	
LEGEND	
 LIQUID FLOW RATE, kg/hr	
 GAS FLOW RATE, sm ³ /h	
 PRESSURE, barg	
 TEMPERATURE, °C	
 STREAM NUMBER	
 MASS FLOW RATE, kg/hr	
REFERENCE DRAWING	DWG. No.
Symbol & Legend For PFD and P&ID	HC-001A, PFD-001-PS-FI-0001
Process Basis of Design	HC-001A, PFD-001-PS-3B-0001

[illegible]