

F&G CAUSE AND EFFECT DIAGRAM FOR BUILDINGS

NGT FLAN	PAG LICONTION CAYBURNEDRAMMICINICS SPECIFICATION FOR FIRE & CAS SENSOR AND DEVICES SK-CHEAL-PEDCO-1020-IN-SP-0000 FIRE & CAS DETECTION DESIGN CHITERIA BK-GCS-PEDCO-120-IN-DC-0001 BSD LAYEL HIERARCHY BK-GCS-PEDCO-120-IN-DG-0003	REFERENCE DRAWING	UNADORT1	NOTES
	B8K-6CS-PEDCO-122D-181+HYK-60061 BK-GNRAL-PEDCO-000-IN-SP-0009 BK-GCS-PEDCO-120-IN-DC-0001 BK-GCS-PEDCO-120-IN-DG-0003	DRG. No.		

	(PERDOR IIIII DECON)	(VENDOR TITE BIOCK)***												
	SCALE		DRAWING TITLE:		HIRGAN	$\overline{}$	EPC CONTRACTOR	PROJECT NO .:	PROJECT NAME:	REV.	D00			
А3	SIZE	and officer	TITLE:	сом	ENERGY - 1	ENERS!	TRACTOR:	NO.:	NAME:	DATE	JUN.2022			
BK-GCS-PEDCO-120-IN-DG-0010	DRAWING NO.	me minute	TITLE:	COMPANIES	HIRGAN ENERGY - DESIGN & INSPECTION				BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION	P.O.I.S	IFC			
120-IN-DG-	NG NO.		FOR RIII.	r EDCC	pency	\bigcap	EPD/EPC CONTRACTOR (GC):	971020	DEVELOPME AS COMPRESS	PREP.	P.HAJISADEGHI M.FAKHARIAN			
0010		711.00	INGS		•	DE PE	CONTRACTO	õ	NT/SURFAC	CHK.	M.FAKHARIAN			
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D00	REV.					T			, ta	AUT.	:			
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0100-DU-NI-021-00DE-SD-NE	DRAWING NO.	DIA BELLIOL DINGING	TITLE:	COMPANIES	HIRGAN ENERGY - DESIGN & INSPECTION	<u> </u>				BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION	P.O.I.S	IFC			
120-IN-DG-	G NO.	1010	EOB BIIII	- FDCC	PENC		V	EPD/EPC CONTRACTOR (GC):	971020	LD DEVELOPMENT/SURFACE GAS COMPRESSOR STATION	PREP.	P.HAJISADEGHI			
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F	LOCATION SIZE CLASS	APPROVED FOR CONSTRUCTION	NO CONSTRUCTION PERMITTED		SCALE	GAS		BINAK OILFIELI		THE ORIGINAL AND ALL CONTINUE COPYRIGHT THER	به شرکت ملی مناطق نفت خیز جنوب میباشد.	Screen 11014	DESCRIPTION	********	
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N ENERGY - DESIGN & INSPECTION COMPANIES G TITLE:	∰ _ N	r NO.:			JUN.2022		
W ENERGY - DESIGN & INSPECTION PEDCO COMPANIES G TITLE:		971020	BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION	P.O.I.S PREP.	IFC P.HAJISADECHI M.I		
DEVELOPMENT	PETROIRAN	AMBACTION (CC):	/SURFACE FACILITIES STATION	CHK. APP. AUT.	P.HAJISADEGHI M.FAKHARIAN M.MEHRSHAD **.**		
DATE NO CC			311	_	REV.	1	
ATE SCALE DRAWING BY CHECKED BY PROJECT	BINAK OII SURI GAS CO		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 حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.	DESCRIPTION	*******	
DRAWING BY	BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION	N.1.5.0.C./	ALL COPIES OF T	نباس متعلق به شرکت	BY DA	++	
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PROJECT EN			OGETHER WITH ERTY OF	اصل و کلیه نس	REV. APPR.		

