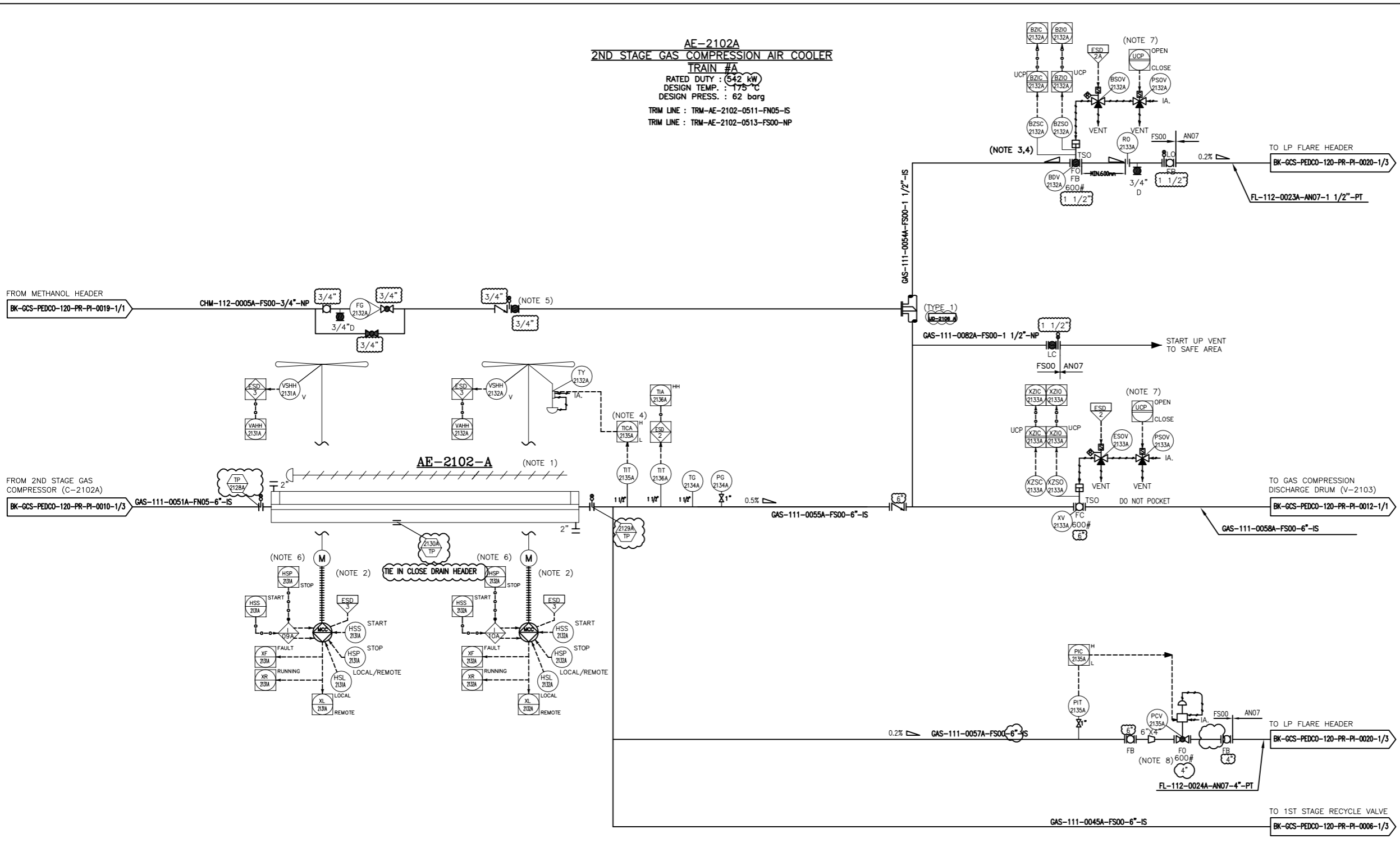
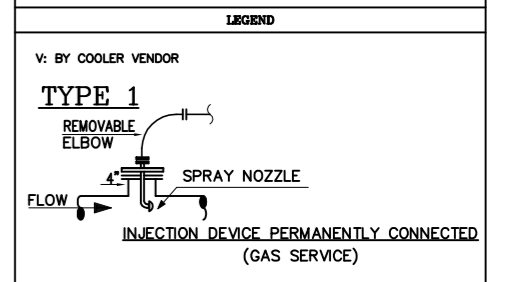


