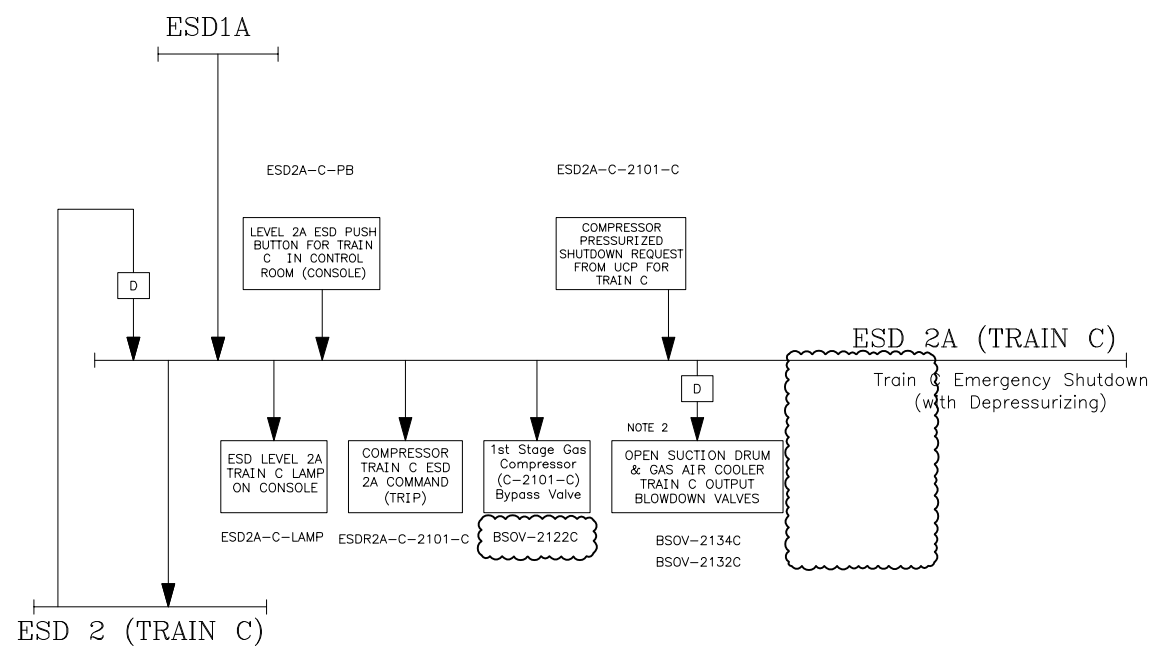
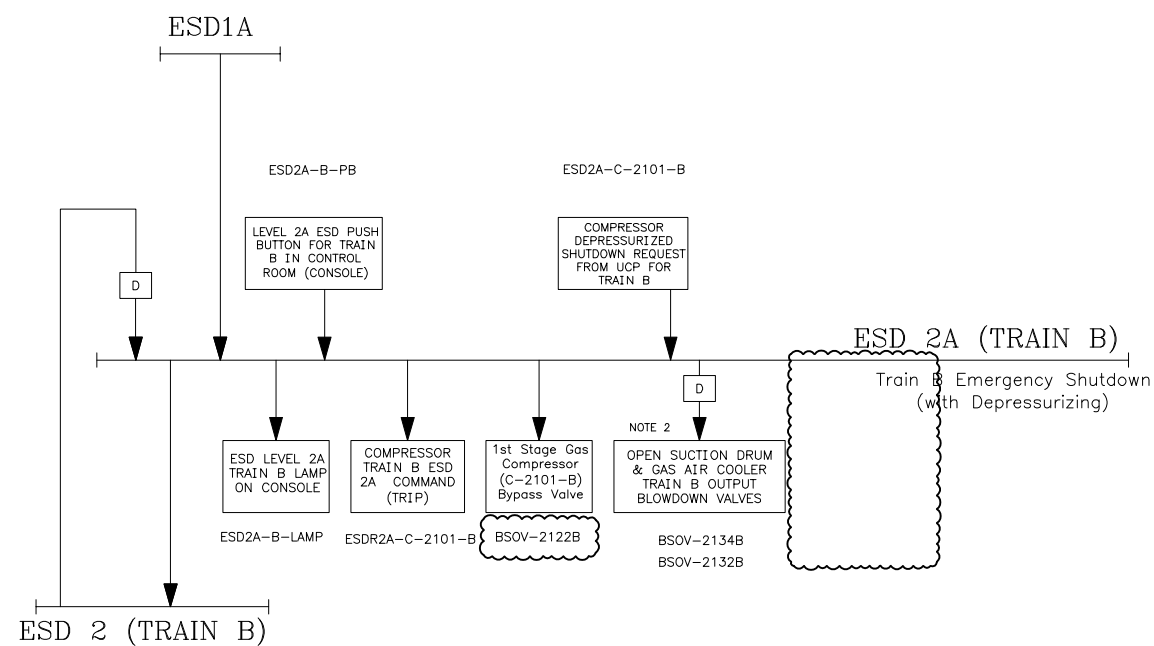