(VENDOR TITLE BLOCK)***

DATE S	ANIES PECT DIAGRAM FOR BUILDINGS	HIRGAN ENERGY - D COMP DRAWING TITLE: F&G CAUSE	×	× ×	×	× ×			×	×	HGD-1101~1103	DETECTION CONFIRMED(SINGLE DETECTION)
AN	EPD/EPC CONTR.	HPC CONTRACTOR:		×			×				HGD-1101~1103	CONTROL BUILDING 5% LEL HYDROGEN GAS DETECTION CONFIRMED(SINGLE DETECTION)
THE O	OILFIELD DEVELOPME GAS COMPRESS 97102		×	×	×	×		×	×	×	SD-1108~1109, SD-1118~1124	NTROL BUILDING UPS ROOM,MAINTENANCE OM,OFFICE SMOKE DETECTION (DOUBLE TECTION)
LENKENSHARI APP AUT. REV. DESCRIPTION BY DATE BY DATE CHECKED REV. APPR. CHECKED REV. APPR. CHECKED REV. APPR.	P.O.I.S PREED. CHK.	DOO JUN.2022						×			SD-1108~1109, SD-1118~1124	CONTROL BUILDING UPS ROOM, MAINTENANCE ROOM, OFFICE SMOKE DETECTION (SINGLE DETECTION)
****			×	×	×	×		×	×	×	SD-1110~1113	CONTROL BUILDING BATTERY ROOM SMOKE DETECTION (DOUBLE DETECTION)
								×			SD-1110~1113	UILDING BATTERY ROOM (SINGLE DETECTION)
			×	×	×	×		×	×	×	SD-1114~1116	CONTROL BUILDING CORRIDOR SMOKE DETECTION (DOUBLE DETECTION)
								×			SD-1114~1116	BUILDING CORRIDOR SMOKE DETECTION)
			×	×	×	×		×	×	×	1181~1	CONTROL BUILDING CONTROL ROOM FOR FALSE FLOOR SMOKE DETECTION (DOUBLE DETECTION)
								×			SD-1181~1187	CONTROL BUILDING CONTROL ROOM FOR FALSE FLOOR SMOKE DETECTION (DOUBLE DETECTION)
			×	×	×	×		×	×	×	SD-1101~1107	CONTROL BUILDING CONTROL ROOM SMOKE DETECTION (DOUBLE DETECTION)
								×			SD-1101~1107	CONTROL BUILDING CONTROL ROOM SMOKE DETECTION (SINGLE DETECTION)
KEY PLAN				×	× ×	×	×		× ×		TGD-1101~1103	CONTROL BUILDING 20 PPM TOXIC GAS DETECTION CONFIRMED (DOUBLE DETECTION)
					×	×	×				TGD-1101~1103	CONTROL BUILDING 20 PPM TOXIC GAS DETECTION UNCONFIRMED (SINGLE DETECTION)
								×		×	TGD-1101~1103	CONTROL BUILDING 10 PPM TOXIC GAS DETECTION CONFIRMED (DOUBLE DETECTION)
								×			TGD-1101~1103	CONTROL BUILDING 10 PPM TOXIC GAS DETECTION UNCONFIRMED (SINGLE DETECTION)
ESO LEVEL HIERARCHY BK -GCS-PEDCO-120-1				×	× ×	×	×		×	×	FGD-1101~1103	CONTROL BUILDING 50% LEL FLAMMABLE GAS DETECTION CONFIRMED (DOUBLE DETECTION)
FRG LICATION LAYOUT FOR BUILDINGS BK-GCS-PEDCO-120-IN-FY-0008 SPECIFICATION FOR FIRE & GAS SENSOR AND DEVICES BK-GNS-PEDCO-000-IN-SP-0000 FIRE & GAS DETECTION DESIGN CRITERIA BK-GCS-PEDCO-120-IN-DC-0001					×	×	×				FGD-1101~1103	CONTROL BUILDING 50% LEL FLAMMABLE GAS DETECTION UNCONFIRMED (SINGLE DETECTION)
