

## NOTES

- 1- ALL AMMETERS OF MOTORS HAVE TO BE 6xIn.
- 2- CATEGORY DESCRIPTION:
- F1: SIMPLE 4-POLE MCCB FEEDER WITH THERMAL/MAGNETIC TRIPS, FOR I<63A FEEDERS.
- F2: SIMPLE 4-POLE MCCB FEEDER WITH THERMAL/MAGNETIC TRIPS, FOR 63A=<I<100A FEEDERS.
- F3: SIMPLE 4-POLE MCCB FEEDER WITH THERMAL/MAGNETIC TRIPS, FOR 100A=<I FEEDERS.
- F4: SIMPLE 3-POLE MCCB FEEDER WITH THERMAL/MAGNETIC TRIPS. FOR I<63A FEEDERS
- F5: SIMPLE 3-POLE MCCB FEEDER WITH THERMAL/MAGNETIC TRIPS, FOR 63A=<I<100A FEEDERS.
- F6: SIMPLE 3-POLE MCCB FEEDER WITH THERMAL/MAGNETIC TRIPS, FOR 100A=<I FEEDERS
- F7: SIMPLE 2-POLE MCCB FEEDER FOR FEEDING SINGLE PHASE LOADS (PH+N OR 2-PH)
- M1: DIRECT ON LINE MOTOR STARTER FEEDERS FOR P < 4kW, (SWITCH FUSE+CONTACTOR+BIMETAL+R/L SIGNALING)
- M2: DIRECT ON LINE MOTOR STARTER FEEDERS FOR 4kW < P < 18.5kW, (FUSE+CONTACTOR+BIMETAL+R/L SIGNALING+R/L AMMETER)
- M3: DIRECT ON LINE MOTOR STARTER FEEDERS FOR 18.5kW ≤ P<30kW, (SWITCH FUSE+CONTACTOR+OVERLOAD RELAY +R/L SIGNALING+R/L AMMETER+EARTH LEAKAGE RELAY+PHASE CONTROL)
- M4: DIRECT ON LINE MOTOR STARTER FEEDERS FOR 30kW ≤ P

  (SWITCH FUSE + CONTACTOR + R/L SIGNALING+ R/L AMMETER+MOTOR PROTECTION RELAY
- 3- CORE BALANCE CT RATING OF EARTH LEAKAGE RELAYS SHALL BE ACCORDING TO RELAY MANUFACTURER STANDARD.
- 4- VOLTAGE AND CURRENT TRANSFORMERS SHALL HAVE APPROPRIATE VA.
- 5- THIS SWITCHGEAR SHALL BE DESIGNED, MANUFACTURED, INSPECTED AND TESTED IN ACCORDING WITH THE APPLICABLE SECTION OF IPS-E-EL-100(1) & IPS-E-EL-143(3)
- 6- ALL SWITCH FUSES SHALL BE EQUIPPED WITH STRIKER PIN
- 7- ALL EQUIPMENT SIZING SHALL BE FINALIZED BY MANUFACTURER BASED ON SITE CONDITION. IN ADDITION, TYPE 2 OF COORDINATION SHALL BE FOLLOWED BY VENDOR.
- 8- CONTROL CIRCUIT VOLTAGE FOR OUTGOING IS 230 VAC WHICH WILL BE SUPPLIED FOR EACH LV CUBICLE. IN OTHER WORDS FOR EACH LV CUBICLE ONE ISOLATED DRY TYPE TRANSFORMER SHALL BE CONSIDERED BY VENDOR.
- 9- AN INTERLOCK WILL BE CONSIDERED BETWEEN CAPACITOR BANK & DIESEL GENERATOR BY VENDOR. WHEN DIESEL IS RUNNING, CAPACITOR BANK SHALL NOT BE IN SERVICE.
- 10- ALL INCOMING & OUTGOING FEEDERS WILL BE EQUIPPED WITH EMERGENCY MUSHROOM PUSH BUTTON.
- 11- CABLE SIZING SHALL BE ACCORDING TO "BK-SSGRL-PEDCO-110-EL-CN-0005".
- 12- THIS DRAWING IS VALID FOR ALL 6 NUMBER SWITCHGEAR OF WELLS AS BELOW:
- WELL NUMBER BK-12
- WELL NUMBER W-007
- WELL NUMBER BK-15
- WELL NUMBER BKW-046
- WELL NUMBER BK-05
- WELL NUMBER BK-14
- 13- THE INCOMING VOLTAGE OF TRANSFORMER FOR WELL NUMBER BK-14 IS 33 KV & THEREFORE ONLY THIS TRANSFORMER DIFFER FROM OTHER WELLS.
- 14- ALL FUSES SHALL BE EQUIPPED WITH STRIKER PIN
- 15- FOR FEEDER WITH TYPE M4, CURRENT AND VOLTAGE FAULT SHALL BE CONSIDERED SEPARATELY BY VENDOR.
- 16- EMERGENCY STOP & START PUSH BUTTON SHALL BE CONSIDERED ON INCOMINGS & BUS-TIES.
- 17- ACB WITH BUILT-IN PROTECTION BE CONSIDERED FOR INCOMING AND DG FEEDERS
- 18- SELECTOR VOLT SWITCH SHALL BE 7 POSITION
- 19- OUTGOING FEEDERS SHALL BE EQUIPPED WITH ROTARY SWITCH (DISCONNECTOR) TO ON/OFF CBs ON FRONT OF CELL.

