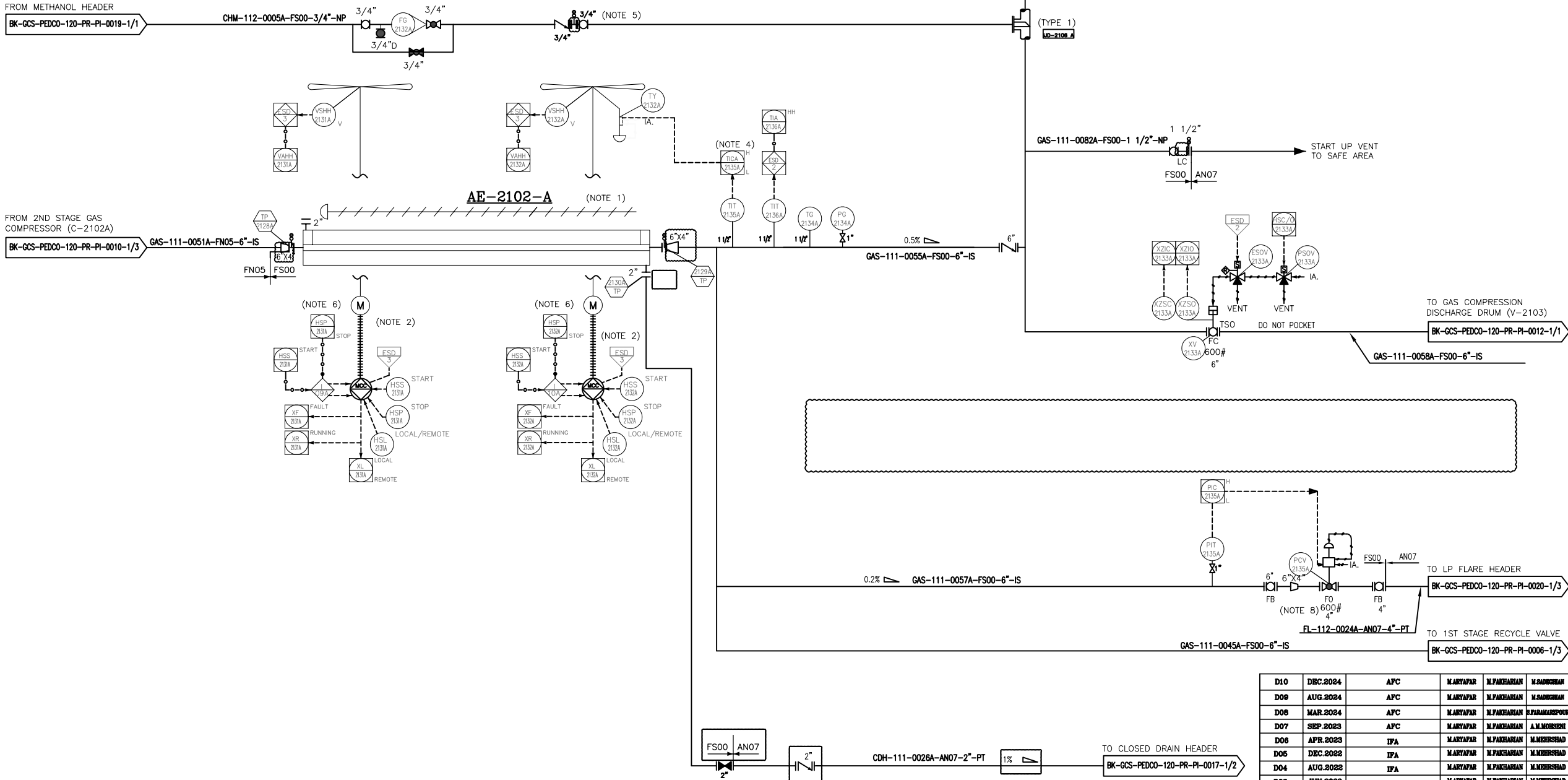
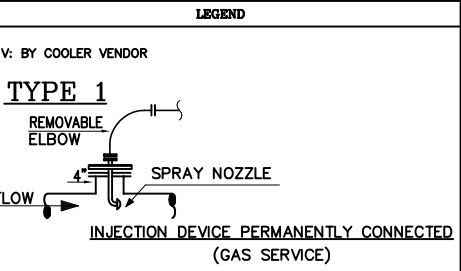


