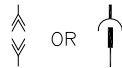
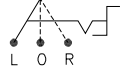
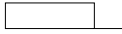
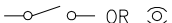


ELECTRICAL TYPICAL SCHEMATIC DIAGRAMS FOR MV PANEL

ITEM No.	SYMBOLS	DESCRIPTION	ITEM No.	SYMBOLS	DESCRIPTION
01		VOLTAGE TRANSFORMER	20		THERMO SWITCH
02		CURRENT TRANSFORMER	21		OPERATING MECHNISM
03		CURRENT TRANSFORMER (RING TYPE)	22		SIGNAL LAMP
04		CORE BLANCD C.T.	23		DRAW OUT UNIT
05		CIRCUIT BREAKER	24		AMMETER
06		NORMALLY OPEN / CLOSE CONTACT	25		VOLTMETER
07		LIMIT SWITCH	26		AMMETER SWITCH
08		DISCONNECTOR (ISOLATOR)	27		VOLTMETER SWITCH
09		CONTACTOR	28		BUS BAR
10		START/STOP PUSH BUTTON	29		OPERATING BY TURNING
11		EARTHING SWITCH	30		THREE POSITION LATCH TYPE SELECTOR SWITCH
12		THERMAL RELAY	31		LATCH
13		COIL	32		KILO WATT HOUR METER
14			33		RELAY (NUMBER IN THE SYMBOLS INDICATES)
15		TWO POLE MINIATURE CIRCUIT BREAKER	34		FUSE GENERAL SYMBOL
16		TWO POLE EARTH LEAKAGE MINIATURE CIRCUIT BREAKER	35		ELECTRICAL HEATER
17		THREE POSITION SELECTOR SWITCH	36		CABLE NUMBER INDICATION
18		CABLE GLAND	37		TESTING TERMINAL
19		TERMINAL	38		OPERATING BY ELECTRIC MOTOR

NOTES	
1- MAX. TWO WIRES SHOULD BE CONNECTED TO ONE TERMINAL.	
2- PANEL HEATER SHOULD BE INSTALLED IN SUITABLE POSITION.	
3- THE BURDEN OF C.T. & V.T. SHOULD BE FINALIZED BY PANEL MANUFACTURE.	
A	AMPERE ABBREVIATION
M	MOTOR
AS	AMMETER SWITCH
CT	CURRENT TRANSFORMER
Hz	HERTZ
IP	DEGREE OF PROTECTION BY ENCLOSURE
KA	KILO AMPERE
KV	KILO VOLT
KW	KILO WATT
MV	MEDIUM VOLTAGE
VS	VOLTMETER SWITCH
VI	VOLTAGE TRANSFORMER
KVA	KILOVOLT-AMPERE
KWH	KILOWATT-HOUR
VCB	VACUUM CIRCUIT BREAKER
TCS	TRIP COIL SUPERVISION
KVAR	KILOVAR
SWGR	SWITCH GEAR

REFERENCE DRAWING	DRG. No.
ELECTRICAL LOAD LIST	BK-GCS-PEDCO-120-EL-LI-0001
EXISTENT MV SWITCHGEAR EXPANSION SINGLE LINE DIAGRAM	BK-GCS-PEDCO-120-EL-SL-0003

D07	AUG.2024	PI	H.SHAKIBA	M.FAKHARIAN	M.SHERGHAN	**..
D06	SEP.2023	PI	H.SHAKIBA	M.FAKHARIAN	S.PARMAKZPOUR	**..
D05	MAY.2023	IFT	H.SHAKIBA	M.FAKHARIAN	A.M.MOHSSENI	**..
D04	DEC.2022	IFT	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**..
D03	JUL.2022	IFT	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**..
D02	APR.2022	IFT	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**..
D01	MAR.2022	IFT	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**..
D00	JAN.2022	IFT	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**..
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION	
PROJECT NO.:		971020	
EPC CONTRACTOR:		EPD/EPC CONTRACTOR (GC):	
 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES		 PETROIRAN DEVELOPMENT COMPANY	

DRAWING TITLE: ELECTRICAL TYPICAL SCHEMATIC DIAGRAMS FOR MV PANEL					
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.
N.T.S	A3	BK-GCS-PEDCO-120-EL-DG-0001	02 OF 07	D07	053-073-9184

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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BINAK OILFIELD DEVELOPMENT

SURFACE FACILITIES

GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION			BY:	DATE:	
BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION
063-073-9184	F	2 P	708040	02 OF 07	D07

