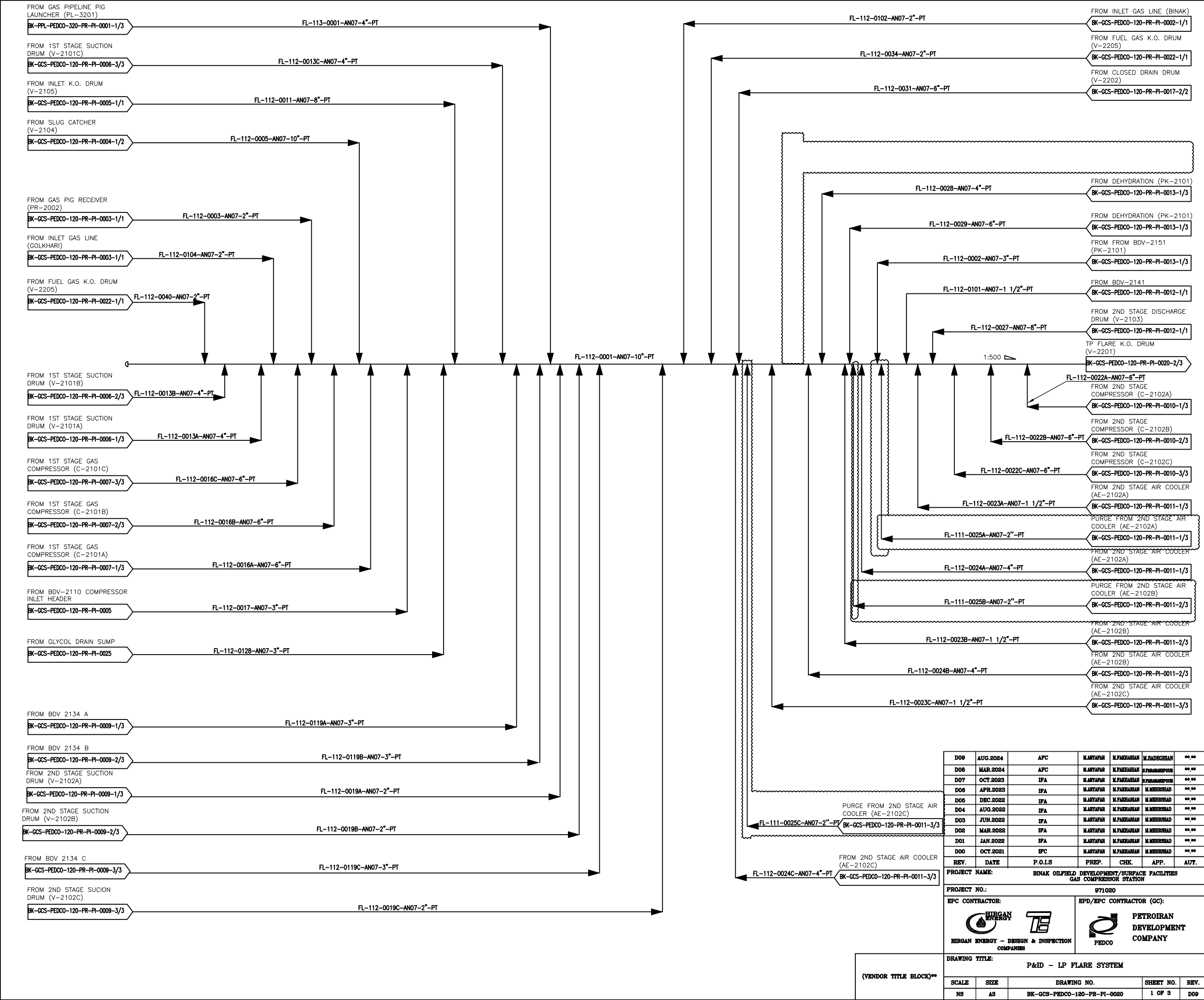




NOTES

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

D09	AUG.2024	APC	M.ARTAPAR	M.PAKHARIAN	M.SADEGHIAN	00.00
D08	MAR.2024	APC	M.ARTAPAR	M.PAKHARIAN	S.PARHAMPOOR	00.00
D07	OCT.2023	IPA	M.ARTAPAR	M.PAKHARIAN	S.PARHAMPOOR	00.00
D06	APR.2023	IPA	M.ARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D05	DEC.2022	IPA	M.ARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D04	AUG.2022	IPA	M.ARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D03	JUN.2022	IPA	M.ARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D02	MAR.2022	IPA	M.ARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D01	JAN.2022	IPA	M.ARTAPAR	M.PAKHARIAN	M.MEHRSHAD	00.00
D00	OCT.2021	IPC	M.ARTAPAR	M.PAKHARIAN	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:   HURGAN ENERGY - DESIGN & INSPECTION COMPANIES			EPD/EPC CONTRACTOR (GC):  PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: P&ID - LP FLARE SYSTEM						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	
NS	A3	BK-GCS-PEDCO-120-PR-PI-0020		1 OF 3	D09	DSS-073-9184

