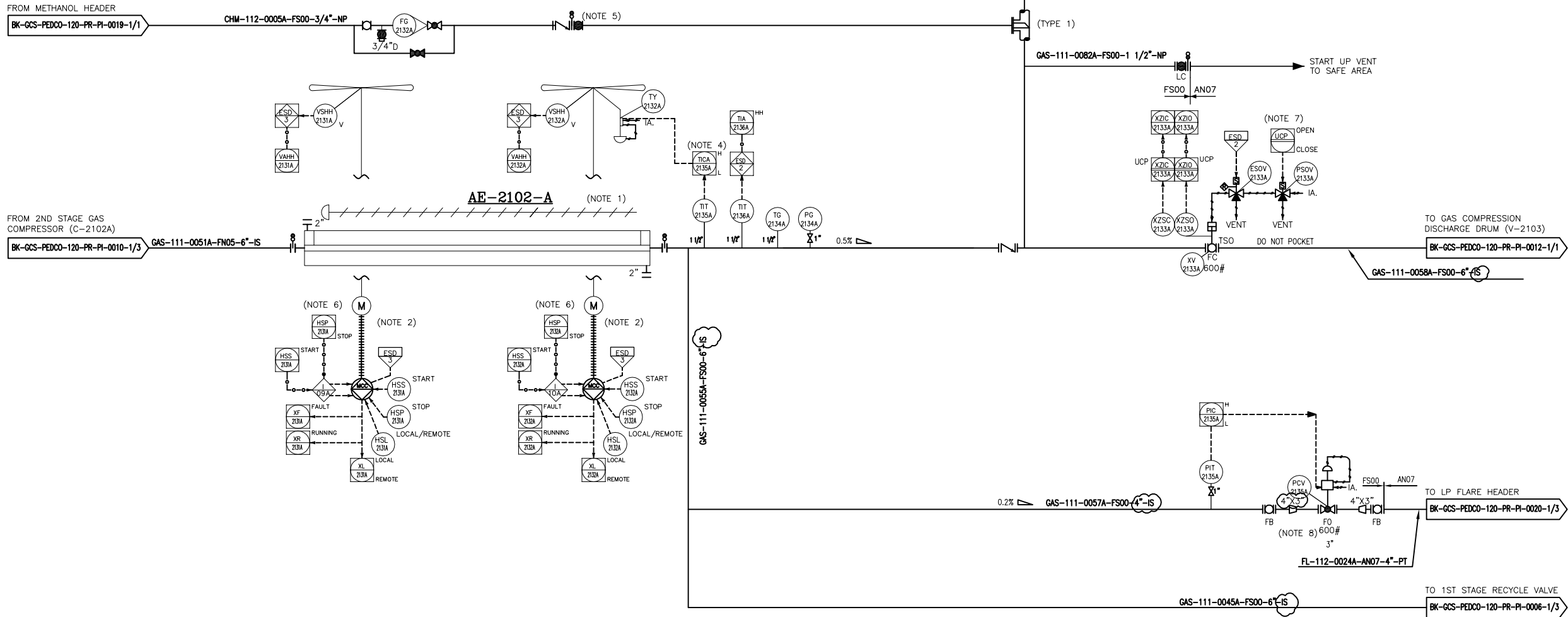


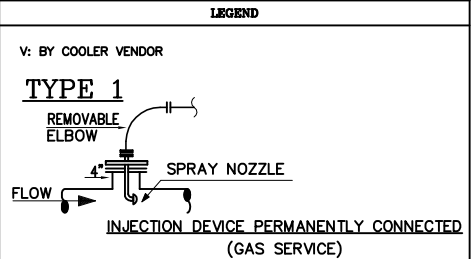
AE-2102A
2ND STAGE GAS COMPRESSION AIR COOLER
TRAIN #A

RATED DUTY : 545 kW
DESIGN TEMP. : 175 °C
DESIGN PRESS. : 62 barg

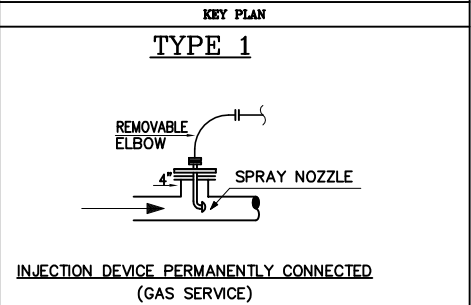
TRIM LINE : TRM-AE-2102-0511-FN05-IS
TRIM LINE : TRM-AE-2102-0513-FS00-NP