AE-2102A
2ND STAGE GAS COMPRESSION AIR COOLER
TRAIN #A

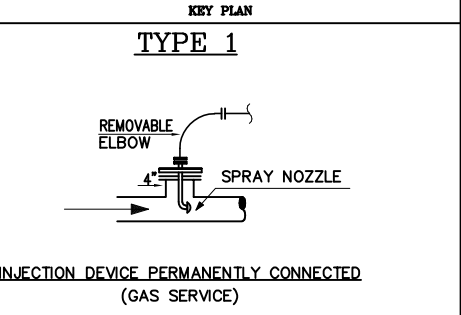
RATED DUTY : 582 kW
DESIGN TEMP. : 175 °C
DESIGN PRESS. : 62 barg
TRIM LINE : TRM-AE-2102-0511-FN05-IS
TRIM LINE : TRM-AE-2102-0513-FS00-NP



- 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- DELETED.
 - 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.
 - 10- ALL DRAIN LINE SHALL BE CONNECTED TO CLOSED DRAIN HEADER.
 - 11- FOR MORE DETAIL REFER TO VENDOR'S PID DOC. NO.
- "BK-GCS-AA-120-PR-PI-0001".



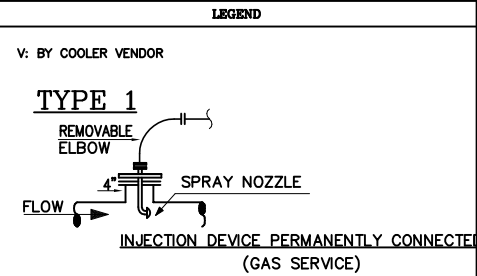
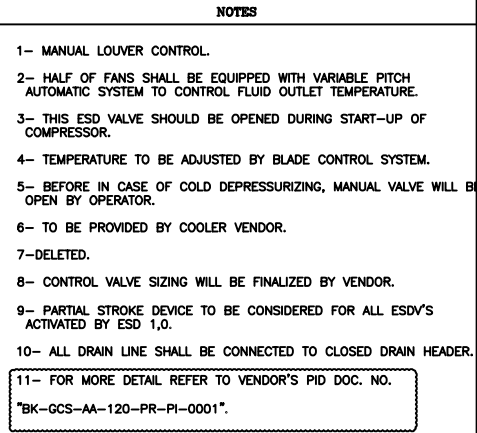
REFERENCE DRAWING	DRG. No.
Process Flow Diagram	BK-GCS-PEDCO-120-PR-PI-0001
Symbol & Legend For PFD and P&ID	BK-GCS-PEDCO-120-PR-PI-0001



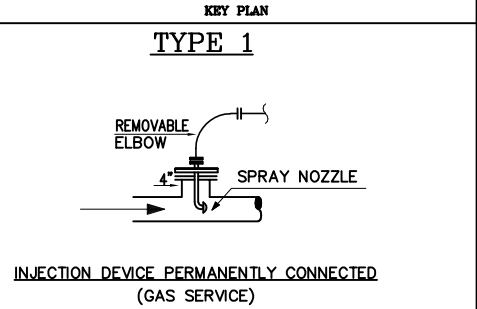
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D09	AUG.2024	APC	MARTAPAR	M.PAKHARIAN	M.SADIGHIAN	00.00
D08	MAR.2024	APC	MARTAPAR	M.PAKHARIAN	S.PARMAKPOUR	00.00
D07	SEP.2023	APC	MARTAPAR	M.PAKHARIAN	A.M.MOHESSSEI	00.00
D06	APR.2023	IFA	MARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D05	DEC.2022	IFA	MARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D04	AUG.2022	IFA	MARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D03	JUN.2022	IFA	MARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D02	MAR.2022	IFA	MARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D01	JAN.2022	IFA	MARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D00	SEP.2021	IPC	MARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00

