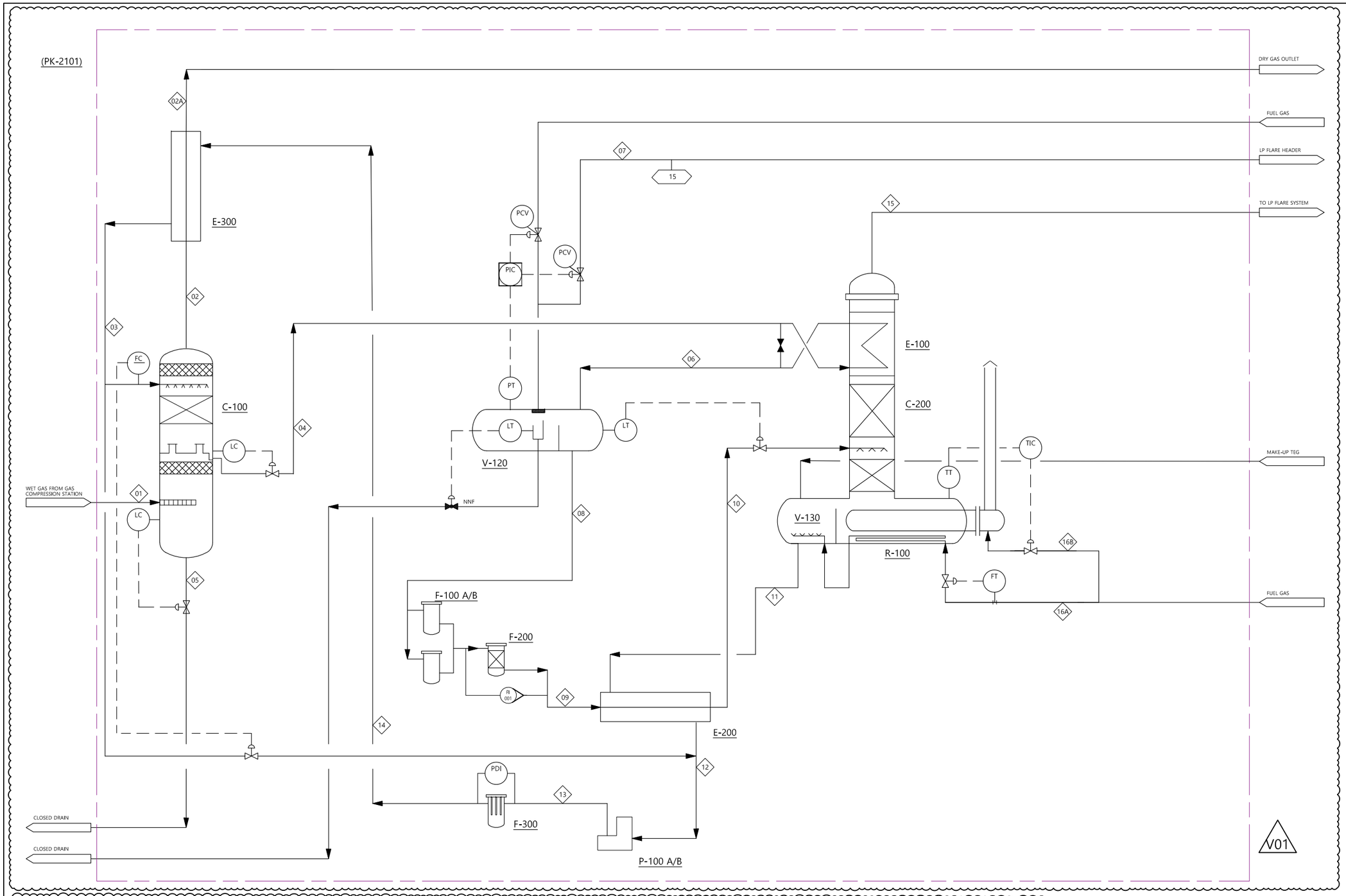

C-100
GLYCOL GAS CONTACTOR
IDxTT : 650X1030 mm
OPERATING TEMP. : 62.8-63.8 °C
OPERATING PRESS. : 53.9 BARG

E-300 (Note 4)
DEHYDRATED GAS/LEAN GLYCOL HEAT EXCHANGER
DUTY: 26 x 1.1 kw
INLET-OUTLET SHELL/TUBE TEMP.(SHELL) : (114.9-68)/(63.6-66.7) °C
INLET-OUTLET SHELL/TUBE PRESS.: (55.1-54.9)/(53.9-53.6) BARG

