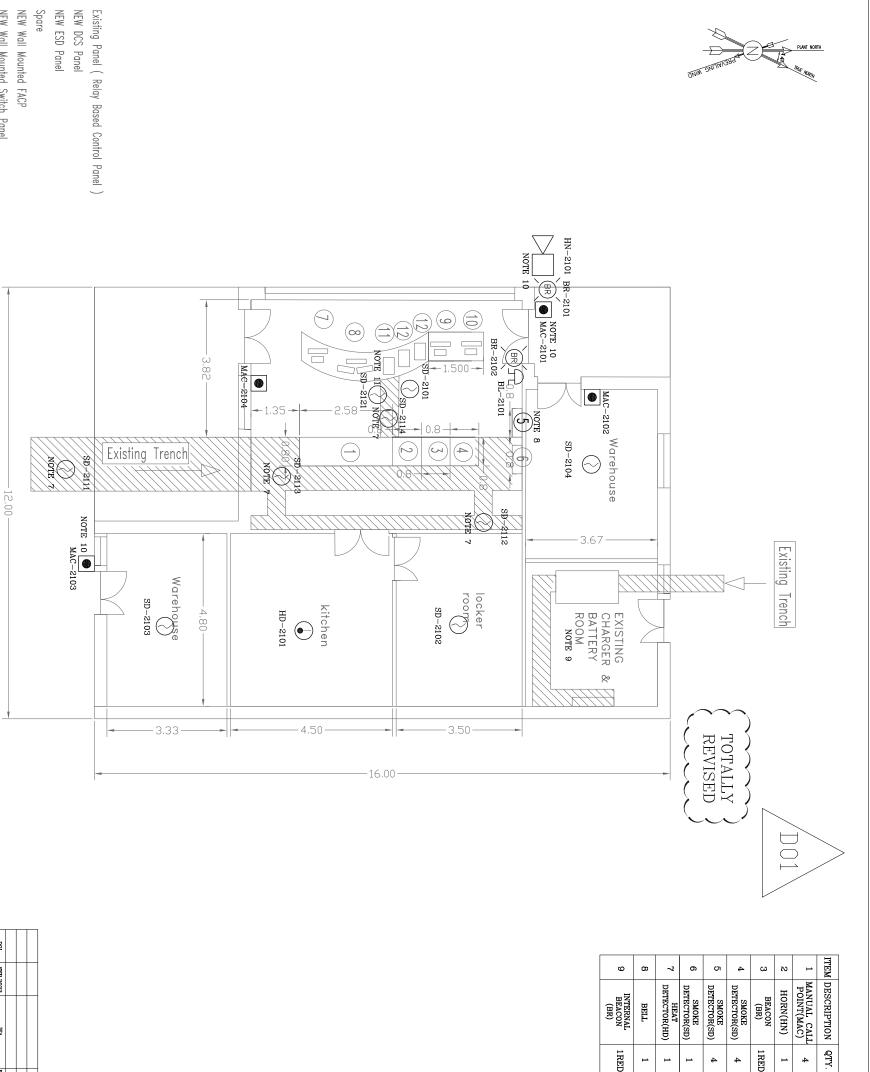
## DOCUMENT TITLE:

## F&G LOCATION LAYOUT-EXTENSION OF BINAK B/C MANIFOLD

REFERENCE DRAWING
SPECIFICATION FOR PIER & GAS SENSOR AND DEFICES SK-GNEAL-PEDCO-000-IN-ST-0009
PIER & GAS DEFECTION DESIGN CHTERIA
PLOT FLAN DRAWING-EXTENSION OF BRAKE B/C
BK-WOO7S-PEDCO-110-PI-PY-0001

