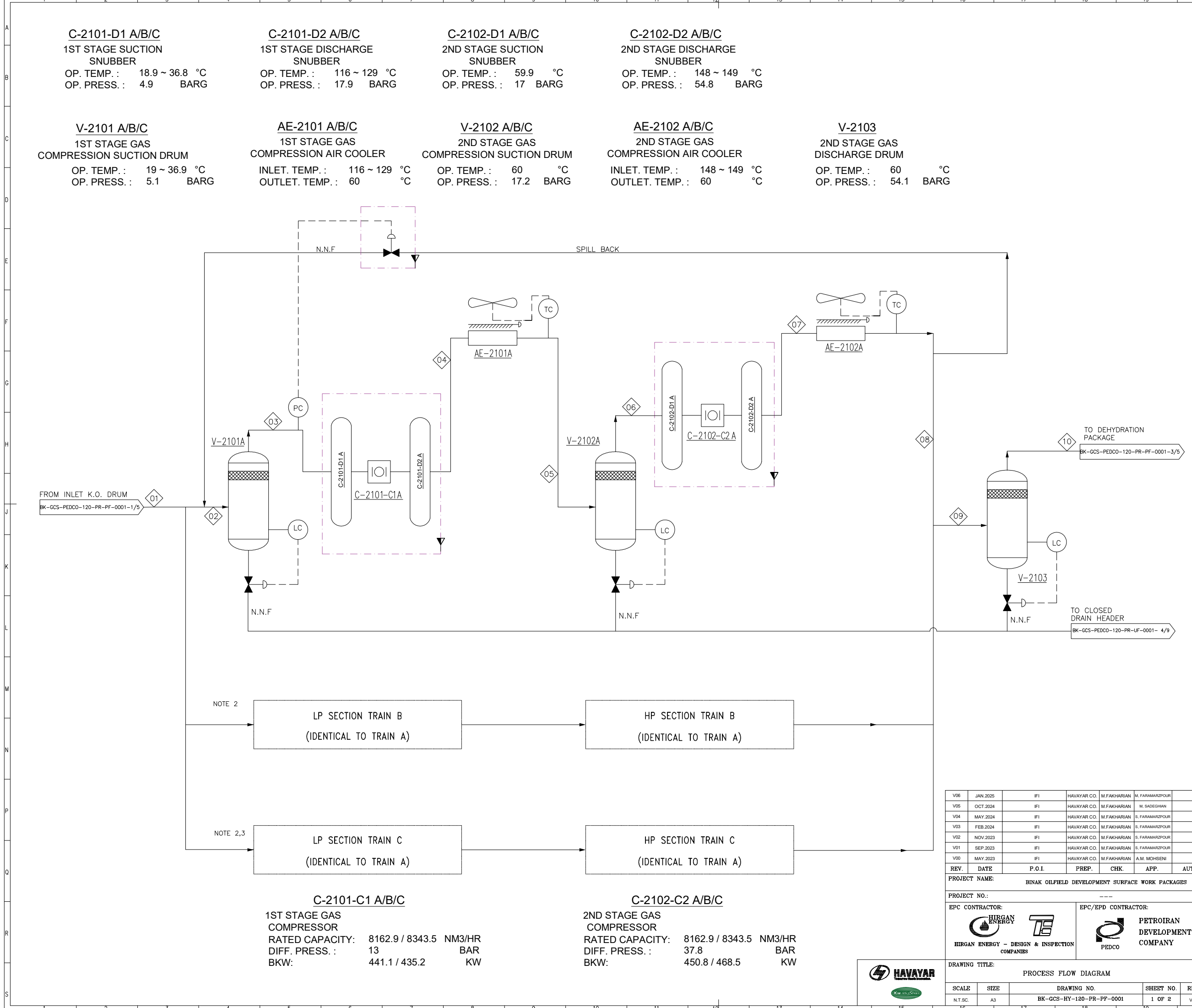




REFERENCE DRAWINGS

DWG. NUMBER

Symbol & Legend For PFD and P&ID

BK-GNRAI-PEDCO-000-PR-P1-0001

Note :

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

Legend :

