

FEEDER ID	INCOVING	FOI	F02	F (Spare)	F03	F04	F05	F06	F07	F08	F09
LINE	L1, L2, L3	L1,L2,L3	L1,12,13	L1,12,13	ut	L2	L3	Lf	L2	L3	L1
DEMAND LOAD	13,6 KW	4800 W	2800 W	-	3000 W	-	1000 🛊	1000 W	1000 W	-	-
CONSUMER LOAD (W)	=	12NO. WT	7NO. WT	SPARE	3NO. SC	SPARE	4NO. HB	4NO. HB	4NO, HB	SPARE	SPARE
CABLE/ SIZE-TYPE	CU/XLPE/SWA/PVC 5CX50	CU/XLPE/S\\A/PVC 5X6	CU/XLPE/SWA/PVC 5X6	-	CU/XLPE/SWA/PVC 3X6	-	CU/XLPE/S#A/PVC 3X4	CU/XLPE/S#A/PVC 3X4	CU/XLPE/SWA/PVC 3X4	-	-



CONTROL DIAGRAM

BY DATE BY DATE REV. D00 JUN.2023 H.SHAKIBA Ü.FAKHARIAN A.M.MORSENI \*\*.\*\* CHECKED REV. APPR. PREP. CHK. APP. AUT. REV. DATE P.O.I.S اصل و کلیه نسخ این نقشه و حق اقتباس مثملق به شرکت ملی مناطق نفت خیز جنوب میباشد. PROJECT NAME: BINAK OILPIELD DEVELOPMENT/SURPACE PACILIVIES

GAS COMPRESSOR STATION THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF PROJECT NO.: N.I.S.O.C./ FIELDS 971020

EPC CONTRACTOR: **ENREGAN** HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PEDCO

PETROIRAN DEVELOPMENT DA COMPANY

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ATE.	SCALE	DRAWING BY	CHECKED BY	PROJECT E
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NOTES 1- INCOMING CABLE SIZE SHALL BE SELECTED ACC, TO THE LATEST REVISION OF CALCULATION NOTE FOR CABLE SIZING (BK-GCS-PEDCO-120-EL-CN-0003).

2- INCOMING FEEDER SHALL BE PROVIDED WITH CURRENT LIMITTING SYSTEM

AUTOMATIC CIRCUIT BREAKER MCCB WITH THERMAL MACRET 4 POLE

RCBO, RESIDUAL CIRCUIT BREAKER WITH OVER CURRENT PROTECTION

ELECTRICAL OVERALL SINGLE LINE DIAGRAM BK-CCS-PEDCO-120-BL-SU-0001 LIGHTING & SMALL POWER LAYOUT FOR
BUILDING & SHALL POWER LAYOUT

AREA LIGHTING & SMALL POWER LAYOUT

BK-CCS-PEDCO-120-EL-PY-0004

BK-CCS-PEDCO-120-EL-PY-0003 DATA SHEETES FOR DISTRIBUTION & LICHTING PANELS BK-CCS-PEDCO-120-BL-DT-0016

KEY PLAN

DRG. No.

\$

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> SIGNAL LAMP REFERENCE DRAWING