AE-2102A
2ND STAGE GAS COMPRESSION AIR COOLER
TRAIN #A

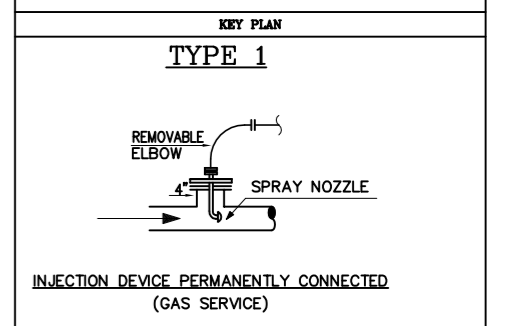
RATED DUTY : 542 kW
 DESIGN TEMP. : 175 °C
 DESIGN PRESS. : 62 barg
 TRIM LINE : TRM-AE-2102-0511-FN05-IS
 TRIM LINE : TRM-AE-2102-0513-FS00-NP



- 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.
 - 10- ALL DRAIN LINE SHALL BE CONNECTED TO CLOSED DRAIN HEADER.



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



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D08	MAR.2024	APC	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI
D07	SEP.2023	APC	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI
D06	APR.2023	IPA	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI
D05	DEC.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI
D04	AUG.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI
D03	JUN.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI
D02	MAR.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI
D01	JAN.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI
D00	SEP.2021	IPC	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI

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: PAID - 2nd STAGE GAS COMPRESSION AIR COOLERS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
NS	AS	BK-GCS-PEDCO-120-PR-PI-0011	1 OF 3	D08	053-073-0184	F	2	A	706789	1 OF 3	D08