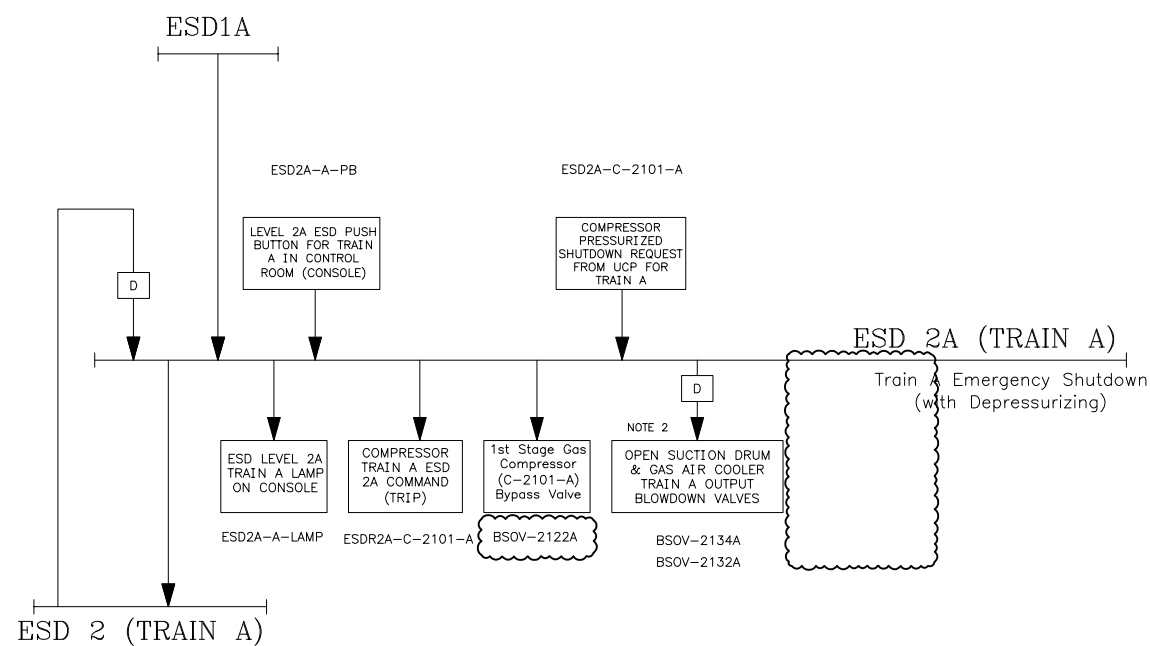