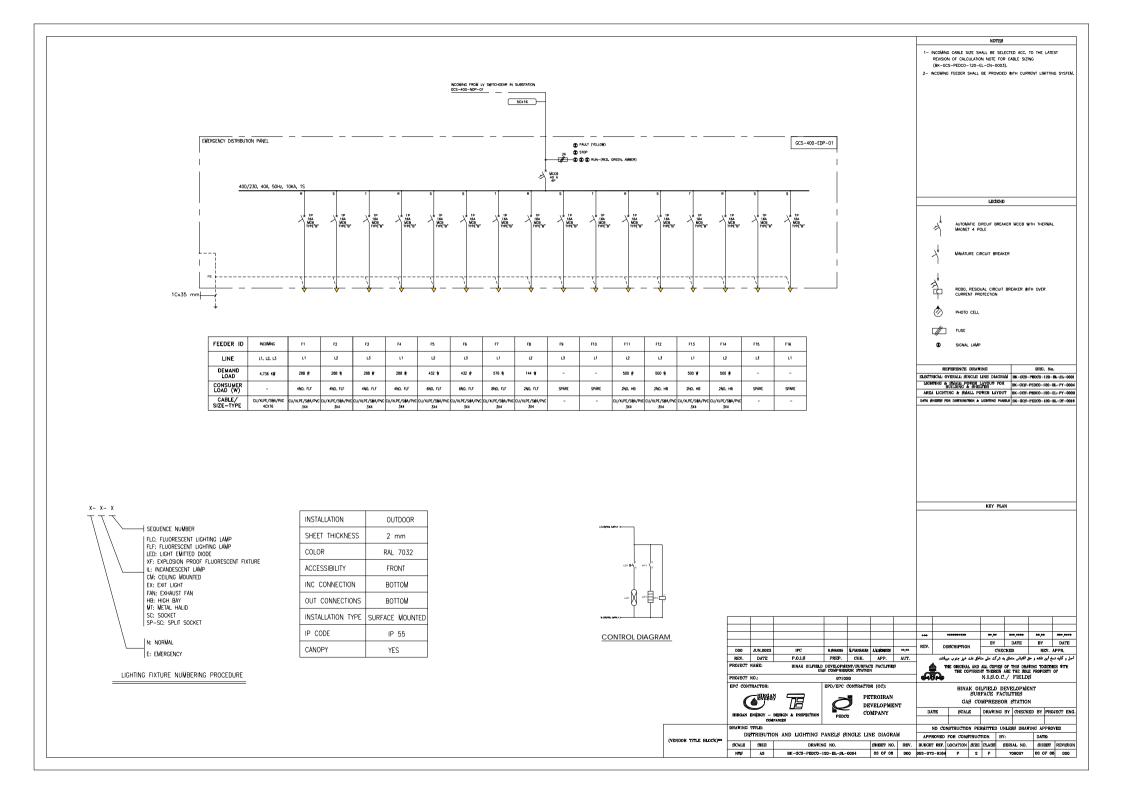
(VENDOR TITLE BLOC

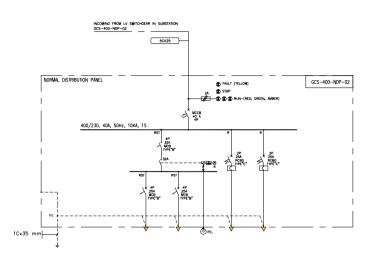
						140 00	mpinociio	II FED	TOTAL LIES	ONESDE DIAMIN	U AFFICE	ier
ock)**	DI	TRIBUTIO	APPROVED FOR CONSTRUCTION BY:				DATE:					
UCK)-	SCALE	SIZE	DRAWING NO.	SHEETI NO,	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
	<b>RT</b> M	AS	BK-GCS-PEDCO-120-BL-SL-0004	02 OF 08	D00	053-073-9184	P	2	P	709037	00 OF 08	D00

SEQUENCE NUMBER FLC: FLUORESCENT LIGHTING LAMP LED: LIGHT EMITTED DIODE XF: EXPLOSION PROOF FLUORESCENT FIXTURE IL: INCANDESCENT LAMP CM: CEILING MOUNTED EX: EXIT LIGHT FAN: EXHAUST FAN HB: HIGH BAY MT: METAL HALID SC: SOCKET SP-SC: SPLIT SOCKET N: NORMAL E: EMERGENCY

X- X- X

LIGHTING FIXTURE NUMBERING PROCEDURE





FEEDER ID	INCOVING	F1	F1 F(Spore)		F3
LINE	L1, L2, L3	F17572	L1,12,13	LI	L2
DEMAND LOAD	6.6 KW	3600 W	-	3000 W	-
CONSUMER LOAD (W)	-	9NO. WT	SPARE	2NO. SC	SPARE
CABLE/ SIZE-TYPE	CU/XLPE/S#A/PVC 4CX25	CU/XLPE/SWA/PVC 5X6	=	CU/XLPE/SWA/PVC 3X6	-