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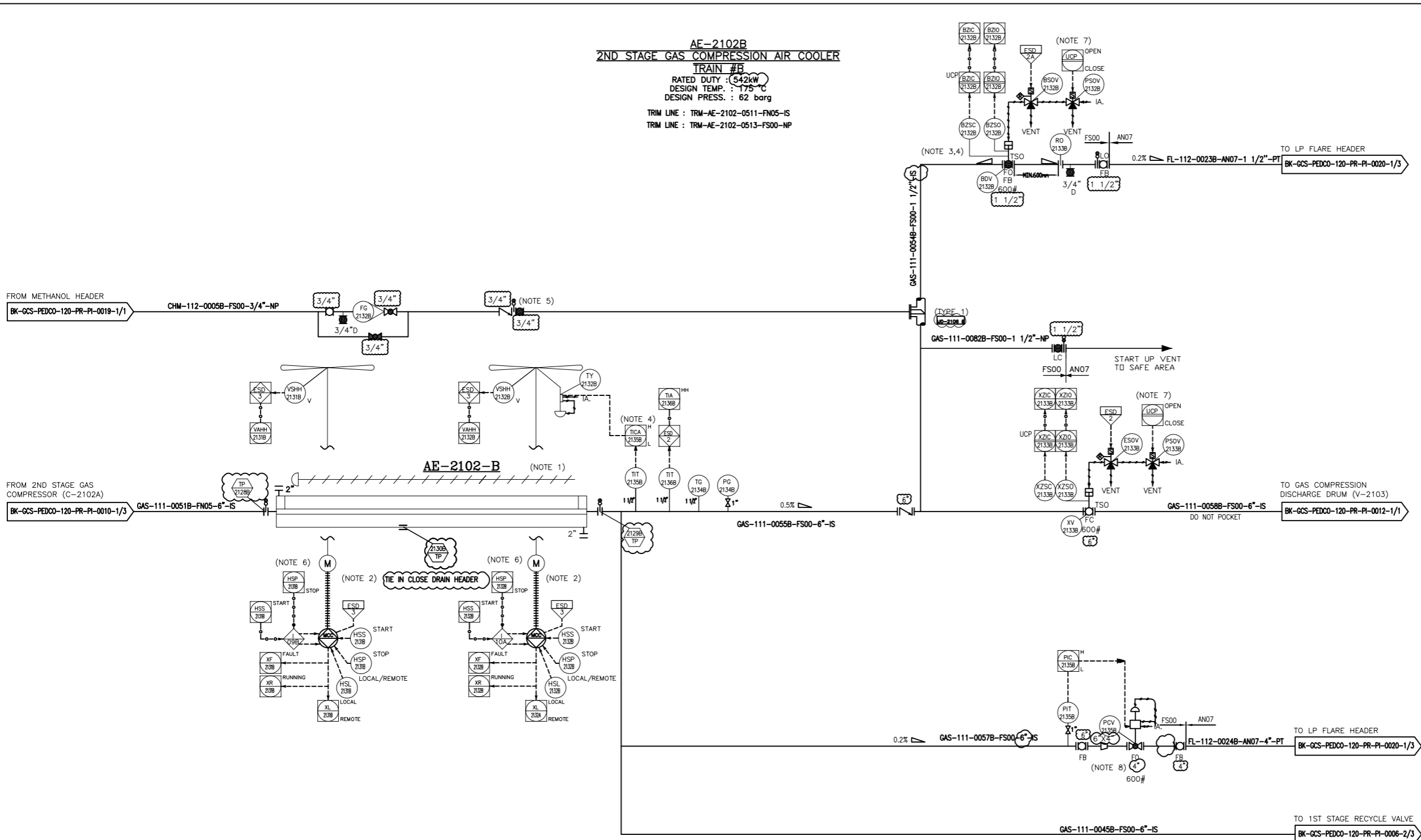
BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

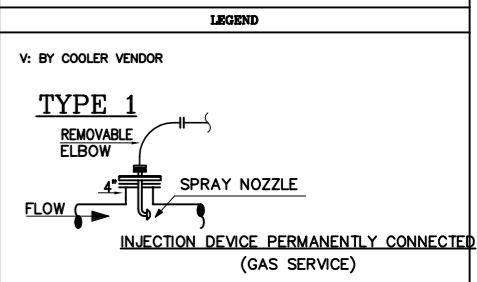
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

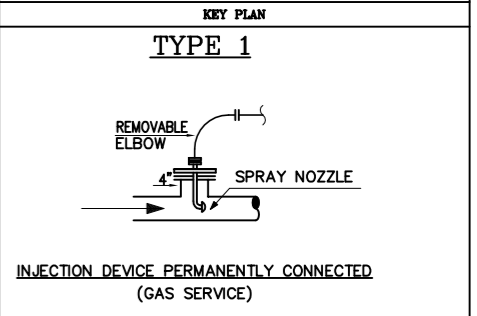
AE-2102B
2ND STAGE GAS COMPRESSION AIR COOLER
TRAIN #B
 RATED DUTY : 542kW
 DESIGN TEMP. : 175 °C
 DESIGN PRESS. : 62 barg
 TRIM LINE : TRM-AE-2102-0511-FN05-IS
 TRIM LINE : TRM-AE-2102-0513-FS00-NP



- 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.
 - 10- ALL DRAIN LINE SHALL BE CONNECTED TO CLOSED DRAIN HEADER.