DOCUMENT TITLE:
ESD LEVEL HIERARCHY

[illegible]



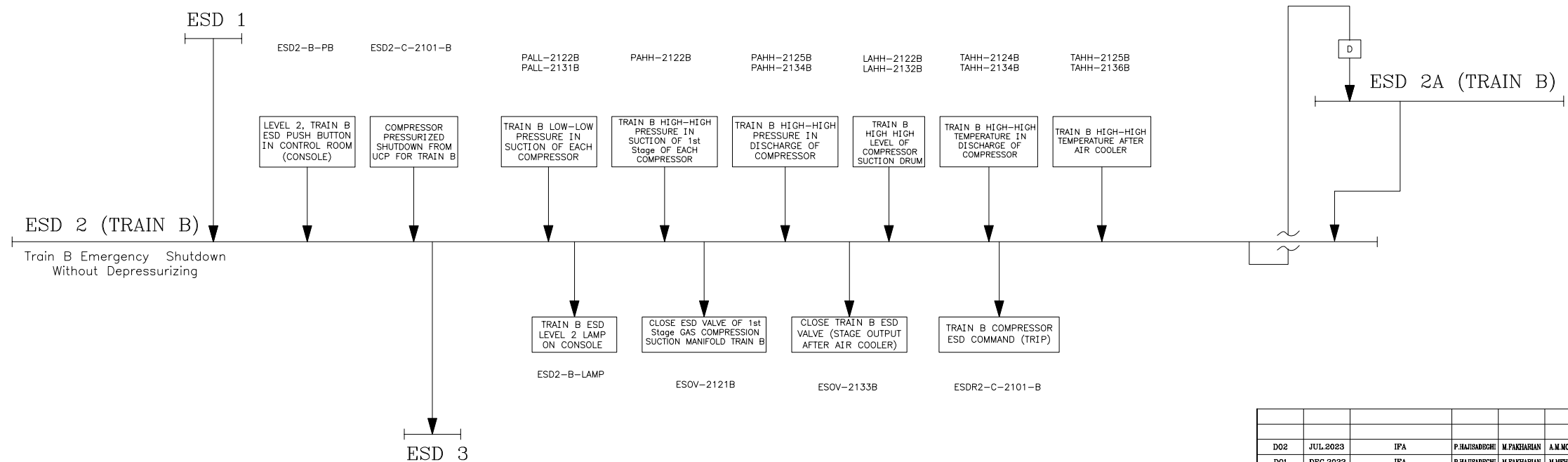
NOTES
1. THE UPS SHALL GENERATE AN ALARM BEFORE POWER LOSS TO NOTIFY OPERATOR. THE OPERATOR SHALL TAKE NECESSARY ACTIONS BEFORE LOOSING THE SAFETY SYSTEM FOR SAFE SHUTDOWN AND BLOWDOWN OF PLANT.
2. BLOWDOWN COMMAND SHALL BE GENERATED AFTER PRE-DEFINED TIME (ACCORDING TO ESD PHILOSOPHY) OR IN CASE OF RECEIVING RELATED ESDVs 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. 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.L.	Low Low
P.B.	Push Button
ESDV	Emergency Shutdown Valve
BDV	Blow-Down Valve

REFERENCE DRAWING	DRG. No.
*****	*****

KEY PLAN

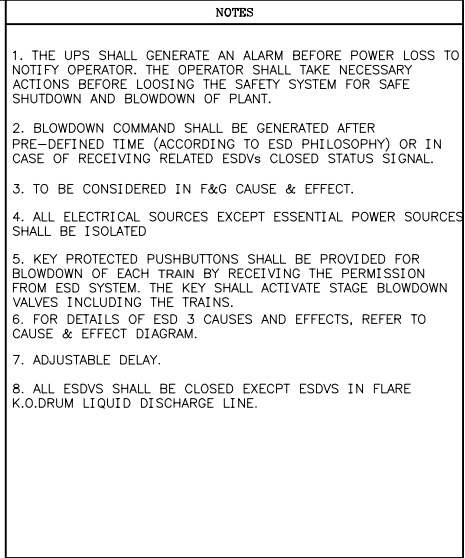
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LEGEND	
I.A.	Instrument Air
PA/GA	Public Address/General Alarm
K.O.	Knock-out Drum
H.H.	High High
L.L.	Low Low
P.B.	Push Button
ESDV	Emergency Shutdown Valve
BDV	Blow-Down Valve