LIGHTING FIXTURE NUMBERING PROCEDURE

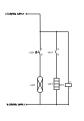
N: NORMAL E: EMERGENCY

SEQUENCE NUMBER FLC: FLUORESCENT LIGHTING LAMP FLF: FLUORESCENT LIGHTING LAMP LED: LIGHT EMITTED DIODE XF: EXPLOSION PROOF FLUORESCENT FIXTURE

IL: INCANDESCENT LAMP CM: CEILING MOUNTED EX: EXIT LIGHT FAN: EXHAUST FAN HB: HIGH BAY MT: METAL HALID SC: SOCKET SP-SC: SPLIT SOCKET

X- X- X

INSTALLATION	OUTDOOR
SHEET THICKNESS	2 mm
COLOR	RAL 7032
ACCESSIBILITY	FRONT
INC CONNECTION	воттом
OUT CONNECTIONS	воттоМ
INSTALLATION TYPE	SURFACE MOUNTED
IP CODE	IP 55
CANOPY	YES



CONTROL DIAGRAM

NOTES 1- INCOMING CABLE SIZE SHALL BE SELECTED ACC, TO THE LATEST REVISION OF CALCULATION NOTE FOR CABLE SIZING (BK-GCS-PEDCO-120-EL-CN-0003). 2- INCOMING FEEDER SHALL BE PROVIDED WITH CURRENT LIMITTING SYSTEM

AUTOMATIC CIRCUIT BREAKER MCCB WITH THERMAL MAGNET 4 POLE

\$ RCBO, RESIDUAL CIRCUIT BREAKER WITH OVER CURRENT PROTECTION

∅

SIGNAL LAMP

REFERENCE DRAWING DRG. No. ELECTRICAL OVERALL SINGLE LINE DIAGRAM BK-CCS-PEDCO-120-BU-SU-0001 LIGHTING & SMALL POWER LAYOUT FOR BK-DCS-PEDCO-120-EL-PY-0004

AREA LIGHTING & SMALL POWER LAYOUT BK-CCS-PEDCO-120-EL-PY-0003 DATA SHEETES FOR DISTRIBUTION & LICHTING PANELS BK-CCS-PEDCO-120-BL-DT-0016

							***	********	,	****	**,**	***
							REV.	DESCRIPTION	BY	DATE	BY	DATE
D00	JUN.2023	IPC	H.SHAKIBA	W.FAKHARIAN	V/VVIQUESCAL	80,00	KE*.	DESCRIPTION	CHE	CKED	REV.	APPR.
REV.	DATE	P.O.I.Ø	PREP.	CHK.	APP.	AUT.		طق نفت خيز جنوب ميباشد،	ه شرکت ملی منا	, آگلباس متعلق پ	غ این نقشه و حق	مل و کلیه نیا
DDO IDOR	MANITO.						1.	A				

PROJECT NO.: 971020 EPC CONTRACTOR: EPD/EPC CONTRACTOR (GC):

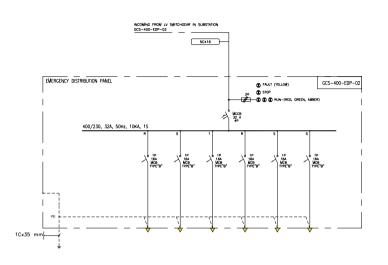
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

PETROIRAN DEVELOPMENT COMPANY

N.I.S.O.C./ FIELDS GAS COMPRESSOR STATION SCALE DRAWING BY CHECKED BY PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED DISTRIBUTION AND LIGHTING PANELS SINGLE LINE DIAGRAM APPROVED FOR CONSTRUCTION BY: SCALE SIZE SHEET NO. REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION DRAWING NO. NTS AS BK-GCS-PEDCO-120-EL-SL-0004 04 0F 08 D00 063-073-9184 F 2 P 709037 04 0F 08 D00

(VENDOR TITLE BLOCK)\*\*

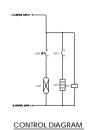


FEEDER ID	NCOMNS	F1	F2	F3	F4	F5	F6
LINE	11, 12, 13	LI	12	L3	Lí	L2	L3
DEMAND LOAD	3.144KW	144 <b>\</b>	-	2000 ₩	1000 W	-	-
CONSUMER LOAD (W)	-	2NO. FLF	SPARE	8NO. HB	4NO. HB	SPARE	SPARE
CABLE/ SIZE-TYPE	CU/XLPE/SWA/PVC 4CX16	CU/XLPE/SWA/PVC 3X4		CU/XLPE/SWA/PVC 3X4	CU/XLPE/SWA/PVC 3X4	-	-

X- X- X	
	SEQUENCE NUMBER
	FLC: FLUORESCENT LIGHTING LAMP FLF: FLUORESCENT LIGHTING LAMP LED: LIGHT EMITTED DIODE
	XF: EXPLOSION PROOF FLUORESCENT FIXTURE IL: INCANDESCENT LAMP
	CM: CEILING MOUNTED EX: EXIT LIGHT FAN: EXHAUST FAN
\	HB: HIGH BAY MT: METAL HALID SC: SOCKET
	SP-SC: SPLIT SOCKET
\	N: NORMAL
	E: EMERGENCY

LIGHTING FIXTURE NUMBERING PROCEDURE

INSTALLATION	OUTDOOR
SHEET THICKNESS	2 mm
COLOR	RAL 7032
ACCESSIBILITY	FRONT
INC CONNECTION	воттоМ
OUT CONNECTIONS	воттоМ
INSTALLATION TYPE	SURFACE MOUNTED
IP CODE	IP 55
CANOPY	YES



1- INCOMING CABLE SIZE SHALL BE SELECTED ACC, TO THE LATEST REVISION OF CALCULATION NOTE FOR CABLE SIZING (BK-GCS-PEDCO-120-EL-CN-0003). 2- INCOMING FEEDER SHALL BE PROVIDED WITH CURRENT LIMITTING SYSTEM

NOTES

AUTOMATIC CIRCUIT BREAKER MCCB WITH THERMAL MAGNET 4 POLE





RCBO, RESIDUAL CIRCUIT BREAKER WITH OVER CURRENT PROTECTION





FUSE

SIGNAL LAMP

REPERENCE DRAWING	DRG, No.
ELECTRICAL OVERALL SINGLE LINE DIAGRAM	BK-CCS-PEDCO-120-EL-SU-0001
LAGHTING & SMALL POWER LAYOUT FOR BUILDING & SHELTER	BK-GCS-PEDCO-120-BL-PY-0004
AREA LICHTING & SMALL POWER LAYOUT	BK-CCS-PEDCO-120-EL-PY-0003
DATA SHEETES POR DISTRIBUTION & LICENTING PANELS	BK-404-BE000-190-BI -DT-0018

KEY PLAN

							***	********	,	****	**,**	***
							REV.	DRSCRIPTION	BY	DATE	BY	DATE
D00	JUN.2023	IPC	H.#HAKIBA	W.FAKHARIAN	N. M. MARKET I	**,**	KEV.	DESCRIPTION	CHECKED		REV. APPR.	
REV.	DATE	P.O.I.Ø	PREP.	CHK.	APP.	AUT.		اطل نفت خيز جنوب ميباشد.	ه شرکت ملی منا	, آگلباس متعلق پ	غ این نقشه و حو	اصل و کلیه نما
PROJECT	NAME:	BINAK OILFIELD GA	DEVELOPMI S COMPRES	ENT/SURPAC	e pacilivie N	Ħ	THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH					IER WITH OF
PROJECT	NO.:		9710	20			49	Pa .	N.I.S.O.C	./ FIELD	\$	