D08	3803.NAL	IPA	H.SMAKIBA	V.PAKHARIAN	W.VEHRSHAD								
D05	10F5055	IPA	H.SMAKIBA	V.PAKHARIAN	W.VEHRSHAD	**,**	***	********	,	****	**,**	***	
D01	APR.2022	IPA	H.SMAKIBA	V.PAKHARIAN	W.VEHRSHAD	**,**	REV.	DRSCRIPTION	BY	DATE	BY	DATE	
D00	FEB.2022	IPC	H,SMAKIBA	V.PAKHARIAN	W.WEHRSHAD	**,**	KEV.	REV. DESCRIPTION		CKED	REV.	APPR.	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کلیه نسخ این نقشه و حتی اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.						

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES

PROJECT NO.: 971020



	PETROIRAN DEVELOPMEN
PEDCO	COMPANY

CO: BINAK OILFIELD DEVELOPMENT
SUB-SURFACE WORK PACKAGES

LOPMENT
ANY DATE SCALE DRAWING BY CHECKED BY PROJECT ENG

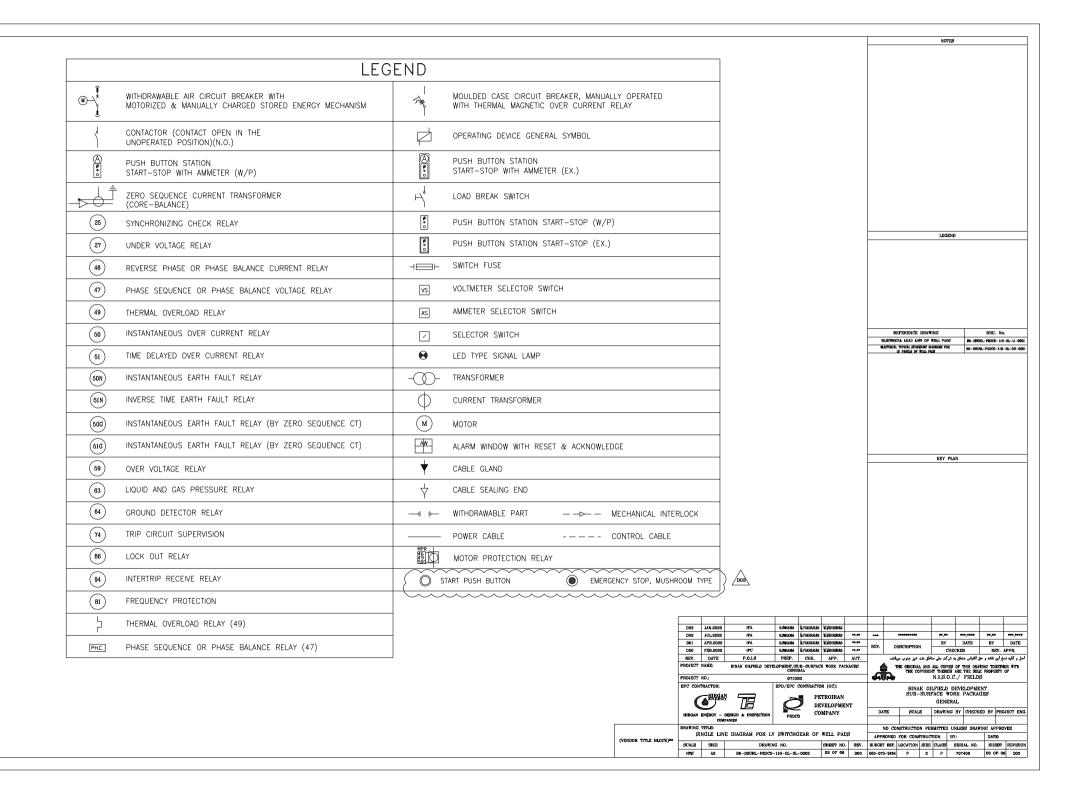
BLECVRICAL LOAD LIST OF VELL PADS

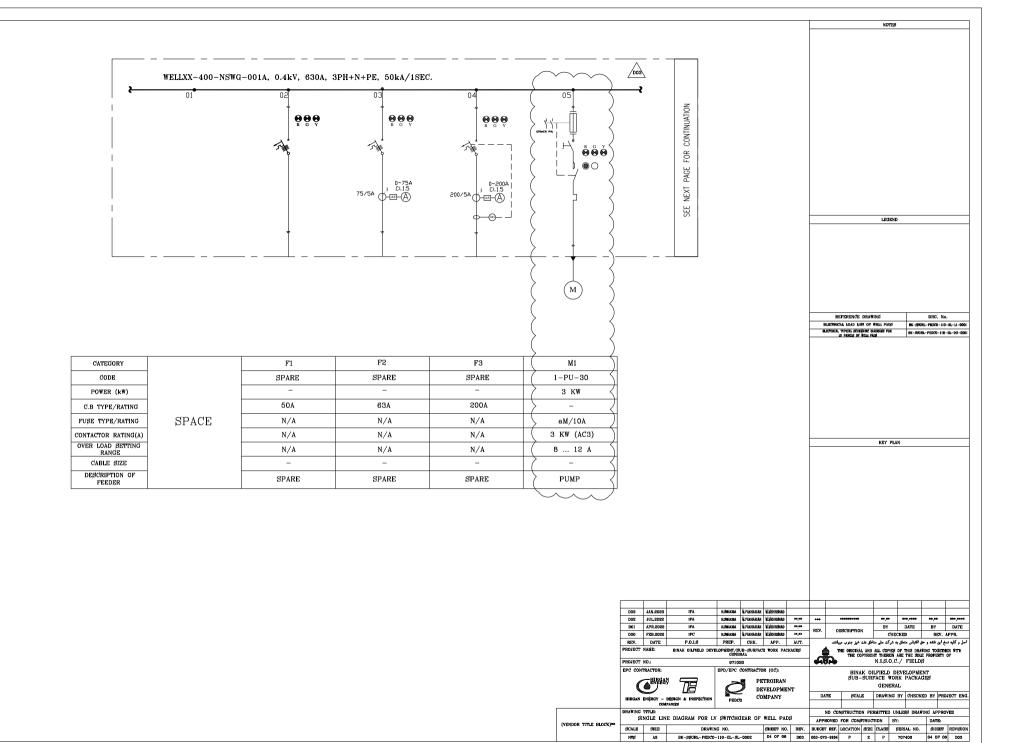
KEY PLAN

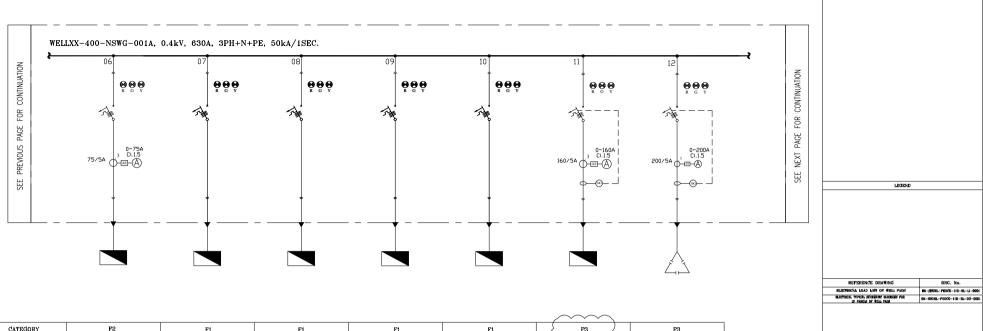
NISOC / FIELDS

BK-89381-PRIXSO-110-81/-14-00

	COM	PANIES											
DRAWING TOTAL					,	No do	NSTRUCTIO	N PER	RMITTEI	UNLES	S DRAWIN	d APPRO	VED
