

NOTES

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

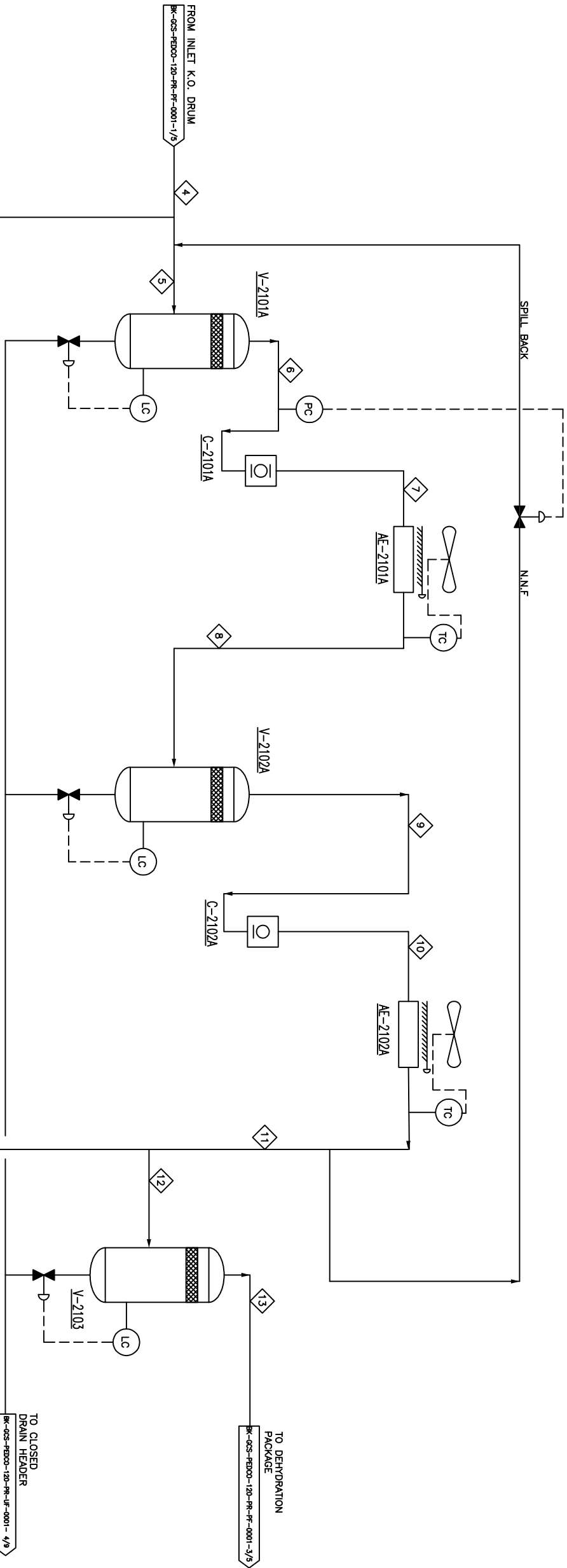
V-2101 A/B/C
1ST STAGE GAS
COMPRESSION SUCTION DRUM
OP. TEMP. : 19.02 ~ 36.92 °C
OP. PRESS. : 5.1 BARG

V-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

V-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



LEGEND

- LIQUID FLOW RATE, kg/hr
- GAS FLOW RATE, sm³/h
- PRESSURE barg
- TEMPERATURE °C
- STREAM NUMBER
- MASS FLOW RATE, kg/hr

REFERENCE DRAWING		DRG. No.
Symbol & Legend For PFD and P&ID		BK-DRILL-FR000-000-PR-PF-0001
Process Basis Of Design		BK-DRILL-FR000-000-PR-1B-0001

KEY PLAN

DO7	APR. 2023	ATC	U/ATV/AB	U/ATV/AB	U/ATV/AB				
DO6	JAN. 2023	IPA	U/ATV/AB	U/ATV/AB	U/ATV/AB				
DO5	SEP. 2022	IPA	U/ATV/AB	U/ATV/AB	U/ATV/AB				
DO4	MAR. 2022	IPA	U/ATV/AB	U/ATV/AB	U/ATV/AB				
DO3	JAN. 2022	IPA	U/ATV/AB	U/ATV/AB	U/ATV/AB				
DO2	NOV. 2021	IPA	U/ATV/AB	U/ATV/AB	U/ATV/AB				
DO1	OCT. 2021	IPA	U/ATV/AB	U/ATV/AB	U/ATV/AB				
DO0	AUG. 2021	IPC	U/ATV/AB	U/ATV/AB	U/ATV/AB				
REV.	DATE	FOI IS	PREP.	CHK.	APP.	AUT.			