PROJECT NO.: EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

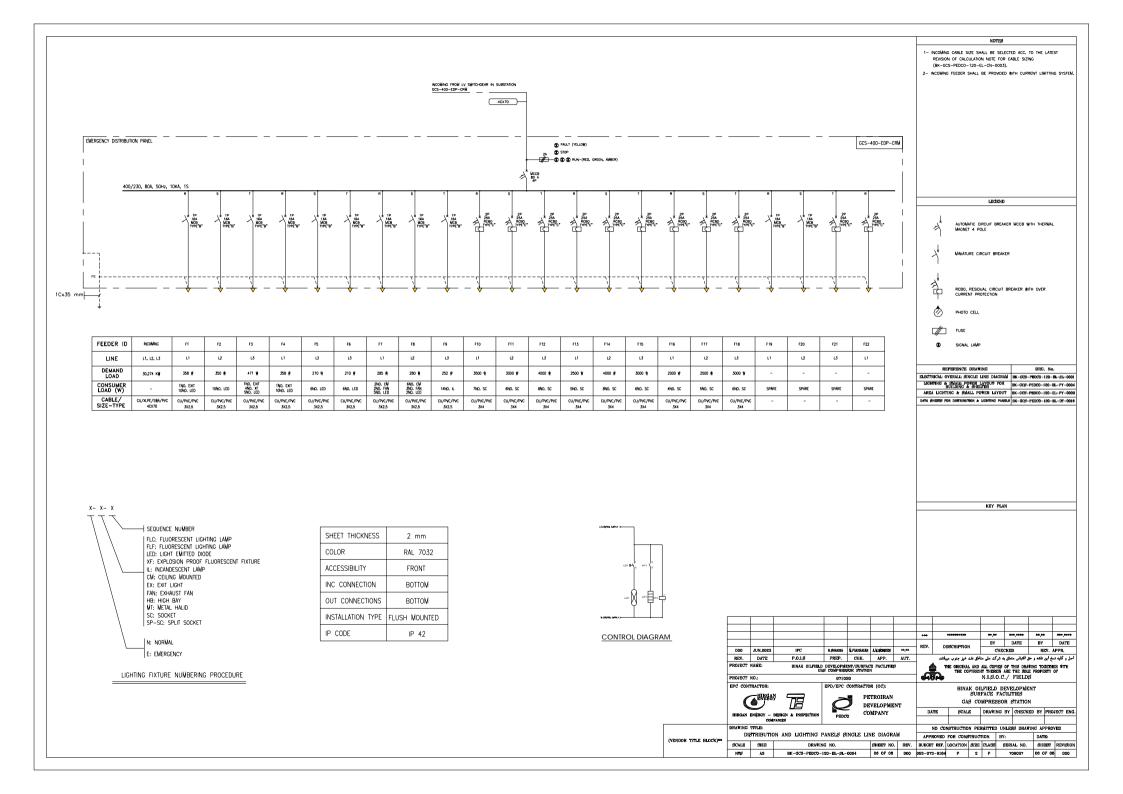
BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES

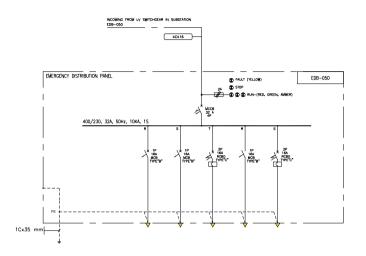
GAS COMPRESSOR STATION SCALE DRAWING BY CHECKED BY PROJECT ENG.

(VENDOR TITLE BLOCK)\*\*

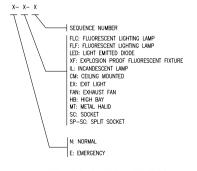
DISTRIBUTION AND LIGHTING PANELS SINGLE LINE DIAGRAM SCALE SEZE DRAWING NO. NTS AS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED APPROVED FOR CONSTRUCTION BY: DATE: SHEET NO. REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION BK-GCS-PEDCO-120-EL-SL-0004 05 0P 08 D00 063-073-9184 P 2 P 709037 05 0P 08 D00



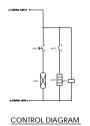


FEEDER ID	INCOVING	FI	F2	F3	F4	F5
LINE	L1, L2, L3	u	L2	L3	L1	L2
DEMAND LOAD	2,936KW	720 🛊	216 W	2000 W	-	-
CONSUMER LOAD (W)	-	4NO. FLC	12N0. IL	4NO. SC	SPARE	SPARE
CABLE/ SIZE-TYPE	CU/XLPE/S#A/PVC 4CX16	CU/PVC/PVC 3X2,5	CU/PVC/PVC 3X2,5	CU/PVC/PVC 3X4	-	-