ITEM No.	SYMBOLS	DESCRIPTION	ITEM No.	SYMBOLS	DESCRIPTION
39		LIGHTING ARRESTER OR SURGE ARRESTER	58		INSTANTANEOUS OVER CURRENT RELAY
40		AMMETER TRANSDUCER	59		AC TIME OVER CURRENT RELAY
41		VOLT TRANSDUCER	60		SENSITIVE EARTH FAULT RELAY
42		KILO WATT TRANSDUCER	61		INSTANTANEOUS EARTH FAULT RELAY
43		KILO VAR TRANSDUCER	62		AC INVERSE TIME EARTH FAULT RELAY
44		POWER FACTOR TRANSDUCER	63		TRIP COIL SUPERVISION RELAY
45		POWER FACTOR METER	64		LOCK OUT RELAY
46		WATT METER	65		TOO FREQUENT START RELAY
47		VAR METER	66		WINDING OVER TEMPERATURE RELAY
48		CLOSING COIL	67		LOCKED ROTOR RELAY
49		SHUNT TRIP	68		INTERTRIP RECEIVE RELAY
50		AUXILIARY RELAY	69		OIL Thermal Device OR Winding Thermal Device
51		AUXILIARY RELAY	70		Pressure Switch Detecto
52		UNDER VOLTAGE RELAY	71		Liquid Switch
53		INDUCED VOLTAGE RELAY	72		
54		POSITION SWITCH	73		
55		BEARING PROTECTIVE DEVICE	74		
56		REVERSE-PHASE OR PHASE- BALANCE CURRENT RELAY	75		
57		MACHINE THERMAL RELAY	76		

- NOTES
- 1- MAX. TWO WIRES SHOULD BE CONNECTED TO ONE TERMINAL.
- 2- PANEL HEATER SHOULD BE INSTALLED IN SUITABLE POSITION.
- 3- THE BURDEN OF C.T. & V.T. SHOULD BE FINALIZED BY PANEL MANUFACTURE.

A	AMPERE	ABBREVIATION
M	MOTOR	
AS	AMMETER SWITCH	
CT	CURRENT TRANSFORMER	
Hz	HERTZ	
IP	DEGREE OF PROTECTION BY ENCLOSURE	
KA	KILO AMPERE	
KV	KILO VOLT	
KW	KILO WATT	
MV	MEDIUM VOLTAGE	
VS	VOLTMETER SWITCH	
VI	VOLTAGE TRANSFORMER	
KVA	KILOVOLT-AMPERE	
KWH	KILOWATT-HOUR	
VCB	VACUUM CIRCUIT BREAKER	
TCS	TRIP COIL SUPERVISION	
KVAR	KILOVAR	
SWGR	SWITCH GEAR	

REFERENCE DRAWING	DRG. No.
ELECTRICAL LOAD LIST	BK-GCS-PEDCO-120-EL-LI-0001
EXISTENT MV SWITCHGEAR EXPANSION SINGLE LINE DIAGRAM	BK-GCS-PEDCO-120-EL-SL-0003

