

NOTES

1. THE UPS SHALL GENERATE AN ALARM BEFORE POWER LOSS TO NOTIFY OPERATOR. THE OPERATOR SHALL TAKE NECESSARY ACTIONS BEFORE LOOSING THE SAFETY SYSTEM FOR SAFE SHUTDOWN AND BLOWDOWN OF PLANT.
2. BLOWDOWN COMMAND SHALL BE GENERATED AFTER PRE-DEFINED TIME (ACCORDING TO ESD PHILOSOPHY) OR IN CASE OF RECEIVING RELATED ESDs CLOSED STATUS SIGNAL.
3. TO BE CONSIDERED IN F&G CAUSE & EFFECT.
4. ALL ELECTRICAL SOURCES EXCEPT ESSENTIAL POWER SOURCES SHALL BE ISOLATED
5. KEY PROTECTED PUSHBUTTONS SHALL BE PROVIDED FOR BLOWDOWN OF EACH TRAIN BY RECEIVING THE PERMISSION FROM ESD SYSTEM. THE KEY SHALL ACTIVATE STAGE BLOWDOWN VALVES INCLUDING THE TRAINS.
6. FOR DETAILS OF ESD 3 CAUSES AND EFFECTS, REFER TO CAUSE & EFFECT DIAGRAM.
7. ADJUSTABLE DELAY.
8. LEVEL 0 ESD FROM EXISTING ESD SYSTEM SHALL GENERATE AN ALARM AND SHALL NOT HAD ANY EFFECT IN THIS ESD SYSTEM, BECAUSE THE NEW AND EXISTING PARTS ARE SEPARATE AND HAVE ISOLATE INPUT AND OUTPUT LINES.

LEGEND

- I.A. Instrument Air
P/A/GA Public Address/General Alarm
K.O. Knock-out Drum
H.H. High High
L.H. Low Low
L.L. Low Low
ESDV Emergency Shutdown Valve
BDV Blow-Down Valve

REFERENCE DRAWING

*****	DRG. No.
*****	*****
*****	*****

KEY PLAN

اسم و کلمه سنج این سند و حق انطباق مطابق با ترک های ملی مطابق کتاب غیر حقوق محفوظ					
REV.	DESCRIPTION	CHECKED		REV. APPRO.	
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3. TO BE CONSIDERED IN F&G CAUSE & EFFECT:
4. ALL ELECTRICAL SOURCES EXCEPT ESSENTIAL POWER SOURCES SHALL BE ISOLATED
5. KEY PROTECTED PUSHBUTTONS SHALL BE PROVIDED FOR BLOWDOWN OF EACH TRAIN BY RECEIVING THE PERMISSION FROM ESD SYSTEM. THE TEAM SHALL ACTIVATE STAGE BLOWDOWN VALVES IN ACCORDING TO THE DETAILS OF ESD 3 CAUSES AND EFFECTS. REFER TO CAUSE & EFFECT DIAGRAM.
7. ADJUSTABLE DELAY.
8. ALL ESDVs SHALL BE CLOSED EXCEPT ESDVs IN FLARE
- K.O. DRUM LIQUID DISCHARGE LINE.

LEGEND

- I.A. Instrument Air
PA/GA Public Address/General Alarm
K.O. Knock-out Drum
H.H. High High
L.H. Low Low
L.S. Low Suction
ESDV Emergency Shutdown Valve
BDV Blow-Down Valve

REFERENCE DRAWING

DRG. No.

KEY PLAN

اموال و کلیه نسخ این خط و حق انحصاری حقوق به شرکت ملی مناطق نفت خیز جنوب میسر
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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:

BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION

00-55-079-0164 7 2 1 708004 07 002

REV.	DATE	PREP.	CHEK.	APP.	AUT.
DO0	MAY 2022	WJC	WJC	WJC	** **
DO1	DEC 2022	JFA	WJC	WJC	** **
DO2	JUN 2023	ATC	WJC	WJC	** **

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES
GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR: EPC CONTRACTOR (GC):