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



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D08	MAR.2024	APC	M.ARYAPAR	M.PAKHSHAN	M.PAKHSHAN	M.MOHSSENI
D07	SEP.2023	APC	M.ARYAPAR	M.PAKHSHAN	M.MOHSSENI	M.MOHSSENI
D06	APR.2023	IPA	M.ARYAPAR	M.PAKHSHAN	M.MOHSSENI	M.MOHSSENI
D05	DEC.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.MOHSSENI	M.MOHSSENI
D04	AUG.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.MOHSSENI	M.MOHSSENI
D03	JUN.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.MOHSSENI	M.MOHSSENI
D02	MAR.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.MOHSSENI	M.MOHSSENI
D01	JAN.2022	IPA	M.ARYAPAR	M.PAKHSHAN	M.MOHSSENI	M.MOHSSENI
D00	SEP.2021	IPC	M.ARYAPAR	M.PAKHSHAN	M.MOHSSENI	M.MOHSSENI

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: PAID - 2nd STAGE GAS COMPRESSION AIR COOLERS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
NS	AS	BK-GCS-PEDCO-120-PR-PI-0011	2 OF 3	D08	053-073-0184	F	2	A	706789	2 OF 3	D08

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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION

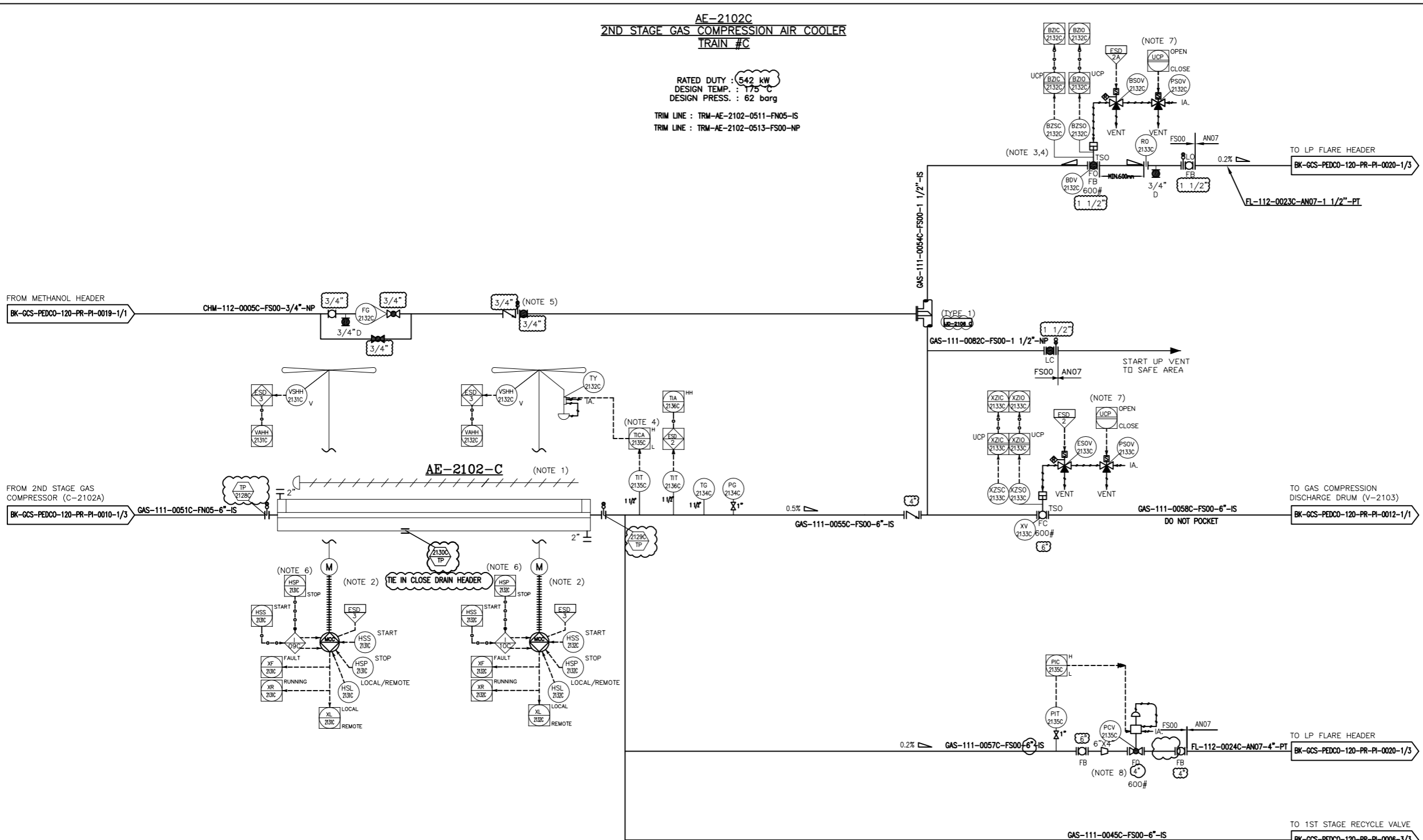
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