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 - 2nd STAGE GAS COMPRESSION AIR COOLERS				
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	A3	BK-GCS-PEDCO-120-PR-PI-0011	1 OF 3	D10

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				
APPROVED FOR CONSTRUCTION				
BUDGET REF.	LOCATION	SIZE	CLASS	REVISION
053-073-9184	F	2	A	708789



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



D10	DEC.2024	APC	MARYAPAR	M.PAKKHARAN	M.SADIGHAN	00.00
D09	AUG.2024	APC	MARYAPAR	M.PAKKHARAN	M.SADIGHAN	00.00
D08	MAR.2024	APC	MARYAPAR	M.PAKKHARAN	S.PARMADEZFOUR	00.00
D07	SEP.2023	APC	MARYAPAR	M.PAKKHARAN	A.M.MOHRSHI	00.00
D06	APR.2023	IFA	MARYAPAR	M.PAKKHARAN	M.MOHRSHAD	00.00
D05	DEC.2022	IFA	MARYAPAR	M.PAKKHARAN	M.MOHRSHAD	00.00
D04	AUG.2022	IFA	MARYAPAR	M.PAKKHARAN	M.MOHRSHAD	00.00
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D01	JAN.2022	IFA	MARYAPAR	M.PAKKHARAN	M.MOHRSHAD	00.00
D00	SEP.2021	IPC	MARYAPAR	M.PAKKHARAN	M.MOHRSHAD	00.00
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

000	0000000000	00_00	000_0000	00_00	000_0000
REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	