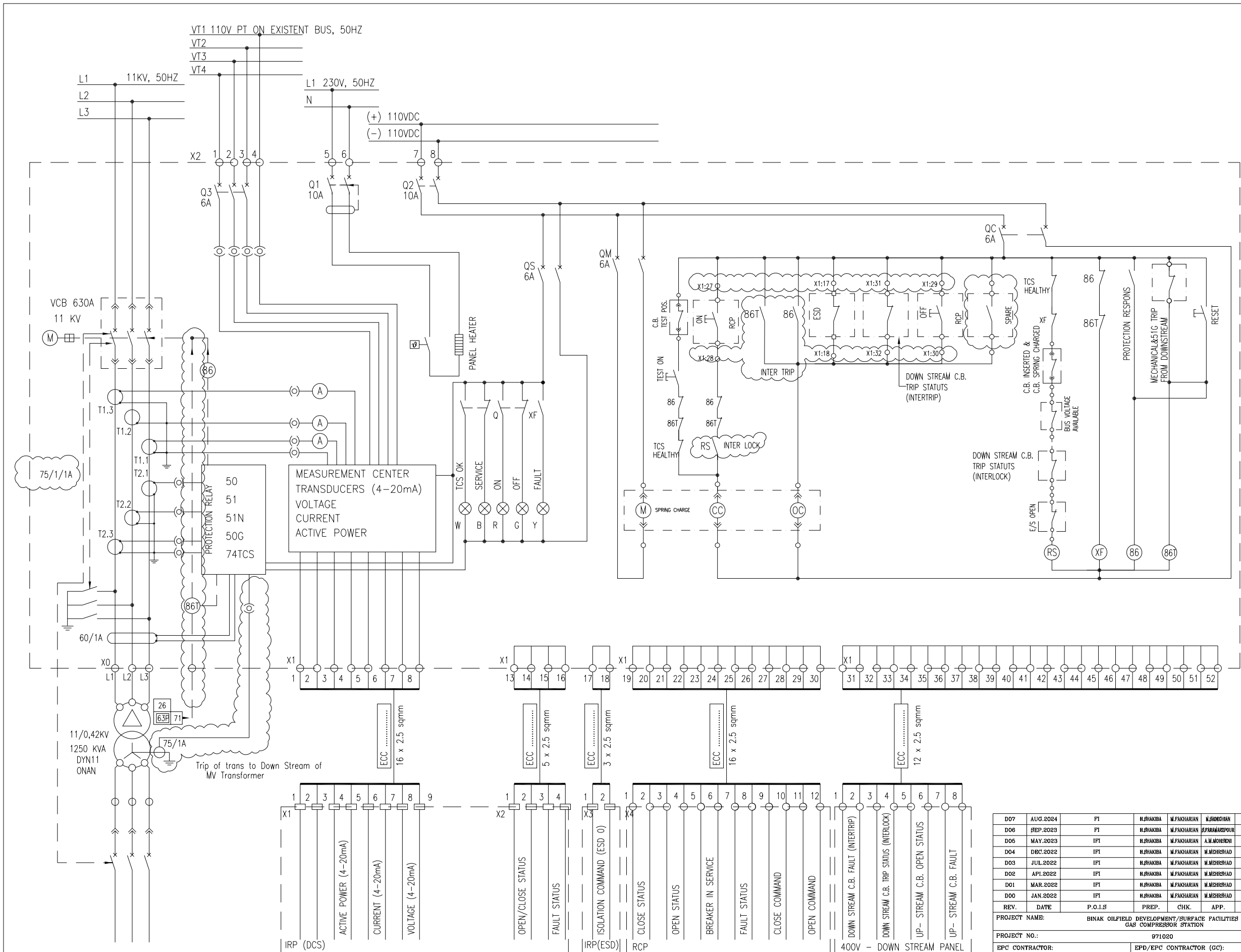
D07	AUG.2024	FI	H.SHAKIBA	M.FAKHARIAN	M.SHOOSHAN	** **
D06	SEP.2023	FI	H.SHAKIBA	M.FAKHARIAN	S.PARMAZPOUR	** **
D05	MAY.2023	IFI	H.SHAKIBA	M.FAKHARIAN	A.M.MOHSENI	** **
D04	DEC.2022	IFI	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **
D03	JUL.2022	IFI	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **
D02	APR.2022	IFI	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **
D01	MAR.2022	IFI	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **
D00	JAN.2022	IFI	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION	
PROJECT NO.:		971020	
EPC CONTRACTOR:		EPD/EPC CONTRACTOR (GC):	
 HIRGAN ENERGY - DESIGN & INSPECTION		  PETROIRAN DEVELOPMENT COMPANY	

DRAWING TITLE: ELBCTRICAL TYPICAL SCHEMATIC DIAGRAMS FOR MV PANEL					
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.
N.T.S	A3	BK-GCS-PEDCO-120-EL-DG-0001	03 OF 07	D07	053-073-9184
					F
					2
					P
					709040
					03 OF 07
					D07

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REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION			BY: DATE:		
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.
N.T.S	A3	BK-GCS-PEDCO-120-EL-DG-0001	03 OF 07	D07	053-073-9184
					F
					2
					P
					709040
					03 OF 07
					D07

(VENDOR TITLE BLOCK)**



LV TRANSFORMER OUTGOING: TYPE C2

- NOTES**
- 1- MAX. TWO WIRES SHOULD BE CONNECTED TO ONE TERMINAL.
 - 2- PANEL HEATER SHOULD BE INSTALLED IN SUITABLE POSITION.
 - 3- THE BURDEN OF C.T. & V.T. SHOULD BE FINALIZED BY PANEL MANUFACTURE.
 - 4- IN THE CASE OF MECHANICAL TRIP OF TRANSFORMER, SIGNAL RELAY 86 SHALL BE SENT TO DOWNSTREAM. IN OTHER WORDS VCB & ACB SHALL BE TRIPPED.
 - 5- FOR FIRE WATER PUMP WHICH WILL BE FED FROM, 11/3.3 KV TRANSFORMER, A VOLTMETER SHALL BE CONSIDERED ON 3.3 SWITCHGEAR.
 - 6- VOLTAGE & CURRENT SAMPLE FOR CAPACITOR BANKS OF COMPRESSORS SHALL BE CONSIDERED BY VENDOR.
 - 7- SUPPLY VOLTAGE 230 VAC FOR CIRCUIT LIGHTING, SOCKET, SHALL BE CONSIDERED SEPARATELY MCB BY VENDOR. ALSO SUPPLY VOLTAGE 110 VDC FOR CIRCUIT METERING AND PROTECTION, MOTOR SPRING CHARGE, CLOSE AND OPEN COIL, INDICATION, SHALL BE CONSIDERED SEPARATELY MCB BY VENDOR.
 - 8- CAPACITIVE VOLTAGE INDICATOR SHALL BE CONSIDERED FOR MV FEEDERS.
 - 9- CIRCUIT BREAKERS STATUS SHALL BE SENT TO BOTH DCS AND RCP.
 - 10- PROTECTIVE RELAYS AND MEASURING UNIT SHALL BE EQUIPPED WITH RS 485 TO SEND SIGNALS BY SERIAL LINK.
 - 11- MOTOR RTD SIGNALS WILL BE SENT TO UCP.

ABBREVIATION	
A	AMPERE
M	MOTOR
AS	AMMETER SWITCH
CT	CURRENT TRANSFORMER
Hz	HERTZ
IP	DEGREE OF PROTECTION BY ENCLOSURE
KA	KILO AMPERE
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KW	KILO WATT
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VS	VOLTMETER SWITCH
VI	VOLTAGE TRANSFORMER
KVA	KILOVOLT-AMPERE
KWH	KILOWATT-HOUR
VCB	VACUUM CIRCUIT BREAKER
TCS	TRIP COIL SUPERVISION
KVAR	KILOVAR
SWGR	SWITCH GEAR

REFERENCE DRAWING	DRG. No.
ELECTRICAL LOAD LIST	BK-GCS-PEDCO-120-EL-LJ-0001
EXISTENT MV SWITCHGEAR EXPANSION SINGLE LINE DIAGRAM	BK-GCS-PEDCO-120-EL-SL-0003

D07	AUG.2024	PT	H.SHAHBA	M.FAKHARIAN	M.SHOUBHAN	**
D06	SEP.2023	PT	H.SHAHBA	M.FAKHARIAN	S.PARMAKZPOUR	**
D05	MAY.2023	IFT	H.SHAHBA	M.FAKHARIAN	A.M.MOHSEN	**
D04	DEC.2022	IFT	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
D03	JUL.2022	IFT	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
D02	APR.2022	IFT	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
D01	MAR.2022	IFT	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
D00	JAN.2022	IFT	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION	
PROJECT NO.:		971020	
EPC CONTRACTOR:		EPD/EPC CONTRACTOR (GC):	
 			
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		PEDCO	

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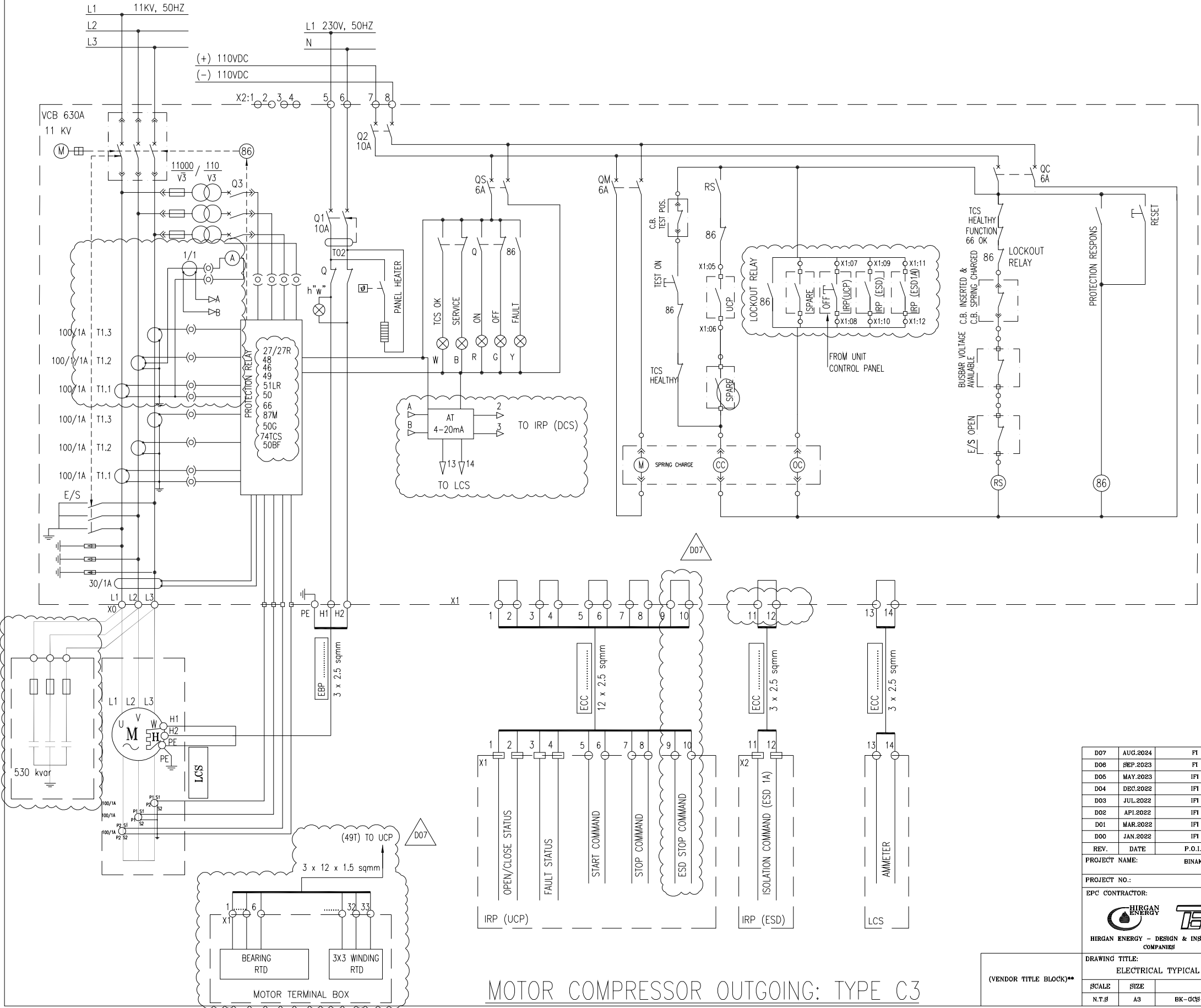
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION				BY:	DATE:	SHEET	REVISION
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.			
053-073-9184	F	2	P	709040		04 OF 07	D07



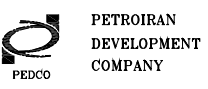
MOTOR COMPRESSOR OUTGOING: TYPE C3

- NOTES**
- 1- MAX. TWO WIRES SHOULD BE CONNECTED TO ONE TERMINAL.
 - 2- PANEL HEATER SHOULD BE INSTALLED IN SUITABLE POSITION.
 - 3- THE BURDEN OF C.T. & V.T. SHOULD BE FINALIZED BY PANEL MANUFACTURE.
 - 4- IN THE CASE OF MECHANICAL TRIP OF TRANSFORMER, SIGNAL RELAY 86 SHALL BE SENT TO DOWNSTREAM. IN OTHER WORDS VCB & ACB SHALL BE TRIPPED.
 - 5- FOR FIRE WATER PUMP WHICH WILL BE FED FROM, 11/3.3 KV TRANSFORMER, A VOLTMETER SHALL BE CONSIDERED ON 3.3 SWITCHGEAR.
 - 6- VOLTAGE & CURRENT SAMPLE FOR CAPACITOR BANKS OF COMPRESSORS SHALL BE CONSIDERED BY VENDOR.
 - 7- SUPPLY VOLTAGE 230 VAC FOR CIRCUIT LIGHTING , SOCKET , SHALL BE CONSIDERED SEPARATELY MCB BY VENDOR.ALSO SUPPLY VOLTAGE 110 VDC FOR CIRCUIT METERING AND PROTECTION , MOTOR SPRING CHARGE , CLOSE AND OPEN COIL , INDICATION , SHALL BE CONSIDERED SEPARATELY MCB BY VENDOR
 - 8- CAPACITIVE VOLTAGE INDICATOR SHALL BE CONSIDERED FOR MV FEEDERS.
 - 9- CIRCUIT BREAKERS STATUS SHALL BE SENT TO BOTH DCS AND RCP.
 - 10- PROTECTIVE RELAYS AND MEASURING UNIT SHALL BE EQUIPPED WITH RS 485 TO SEND SIGNALS BY SERIAL LINK.
 - 11- MOTOR RTD SIGNALS WELL BE SENT TO UCP.

ABBREVIATION	
A	AMPERE
M	MOTOR
AS	AMMETER SWITCH
CT	CURRENT TRANSFORMER
Hz	HERTZ
IP	DEGREE OF PROTECTION BY ENCLOSURE
KA	KILO AMPERE
KV	KILO VOLT
KW	KILO WATT
MV	MEDIUM VOLTAGE
VS	VOLTMETER SWITCH
VI	VOLTAGE TRANSFORMER
KVA	KILOVOLT-AMPERE
KWH	KILOWATT-HOUR
VCB	VACUUM CIRCUIT BREAKER
TCS	TRIP COIL SUPERVISION
KVAR	KILOVAR
SWGR	SWITCH GEAR

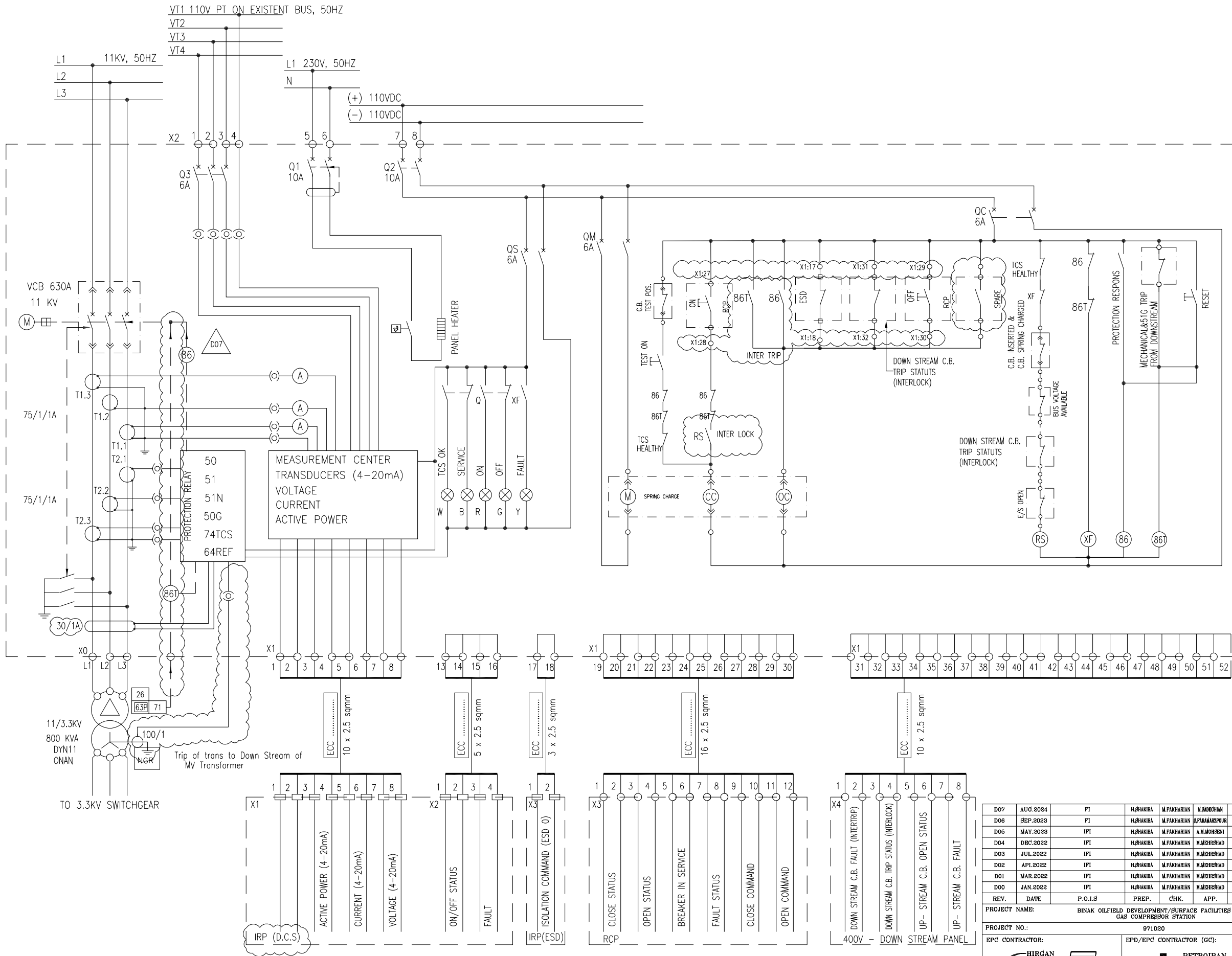
REFERENCE DRAWING	DRG. No.
ELECTRICAL LOAD LIST	BK-GCS-PEDCO-120-EL-L1-0001
EXISTENT MV SWITCHGEAR EXPANSION SINGLE LINE DIAGRAM	BK-GCS-PEDCO-120-EL-BL-0003

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D07	AUG.2024	FI	H.SHAHBA	M.PAKHARIAN	M.SADIGHAN	**
D06	SEP.2023	FI	H.SHAHBA	M.PAKHARIAN	S.PARMAZPOUR	**
D05	MAY.2023	IFI	H.SHAHBA	M.PAKHARIAN	A.M.MOHESEN	**
D04	DEC.2022	IFI	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**
D03	JUL.2022	IFI	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**
D02	APR.2022	IFI	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**
D01	MAR.2022	IFI	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**
D00	JAN.2022	IFI	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**

PROJECT NAME:	BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION				
PROJECT NO.:	971020				
EPC CONTRACTOR:	 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		EPD/EPC CONTRACTOR (GC):  PETROIRAN DEVELOPMENT COMPANY		

DRAWING TITLE: ELECTRICAL TYPICAL SCHEMATIC DIAGRAMS FOR MV PANEL							
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE CLASS
N.T.S	A3	BK-GCS-PEDCO-120-EL-DD-0001	06 OF 07	D07	053-073-9184	P	2 P

	*****	..**	*** ****	..**	*** ****
REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
اخذ و كليه نسخ اين نقشه و حق اقتباس متعلق به شركت ايني مائيل نفت غاز جنوب ميانشان.					
					