PLAN

(VENDOR TITLE BLOCK)***															
N.T.S	SCALE		DRAWING TITLE:		HIRGAN	<u> </u>	_	EPC CONTRACTOR	PROJECT NO.:	PROJECT NAME:	REV.	D00	D01		
А3	SIZE	F&G LOC	TITLE:	сом	ENERGY -		TRACTOR:		NO.:		DATE	MAY.2022	SEP.2022		
BK-W007S-PEDCO-110-IN-PY-0005	DRAWIN	F&G LOCATION LAYOUT - EXTENSION OF BINAK B/C MANIFOLD		COMPANIES	HIRGAN ENERGY - DESIGN & INSPECTION						P.O.I.S	IFC	IFA		
-110-IN-PY	DRAWING NO.	XTENSION		1 200				EPD/EPC	971020	EXTENSION	PREP.	P.HAJISADEGHI	P.HAJISADEGHI		
-0005		OF BIN,				EPD/EPC CONTRACTOR (GC): PETROIR DEVELOF			20	BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES WOO'S WHF & EXTENSION OF BINAK B/C MANIFOLD	CHK.	P.HAJISADEGHI M.FAKHARIAN M.MEHRSHAD	P.HAJISADEGHI M.FAKHARIAN M.MEHRSHAD		
01 OF 04	SHEET NO.	AK B/C M				CTOR (GC): PETROIRAN DEVELOPMENT		APP.			M.MEHRSHAD	M.MEHRSHAD			
D01	). REV.	MANIFOLE				TN				CKAGES LD	AUT.	:			
0-53-073-9184	BUDGET REF.		NO		DATE	WOO			or dra		ياند	i	Dad Dad	**	
-9184 F 2	EF. LOCATION SIZE CLASS	APPROVED FOR CONSTRUCTION	NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED		SCALE	W007S WHF & EXTENSION OF BINAK B/C MANIFOLD	BINAK C SUB-SUF 7S WHF & EXT		6	~	اصل و کلیه نسخ این نقشه و حتی اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.	DEDCIMI LION	DESCRIPTION	********	
ľ	E CLASS		RMITTED		DRAWIN	ILFIELD FACE WENSION		N.I.S.C	HT THERE	ق به شرکت ه	CF	ВҮ			
708000	SERIAL NO.	BY:	UNLESS DRAW		F & EXTENSION OF BINAK B/C MANIFOLD  SCALE DRAWING BY CHECKED BY PROJECT ENG		BINAK OILFIELD DEVELOPMENT	N.I.S.O.C./ FIELDS	DRIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF	نه و حق اقتباس متعلز	CHECKED	DATE	****		
80	SHEET	DATE:	ING APPR		D BY PR	ENT GES B/C MAN			03	FROPERTY	ليمنسخ أين تقا	REV.	ВҮ	***	
D01	REVISION		OVED		OJECT ENG.	IFOLD				HER WITH OF	امل و ک	REV. APPR.	DATE	****	



REFERENCE DRAWING DENICES BK-ONSAL-FEZICO-000-IN-SP-0009
FIEE & GAS DETECTION DESIGN CHITERIA BK-GRS-FEZICO-120-IN-DC-0001
FIET PLAN DRAWING-EXTENSION OF BINAK B/C BK-WOO78-FEZICO-110-PI-PI--0001

**>**~<

KEY PLAN

THIS LOCATION

10

1RED

3 m 3 m 4

1.4 m

5. BELL SHALL BE INSTALLED ON WALL.

3. SMOKE DETECTOR, HEAT AND HYDROGEN GAS DETECTOR SHALL BE INSTALLED ON CEILING.

MACS SHALL BE WALL MOUNTED AT HEIGHT OF 1.4m ABOVE FINISHED LEVEL.

ALL DIMENSIONS ARE IN METER.

ALL INSTALLATION ELEVATION SHALL BE ADJUSTED AT SITE.

INST.

TALLATION EVATION

4

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9. ALL EQUIPMENT IN THIS ROOM IS OUT OF SERVICE, SO NO DETECTOR IS REQUIRED.

8. FACP SHALL BE CONSIDERED ADDREESABLE TYPE.

SMOKE DETECTOR WITH REMOTE INDICATOR FOR CABLE TRENCH. HYDROGEN GAS DETECTORS TO BE CONSIDERED ADDRESSABLE TYPE.

ILING

1RED

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4 m

MANUAL CALL POINT SMOKE DETECTOR

**(B)** 

RED BEACON

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HEAT DETECTOR

HYDROGEN GAS DETECTOR

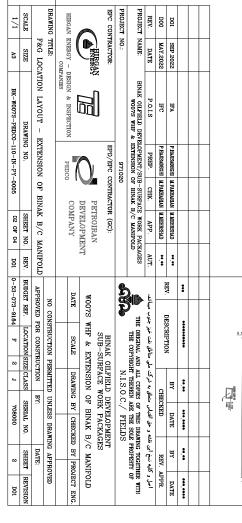
HORN BELL

ON ON FALSE CEILING ON CABLE TRENCH

11. SMOKE DETECTOR WITH REMOTE INDICATOR FOR FALSE CEILING

10. IN ACCORDANCE TO DOC, "HAZARDOUS AREA CLASSIFICATION LAYOUT - EXTENSION OF BINAK B/C CLASSIFICATION LAYOUT - EXAFE AREA OF THE BUIDLING, THIS EQUIPMENT SHALL NOT BE EX. TYPE.