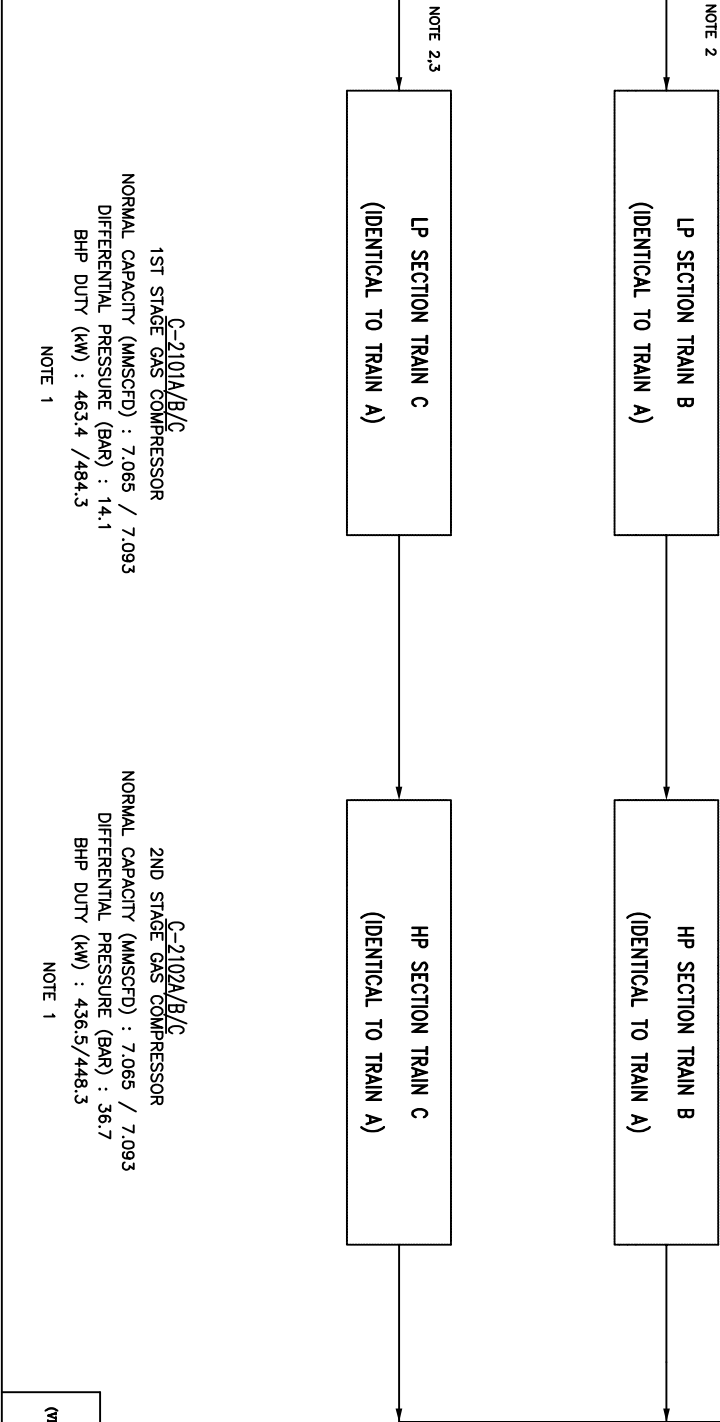
PROJECT NAME: BINAK OUTFIELD DEVELOPMENT/SURFACE FACILITIES									
PROJECT NO.: 971020									
EPC CONTRACTOR: EBP/EPIC CONTRACTOR (GC)									
BIRGIAN ENERGY – DESIGN & INSPECTION									
P&IDCO PETROBRAS DEVELOPMENT COMPANY									