IRIRGAN PETROLIAN DEVELOPMENT COMPANY
IRIRGAN ENERGY - DESIGN & INSPECTION
COMPANIES
PDCO



IRIRGAN ENERGY - DESIGN & INSPECTION
COMPANIES

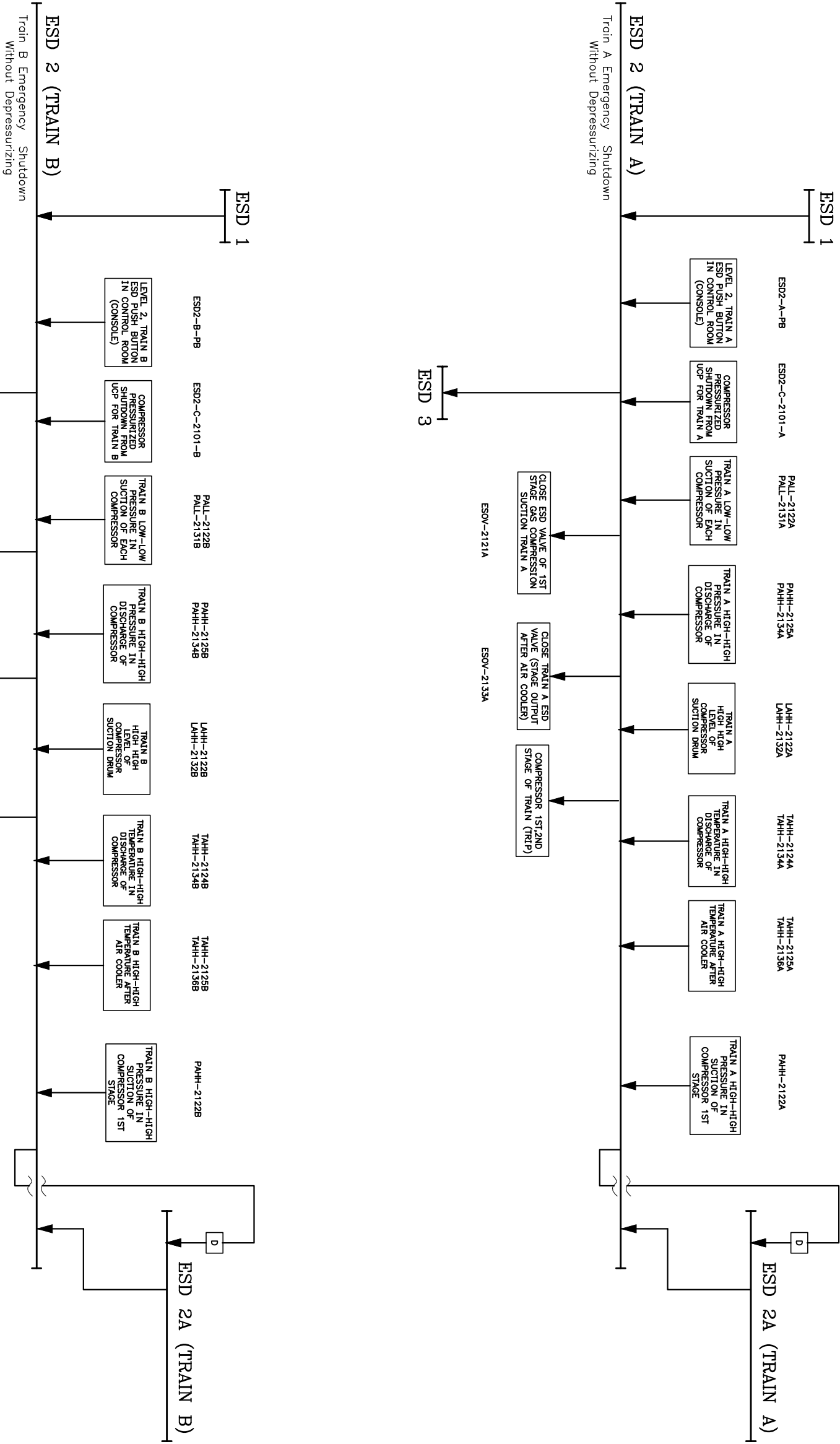
DRAWING TITLE: ESD BLOCK DIAGRAM

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
N.T.S	A3	IR-QCS-PDCO-120-PR-BD-0001	3 OF 7	002