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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION		BY:		DATE:	
BUDGET REF.	LOCATION	SITE CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	2	P	709040	05 OF 07 D07



FIRE WATER TRANSFORMER OUTGOING: TYPE C5

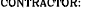
- NOTES
- 1- MAX. TWO WIRES SHOULD BE CONNECTED TO ONE TERMINAL.
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ABBREVIATION

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VCB	VACUUM CIRCUIT BREAKER
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KVAR	KILOVAR
SWGR	SWITCH GEAR

REFERENCE DRAWING	DRG. No.
ELECTRICAL LOAD LIST	BK-GCS-PEDCO-120-EL-LJ-0001
EXISTENT MV SWITCHGEAR EXPANSION SINGLE LINE DIAGRAM	BK-GCS-PEDCO-120-EL-6L-0003

D07	AUG.2024	PI	H.SHAHBA	M.FAKHARIAN	M.SHOJOUHAN	**
D06	SEP.2023	PI	H.SHAHBA	M.FAKHARIAN	S.PARMAZPOUR	**
D05	MAY.2023	IP	H.SHAHBA	M.FAKHARIAN	A.M.MOHSEN	**
D04	DEC.2022	IP	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
D03	JUL.2022	IP	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
D02	APR.2022	IP	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
D01	MAR.2022	IP	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
D00	JAN.2022	IP	H.SHAHBA	M.FAKHARIAN	M.MEHRSHAD	**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION	
PROJECT NO.:		971020	
EPC CONTRACTOR:		EPD/EPC CONTRACTOR (GC):	
 HIRGAN ENERGY - DESIGN & INSPECTION		  PETROIRAN DEVELOPMENT COMPANY	

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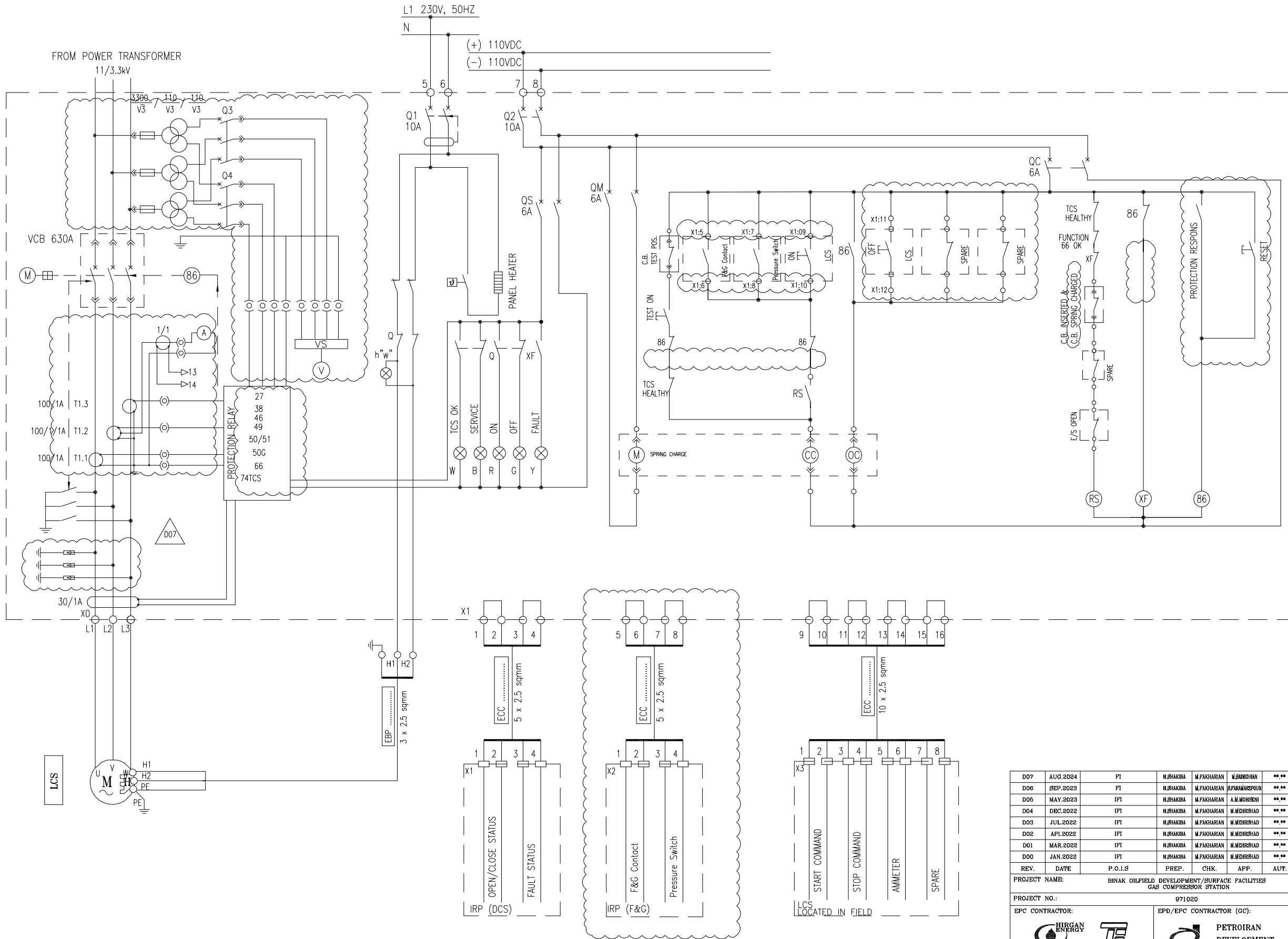
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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	

