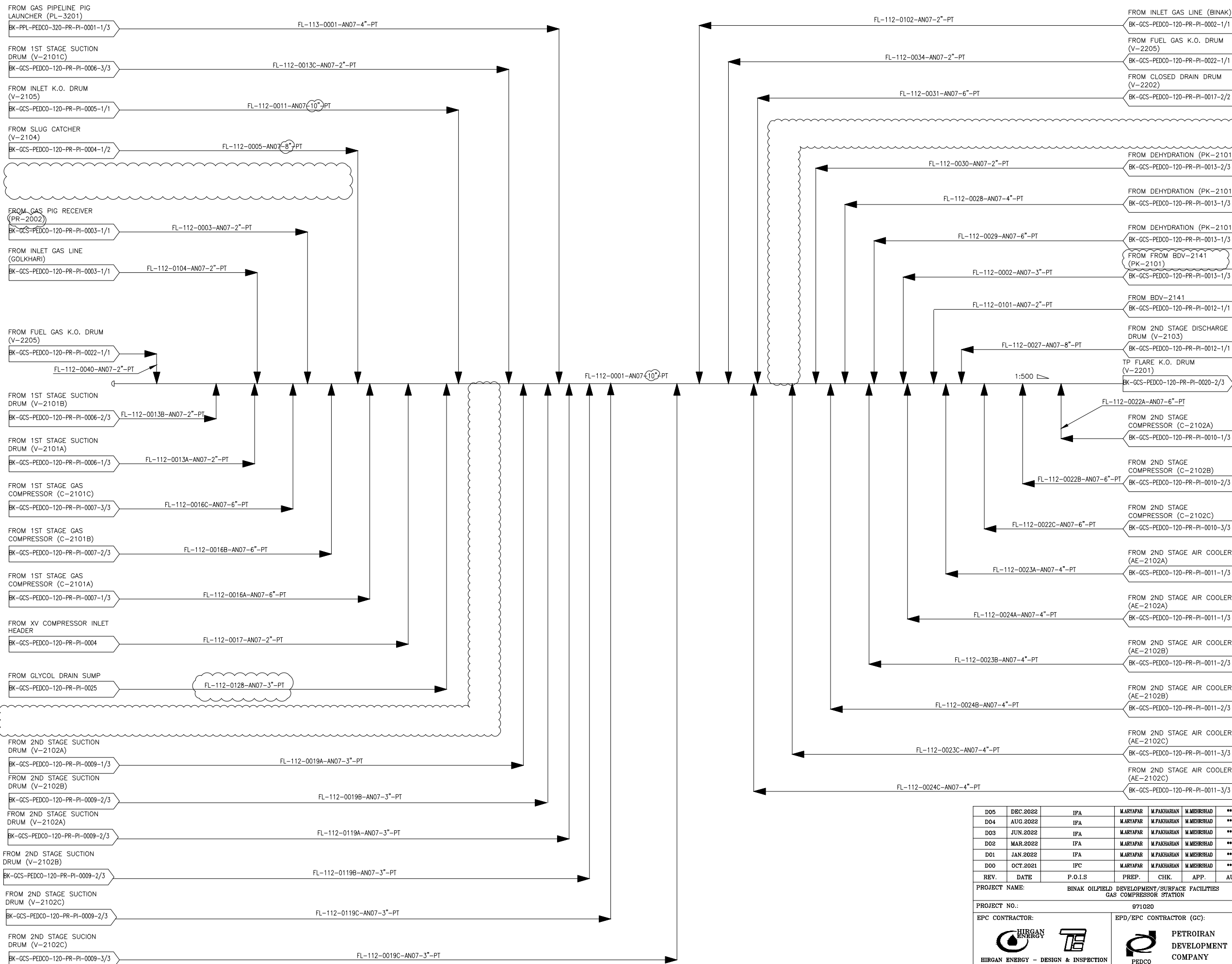




NOTES

- 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-UF-0001
Symbol & Legend For PFD & P&ID	BK-GCS-PEDCO-120-PR-PI-0001

KEY PLAN

[illegible]

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

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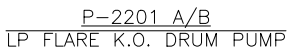
EPC CONTRACTOR:   HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES	EPD/EPC CONTRACTOR (GC):  PETROIRAN DEVELOPMENT COMPANY	BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION				
		DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG

DRAWING TITLE: P&ID - LP FLARE SYSTEM					NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							
					APPROVED FOR CONSTRUCTION				BY:		DATE:	
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
NS	A3	BK-GCS-PEDCO-120-PR-P1-0020		1 OF 3	D05	053-073-9184	F	2	A	708798	1 OF 3	D05

(VENDOR TITLE BLOCK)*

DIMENSION (ID X TL-TL) : 1000 X 3000 mm
DESIGN TEMP. : 85 °C
DESIGN PRESS. : FV/7.5 barg

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



RATED CAPACITY : 2.2 m³/hr
DIFFERENTIAL PRESS. : 1.5 bar

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, SHUT-DOWN BY PUMP TO BE STARTED.
- 3- HIGH HIGH LIQUID LEVEL INITIATES PLANT TOTAL SHUT-DOWN.
- 4- LIT (LOW LOW LEVEL TRANSMITTER LT- 2253IN 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 STROK DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESD 1.0.