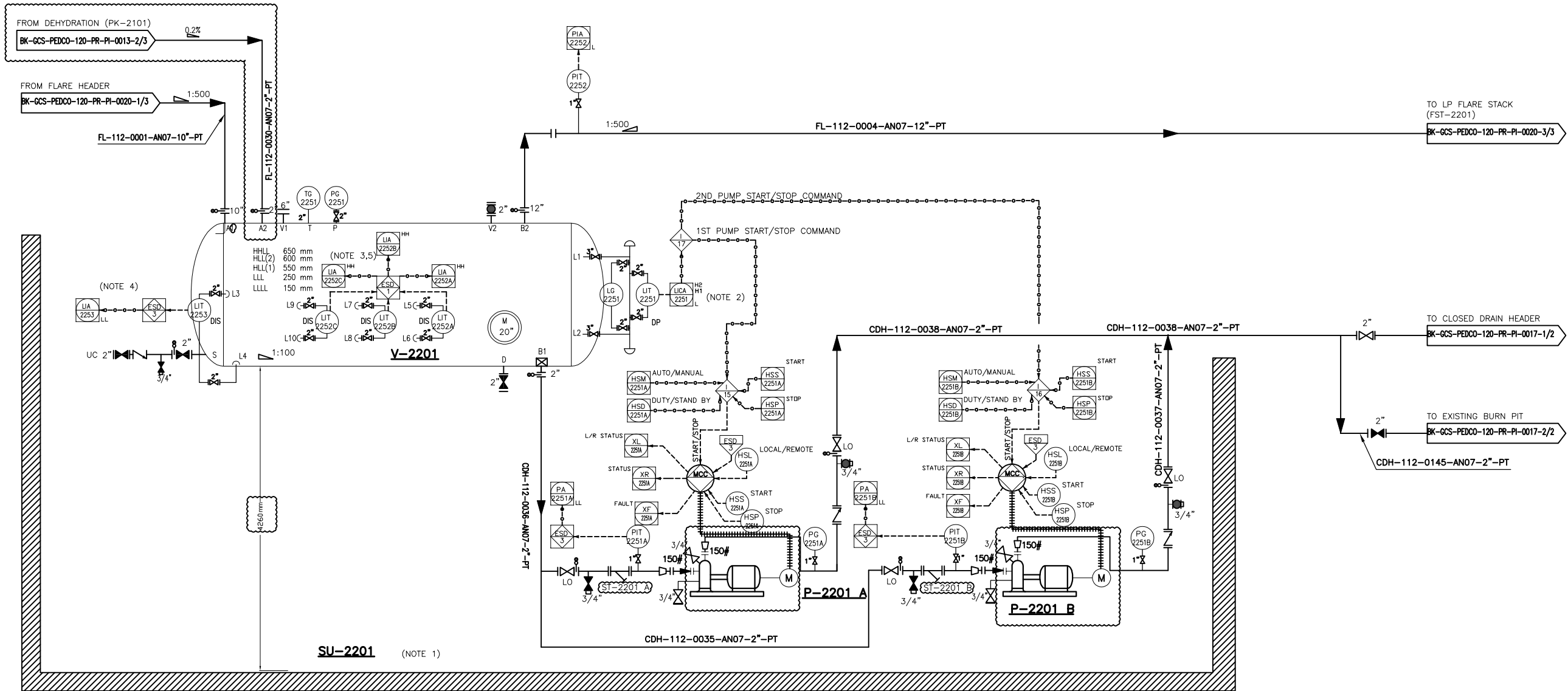
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APPROVED FOR CONSTRUCTION		BY:	DATE:	
BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET REVISION
DSS-073-9184	F	2	A	708798 1 OF 3 D09

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
DIMENSION (W X L X D) : 12500 X 16800 X 7150 mm



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.
- 9- ALL DRAIN LINES SHALL BE CONNECTED TO CLOSED DRAIN HEADER AND ALL VENT LINES SHALL BE CONNECTED TO FLARE HEADER.