- NOTES**
- 1- MANUAL LOUVER CONTROL.
 - 2- HALF OF FANS SHALL BE EQUIPPED WITH VARIABLE PITCH AUTOMATIC SYSTEM TO CONTROL FLUID OUTLET TEMPERATURE.
 - 3- THIS ESD VALVE SHOULD BE OPENED DURING START-UP OF COMPRESSOR.
 - 4- TEMPERATURE TO BE ADJUSTED BY BLADE CONTROL SYSTEM.
 - 5- BEFORE IN CASE OF COLD DEPRESSURIZING, MANUAL VALVE WILL BE OPEN BY OPERATOR.
 - 6- TO BE PROVIDED BY COOLER VENDOR.
 - 7- SHALL BE CONTROLLED BY COMPRESSOR PACKAGE UCP DURING START UP.
 - 8- CONTROL VALVE SIZING WILL BE FINALIZED BY VENDOR.
 - 9- PARTIAL STROKE DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESD 1,0.



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



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

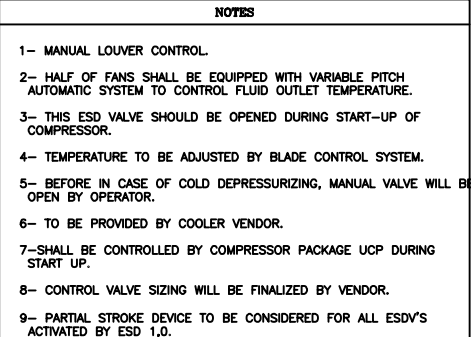
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION					
PROJECT NO.: 971020					
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):		
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY		

DRAWING TITLE: PAID - 2nd STAGE GAS COMPRESSION AIR COOLERS					
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.
NS	AS	BK-GCS-PEDCO-120-PR-PI-0011	1 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
053-073-0184	F	2	A	706789	1 OF 3
					D07

RATED DUTY : 545 kW
DESIGN TEMP. : 175 °C
DESIGN PRESS. : 62 barg

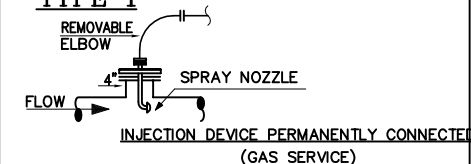
TRIM LINE : TRM-AE-2102-0511-FN05-IS
TRIM LINE : TRM-AE-2102-0513-FS00-NP



LEGEND

V: BY COOLER VENDOR

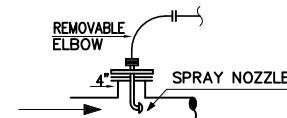
TYPE 1



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

TYPE 1



INJECTION DEVICE PERMANENTLY CONNECTED
(GAS SERVICE)

D07	SEP.2023	APC	MARTAPAR	M.PAKHARJAN	A.M.MOHSSENI	00.00
D06	APR.2023	IFA	MARTAPAR	M.PAKHARJAN	M.MOHSSENI	00.00
D05	DEC.2022	IFA	MARTAPAR	M.PAKHARJAN	M.MOHSSENI	00.00
D04	AUG.2022	IFA	MARTAPAR	M.PAKHARJAN	M.MOHSSENI	00.00
D03	JUN.2022	IFA	MARTAPAR	M.PAKHARJAN	M.MOHSSENI	00.00
D02	MAR.2022	IFA	MARTAPAR	M.PAKHARJAN	M.MOHSSENI	00.00
D01	JAN.2022	IFA	MARTAPAR	M.PAKHARJAN	M.MOHSSENI	00.00
D00	SEP.2021	IFC	MARTAPAR	M.PAKHARJAN	M.MOHSSENI	00.00
REV.	DATE	P.O.L.S	PREP.	CHK.	APP.	AUT.

