



نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض

خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشار گاز بینک
(قرارداد BK-HD-GCS-CO-0023_00)



شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه
V00	0004	DW	EL	120	KP	GCS	BK

شماره صفحه: 1 از 10

طرح نگهداشت و افزایش تولید ۲۷ مخزن

SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL

نگهداشت و افزایش تولید میدان نفتی بینک

V00	Apr. 2025	IFA	Kalaye Pump	M.Fakharian	S.Faramarzpour	
Rev.	Date	Purpose of Issue/Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Status:

IFA: Issued for Approval
IFI: Issued for Information
AFC: Approved for Construction

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشار گاز بینک (قرارداد BK-HD-GCS-CO-0023_00)								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL							شماره صفحه : 2 از 10	
	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری		پروژه
	V00	0004	DW	EL	120	KP	GCS		BK

REVISION RECORD SHEET

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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج پمپ های آب آتشنشانی ایستگاه تقویت فشار گاز بینک (قرارداد BK-HD-GCS-CO-0023_00)																									
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	<table><tr><th colspan="8">SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL</th></tr><tr><th>نسخه</th><th>سریال</th><th>نوع مدرک</th><th>رشته</th><th>تسهیلات</th><th>صادر کننده</th><th>بسته کاری</th><th>پروژه</th></tr><tr><td>V00</td><td>0004</td><td>DW</td><td>EL</td><td>120</td><td>KP</td><td>GCS</td><td>BK</td></tr></table>	SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL								نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه	V00	0004	DW	EL	120	KP	GCS	BK	شماره صفحه: 3 از 10
SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL																										
نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه																			
V00	0004	DW	EL	120	KP	GCS	BK																			

1.0 INTRODUCTION

Binak oilfield in Bushehr province is a part of the southern oilfields of Iran, is located 20 km northwest of Genaveh city.

With the aim of increasing production of oil from Binak oilfield, an EPC/EPD Project has been defined by NIOC/NISOC and awarded to Petro Iran Development Company (PEDCO). Also, PEDCO (as General Contractor) has assigned the EPC-packages of the Project to "Hirgan Energy - Design and Inspection" JV.

2.0 GENERAL DEFINITION

The following terms shall be used in this document.

CLIENT:	National Iranian South Oilfields Company (NISOC)
PROJECT:	Binak Oilfield Development – Supply Of Fire Water Pumps
EPD/EPC CONTRACTOR (GC):	Petro Iran Development Company (PEDCO)
EPC CONTRACTOR/PURCHASER:	Joint Venture of: Hirgan Energy – Design & Inspection (D&I) Companies
VENDOR:	Kalaye Pump Company
EXECUTOR:	Executor is the party which carries out all or part of construction and/or commissioning for the project.
TPI:	Third Party Inspector.
SHALL:	Is used where a provision is mandatory.
SHOULD:	Is used where a provision is advisory only.
WILL:	Is normally used in connection with the action by CLIENT rather than by an EPC/EPD CONTRACTOR, supplier or VENDOR.
MAY:	Is used where a provision is completely discretionary.

3.0 SCOPE

The scope of this executive instruction includes all projects of Kalay-E-Pump Company and other common productions.