SINGL	E LIN	E DIAGRAM FOR L	V SWITCHGEAR OF	WELL PAD	5	APPROVED	FOR CONS	TRUC	MOIN	BY:		DATE:	
SCALE S	SIZE	DRAWII	NG NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERI	AL NO.	SHEET	REVI







CATEGORY	F2	F1	F1	F1	F1	(	F3		F3
CODE	WELDING SOCKET	WELLXX-110-CHG-001	WELLXX-110-CHG-002	WELLXX-DP01	WELLXX-DP02		1-PU-40		ďВ
POWER (kW)	-	3	3	10	15		75 KW <		50 KVAR
C.B TYPE/RATING	63A	16	16	32	50	(	160 A		200 A
FUSE TYPE/RATING	N/A	N/A	N/A	N/A	N/A	(	) N/A {		N/A
CONTACTOR RATING (A)	N/A	N/A	N/A	N/A	N/A	(	N/A		N/A
OVER LOAD SETTING RANGE	N/A	N/A	N/A	N/A	N/A	(	N/A	_	N/A
CABLE SIZE	-	-	-	-	-	(	- }		-
DESCRIPTION OF FEEDER	WELDING SOCKET OUTDOOR AREA	110VDC CHARGER 1	110VDC CHARGER 2	DISTRIBUTION PANEL FOR SWITCHGEAR & OUTDOOR AREA	DISTRIBUTION PANEL FOR GUARD HOUSE	(	ELECTRICAL VFD FOR IRP PUMP	_	CAPACITOR BANK

D08	JAN.2028	IFA	H.SMAXIBA	W.PAKHARIAN	N.VEHRSHAD									
D05	10F5055	IPA	H.SMAXIBA	W.Fakharian	W.WEHRSHAD	****	***	*********	**,**	****	**,**	****		