◇ STREAM NUMBER

V06	JAN.2025	IFI	HAVAYAR CO.	M.FAKHARIAN	M.FARAMARZPOUR	
V05	OCT.2024	IFI	HAVAYAR CO.	M.FAKHARIAN	M. SADEGHAN	
V04	MAY.2024	IFI	HAVAYAR CO.	M.FAKHARIAN	S. FARAMARZPOUR	
V03	FEB.2024	IFI	HAVAYAR CO.	M.FAKHARIAN	S. FARAMARZPOUR	
V02	NOV.2023	IFI	HAVAYAR CO.	M.FAKHARIAN	S. FARAMARZPOUR	
V01	SEP.2023	IFI	HAVAYAR CO.	M.FAKHARIAN	S. FARAMARZPOUR	
V00	MAY.2023	IFI	HAVAYAR CO.	M.FAKHARIAN	A.M. MOHSENI	
REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES						
PROJECT NO.: ---						
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			EPC/EPD CONTRACTOR: PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: PROCESS FLOW DIAGRAM						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	
N.T.S.C.	A3	BK-GCS-HY-120-PR-PF-0001		1 OF 2	V06	

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BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION		BY:	DATE:
BUDGET REF.	LOCATION	SIZE	CLASS

SHEET	REVISION

HAVAYAR
Energy Development Company

21

22

A3

Software Autodesk

File No BK-GCS-HY-120-PR-PF-0001-V06.1

SUMMER CASE											
STREAM NO.	UNIT	01	02	03	04	05	06	07	08	09	10
VAPOR FRACTION		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TEMPERATURE	°C	36.9	36.9	36.8	129	60	59.9	148	60	60	59.9
PRESSURE	BARG	5.1	5.1	4.9	17.9	17.2	17	54.8	54.1	54.1	53.9
MASS FLOW	KG/H	17833	8664	8664	8664	8664	8664	8664	8664	17327	17252
COMPOSITION (MOLE FRACTION)											
H2O		0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0045
CO2		0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0318
H2S		0.0541	0.0541	0.0541	0.0541	0.0541	0.0541	0.0541	0.0541	0.0541	0.0544
METHANE		0.6389	0.6389	0.6389	0.6389	0.6389	0.6389	0.6389	0.6389	0.6389	0.6427
ETHANE		0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1375	0.1383
PROPANE		0.0773	0.0773	0.0773	0.0773	0.0773	0.0773	0.0773	0.0773	0.0773	0.0778
i–BUTANE		0.0084	0.0084	0.0084	0.0084	0.0084	0.0084	0.0084	0.0084	0.0084	0.0084
n–BUTANE		0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0187
i–PENTANE		0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
n–PENTANE		0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
n–HEXANE		0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0066
n–HEPTANE		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
n–OCTANE		0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
n–NONANE		0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
n–DECANE		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
NITROGEN		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003

WINTER CASE											
STREAM NO.	UNIT	01	02	03	04	05	06	07	08	09	10
VAPOR FRACTION		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TEMPERATURE	°C	19	19	18.9	116	60	59.9	149	60	60	59.9
PRESSURE	BARG	5.1	5.1	4.9	17.9	17.2	17	54.8	54.1	54.1	53.9
MASS FLOW	KG/H	15677	7585	7585	7585	7585	7585	7585	7585	15171	15171
COMPOSITION (MOLE FRACTION)											
H2O		0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036
CO2		0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252
H2S		0.0471	0.0471	0.0471	0.0471	0.0471	0.0471	0.0471	0.0471	0.0471	0.0471
METHANE		0.7398	0.7398	0.7398	0.7398	0.7398	0.7398	0.7398	0.7398	0.7398	0.7398
ETHANE		0.1143	0.1143	0.1143	0.1143	0.1143	0.1143	0.1143	0.1143	0.1143	0.1143
PROPANE		0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474
i–BUTANE		0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039
n–BUTANE		0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081
i–PENTANE		0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
n–PENTANE		0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
n–HEXANE		0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
n–HEPTANE		0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
n–OCTANE		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
n–NONANE		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
n–DECANE		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NITROGEN		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003

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SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
N.T.SC.	A3	BK–GCS–HY–120–PR–PF–0001			2 OF 2	V06