GENERAL NOTE

LEGEND

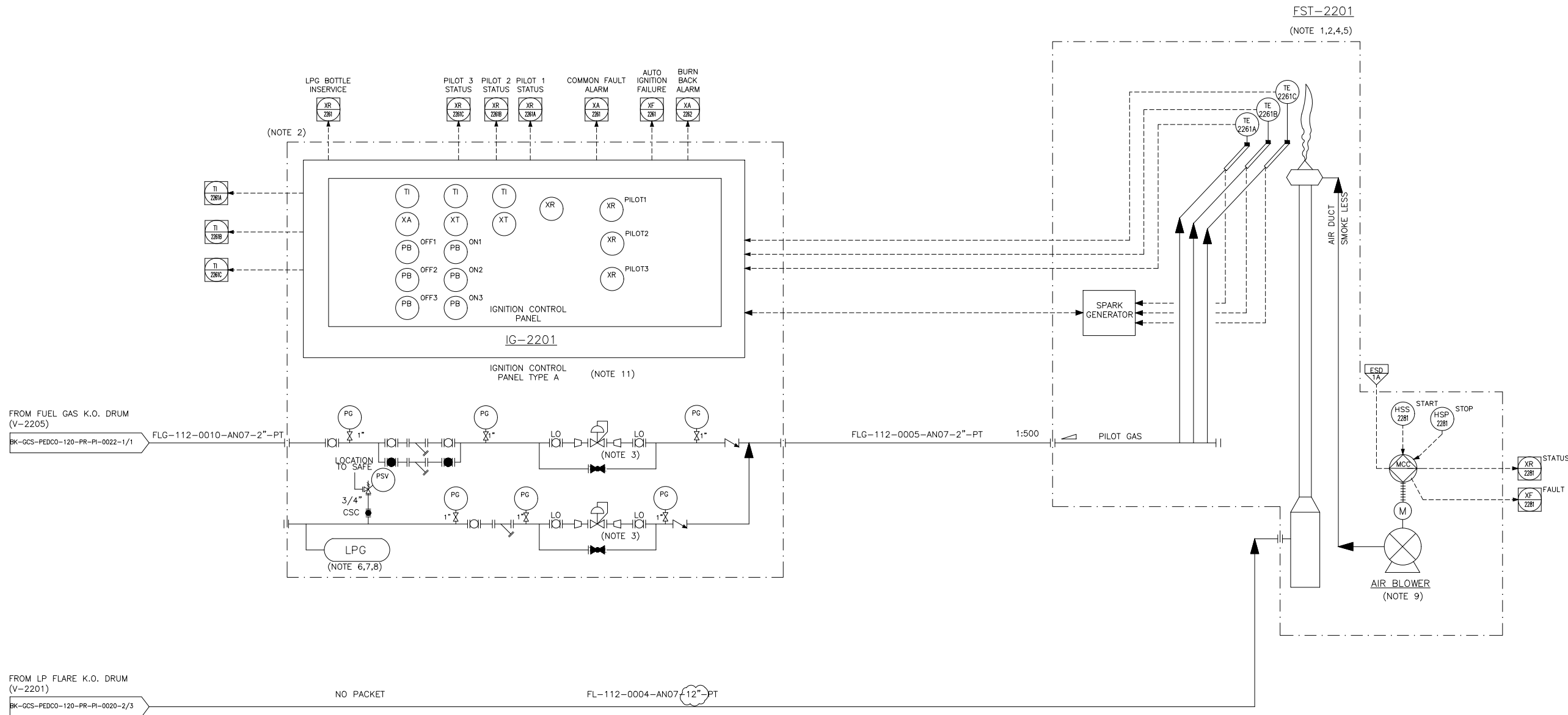
REFERENCE DRAWING	DRG. No.
Utility Flow Diagram	BK-GCS-PEDCO-120-PR-UF-0001
Symbol & Legend For PFD & P&ID	BK-GCS-PEDCO-120-PR-PI-0001

KEY PLAN

[illegible]

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 12 HOUR BACK-UP AND NUMBER OF BOTTLES SHALL BE SPECIFIED AND SUPPLIED BY VENDOR.
 - 8- THE LPG BOTTLE CONNECTION POINT SHALL BE CLOSET 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.
 - 11- SIGNAL WILL BE FINALIZED BY VENDOR.
 - 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.
 - 13-PARTIAL STROK DEVICE TO BE CONSIDERED FOR ALL ESDV'S ACTIVATED BY ESDV 1.0.

GENERAL NOTE

LEGEND

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

KEY PLAN

D05	DEC.2022	IPA	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	** **						
D04	AUG.2022	IPA	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	** **						
D03	JUN.2022	IPA	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	** **						
D02	MAR.2022	IPA	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	** **						
D01	JAN.2022	IPA	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	** **						
D00	OCT.2021	IPC	M.ARYAPAR	M.PAKHARIAN	M.MEHRSHAD	** **						
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE	
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION							THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS					
PROJECT NO.: 971020							BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION					
EPC CONTRACTOR: HIRGAN ENERGY							EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY					
DRAWING TITLE: P&ID - LP FLARE SYSTEM							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
SCALE: NS SIZE: A3 DRAWING NO: BK-GCS-PEDCO-120-PR-PI-0020 SHEET NO: 3 OF 3 D05							APPROVED FOR CONSTRUCTION BY: DATE: 053-073-9184					
							BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION					
							F 2 A 708798 3 OF 3 D05					