F-100
PARTICLE GLYCOL FILTER
OPERATING TEMP. : 74 °C
OPERATING PRESS. : 4.5 BARG

F-200
CARBON GLYCOL FILTER
OPERATING TEMP. : 74 °C
OPERATING PRESS. : 4 BARG

F-300
LEAN GLYCOL FILTER
OPERATING TEMP. : 115-120 °C
OPERATING PRESS. : 55 BARG

V-120
GLYCOL FLASH DRUM
OPERATING TEMP. : 74 °C
OPERATING PRESS. : 4.5 BARG

P-100 A/B
LEAN GLYCOL CIRCULATION PUMP
CAPACITY (MAXIMUM/RATED) : 0.84/0.96 M3/HR
DIFFERENTIAL PRESSURE : 54.5 BAR

C-200
GLYCOL REGENERATION STILL COLUMN
OPERATING TEMP. (TOP/BOTTOM) : 89/140 °C
OPERATING PRESS. (TOP/BOTTOM) : 1/1.1 BARG

E-200 (Note 4)
LEAN/RICH GLYCOL EXCHANGER
DUTY: 45 x 1.1 kw
INLET-OUTLET SHELL/TUBE TEMP.(SHELL) : (186.6-113.9)/(73.6-140) °C
INLET-OUTLET SHELL/TUBE PRESS.: (0.997-0.9)/(3.3-3.1) BARG

E-100 (Note 4)
REFLUX CONDENSER
DUTY: 7.2 x 1.1 kw
INLET-OUTLET SHELL/TUBE TEMP.(SHELL) : (93.2-89)/(62.3-73.6) °C
INLET-OUTLET SHELL/TUBE PRESS.: (1.05-1)/(4.8-4.5) BARG

R-100
GLYCOL REGENERATOR REBOILER
DUTY: 77 x 1.1 kw
INLET/OUTLET OPERATING TEMP .(SHELL) : 140-204 °C
OPERATING PRESS .(SHELL) : 1.1 BARG

V-130
GLYCOL SURGE DRUM
OPERATING TEMP. : 186.5 °C
OPERATING PRESS. : 0.997 BARG

V01

NOTES

1. REFER TO HEAT AND MATERIAL BALANCE - TEG DEHYDRATION UNIT AND TEG REGENERATION FOR STEAM DETAILS.
2. FACILITIES SHOWN VENDOR PACKAGE. VENDOR'S SCOPE SHALL BE DESIGNED AND SUPPLIED AS SINGLE SKID ITEM.
3. DESIGN CASE:SUMMER.
4. THE PROVIDED INLET/OUTLET CONDITIONS ARE FOR SUMMER CASE

LEGEND

REFERENCE DRAWING	DRG. No.
**********	******

KEY PLAN

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
V01	MAY.2024	IFA	MFS	M.FAKHARIAN	S.FARAMARZPOUR	
V00	FEB.2024	IFA	MFS	M.FAKHARIAN	S.FARAMARZPOUR	**.**

REV.	DESCRIPTION	CHECKED BY	CHECKED DATE	REV. APPR. BY	REV. APPR. DATE
***	**********	**.**	***.****	**.**	***.****

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS & GAS-CONDENSATE PIPELINES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PEDCO — PETROIRAN DEVELOPMENT COMPANY

این نقشه و متعلقات آن اختصاصی و ملک شرکت ملی نفت ایران می باشد و نزد هر شخص حقیقی و حقوقی نگهداری می شود

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS CPMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

DRAWING TITLE: PROCESS FLOW DIAGRAM FOR GAS DEHYDRATION PACKAGE

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	A3	BK-GCS-MF-120-PR-PF-0001	1 OF 1	V01

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION