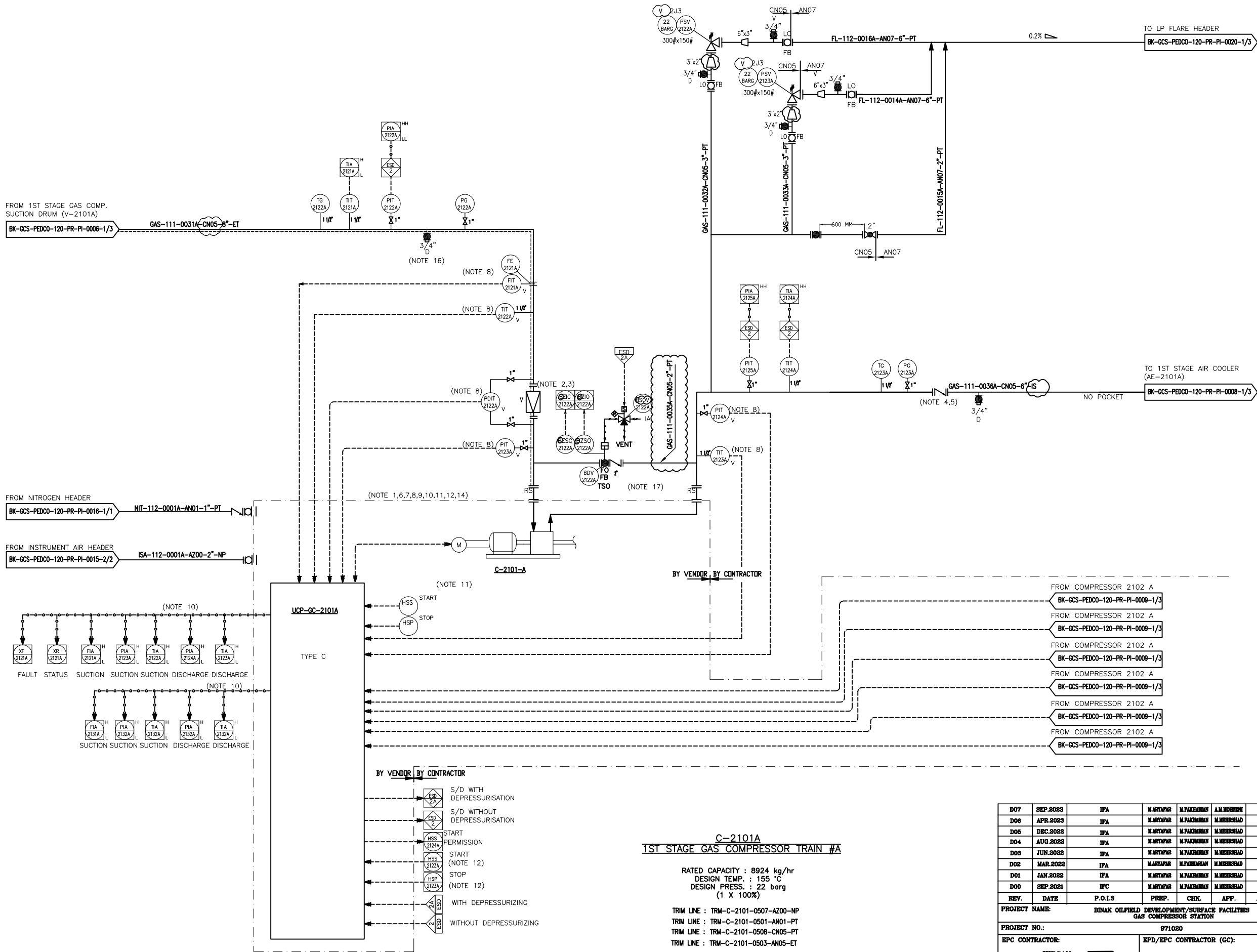




C-2101A
1ST STAGE GAS COMPRESSOR TRAIN #A

RATED CAPACITY : 8924 kg/hr
DESIGN TEMP. : 155 °C
DESIGN PRESS. : 22 barg
(1 X 100%)

TRIM LINE : TRM-C-2101-0507-AZ00-NP
TRIM LINE : TRM-C-2101-0501-AN01-PT
TRIM LINE : TRM-C-2101-0508-CN05-PT
TRIM LINE : TRM-C-2101-0503-AN05-ET