2.4 m



Existing workstation

NEW Wall Mounted Switch Panel

NEW DCS Engineering Workstation NEW ESD Engineering Workstation

CONTROL

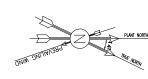
BUILDING

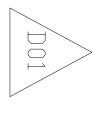
AREA

(VENDOR TITLE BLOCK)\*\*

NEW DCS / ESD Double Monitor Operator Workstation

NEW Black/White printed





ITEM DESCRIPTION QTY. INSTALLATION ELEVATION

1. ALL DIMENSIONS ARE IN METER.
2. MACS SHALL RF """.

3. SMOKE DETECTOR, HEAT AND HYDROGEN GAS DETECTOR SHALL BE INSTALLED ON CEILING. 4. ALL INSTALLATION ELEVATION SHALL BE ADJUSTED AT SITE.
5. HYDROGEN GAS DETECTORS TO BE CONSIDERED ADDRESSABLE TYPE.

MACS SHALL BE WALL MOUNTED AT HEIGHT OF  $1.4\mbox{m}$  ABOVE FINISHED LEVEL.

1 MANUAL CALL 2 POINT(MAC) 2

1.4 m 3 m 3 m

HORN(HN)

1RED 1

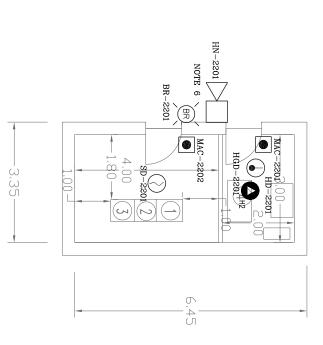
6. IN ACCORDANCE TO DOC."HAZARDOUS AREA CLASSIFICATION LAYOUT - EXTENSION OF BINAK B/C MANIFOLD" AND THE SAFE AREA OF THE BUIDLING,THIS EQUIPMENT SHALL NOT BE EX. TYPE.

BEACON
(BR)
SMOKE
DETECTOR(SD)
H2 GAS
DETECTOR (HGD)
HEAT
DETECTOR(HD)

ON CEILING ON CEILING

\_ 

ON CEILING



SMOKE DETECTOR

MANUAL CALL POINT

HYDROGEN GAS DETECTOR

HORN **(B)** 

RED BEACON

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HEAT DETECTOR

Existing/NewDistribution Panel

REFERENCE DRAWING

PRE: & GAS SENSOR AND DEVICES BK-GNEAL-PEDCO-000-IN-ST-0000

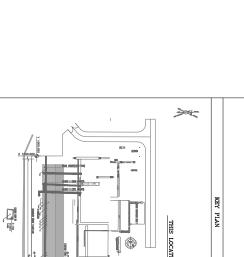
PRE: & GAS DETECTION DESIGN CHITERIA.

PLOT FLAN DRAWING-EXTENSION OF BINAK B/C

PLOT FLAN DRAWING-EXTENSION OF BINAK B/C

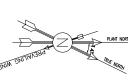
BK-WOUTS-PEDCO-110-PI-PI-0001

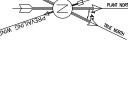
4	3	(2)	
Existing/New Battery	Existing/NewCharger B :	Existing/NewDistribution	Existing/New Charger A
	24V	Pan	24\