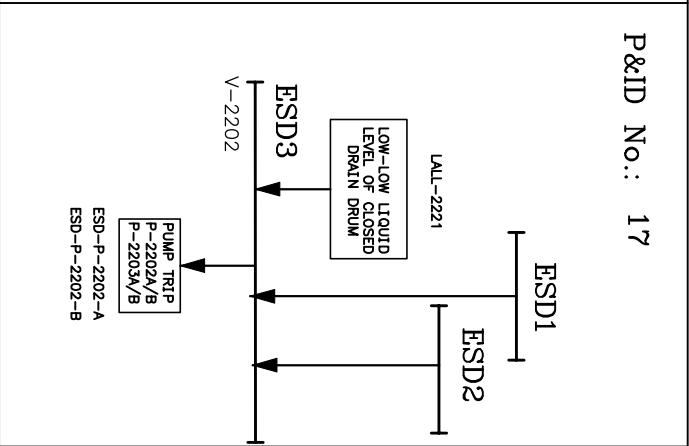
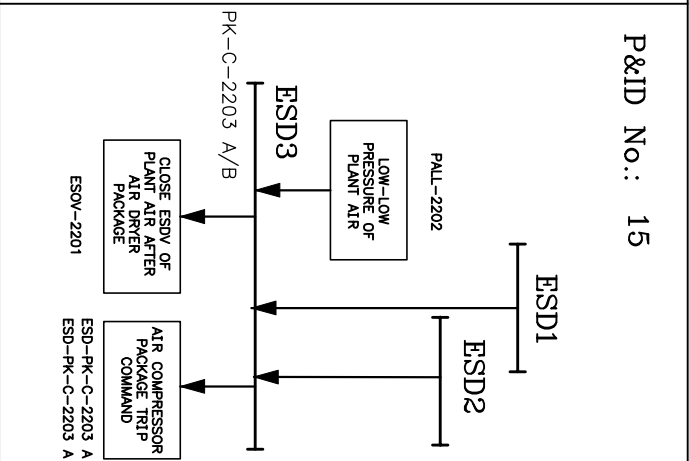
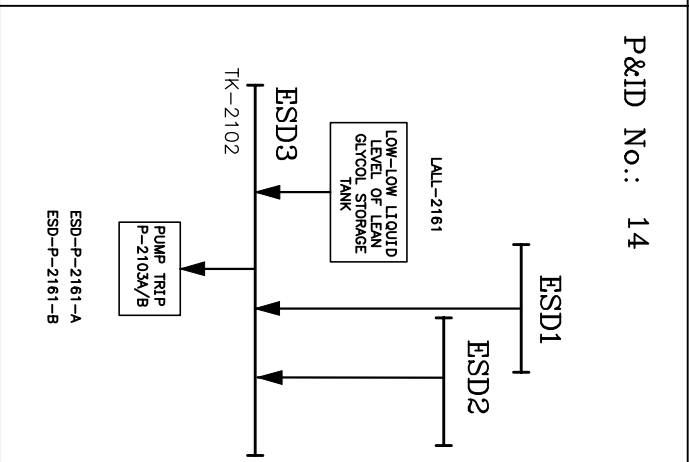
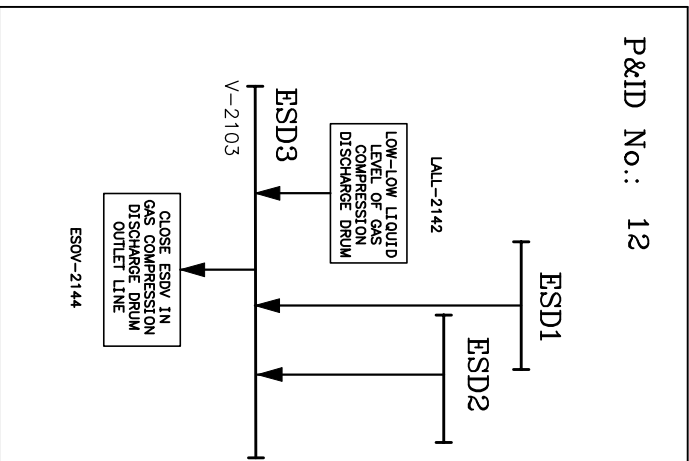