- NOTES
- 1- COMPRESSOR PACKAGE WILL BE FINALIZED BY VENDOR.
 - 2- STRAINER TO BE MIN. DISTANCE FROM COMPRESSOR INLET NOZZLE.
 - 3- STRAINER TO BE REMOVABLE WITHOUT BREAKING PIPING ALIGNMENT.
 - 4- CON TYPE SUITABLE FOR COMPRESSOR SERVICE.
 - 5- LOCATE AS CLOSE TO C-2101A OUTLET FLANGE AS POSSIBLE.
 - 6- CONTROL OF COMPRESSOR PACKAGE WILL BE FINALIZED BY VENDOR.
 - 7- COMPRESSOR VENDOR TO CONFIRM REQUIREMENT FOR HOT GAS BY-PASS.
 - 8- SHALL BE PROVIDED BY COMPRESSOR VENDOR.
 - 9- PULSATION DAMPERS ARE REQUIRED ON DISCHARGE OF EACH STAGE.
 - 10- REDUNDANT SERIAL LINK SHALL BE CONSIDERED BETWEEN UCP AND DCS. QUANTITIES OF SIGNALS WILL BE FINALIZED LATER. UCP WILL BE CONNECTED TO ESD VIA HARD WIRE
 - 11- LCP SHALL BE PROVIDED AS PER COMPRESSOR DATA SHEET BY VENDOR.
 - 12- STOP/START SEQUENCE LOGIC SHALL BE IMPLEMENTED BY COMMON COMPRESSOR UCP LOCATED ON CONTROL BUILDING.
 - 13- DELETED.
 - 14- SIL 3 REQUIREMENT TO BE CONSIDERED FOR SAFETY LOOP. BY COMPRESSOR VENDOR.
MCC BY CONTRACTOR DURING DESIGN (SIL STUDY OF PACKAGE IS BY VENDOR)
 - 15- DEFINE IN OPERATING MANUAL OF COMPRESSOR STATION THAT OPERATOR SHOULD ADJUST COMPRESSOR CAPACITY ACCORDING TO STATION FLOW RATE.
 - 16 -DRAIN CONNECTION SHALL BE CONSIDER ON LOW POINT OF LINE BETWEEN V-2101 A AND COMPRESSOR.
 - 17 -THIS VALVE TAKES COMMAND FROM EMERGENCY SYSTEM AND SHALL BE OPENED IN CASE OF ESD2A FOR DEPRESSURIZING.
 - 18- PARTIAL STROKE DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESD 1,0.

LEGEND

V : PROVIDE BY COMPRESSOR VENDOR

REFERENCE DRAWING	DRG. No.
Process Flow Diagram	BK-GCS-PEDCO-120-PR-PF-0001
Symbol & Legend For PFD and P&ID	BK-GCS-PEDCO-120-PR-Pi-0001

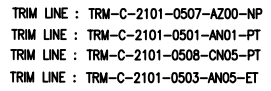
KEY PLAN

D07	SEP.2023	IPA	M.ARTAPAR	M.PAKHMAN	A.M.MOHEBBI	00.00
D06	APR.2023	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D05	DEC.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D04	AUG.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D03	JUN.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D02	MAR.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D01	JAN.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D00	SEP.2021	IPC	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION					
PROJECT NO.: 971020					
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY		

DRAWING TITLE: P&ID - 1st STAGE GAS COMPRESSION COMPRESSORS					
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.
NS	AS	BK-GCS-PEDCO-120-PR-Pi-0007	1 OF 3	D07	053-073-9184

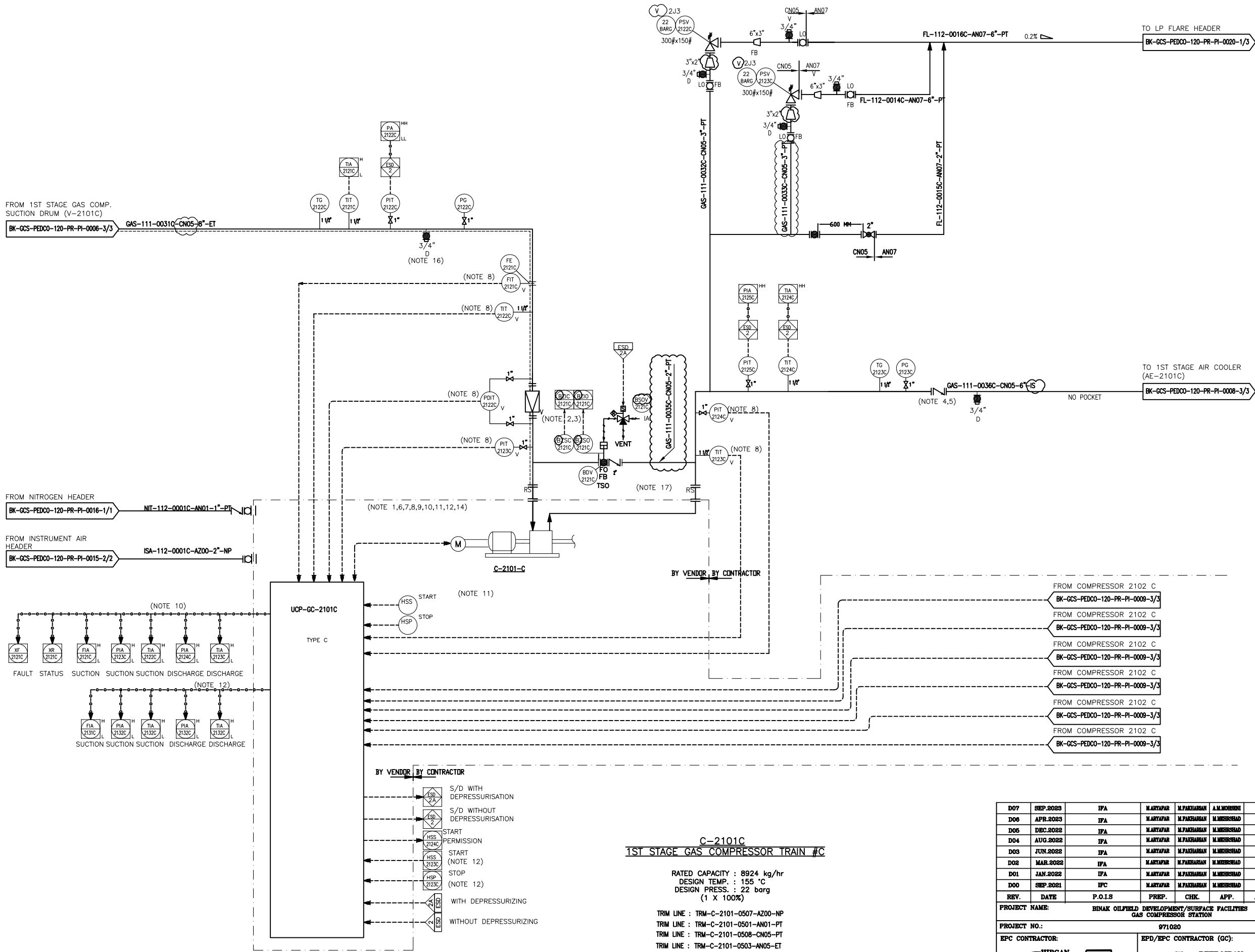
 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS					
BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION			BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET REVISION
053-073-9184	F	2	A	708785	1 OF 3 D07



SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	A3	BK-GCS-PEDCO-120-PR-P1-0007	2 OF 3	D07

APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-0184	F	2	A	708785	2 OF 3	D07

(VENDOR TITLE BLOCK)**



- NOTES**
- COMPRESSOR PACKAGE WILL BE FINALIZED BY VENDOR.
 - STRAINER TO BE MIN. DISTANCE FROM COMPRESSOR INLET NOZZLE.
 - STRAINER TO BE REMOVABLE WITHOUT BREAKING PIPING ALIGNMENT.
 - CON TYPE SUITABLE FOR COMPRESSOR SERVICE.
 - LOCATE AS CLOSE TO C-2101A OUTLET FLANGE AS POSSIBLE.
 - CONTROL OF COMPRESSOR PACKAGE WILL BE FINALIZED BY VENDOR.
 - COMPRESSOR VENDOR TO CONFIRM REQUIREMENT FOR HOT GAS BY-PASS.
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 - LCP SHALL BE PROVIDED AS PER COMPRESSOR DATA SHEET BY VENDOR.
 - DELETED.
 - SIL 3 REQUIREMENT TO BE CONSIDERED FOR SAFETY LOOP. BY COMPRESSOR VENDOR. MCC BY CONTRACTOR DURING DESIGN (SIL STUDY OF PACKAGE IS BY VENDOR)
 - DEFINE IN OPERATING MANUAL OF COMPRESSOR STATION THAT OPERATOR SHOULD ADJUST COMPRESSOR CAPACITY ACCORDING TO STATION FLOW RATE.
 - DRAIN CONNECTION SHALL BE CONSIDER ON LOW POINT OF LINE BETWEEN V-2101 C AND COMPRESSOR.
 - THIS VALVE TAKES COMMAND FROM EMERGENCY SYSTEM AND SHALL BE OPENED IN CASE OF ESD2A FOR DEPRESSURIZING.
 - PARTIAL STROKE DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESD 1,0.

LEGEND

V : PROVIDE BY COMPRESSOR VENDOR

REFERENCE DRAWING	DRG. No.
Process Flow Diagram	BK-GCS-PEDCO-120-PR-PF-0001
Symbol & Legend For PFD and P&ID	BK-GCS-PEDCO-120-PR-PI-0001

KEY PLAN

D07	SEP.2023	IPA	M.ARTAPAR	M.PAKHMAN	A.M.MOHEBBI	00.00
D06	APR.2023	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D05	DEC.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D04	AUG.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D03	JUN.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D02	MAR.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D01	JAN.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D00	SEP.2021	IPC	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION					
PROJECT NO.: 971020					
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):		
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			PETROIRAN DEVELOPMENT COMPANY		

DRAWING TITLE: P&ID - 1st STAGE GAS COMPRESSION COMPRESSORS					
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.
NS	AS	BK-GCS-PEDCO-120-PR-PI-0007	3 OF 3	D07	053-073-0184

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**BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION**

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION				BY:	DATE:		
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION	
053-073-0184	F	2	A	706785	3 OF 3	D07	