

LCP COMPRESSOR

Enclosure Specification	
Tag number	LCP-2101X (Note 1)
Marking acc to 94/9/EC directive	 II 2 G D
Marking acc. to IEC	Ex d IIB+H2 T4
Ingress Protection to IEC 60529	IP66
Permissible Ambient Temperature	-30 C TO 55 C
Material	Copper Free Aluminium
Colour Of Enclosure	RAL 7035
Thickness	20mm±5mm

20	21	22	A0
REFERENCE DRAWINGS			DWG. NUMBER
BK-GCS-HV-120-PR-PI-0001		P&I DIAGRAM	
BK-GCS-HV-120-IN-L-0003		INSTRUMENT CABLE LIST	

Note1 :

X:A COMPRESSOR A
X:B COMPRESSOR B
X:C COMPRESSOR C

Note2 :

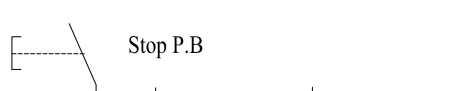
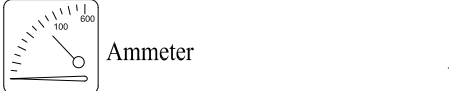
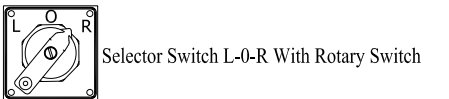
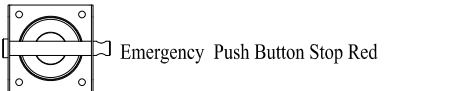
Wire 1.5mm² Silicone wire
Wire color black

Internal wiring is by Vendor.

Wire number procedure: Xn-m
n: Strip number m:Terminal number
Ex:X1-01

V05

Legend :

[illegible]

BOX A

BOX B

BOX C

483mm±5mm

689 mm ±5 mm

REFERENCE DRAWINGS		DWG. NUMBER
BR-GCS-HY-120-PIB-0001	P&ID DIAGRAM	
BR-GCS-HY-120-INS-4-0003	INSTRUMENT CABLE LIST	

Note1 :
X:A COMPRESSOR A
X:B COMPRESSOR B
X:C COMPRESSOR C

Note2 :
Wire 1.5mm² Silicone wire
Wire color black

V05

Internal wiring is by Vendor.
Wire number procedure: Xn-m
n: Strip number m: Terminal number
Ex:X1-01

Legend :

- Signal Lamp Green
- Signal Lamp Red
- Push Button Start Green
- Push Button Stop Red
- Emergency Push Button Stop Red
- Selector Switch L-0-R With Rotary Switch
- Ammeter
- Gland
- Plug
- Signal Lamp
- Start P.B
- Stop P.B
- Selector Switch

V05	FEB.2025	AFC	HAVAYAR CO	M.FAKHARIAN	S.FARAMAKZPOUR			
V04	NOV.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN			
V03	SEP.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN			
V02	JUNE.2024	IFR	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN			
V01	OCT.2023	IFR	HAVAYAR CO	M.FAKHARIAN	S.FARAMAKZPOUR			
V00	SEP.2023	IFR	HAVAYAR CO	M.FAKHARIAN	A.M.MOHSENI			
REV	DATE	P.O.I.	PREP.	CHK.	APP.			AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

PROJECT NO.: -----

EPC CONTRACTOR:	EPC/EPD CONTRACTOR:
 HURGAN ENERGY – DESIGN & INSPECTION COMPANIES	 PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: LCP AND GAUGE BOARD LAYOUT

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
A3		BR-GCS-HY-120-IN-PY-0001	03 OF 15	V05

REV. DESCRIPTION BY DATE

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BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