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053-073-9184	F	2	P	709040	06 OF 07
				D07	



FIRE WATER PUMP: TYPE C6

- NOTES
- 1- MAX. TWO WIRES SHOULD BE CONNECTED TO ONE TERMINAL.
 - 2- PANEL HEATER SHOULD BE INSTALLED IN SUITABLE POSITION.
 - 3- THE BURDEN OF C.T. & V.T. SHOULD BE FINALIZED BY PANEL MANUFACTURE.
 - 4- IN THE CASE OF MECHANICAL TRIP OF TRANSFORMER, SIGNAL RELAY 86 SHALL BE SENT TO DOWNSTREAM. IN OTHER WORDS VCB & ACB SHALL BE TRIPPED.
 - 5- FOR FIRE WATER PUMP WHICH WILL BE FED FROM, 11/3.3 KV TRANSFORMER, A VOLTAGE INDICATOR SHALL BE CONSIDERED ON 3.3 SWITCHGEAR.
 - 6- VOLTAGE & CURRENT SAMPLE FOR CAPACITOR BANKS OF COMPRESSORS SHALL BE CONSIDERED BY VENDOR.
 - 7- SUPPLY VOLTAGE 230 VAC FOR CIRCUIT LIGHTING, SOCKET, SHALL BE CONSIDERED SEPARATELY MCB BY VENDOR. ALSO SUPPLY VOLTAGE 110 VDC FOR CIRCUIT METERING AND PROTECTION, MOTOR SPRING CHARGE, CLOSE AND OPEN COIL, INDICATION, SHALL BE CONSIDERED SEPARATELY MCB BY VENDOR.
 - 8- CAPACITIVE VOLTAGE INDICATOR SHALL BE CONSIDERED FOR MV FEEDERS.
 - 9- CIRCUIT BREAKERS STATUS SHALL BE SENT TO BOTH DCS AND RCP.
 - 10- PROTECTIVE RELAYS AND MEASURING UNIT SHALL BE EQUIPPED WITH RS 485 TO SEND SIGNALS BY SERIAL LINK.
 - 11- MOTOR RTD SIGNALS WILL BE SENT TO UCP.

ABBREVIATION	
A	AMPERE
M	MOTOR
AS	AMMETER SWITCH
CT	CURRENT TRANSFORMER
Hz	HERTZ
IP	DEGREE OF PROTECTION BY ENCLOSURE
KA	KILO AMPERE
KV	KILO VOLT
KW	KILO WATT
MV	MEDIUM VOLTAGE
VS	VOLTMETER SWITCH
VI	VOLTAGE TRANSFORMER
KVA	KILOVOLT-AMPERE
KWH	KILOWATT-HOUR
VCB	VACUUM CIRCUIT BREAKER
TCS	TRIP COIL SUPERVISION
KVAR	KILOVAR
SWGR	SWITCH GEAR

REFERENCE DRAWING	DRG. No.
ELECTRICAL LOAD LIST	BK-GCS-PEDCO-120-EL-LJ-0001
EXISTENT MV SWITCHGEAR EXPANSION SINGLE LINE DIAGRAM	BK-GCS-PEDCO-120-EL-SL-0003

D07	AUG.2024	PT	H.SHAHBA	M.PAKHARIAN	M.SHOJHAN	**
D06	SEP.2023	PT	H.SHAHBA	M.PAKHARIAN	S.PARMAZPOUR	**
D05	MAY.2023	IFT	H.SHAHBA	M.PAKHARIAN	A.M.MOHSEN	**
D04	DEC.2022	IFT	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**
D03	JUL.2022	IFT	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**
D02	APR.2022	IFT	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**
D01	MAR.2022	IFT	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**
D00	JAN.2022	IFT	H.SHAHBA	M.PAKHARIAN	M.MEHRSHAD	**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION					
PROJECT NO.: 971020					
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY		



اصل و کاپیه نسخ این نقشه و حق اقتباس منقول به شرکت ملی مخابرات زیر عنوان مجاهدات.

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BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
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