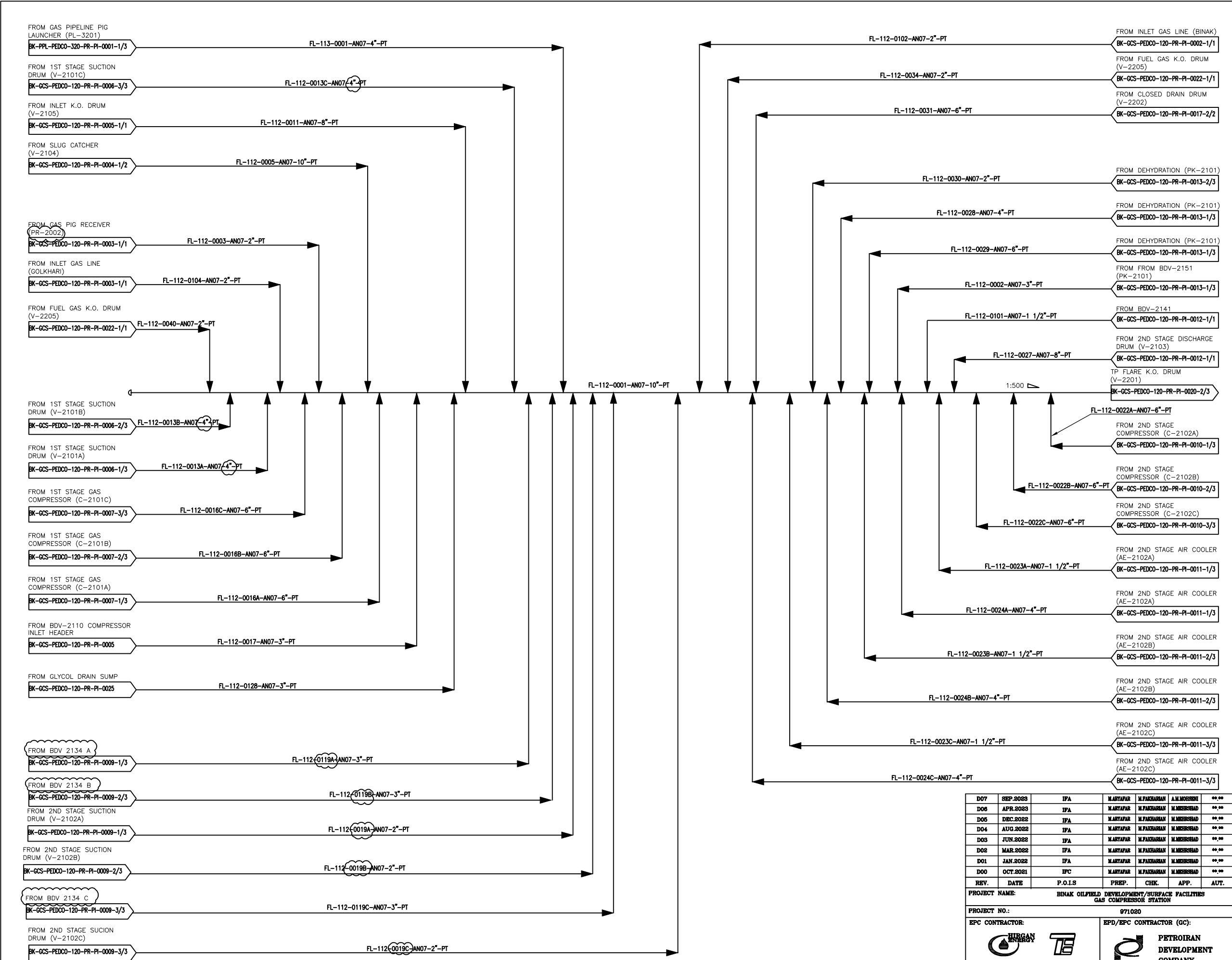




NOTES

1- ALL FLARE LINES SHALL BE SELF DRAINING WITH NO POCKET
FLARE SUB-HEADERS SHALL BE CONNECTED TO HEADER FROM TOP.
2- CHECK COVERAGE OF CCTV AND IF REQUIRED CONSIDER CCTV
FOR FLARE MONITORING IN CONTROL ROOM.
3- DEFINE IN OPERATING MANUAL THAT OPERATOR SHOULD ENSURE
THAT ALWAYS ONE DISCHARGE ROUTE OF P-2201A/B IS OPEN.

GENERAL NOTE

LEGEND

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

KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE	
D07	SEP.2023	IPA	MARYAPAR	M.PAKHMAN	A.M.MOHEBBI	00.00
D06	APR.2023	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D05	DEC.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D04	AUG.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D03	JUN.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D02	MAR.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D01	JAN.2022	IPA	MARYAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D00	OCT.2021	IPC	MARYAPAR	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

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

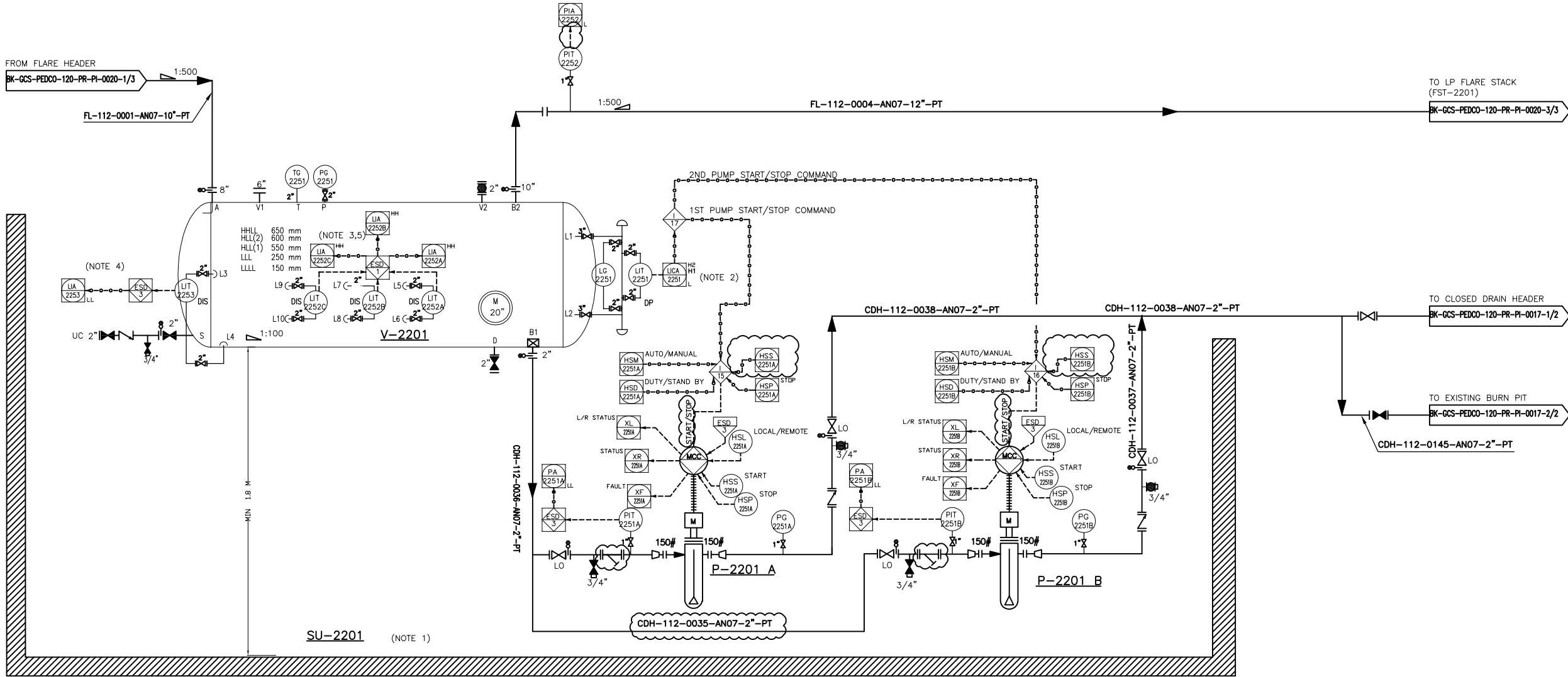
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APPROVED FOR CONSTRUCTION		BY:	DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-0184	F	2	A	706798	1 OF 3	D07

V-2201
LP FLARE K.O. DRUM
DIMENSION (ID X TL-TL) : 1000 X 3000 mm
DESIGN TEMP. : 85 °C
DESIGN PRESS. : FV/6 barg
TRIM LINE : TRM-V-2201-0504-AN07-PT

SU-2201
LP FLARE K.O. DRUM AND CLOSED DRAIN
DRUM SUMP



P-2201 A/B
LP FLARE K.O. DRUM PUMP
RATED CAPACITY : 2.2 m³/hr
DIFFERENTIAL PRESS. : 1.5 bar
TRIM LINE : TRM-P-2201-0504-AN07-PT

- NOTES
- 1- FLARE K.O. DRUM, CLOSED DRAIN DRUM, GLYCOL SUMP DRUM AND RELATED PUMPS ARE IN COMMON PIT.
 - 2- AT LEVEL H1, DUTY PUMP TO BE STARTED. AT LEVEL H2, STAND-BY PUMP TO BE STARTED.
 - 3- HIGH HIGH LIQUID LEVEL INITIATES PLANT TOTAL SHUT-DOWN.
 - 4- LIT (LOW LOW LEVEL TRANSMITTER LT-2253 IN THE FLARE DRUM) WILL STOP THE PUMPS.
 - 5- VOTING 2 OF 3.
 - 6- CHECK COVERAGE OF CCTV AND IF REQUIRED CONSIDER CCTV FOR FLARE MONITORING IN CONTROL ROOM.
 - 7- DEFINE IN OPERATING MANUAL THAT OPERATOR SHOULD ENSURE THAT ALWAYS ONE DISCHARGE ROUTE OF P-2201A/B IS OPEN.
 - 8- PARTIAL STROKE DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESD 1,0.

GENERAL NOTE

LEGEND

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

KEY PLAN

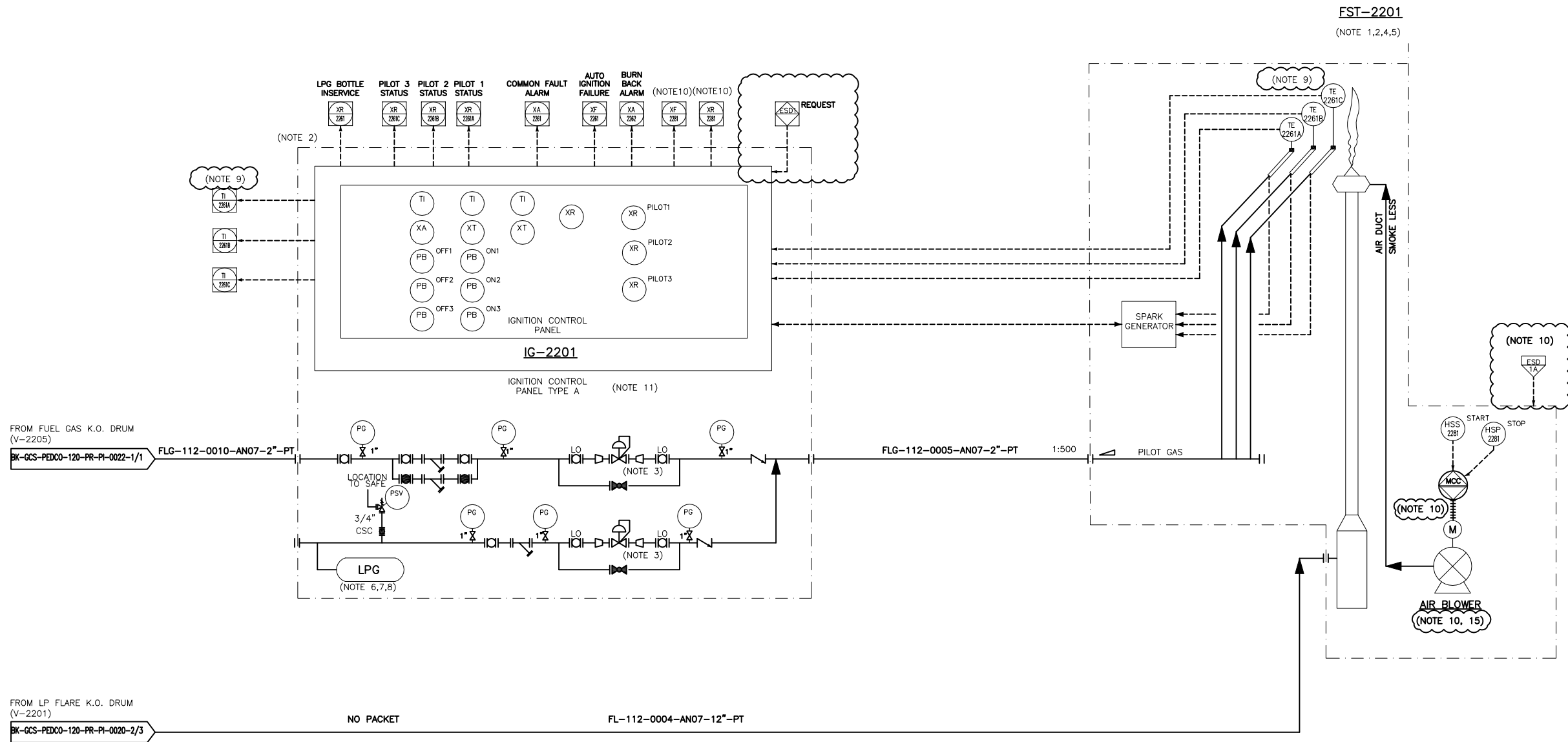
D07	SEP.2023	IPA	M.ARTAPAR	M.PAKHMAN	A.M.MOHEBBI	00.00
D06	APR.2023	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D05	DEC.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D04	AUG.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D03	JUN.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D02	MAR.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D01	JAN.2022	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
D00	OCT.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	
SCALE	SIZE	DRAWING NO.	SHEET NO.
NS	AS	BK-GCS-PEDCO-120-PR-PI-0020	2 OF 3