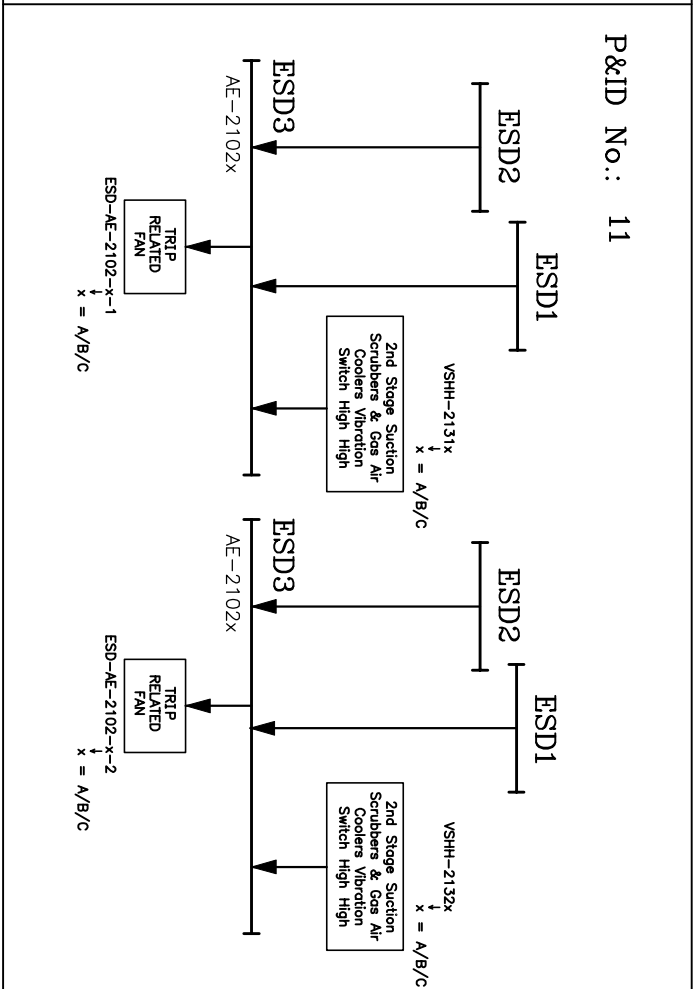
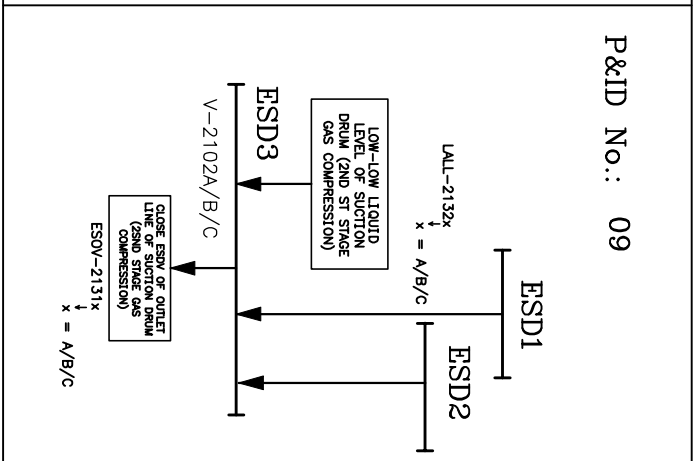
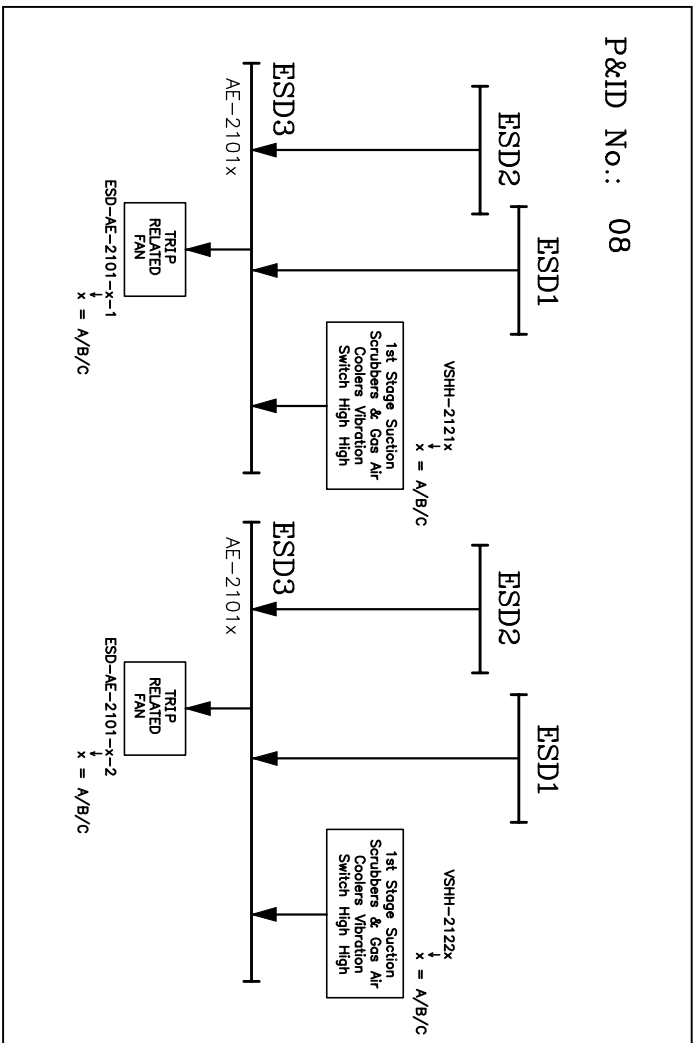