LIGHTING FIXTURE NUMBERING PROCEDURE

SHEET THICKNESS	2 mm
COLOR	RAL 7032
ACCESSIBILITY	FRONT
INC CONNECTION	воттом
OUT CONNECTIONS	воттом
INSTALLATION TYPE	SURFACE MOUNTED
IP CODE	IP 42



D00 JUN.2023 REV. DATE PROJECT NAME: PROJECT NO.:

HANAKIBA WARAKHARIAN AMAMORSONI \*\*.\*\* P.O.I.S PREP. CHK. APP. AUT. BINAK OILPIELD DEVELOPMENT/SURPACE PACILITIES

GAS COMPRESSOR STATION 971020

DESCRIPTION اصل و کلیه نسخ این نقشه و حق اقتباس مثملق به شرکت ملی مناطق نفت خیز جنوب میباشد. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TODETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

REV.

GAS COMPRESSOR STATION

BY DATE BY DATE

CHECKED REV. APPR.

NOTES 1- INCOMING CABLE SIZE SHALL BE SELECTED ACC. TO THE LATEST REVISION OF CALCULATION NOTE FOR CABLE SIZING (BK-GCS-PEDCO-120-EL-CN-0003).

2- INCOMING FEEDER SHALL BE PROVIDED WITH CURRENT LIMITTING SYSTEM

AUTOMATIC CIRCUIT BREAKER MCCB WITH THERMAL MAGNET 4 POLE

RCBO, RESIDUAL CIRCUIT BREAKER WITH OVER CURRENT PROTECTION

ELECTRICAL OVERALL SINGLE LINE DIAGRAM BK-CCS-PEDCO-120-BU-SU-0001 LIGHTING & SMALL POWER LAYOUT FOR BUILDING & SHELTER

AREA LIGHTING & SHALL POWER LAYOUT BK-GCS-PEDCO-120-EL-PY-0003 DATA SHEETES FOR DISTRIBUTION & LICHTING PANELS BK-CCS-PEDCO-120-BL-DT-0018

DRG. No.

\$

∅ SIGNAL LAMP REFERENCE DRAWING

HIRGAN ENERGY - DESIGN & INSPECTI COMPANIES

EPC CONTRACTOR:

ON	PEDCO	PETROIRAN DEVELOPMEN COMPANY

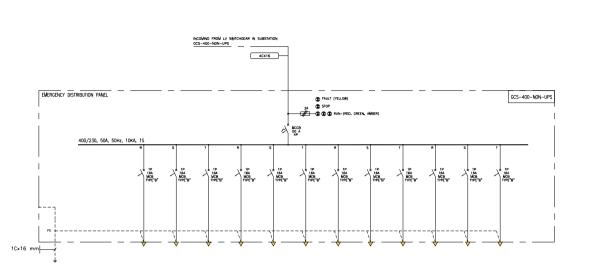
EPD/EPC CONTRACTOR (GC):

MENT DATE SCALE DRAWING BY CHECKED BY PROJECT ENG. NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

(VENDOR TITLE BLOCK)\*\*

DISTRIBUTION AND LIGHTING PANELS SINGLE LINE DIAGRAM LINE DIAGRAM APPROVED FOR CONSTRUCTION BY: DATE:

SHEET NO. REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION SCALE SIZE DRAWING NO. NVS A3 BK-GCS-PEDCO-120-EL-SL-0004 07 OF 08 D00 063-073-9184 F 2 P 709037 07 OF 08 D00