4.0 ATTACHMENT

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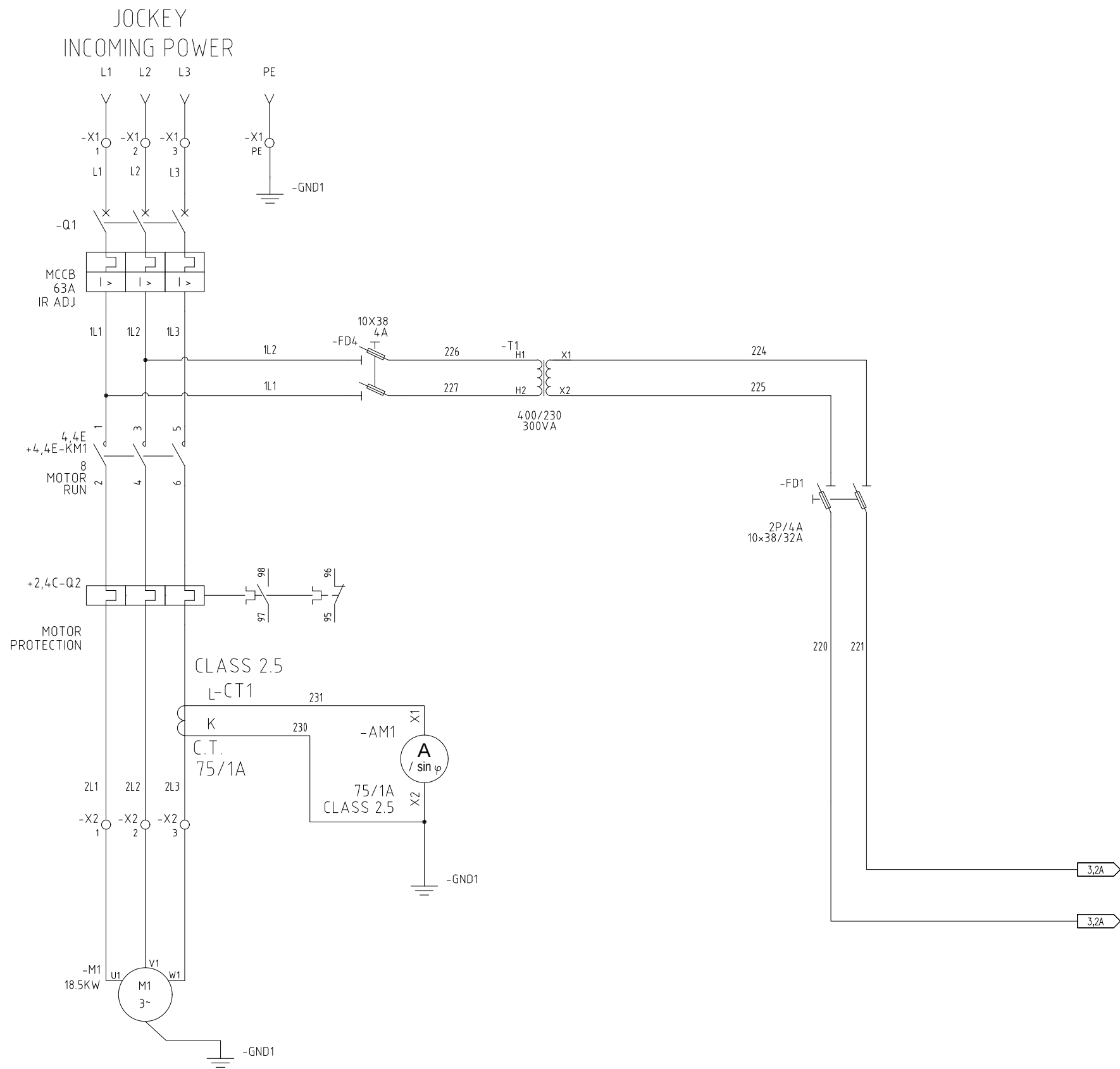
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B																B
C	SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL															C
D																D
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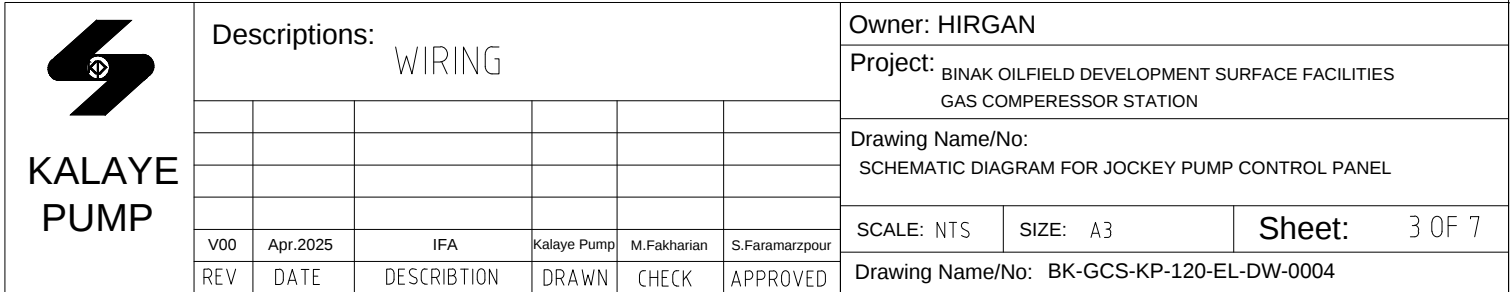
KALAYE
PUMP