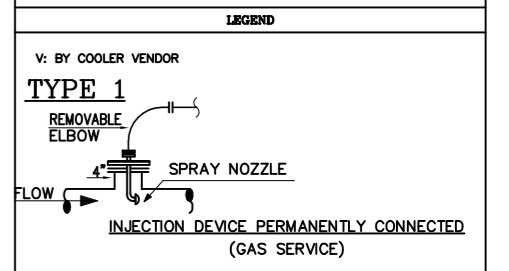
APPROVED FOR CONSTRUCTION	BY:	DATE:

AF-2102C
2ND STAGE GAS COMPRESSION AIR COOLER
TRAIN #C

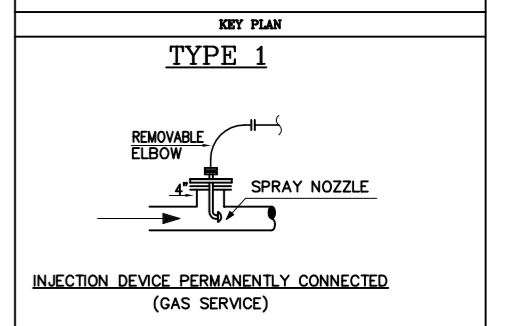
RATED DUTY : 542 kW
 DESIGN TEMP. : 175 °C
 DESIGN PRESS. : 62 barg
 TRIM LINE : TRM-AE-2102-0511-FN05-IS
 TRIM LINE : TRM-AE-2102-0513-FS00-NP



- NOTES**
- 1- MANUAL LOUVER CONTROL.
 - 2- HALF OF FANS SHALL BE EQUIPPED WITH VARIABLE PITCH AUTOMATIC SYSTEM TO CONTROL FLUID OUTLET TEMPERATURE.
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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



NO.	DATE	BY	CHK.	APP.	AUT.
D08	MAR.2024	APC	M.ARYAPAR	M.PAKHSHAN	M.PANAMARPOUR
D07	SEP.2023	APC	M.ARYAPAR	M.PAKHSHAN	A.M.MOHSSENI
D06	APR.2023	IFA	M.ARYAPAR	M.PAKHSHAN	M.MEHRSHAD
D05	DEC.2022	IFA	M.ARYAPAR	M.PAKHSHAN	M.MEHRSHAD
D04	AUG.2022	IFA	M.ARYAPAR	M.PAKHSHAN	M.MEHRSHAD
D03	JUN.2022	IFA	M.ARYAPAR	M.PAKHSHAN	M.MEHRSHAD
D02	MAR.2022	IFA	M.ARYAPAR	M.PAKHSHAN	M.MEHRSHAD
D01	JAN.2022	IFA	M.ARYAPAR	M.PAKHSHAN	M.MEHRSHAD
D00	SEP.2021	IPC	M.ARYAPAR	M.PAKHSHAN	M.MEHRSHAD

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

DATE: _____ SCALE: _____ DRAWING BY: _____ CHECKED BY: _____ PROJECT ENG.:

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-0184	F	2	A	706789	3 OF 3	D08

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