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

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	A3	BK-GCS-PEDCO-120-PR-PI-0011	2 OF 3	D07

احل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

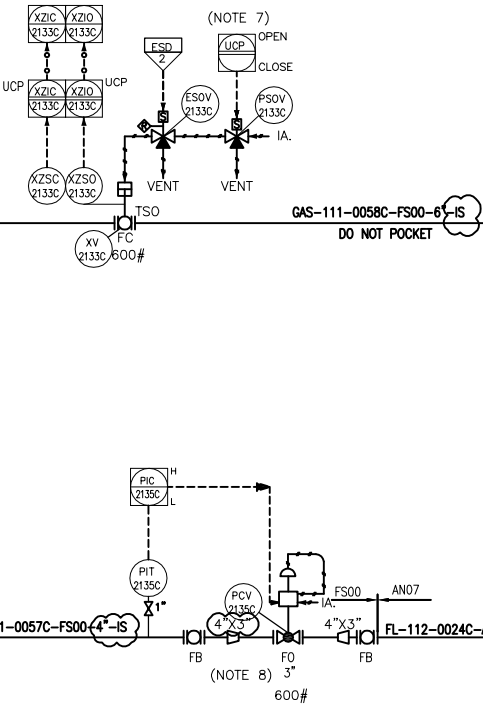
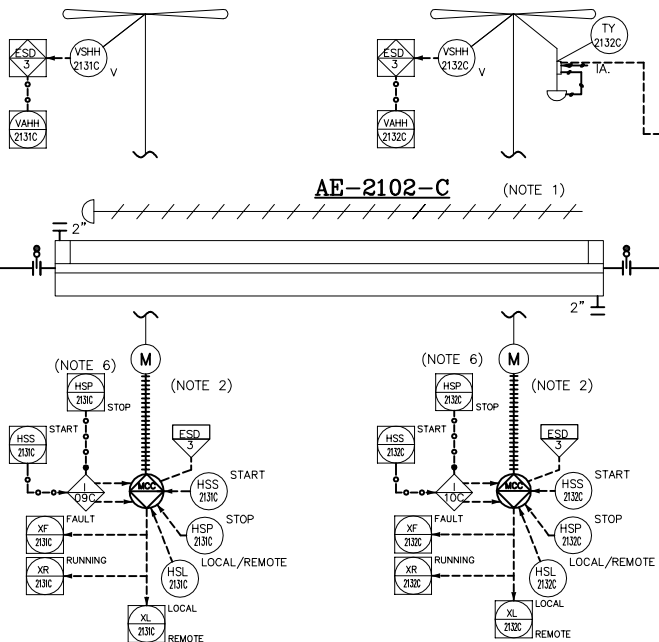
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				

APPROVED FOR CONSTRUCTION				BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	2	A	706789	2 OF 3	D07

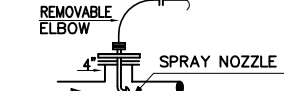
(VENDOR TITLE BLOCK)

TRIM LINE : TRM-AE-2102-0511-FN05-IS
TRIM LINE : TRM-AE-2102-0513-FS00-NP



- LEGEND**
- v: BY COOLER VENDOR
- TYPE 1**
-
- REMOVABLE ELBOW
- 4"
- SPRAY NOZZLE
- FLOW
- INJECTION DEVICE PERMANENTLY CONNECTED**
(GAS SERVICE)

TYPE 1



INJECTION DEVICE PERMANENTLY CONNECTED
(GAS SERVICE)

PROJECT NAME: BNAK 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 - 2nd Stage GAS COMPRESSION AIR COOLERS				
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	A3	BK-GCS-PEDCO-120-PR-P1-0011	3 OF 3	D07

اصل و کلیه نسخ این نقشه و حق اقبالی متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.

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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
068-073-0184	F	2	A	708780	3 OF 3	D07