Descriptions: COVER						Owner: HIRGAN		
						Project: BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION		
						Drawing Name/No: SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL		
						SCALE: NTS	SIZE: A3	Sheet: 0 OF 7
						Drawing Name/No: BK-GCS-KP-120-EL-DW-0004		
V00	Apr.2025	IFA	Kalaye Pump	M.Fakharian	S.Faramarzpour			
REV	DATE	DESCRIPTION	DRAWN	CHECK	APPROVED			

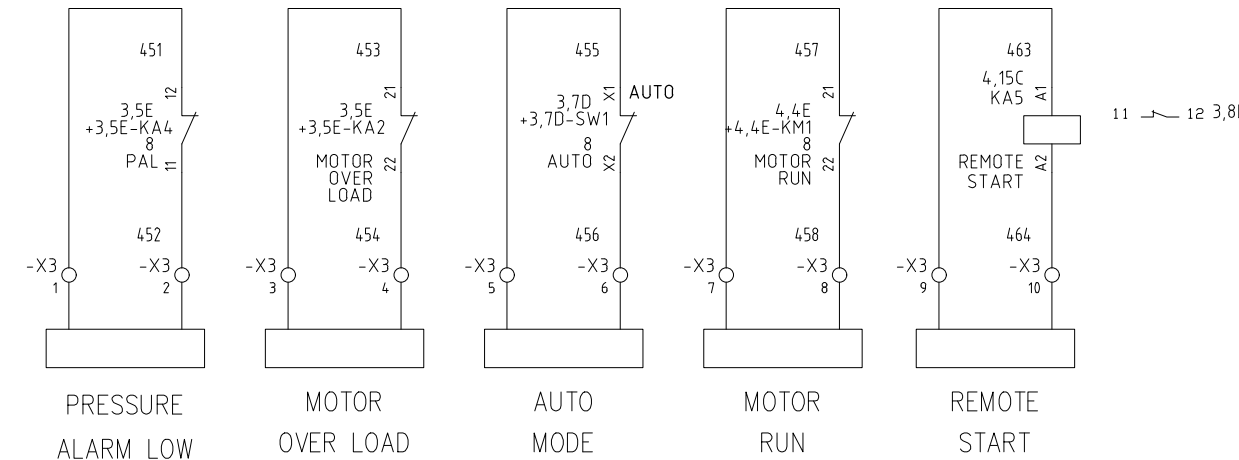
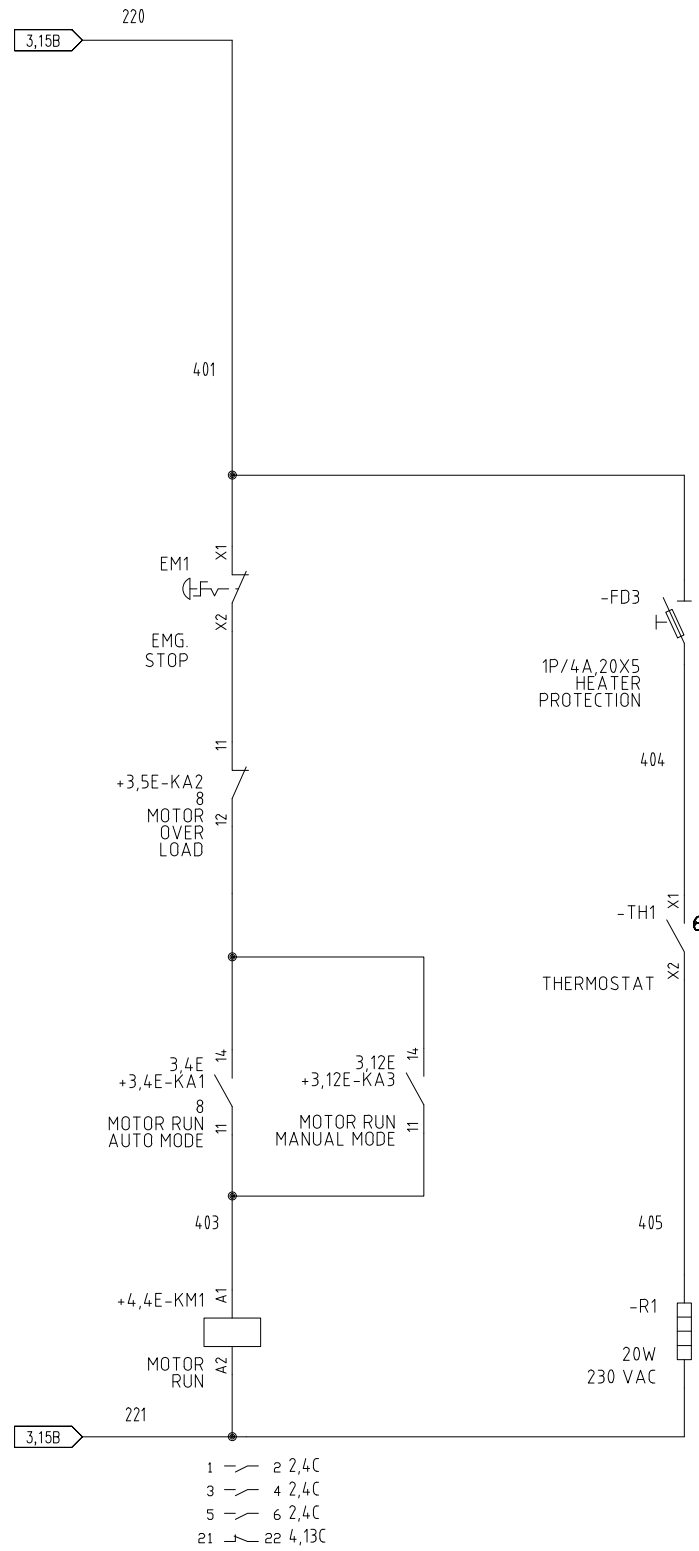
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 KALAYE PUMP	Descriptions: POWER CIRCUIT					Owner: HIRGAN		
						Project: BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPERESSOR STATION		
						Drawing Name/No: SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL		
	V00	Apr.2025	IFA	Kalaye Pump	M.Fakharian	S.Faramarzpour	SCALE: NTS	SIZE: A3
REV	DATE	DESCRIPTION	DRAWN	CHECK	APPROVED	Drawing Name/No: BK-GCS-KP-120-EL-DW-0004		