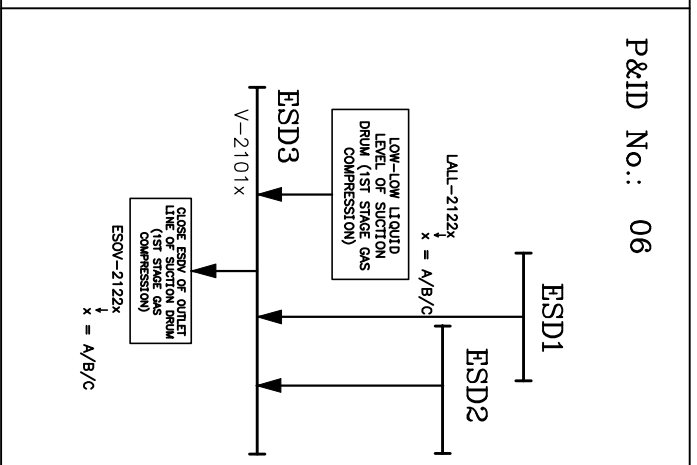
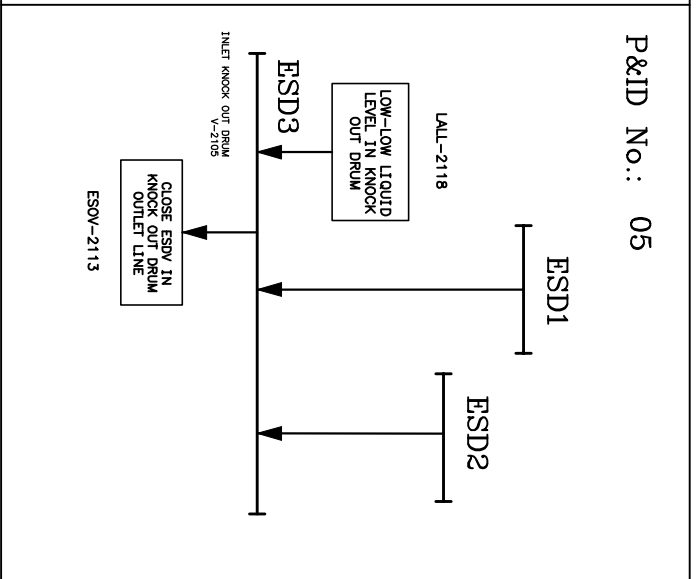
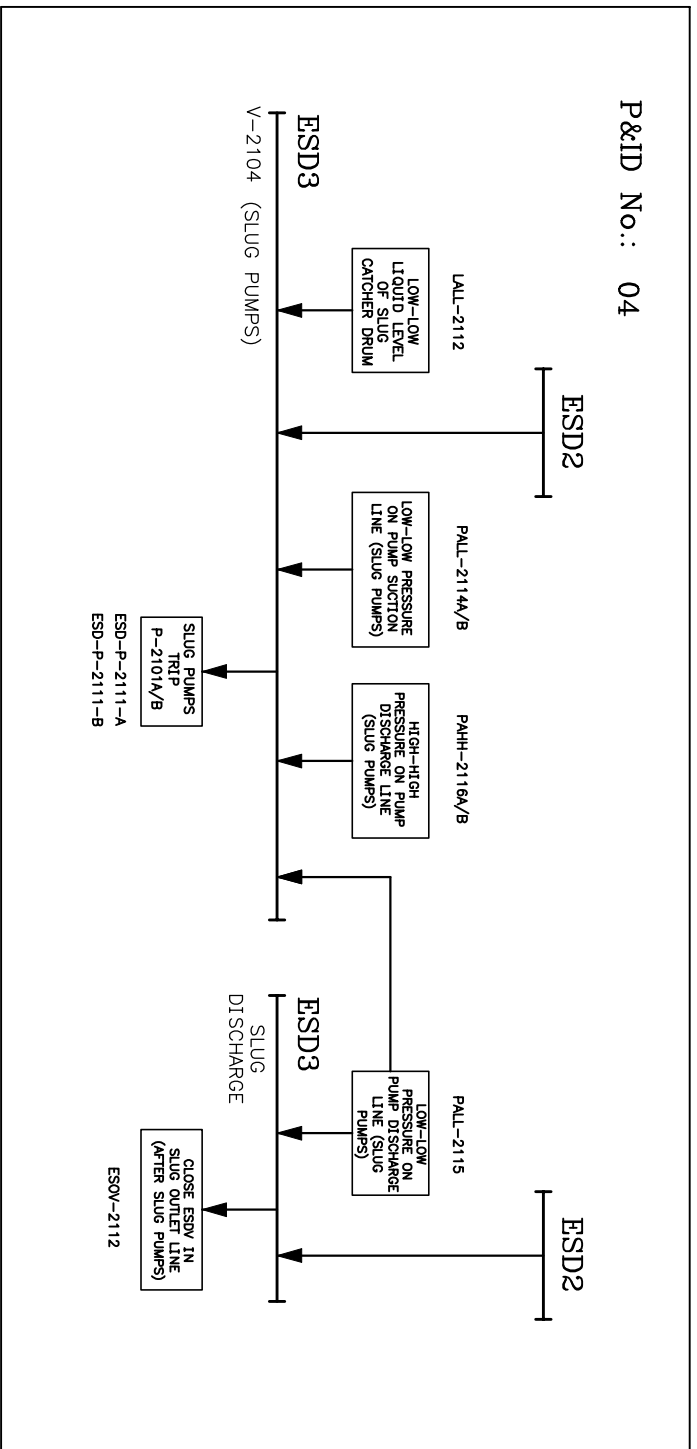
(VENDOR TITLE BLOCK)**