REFERENCE DRAWING DRG. No.								×		×	FGD-1101~1103	CONTROL BUILDING 20% LEL FLAMMABLE GAS DETECTION CONFIRMED (DOUBLE DETECTION)
								×			FGD-1101~1103	CONTROL BUILDING 20% LEL FLAMMABLE GAS DETECTION UNCONFIRMED (SINGLE DETECTION)
					×	×	×	×	×	×	MAC-1101~1107	CONTROL BUILDING MANUAL ALARM CALL POINT ACTIVATION
			24	20 21 22 23	17 18 19	14 15 16	10 11 12 13	7 8 9	4 5 6	1 2 3	TAG	DESCRIPTION
RKS	REMARKS		WITIATE	INITIATE INITIATE INITIATE	INITIATE	INITIATE INITIATE	INITIATE INITIATE INITIATE	INITIATE	INITIATE INITIATE INITIATE	ACTION MITIATE	40.	CAUSE
		ALARM SOUNDER WITH	TURN ON BATTERY ROOM	ESD REQUEST O DAMPROL THERE & BUILDING	ALARM RED FLASH	CR-CB CONE CALL	CR-CB UNCONFIRMED LOW	COMMON AUDIBLE ALARI	LAMP FOR CONFIRMED FIR LAMP FOR CONFIRMED LOW LAMP FOR CONFIRMED LOW LAMP FOR CONFIRMED HIGH COMMON AUDIBLE ALAS	LAW DEC		CONTROL BUILDING
RED FOR FIRE AND FLAMMABLE GAS DETECTION BLUE FOR TOXIC GAS DETECTION CB: CONTROL BUILDING		SOER & PAN FAN FONTHUOUS SOUND	SHUTDOW	W.CONTINIOUS SOUND OXIC GAS OUS	YOROGEN GAS	GAS ALARM	V CAS AL	FLAMMABLE GAS ALAK YIC GAS AL		FECT	EFFECT	F&G CAUSE AND EF
	01-1101-11		MV 101/11 MV 101/11	SE BR-1101/11	IN CONTROL ROOM	IN CO	CONTROL ROOM	CONTRI	r_A			

			DETECTION) (BY LINEAR HEAT DETECTOR)		ELECTRICAL BUILDING CONTROL ROOM SMOKE DETECTION (DOUBLE DETECTION)	ELECTRICAL BUILDING CONTROL ROOM SMOKE DETECTION (SINGLE DETECTION)	CONTROL BUILDING 20 PPM TOXIC GAS DETECTION CONFIRMED (DOUBLE DETECTION)	CONTROL BUILDING 20 PPM TOXIC GAS DETECTION UNCONFIRMED (SINGLE DETECTION)	CONTROL BUILDING 10 PPM TOXIC GAS DETECTION CONFIRMED (DOUBLE DETECTION)	CONTROL BUILDING 10 PPM TOXIC GAS DETECTION UNCONFIRMED (SINGLE DETECTION)	CONTROL BUILDING 50% LEL FLAMMABLE GAS DETECTION CONFIRMED (DOUBLE DETECTION)	CONTROL BUILDING 50% LEL FLAMMABLE GAS DETECTION UNCONFIRMED (SINGLE DETECTION)	CONTROL BUILDING 20% LEL FLAMMABLE GAS DETECTION CONFIRMED (DOUBLE DETECTION)	CONTROL BUILDING 20% LEL FLAMMABLE GAS DETECTION UNCONFIRMED (SINGLE DETECTION)	CONTROL BUILDING MANUAL ALARM CALL POINT ACTIVATION	DESCRIPTION	CAUSE	F&G CAUSE AND EFFEC DIAGRAM ELECTRICAL BUILDING
			LHD-1201~1203	LHD-1201~1203	SD-1201~1203	SD-1201~1203	TGD-1201~1203	TGD-1201~1203	TGD-1201~1203	TGD-1201~1203	FGD-1201~1203	FGD-1201~1203	FGD-1201~1203	FGD-1201~1203	MAC-1201~1203	TAG	Acr	T
			×		×										×	1 2	ACTION	W.E.C.