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

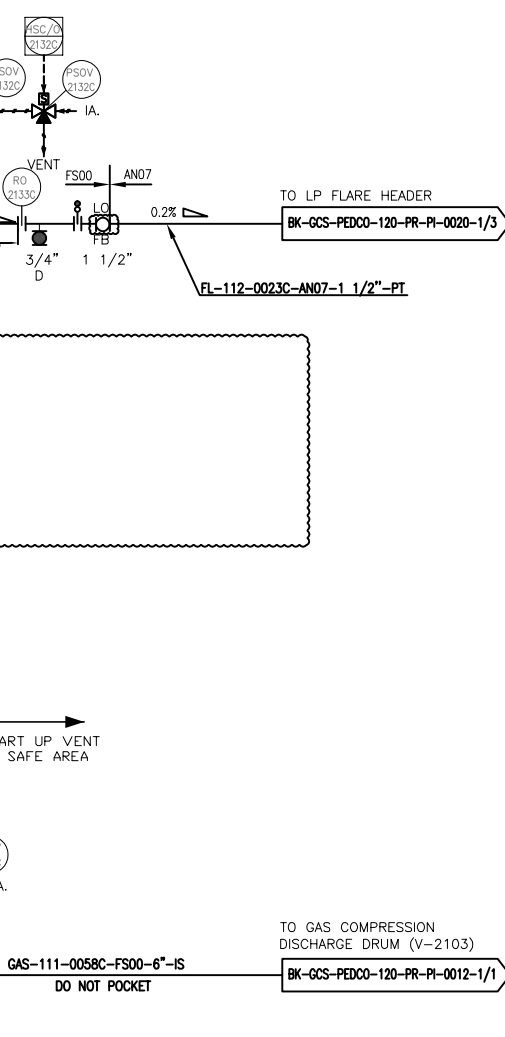
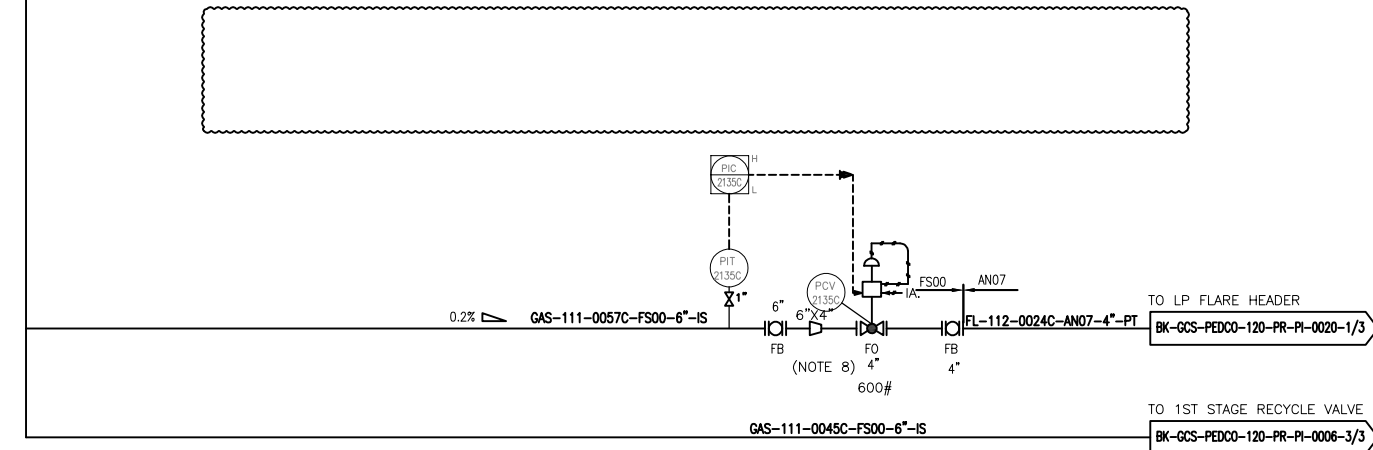
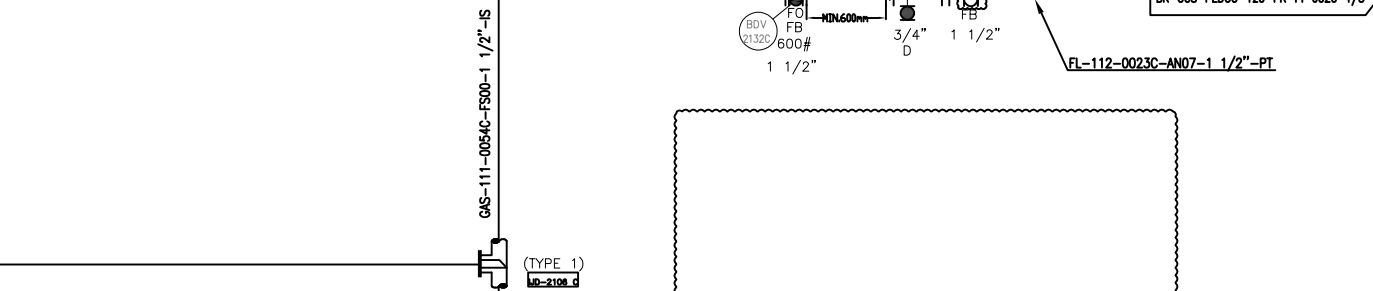
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N.I.S.O.C./ FIELDS

EPC CONTRACTOR:   HURGAN ENERGY – DESIGN & INSPECTION COMPANIES	EPD/EPC CONTRACTOR (GC):   PETROIRAN DEVELOPMENT COMPANY
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DRAWING TITLE:				
P&ID - 2nd STAGE GAS COMPRESSION AIR COOLERS				
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	A3	EK-GCS-PEDCO-120-PR-P1-0011	2 OF 3	D10

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	
MS-073-9184	F	2	A	706789			2 OF 3	D10	

RATED DUTY : 582 kW
DESIGN TEMP. : 175 °C
DESIGN PRESS. : 62 barg



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 SHALL BE OPENED DURING START-UP OF COMPRESSOR.
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- 10- ALL DRAIN LINE SHALL BE CONNECTED TO CLOSED DRAIN HEADER.

11- FOR MORE DETAIL REFER TO VENDOR'S PID DOC. NO.
"BK-GCS-AA-120-PR-P1-0001".

V: BY COOLER VENDOR

TYPE 1

REMOVABLE ELBOW

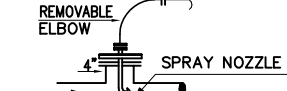
4"

SPRAY NOZZLE

FLOW

**INJECTION DEVICE PERMANENTLY CONNECTED
(GAS SERVICE)**

TYPE 1



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	
063-073-0184	F	2	A	708769		3 OF 3		D10	