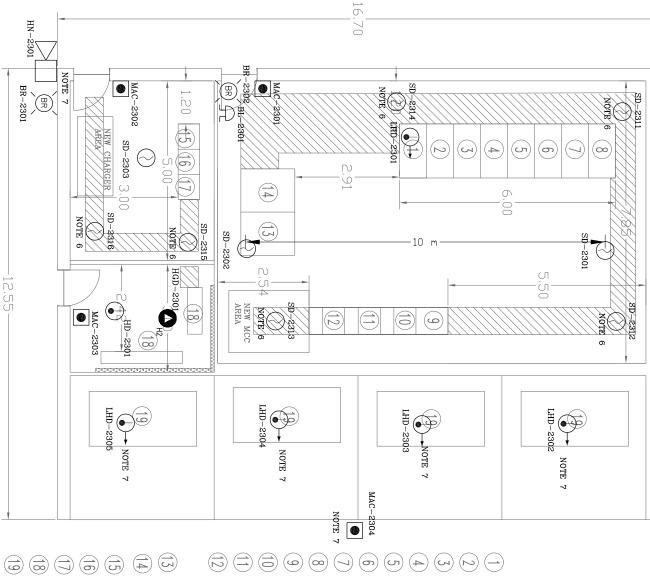


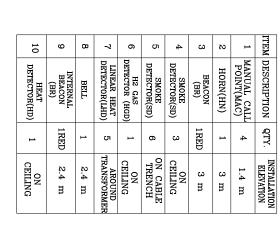
	(variable state)	(VENDOR TITE BLOCK)**																					
1/1	SCALE		DRAWING TITLE:		HIRGAN			EPC CONTRACTOR	PROJECT NO .:	PROJECT NAME:	REV.	D00	D01										
А3	SIZE	F&G LOC.	TITLE:	сом	ENERGY -	ENERG	HIREGA!	TRACTOR:	NO.:	NAME: BINAK OLLFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES WOO7S WHF & EXTENSION OF BINAK B/C MANIFOLD	DATE P.O.I.S	MAY.2022	SEP.2022										
BK-W007S-PEDCO-110-IN-PY-0005	DRAWING NO.	F&G LOCATION LAYOUT - EXTENSION OF BINAK B/C MANIFOLD		COMPANIES	HIRGAN ENERGY - DESIGN & INSPECTION							IFC	IFA										
-110-IN-PY	NG NO.			1 2000	PEDCC			EPD/EPC CONTRACTOR (GC):	971020	EXTENSION	PREP.	P.HAJISADEGHI	P.HAJISADEGHI										
-0005		OF BINA					ONTRACTO			B-SURFACI	CHK.	P.HAJISADEGHI M.FAKHARIAN M.MEHRSHAD	P.HAJISADEGHI M.FAKHARIAN M.MEHRSHAD										
03 OF 04	SHEET NO.	K B/C M			COMPANY	DEVELOPMENT	PRTROIRAN	R (GC):		WORK PAC	APP.	M.MEHRSHAD	M.MEHRSHAD										
D01	REV.	ANIFOLD				T				KAGES D	AUT.	:	.#										
0-53-073-9184	BUDGET REF.		φ						OLDIA OLDIA		Ė.	REV.		**									
73-9184		OVED FO	o cons		Ħ	078 W			F	)   	يتوبسيا	1	750	:									
F 2	LOCATION SIZE CLASS	APPROVED FOR CONSTRUCTION	R CONSTRUCTION	R CONSTRUCTION	NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED		SCALE	W007S WHF & EXTENSION OF BINAK B/C MANIFOLD	SUB-SURFACE WORK PACKAGES	BINAK (		THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF	اصل و کلیه نسخ این نقشه و حتی اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.	CIMI TION	DESCRIPTION	*******							
l s	ZE CLASS				CTION	CTION	CTION	CTION	CTION	CTION	CTION	CTION	CTION	ERMITTE		DRAW	ENSION	RFACE	ILFIEL	NIS	O ALL CO	به شرکت مل	
70		BY:	TIND OF		DRAWING BY	OF E	D DEVI WORK		0.C./	PIES OF REIN ARE	اس متعلق به	CHECKED											
708000	SERIAL NO.		SS DRAWL	CHECKE	JINAK B,		BINAK OILFIELD DEVELOPMENT	N.I.S.O.C./ FIELDS	THIS DRAW	غشه وحق أقتب	Ħ	DATE	****										
83	SHEET	DATE:	NG APPRO		D BY PRO	/C MANI	S	ij		ING TOGETH PROPERTY	للمنخلين	REV. APPR.	ВУ										
D01	REVISION		VED		CHECKED BY PROJECT ENG.	FOLD				HER WITH OF	امل و ک	APPR.	DATE	****									

BATTERY ROOM AREA









3. SMOKE DETECTOR, HEAT AND HYDROGEN GAS DETECTOR SHALL BE INSTALLED ON CEILING.

ALL INSTALLATION ELEVATION SHALL BE ADJUSTED AT SITE.