BY: DATE: 706798 2 OF 3 D07					
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APPROVED FOR CONSTRUCTION					
DATE: 706798 2 OF 3 D07					
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IG-2201
LP FLARE IGNITION PACKAGE

FST-2201
LP FLARE STACK
FLARE STACK HEIGHT : 22.5 M
FLARE STACK SIZE : 12 INCH



- NOTES
- 1- FLARE PACKAGE SHALL INCLUDE (AT LEAST):
 - FLARE STACK
 - FLARE TIP & SEAL
 - PILOT & IGNITION SYSTEM
 - LPG BOTTLES
 - 2- IGNITION PANEL SHALL BE INSTALLED OUTSIDE FLARE RADIATION ZONE.
 - 3- SET PRESSURE TO BE ADVISED BY FLARE TIP VENDOR.
 - 4- THREE PILOT AND IGNITION LINES (ONE PER PILOT) PRESENTED FOR THE FLARE TIP TO BE CONFIRMED BY VENDOR.
 - 5- HIGH ENERGY IGNITION TYPE WITH AUTO REIGNITION CAPABILITY SHALL BE CONSIDERED FOR FLARE PACKAGE (BY VENDOR).
 - 6- PILOT GAS BACK-UP BY LPG BOTTLES. NUMBER OF BOTTLES AND DETAILS TO BE FINALIZED BY VENDOR.
 - 7- THE LPG BOTTLE REQUIRED FOR (24 HOUR) BACK-UP AND NUMBER OF BOTTLES SHALL BE SPECIFIED AND SUPPLIED BY VENDOR.
 - 8- THE LPG BOTTLE CONNECTION POINT SHALL BE CLOSEST AS POSSIBLE TO DISTRIBUTION POINT.
 - 9- PILOT FLAME STATUS TO BE PROVIDED BY FLAME PACKAGE IN CONTROL ROOM. VENDOR TO PROVIDE DUPLEX THERMOCOUPLES ON BURN-BACK LINE.
 - 10- LOCAL MCC (MOTOR CONTROL CENTER) OR PDP (POWER DISTRIBUTION PANEL) IS IN VENDOR SCOPE OF WORK. ALL REQUIRED SIGNALS TO BE TRANSFERRED TO PACKAGE LCP.
 - 11- SIGNAL WILL BE FINALIZED BY VENDOR. (IG PACKAGE LCP WILL BE LOCATED IN SAFE AREA)
 - 12- CHECK COVERAGE OF CCTV AND IF REQUIRED CONSIDER CCTV FOR FLARE MONITORING IN CONTROL ROOM.
 - 13- DEFINE IN OPERATING MANUAL THAT OPERATOR SHOULD ENSURE THAT ALWAYS ONE DISCHARGE ROUTE OF P-2201A/B IS OPEN.
 - 14- PARTIAL STROKE DEVICE TO BE CONSIDERED FOR ALL ESD'S ACTIVATED BY ESD 1A.
 - 15- AIR BLOWER SHALL START IN CASE OF ESD 1A.

GENERAL NOTE

LEGEND

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

KEY PLAN

D07	SEP.2023	IPA	M.ARTAPAR	M.PAKHMAN	A.M.MOHEB	00.00
D06	APR.2023	IPA	M.ARTAPAR	M.PAKHMAN	M.MEHRSHAD	00.00
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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 - LP FLARE SYSTEM

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	AS	BK-GCS-PEDCO-120-PR-PI-0020	3 OF 3	D07

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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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