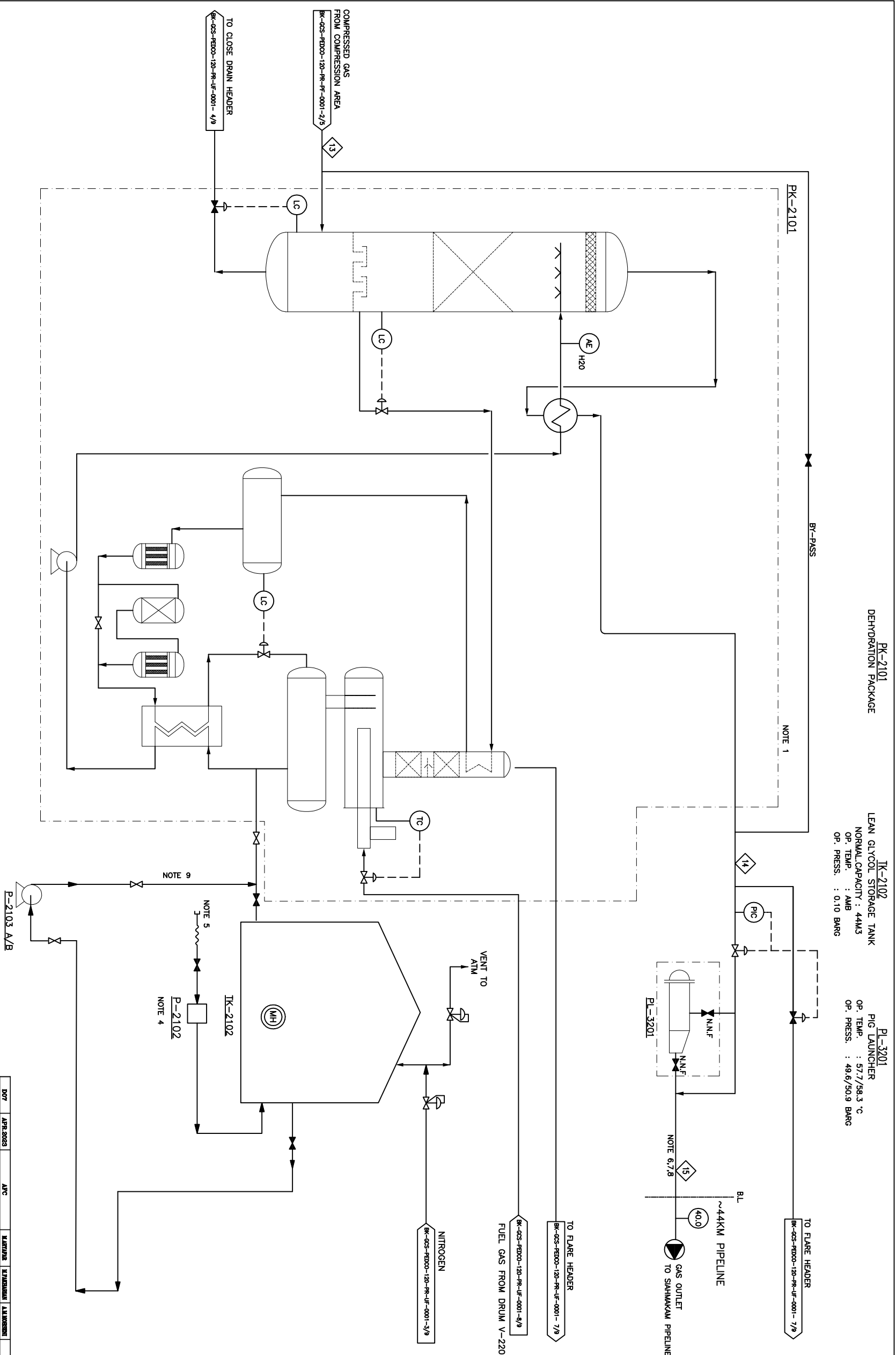
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DRAWING TITLE: Process Flow Diagram (PFD)									
DRAWING NO. 2 OF 5									
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
APPROVED FOR CONSTRUCTION BY: 706777									
BUDGET REV. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION									
NS 43 BK-GCS-FR000-120-PR-PF-0001 2 OF 5 DO7 063-075-0164 P 2 A 706777 2 OF 5 DO7									

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



[illegible]

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 DRY 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 GOS 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-001AL-PFD00-000-PS-FI-0001
Process Basis of Design	HC-001AL-PFD00-000-PS-2B-0001