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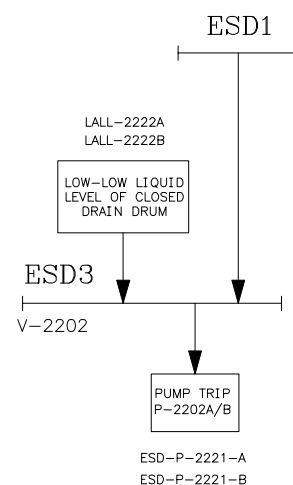
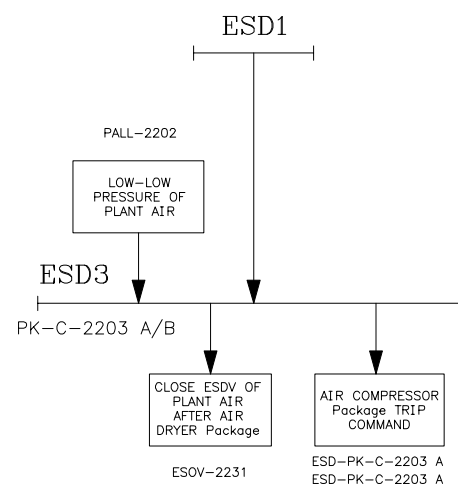
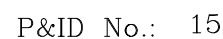
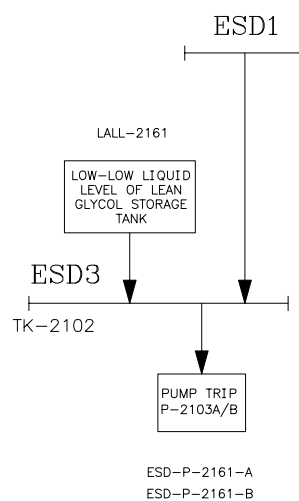
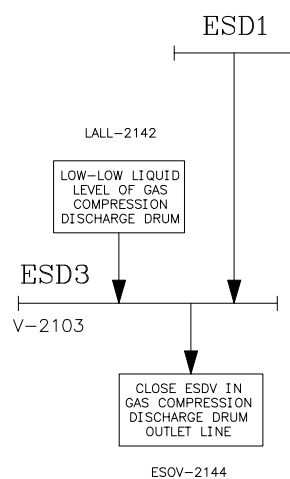
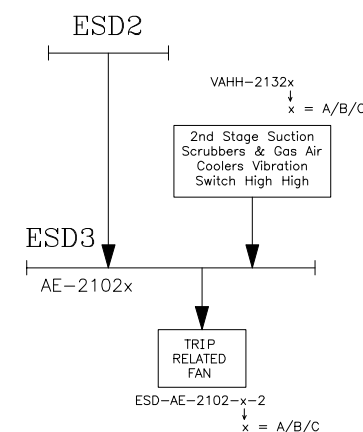
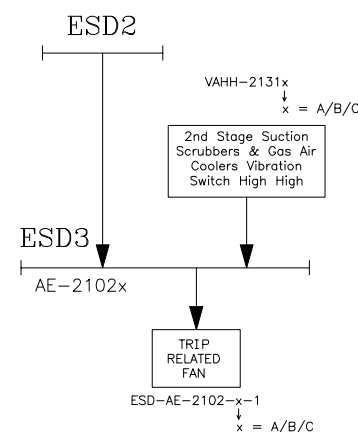