MACS SHALL BE WALL MOUNTED AT HEIGHT OF  $1.4\,\mathrm{m}$  ABOVE FINISHED LEVEL.

ALL DIMENSIONS ARE IN METER.

7. IN ACCORDANCE TO DOC."HAZARDOUS AREA CLASSIFICATION LAYOUT – EXTENSION OF BINAK B/C MANIFOLD" AND THE SAFE AREA OF THE BUDLING,THIS EQUIPMENT SHALL NOT BE EX. TYPE.

SMOKE DETECTOR WITH REMOTE INDICATOR FOR CABLE TRENCH. HYDROGEN GAS DETECTORS TO BE CONSIDERED ADDRESSABLE TYPE.

- Existing Transformer 500 KA
- Existing Capacitor 200 KVAR

O ĕ

HYDROGEN GAS DETECTOR MANUAL CALL POINT SMOKE DETECTOR

HORN

**(B)** 

RED BEACON

HELL.

( LINEAR HEAT DETECTOR

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HEAT DETECTOR

REFERENCE DRAWING

ECHICATION FOR FIRE & CAS SENSOR AND DEVICES

FIRE & GAS DEFECTION DESIGN CEITERA

FIRE & GAS DEFECTION DESIGN ENTRE B/C

FIRE

- Existing Motor 90KW P3
- Existing PT Panel
- Existing Incoming
- Existing Equipped Spare ( 600 KW )
- Existing Motor 525KW ( P2 )

- (9) (00) Existing Motor 600KW ( P4 ) Existing LV MCC Panel
- Existing FEEDER ( Battery Capacitor "A" (25A), Spare (100A), Equipped Spare (25kw/100A), Equipped Spare (55KW) Existing FEEDER ( Spare, Spare 100A , Equipped Spare (25kw/100A), Capacitor Bank(150 KVAR), P3(55KW))
- Existing FEEDER ( Battery Charger "A" (25A), TO Switchgear Room (63A), Pump House FLP( 63A), Spare (100A), 3.3 Switchgear MCC (60A), Equipped Spare (25KW, 100A), Existing 440V MCC )

THIS LOCATION KEY PLAN

- Existing CB 100KVAR 3.3KV (First Step)
- Existing CB 100KVAR 3.3KV ( Second Step)
- Existing 110 VDC 25A Battery charger-A
- Existing 110 VDC 25A Distribution Panel
- Existing 110 VDC 25A Battery charger-B
- Existing / New Battery Room, Including 110VDC Existing & New AC UPS 110 VAC Battery
- Existing Transformer House

MAY.2022	SEP.2022				
IFC	IFA				
P.HAJISADEGHI	P.HAJISADEGHI				
M.FAKHARIAN	M.FAKHARIAN				
M.MEHRSHAD	M.MEHRSHAD				
**,**					
MET.	DPV	9#9			
DESCRIPTION	DESCRIPTION	********			i
CHE	ВҮ	***			
KED	DATE	***,****			
REV.	ВУ	** **			
APPR.	DATE	****			
	IFC P.HAJISADEGHI M.PAKHARIAN M.MEHRSHAD *** **	IFA   P.HAJESANDEE  M.P.NERHAGUAN   M.DEERESHAD   ****   REV.   DESCRIPTION   BY   DATE   BY   APE   APE	IFA   PALISADECH   L'PARTAGRIN   L'AUSTROSHAD   ***	IFA   PALISADECH   L'PAREAGRAN   L'ENERGEAU   ****	FA   PANISADERI LYAKHARIN   MAZIRISHAD   ***   PANISADERI LYAKHARIN   ***   PANISADERI LY

DATE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FTELDS SCALE BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES

EPC CONTRACTOR

EPD/EPC

HURGAV

PROJECT NAME:

DRAWING TITLE:

F&G LOCATION LAYOUT - EXTENSION OF BINAK B/C MANIFOLD BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES WOO'7S WHF & EXTENSION OF BINAK B/C MANIFOLD CONTRACTOR (GC): PETROIRAN
DEVELOPMENT
COMPANY SHEET NO. REV.
04 OF 04 D01 W007S WHF & EXTENSION OF BINAK B/C MANIFOLD DRAWING BY CHECKED BY PROJECT ENG. SHEET REVISION
2 DO1

SWITCH GEAR

BUILDING AREA

(VENDOR TITLE BLOCK)\*\*

BK-W007S-PEDCO-110-IN-PY

-0005