NOTES									
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LEGEND									
I.A. Instrument Air P.A. GA Public Address/General Alarm K.O. Knock-out Drum L.H. High High L.L. Low Low P.B. Push Button ESDV Emergency Shutdown Valve BDV Blow-Down Valve									
REFERENCE DRAWING					DRG. No.				
*****					*****				
KEY PLAN									
<p> BINAQ OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION </p> <p> NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED </p> <p> APPROVED FOR CONSTRUCTION BY: DATE: </p> <p> BUDGET REF LOCATION SIZE CLASS SERIAL NO SHEET REVISION </p> <p> 00-83-073-3184 F 2 J 708004 07 D02 </p> <p> THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREON ARE THE SOLE PROPERTY OF NISOC./ FIELDS </p>									

008	JUN.2023	APC	Myrtek	WERNER	WERNER	00.00
D01	DEC.2022	IPA	Myrtek	WERNER	WERNER	00.00
D00	MAY.2022	IPC	Myrtek	WERNER	WERNER	00.00
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME:			BINAQ OILFIELD DEVELOPMENT/SURVEILLANCE GAS COMPRESSOR STATION			
PROJECT NO.:			971020			
EPC CONTRACTOR:			BPD/BPC CONTRACTOR (GO):			
 BINAQ BINAQ ENERGY - DESIGN & INSPECTION COMPANIES			 PETROBRÁS DEVELOPMENT COMPANY			
DRAWING TITLE:			ESD BLOCK DIAGRAM			
SCALE	SIZE	DRAWING NO.		SHEET NO.		REV.
N.T.S	A3	BR-003-PRD-0-120-PR-BD-0001		4 OF 7		D02

(VENDOR TITLE BLOCK)**

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LEGEND									
1.A	Instrument Air								
P.A/GA	Public Address/General Alarm								
K.O.	Knock-out Drum								
L.H.	High High								
L.L	Low Low								
P.B.	Push Button								
ESDV	Emergency Shutdown Valve								
BDV	Blow-Down Valve								
REFERENCE DRAWING									
DRAWING NO.					DRG. No.				
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KEY PLAN									
APPROVED FOR CONSTRUCTION BUDGET REF LOCATION SIZE CLASS SERIAL NO. SHEET REVISION 00-83-073-0184 F 2 J 708004 07 D02									

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