									×		×		×			3	Wir	1944: - E.O.
			×		×		× ×				×				×	5	INITIATE INITIATE	AMP ONFIDE FIRE
																ი	INITIATE	CRIPTION LAMP FOR CONFIRMED FIRE ALARM LAMP FOR CONFIRMED FIRE ALARM LAMP FOR CONFIRMED FIRE ALARM LAMP FOR CONFIRMED HIGH FLAMMABLE CAS ALARM COMMON AUDIBLE ALARM CREB FIRE ALARM CREB FIRE ALARM CREB FIRE ALARM
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			×	×	×						×	×			× ×	12 13	INITIATE	CR-EB UNCONFIRMED LOW GAS ALARM CR-EB UNCONFIRMED LOW GAS ALARM CR-EB CONFIRMED HIGH GAS ALARM FFRGG
			×	×	×		×	×							×	14 1:	INITIATE INITIATE	CR-EB UNCONFIRMED LOW GAS ALARM CR-EB UNCONFIRMED HIGH GAS ALARM CR-EB MANUAL CALL POINT ALARM ALARM RED FLASH LIGHT FOR EN ALARM FISOUNTED LIGHT FOR EN
							×	×			×	×				5 16	INITIATE	ALARM RED FLASH LIGHT FOR FIRE & FLAMMABLE BOUND FOR FLAMMABLE FOR FLAMMABLE FOR FLAMMABLE FOR FLAMMABLE BOUND SOUND FOR FLAMMABLE FLAMMABLE FOR FLAMMABLE FOR FLAMMABLE FOR FLAMMABLE FLAMMAB
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(ver																		AND 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 120/12/2017 12
(NEORIAL BLOCK)**																		
EPC CONTRACTOR: HREGAN ENERGY - DI DRAWING TITLE: P&G CAUSE J SCALE SIZE	DOO JU REV																	
CONTRACTOR: CHREGAY GAN ENERGY — DESIGN COMPANIES ING TITLE: PRO CAUSE AND E SIZE	JUN.2022 DATE T NAME:																	
ND ISS	IFC P.O.I.S BINAK																	
ECTION DIAGRAM FO	OILFIELL																	
EPD/EPC CONTI	P.HAJISADEGHI M.F. PREP. DEVELOPMENT, S. COMPRESSOR																RI	
PH	I LIPARIARIAN LIMBIRSHAD CHK. APP. ENT/SURFACE FACILITIES SSOR STATION																REMARKS	
PETROIRAN DEVELOPMENT COMPANY SHEET NO. REV.																	∞	
	AUT. REV.											SPECIF						EB: 3. F
	BY DATE BY DATE REV. DESCRIPTION BY DATE BY DATE THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE ON THERMAN ARE THE SOLE PROPERTY OF						KBY PLAN				ESD LEVEL HIERARCHY BK-GCS-PEDCO-120-IN-DG-0	FRG LOCATION LAYOUT FOR BUILDINGS BK-GCS-PEDCO-LOO-IN-PY-0008 SPECIFICATION FOR FIRE & GAS SENSOR AND DEVICES BK-GNRAL-PEDCO-000-IN-SP-0009 FIRE & GAS DETECTION DESIGN CHITERIA BK-GCS-PEDCO-LOO-IN-DC-0001	REFERENCE DRAWING DRG. No.				LEGEND	1. (CR)CONTROL ROOM MONITORING IS DEDICATED TO ALARMING ON F&GOFRATOR WORKSTATION. 2. 2 DIFFERENT DIES TO BE SELECTED FOR HORN AND BEACON ONE FOR FLAMMABLE TOXIC GAS DETECTION(NON-CONTINUOUS) AND ONE FOR FIRE DETECTION (CONTINUOUS) AND ONE RED FOR FIRE AND FLAMMABLE GAS DETECTION BLUE FOR TOXIC GAS DETECTION EB: ELECTRICAL BUILDING