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

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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):
 HURGAN ENERGY - DESIGN & INSPECTION COMPANIES	 PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: P&ID - LP FLARE SYSTEM

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
NS	A3	BK-GCS-PEDCO-120-PR-PI-0020	2 OF 3	D09

امثل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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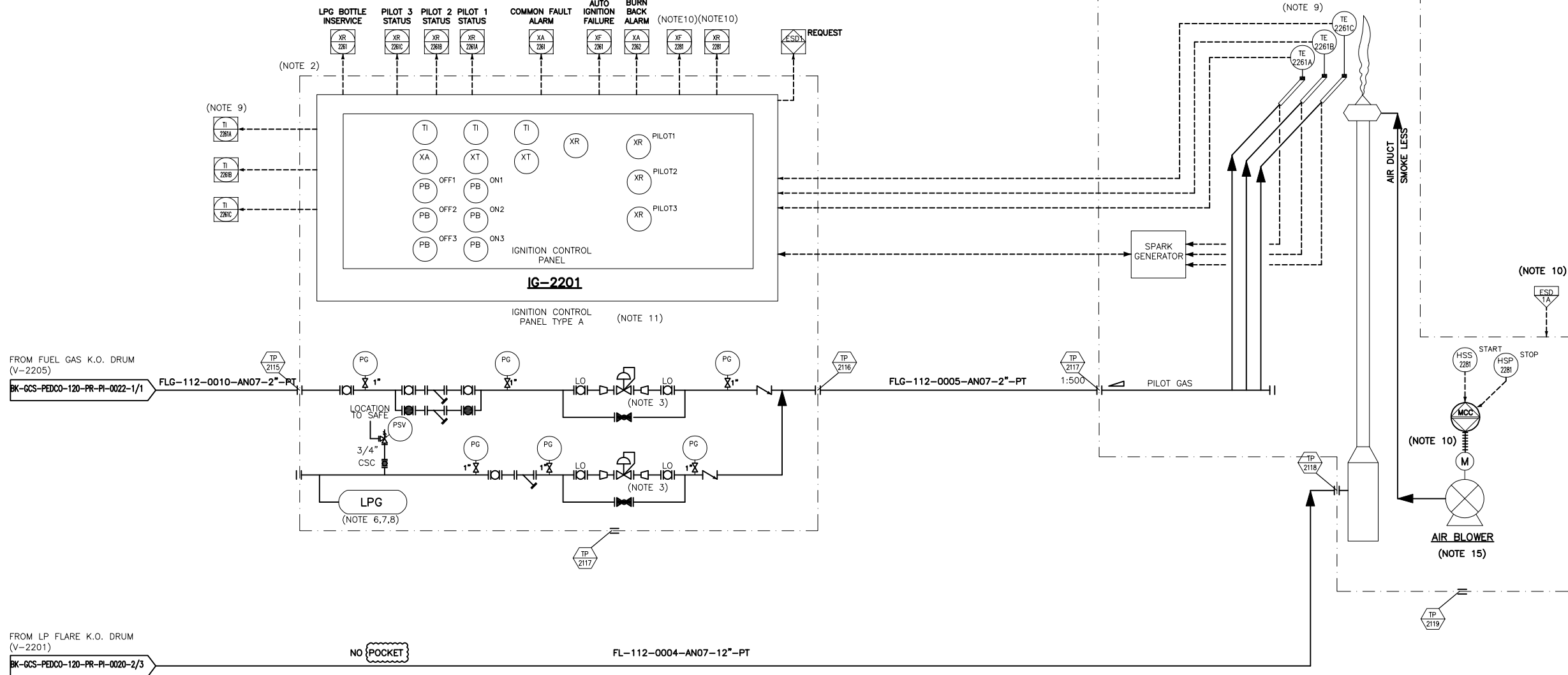
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53-073-9184	F	2	A	708798	2 OF 3	D09

IG-2201
LP FLARE IGNITION PACKAGE

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

FST-2201

(NOTE 1,2,4,5)



- 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 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. 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 ESDV'S ACTIVATED BY ESD 1,0.
 - 15- TWO BLOWERS (1+1), WITH TWO VFD IS CONSIDERED FOR NORMAL AND EMERGENCY FLARING, THE NECESSITY AND NUMBER OF REQUIRED VFD MOTORS WILL BE FINALIZED AFTER RECEIVING VENDOR DATA.
 - 16- ALL DRAIN LINES SHALL BE CONNECTED TO CLOSED DRAIN HEADER AND ALL VENT LINES SHALL BE CONNECTED TO FLARE HEADER.

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

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PROJECT NO.: 971020						
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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION					
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BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION
NS	A3	BK-GCS-PEDCO-120-PR-PI-0020	3 OF 3	D09	053-073-9184