FEEDER ID	INCOMING	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
LINE	L1. 12. 13	u	12	u	u	L2	L3	L1	L2	1.3	ut	L2	L3
DEMAND LOAD	7,18 KW	640 #	480 #	480 🛊	160 \$	160 ₩	160 W	160 🛊	320 ₩	320 ★	3500 #	-	-
CONSUMER LOAD (W)	-	CABINET UTLITIES FOR PCS (HEATER, SCICKET/FAULIGHT)	CABAST UTLINES FOR ESD (HEATER, SCONET/FAULDAT)	CABAGET UTILITIES FOR FAG (HEATER, SOCKELFARLIGHT)	CABNET UTLITES FOR GAS COMPRESSOR UCP (HEATER, SOCKET , FINLUGHT)	CABINET UTILITIES FOR DEHICRATION BINS (IF ANY)(HEATER, SCICKET , FAN, LIGHT)	CABAST UTUTIES FOR TOTAL FLOODING UCP (HEATER-SOCKET FANCESHT)	CABINET UTLITIES FOR PROME CABINET (HEATER-SOCKET JAMES (HEATER)	CABNET UNLINES FOR AIR COMPRESSOR UCP (HEATER-SCOKET JAMLUGHT)	CABACT UTLITES FOR INTROCEN PACKACE UCP (HEATER, SCORET JANJUGHT)	CONTROL DESK SOCKETS	SPARE	SPARE
CABLE/ SIZE-TYPE	CU/XLPE/S#A/PVC 4CX16	01/P/C/P/C 542.5	01/PYC/PYC 312.5	01/PVC/PVC 3K2.5	CU/PVC/PVC 3K2.5	CU/PI/C/PI/C 592.5	CU/PVC/PVC 5×2.5	CU/PYC/PYC 312.0	0J/PJC/PJC 342.5	0J/PyC/PyC 3K2.5	CU/PYC/PYC 364	-	-

SHEET THICKNESS	2 mm
COLOR	RAL 7032
ACCESSIBILITY	FRONT
INC CONNECTION	воттоМ
OUT CONNECTIONS	воттоМ
INSTALLATION TYPE	FLUSH MOUNTED
IP CODE	IP 42

NOTES 1- INCOMING CABLE SIZE SHALL BE SELECTED ACC, TO THE LATEST REVISION OF CALCULATION NOTE FOR CABLE SIZING (BK-GCS-PEDCO-120-EL-CN-0003).

2- INCOMING FEEDER SHALL BE PROVIDED WITH CURRENT LIMITTING SYSTEM.

AUTOMATIC CIRCUIT BREAKER MCCB WITH THERMAL MAGNET 4 POLE





RCBO, RESIDUAL CIRCUIT BREAKER WITH OVER CURRENT PROTECTION





SIGNAL LAMP

REPERENCE DRAWING	DRG, No.
ELECTRICAL OVERALL SINGLE LINE DIAGRAM	BK-CCS-PBDC0-120-BL-SU-0001
LIGHTING & SMALL POWER LAYOUT FOR BUILDING & SHELTER	BK-GCS-PE0C0-120-EL-PY-0004
AREA LIGHTING & SMALL POWER LAYOUT	BK-CCS-PBDC0-120-EL-PY-0003
DATA SHEETER POR DISTRIBUTION & LICHTING PANELS	BK_CCSL_BEDCO_120_BL_DT_0018

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							REV.	DESCRIPTION	BY	DATE	BY	DATE
D00	JUN.2023	IPC	H.#HAKIBA	W.FAKHARIAN	N. M. MARKET I	**,**	MET.	DESCRIPTION	CHECKED		REV. APPR.	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	كلم شخ أب تقد و حد أقدام منطق به شاكت مل مناطق نفت خيا حدب مساعد					

PROJECT NAME: BINAK OILPIELD DEVELOPMENT/SURPACE PACILIVIES GAS COMPRESSOR STATION PROJECT NO.: 971020

EPC CONTRACTOR: **ENERAL** HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

PEDCO

EPD/EPC CONTRACTOR (CC): PETROIRAN DEVELOPMENT COMPANY

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GAS COMPRESSOR STATION SCALE DRAWING BY CHECKED BY PROJECT ENG. NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

(VENDOR TITLE BLOCK)\*\*

DISTRIBUTION AND LIGHTING PANELS SINGLE LINE DIAGRAM N AND LIGHTING PANELS SINGLE LINE DIAGRAM

DRAWING NO.

SHEET NO. REV. BUDGET REV. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION SCALE SIZE NYS AS BK-GCS-PEDCO-120-BL-SL-0004 08 0F 08 D00 063-073-9184 P 2 P 709037 08 0F 08 D00