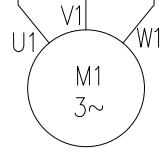


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SIGNAL INTERCONNECTION BETWEEN LCP & F&G

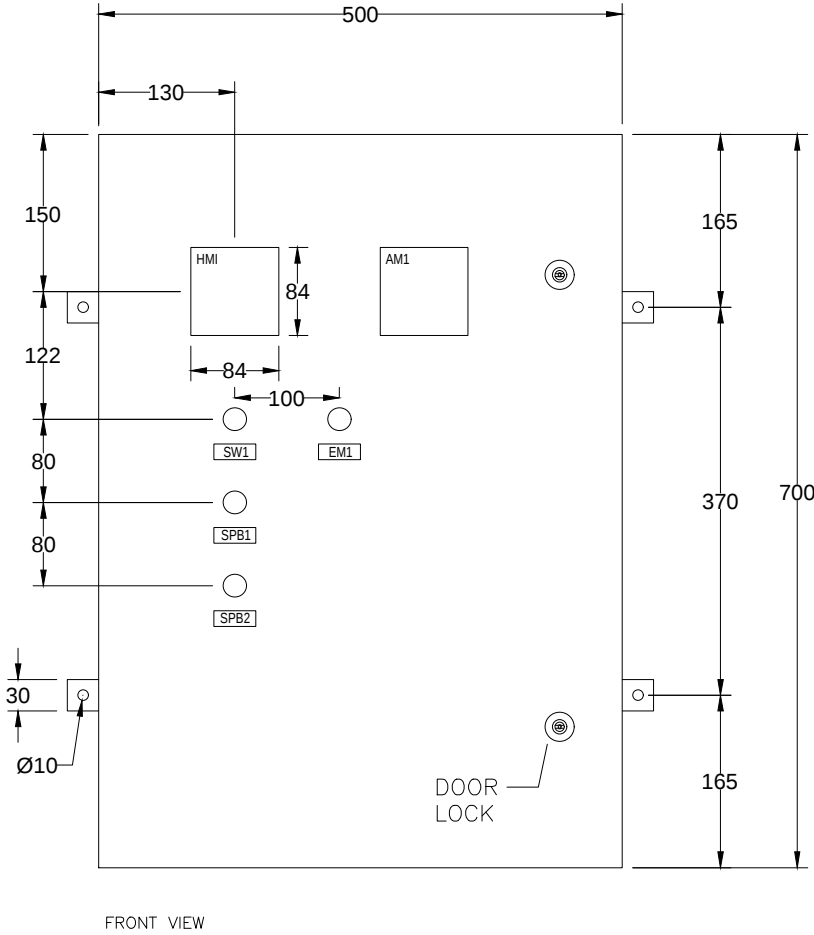
 KALAYE PUMP	Descriptions: WIRING					Owner: HIRGAN	
						Project: BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION	
						Drawing Name/No: SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL	
						SCALE: NTS	SIZE: A3
						Sheet: 4 OF 7	
						Drawing Name/No: BK-GCS-KP-120-EL-DW-0004	
V00	Apr.2025	IFA	Kalaye Pump	M.Fakharian	S.Faramarzpour		
REV	DATE	DESCRIPTION	DRAWN	CHECK	APPROVED		