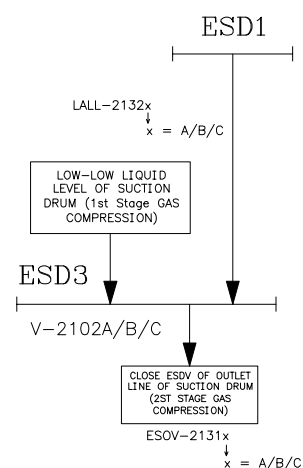
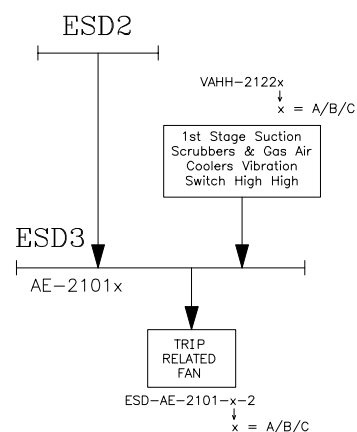
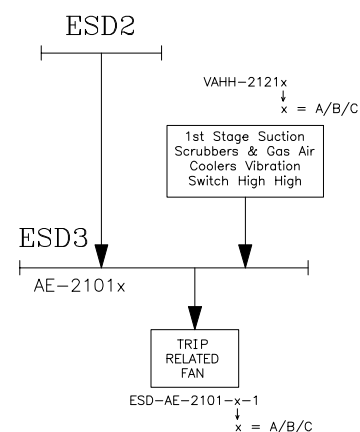
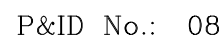
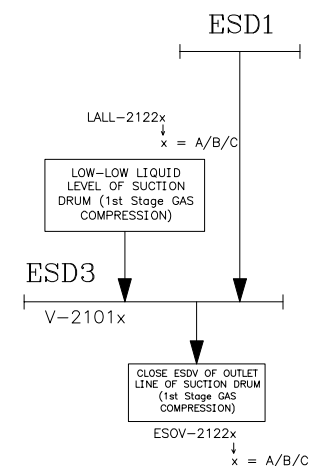
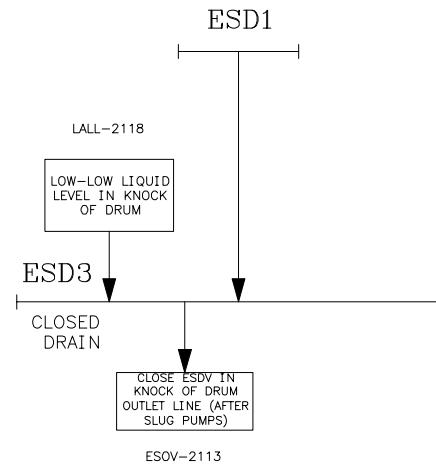
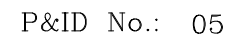
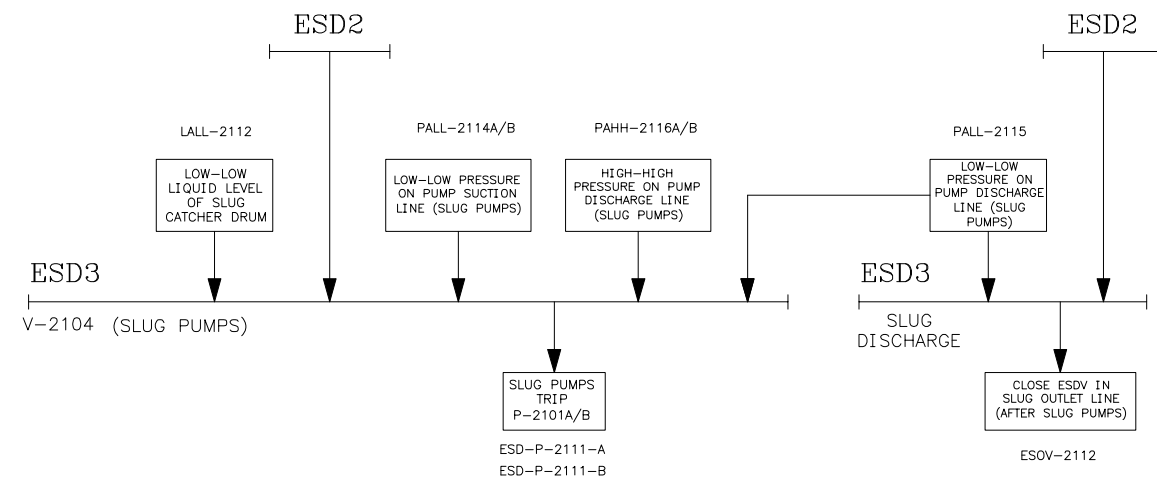