D01	APR.2022	IPA	H.SMAXIBA	W.Fakharian	W.WEHRSHAD	***	REV.	DESCRIPTION	BY	DATE	BY	DATE		
D00	FEB,2022	IPC	H,SMAXIBA	W.FAKHARIAN	W.VEHRSHAD	10,00	KEV.	REV. DESCRIPTION		. DESCRIPTION CHECKED		CKED	REV.	APPR.

REV. DATE P.O.LS PREP. CHK. APP. AUT.
PROJECT NAME: BINAK OLIPIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BINAK OILFIELD DEVELOPMENT/SUB-SURPACE WORK PACKAGES
GENERALI PROJECT NO.: 971020

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

PEDCO

EPD/EPC CONTRACTOR (CC): PETROIRAN DEVELOPMENT COMPANY

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KEY PLAN

(DOR TITLE BLOCK)**	DRAWING		E DIAGRAM	FOR I	LV SWITCHGEAR	OF WELL	PADS	į
	SCALE	Size		DRAW	ING NO.	SHEET	NO,	_

DRAWING					NO CO	NSTRUCTIO	N PER	MITTEI	UNLESS DRAWIN	Id APPROV	/ED
SI	NGLE LIN	E DIAGRAM FOR LV SWITCHGEAR OF	WELL PADS	3	APPROVED	FOR CONS	TRUCT	אסוי	BY:	DATE:	
SCALE	Size	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
NTS	AS	BK-SSGRL-PEDCO-110-EL-SL-0002	05 OF 06	D03	063-073-9184	P	2	P	707408	06 OF 06	D03

REFERENCE DRAWING

(VEND