SIGNAL INTERCONNECTION BETWEEN LCP & F&G

 KALAYE PUMP	Descriptions: TERMINATION					Owner: HIRGAN		
						Project: BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION		
						Drawing Name/No: SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL		
V00	Apr.2025	IFA	Kalaye Pump	M.Fakharian	S.Faramarzpour	SCALE: NTS	SIZE: A3	Sheet: 5 OF 7
REV	DATE	DESCRIPTION	DRAWN	CHECK	APPROVED	Drawing Name/No: BK-GCS-KP-120-EL-DW-0004		

- ENCLOSURE IP65
- PAINT : TEXTURED RED RAL-3020.
- ALL DIMENSIONS ARE IN MILLIMETERS.
- PROTECT EQUIPMENT AGAINST DRILLING CHIPS.
- USE WATERTIGHT CONDUIT CONNECTOR ONLY.
- THICKNESS 3 mm
- MATERIAL : CARBON STEEL



ITEM	D E S C R I P T I O N	QTY.	REMARKS
ENC	IND. ENCLOSURE, IP65, CARBON STEEL, RAL3020	1	RASEL-TABLO
Q2	MOTOR PROTECTION CIRCUIT BREAKER, BIMETAL	1	HUYNDAI
KM1	CONTACTOR COIL 230VAC, 18.5KW	1	HUYNDAI
HMI	FRARO-7035	1	KALAYE PUMP
KA1...7	AUXILIARY RELAY 24V DC 2 CO	7	FINDER
S1	SELECTOR SWITCH (1-0-2) 4NO	1	SCHNEIDER
SPB1	PUSH BUTTON RED, 1NC	1	SCHNEIDER
SPB2	PUSH BUTTON GREEN, 1NO	1	SCHNEIDER
FD1,4	FUSE DIS-CONNECTOR, 2P/4A, 10x38/32A	2	ETI
FD2	FUSE DIS-CONNECTOR, 1P/4A, 20x5	1	RAAD
PS1	230 VAC TO 24V DC 4A, SMPS	1	OMRON
R1	CABINET HEATER, 230V AC, 20W	1	KOMESH
TH1	THERMOSTAT	1	KOMESH
PT1	EX ia IIC IP65 - PRESSURE TRANSMITTER, 4..20mA, 0..40 BAR	1	JUMO
-X3	TERMINAL 2.5sqmm	10	RAAD
Q1	MCCB, 3P/160A	1	HUYNDAI
-EM1	EMERGENCY STOP 1NC	1	SCHNEIDER
IS1..3	ISOLATOR H35 35mm	3	JEBAL
CT	CURRENT TRANSFORMER 75/1A CL.2.5	1	MAG ELECTRIC
AM1	72x72 AMMETER IP65 75/1A CL.2.5	1	BORNIKA
2 SET			

ITEM	D E S C R I P T I O N	ITEM	D E S C R I P T I O N
SW1	MAN-OFF-AUTO		
SPB1	START		
SPB2	STOP		
EM1	EMERGENCY STOP		

 KALAYE PUMP	Descriptions: GA & BOM					Owner: HIRGAN		
						Project: BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION		
						Drawing Name/No: SCHEMATIC DIAGRAM FOR JOCKEY PUMP CONTROL PANEL		
V00	Apr.2025	IFA	Kalaye Pump	M.Fakharian	S.Faramarzpour	SCALE: NTS	SIZE: A3	Sheet: 6 OF 7
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