LEGEND	
I.A.	Instrument Air
PA/GA	Public Address/General Alarm
K.O.	Knock-out Drum
H.H.	High High
L.L.	Low Low
P.B.	Push Button
ESDV	Emergency Shutdown Valve
BDV	Blow-Down Valve

REFERENCE DRAWING	DRG. No.
*****	*****

KEY PLAN

[illegible]



NOTES

LEGEND

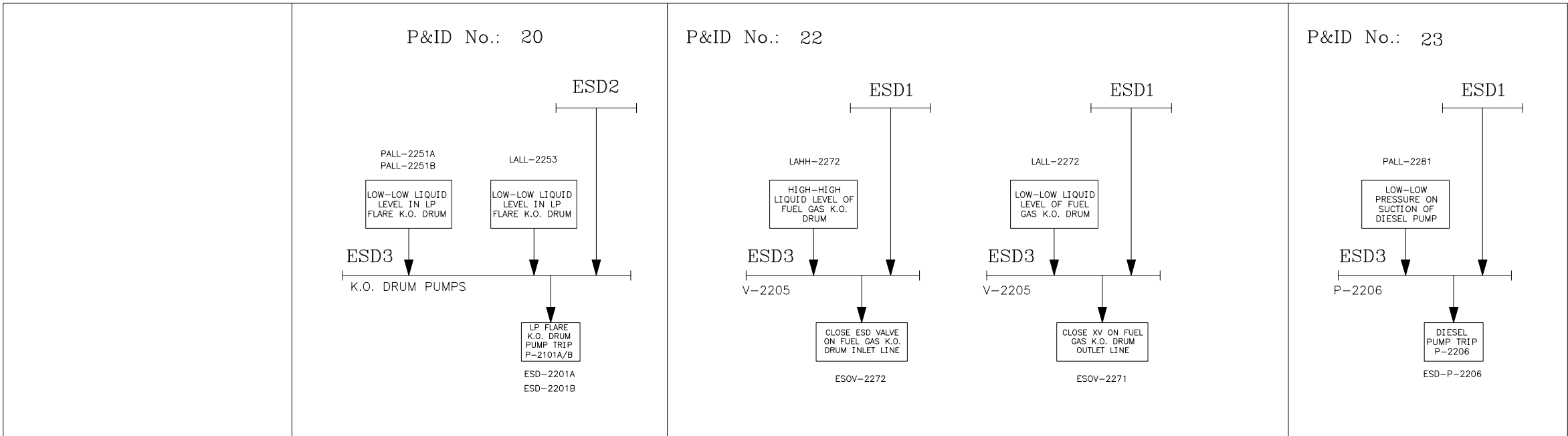
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PA/GA	Public Address/General Alarm
K.O.	Knock-out Drum
H.H.	High High
L.L.	Low Low
P.B.	Push Button
ESDV	Emergency Shutdown Valve
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REFERENCE DRAWING	DRG. No.
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DRG. No.

KEY PLAN

[illegible]



P&ID No.: 23

ESD1

PALL-2281

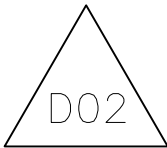
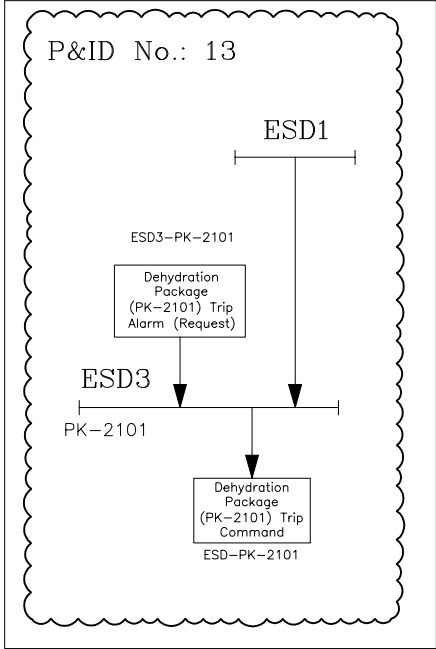
LOW-LOW
PRESSURE ON
SUCTION OF
DIESEL PUMP

ESD3

P-2206

DIESEL
PUMP TRIP
P-2206

ESD-P-2206



NOTES									

LEGEND									
I.A.	Instrument Air								
PA/GA	Public Address/General Alarm								
K.O.	Knock-out Drum								
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REFERENCE DRAWING	DRG. No.
*****	*****

KEY PLAN

D02	JUL.2023	IFA	P.HAJISADIGHI	M.PAKHARJAN	A.M.MOSESSENI	** **	***	*****	** **	*** ****	** **	*** ****	*** ****	*** ****	*** ****	*** ****	*** ****	*** ****	*** ****								
D01	DEC.2022	IFA	P.HAJISADIGHI	M.PAKHARJAN	M.MEHRSHAD	** **	REV.	DESCRIPTION	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE							
D00	MAY.2022	IFC	P.HAJISADIGHI	M.PAKHARJAN	M.MEHRSHAD	** **			CHECKED		REV. APPR.																
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.  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 NAME:						BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION																					
PROJECT NO.:						971020																					
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			BINAK OILFIELD DEVELOPMENT/ SURFACE FACILITIES GAS COMPRESSOR STATION																					
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY																								
DATE			SCALE			DRAWING BY														CHECKED BY			PROJECT ENG.				
DRAWING TITLE:						NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED																					
ESD LEVEL HIERARCHY																											
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION														
N.T.S	A3	BK-GCS-PEDCO-120-IN-DG-0003			7 OF 7	D02	00-53-073-9184	F	2	J	708948	07	D02														

(VENDOR TITLE BLOCK)**