DATE SCALE DRAWING BY CHECKED BY

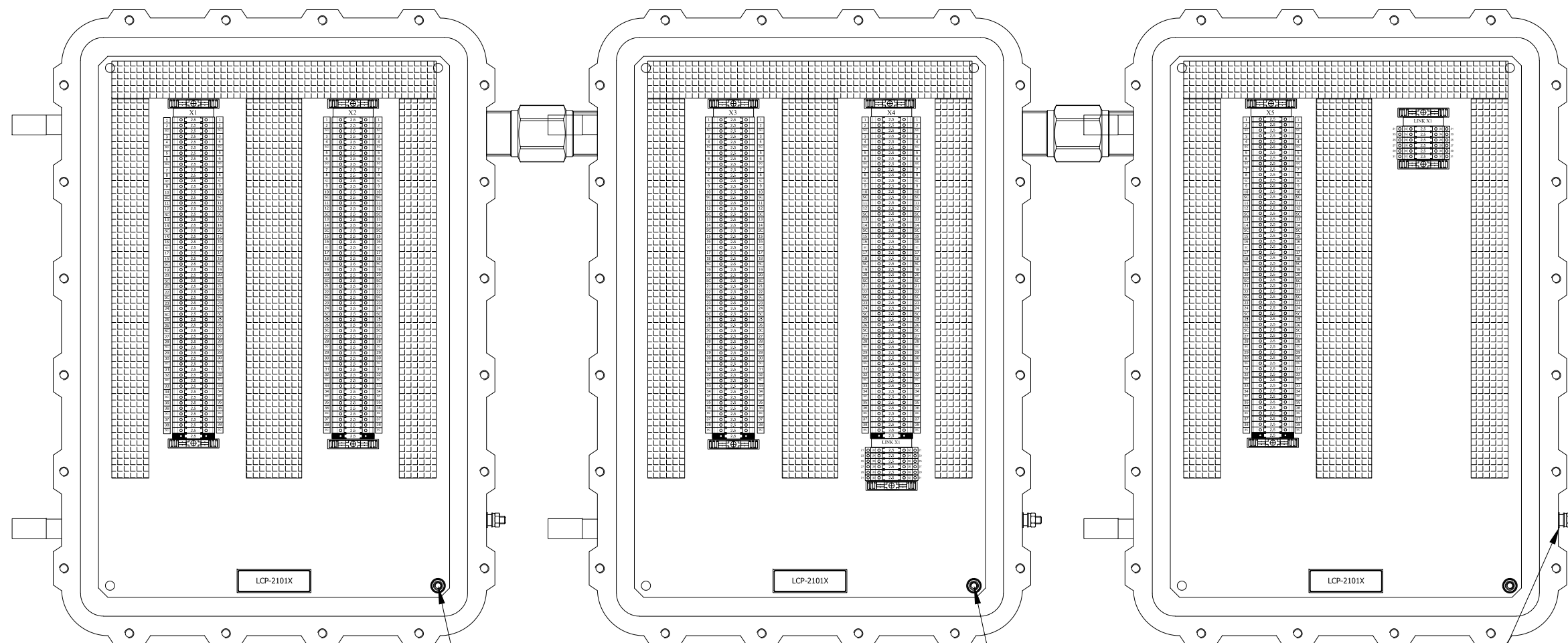
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY:

BUDGET REF LOCATION SIZE CLASS SERIAL NO.



BOX C



Inside View

Internal Earth Lug M8
Stainless Steel 316L

- Signal Lamp Green

Signal Lamp Red

Push Button Start Green

Push Button Stop Red

Emergency Push Button Stop Red

Selector Switch L-0-R With Rotary Switch

Ammeter

Gland

Plug

LED Signal Lamp

Start P.B

Stop P.B

Selector Switch

V05	FEB.2025	AFC	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V04	NOV.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V03	SEP.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V02	JUNE.2024	IFR	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V01	OCT.2023	IFR	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V00	SEP.2023	IFR	HAVAYAR CO	M.FAKHARIAN	A.M.MOHSINI		
REV.	DATE	P.O.I.	PREP.	CHK.	APP.		AUT.

PROJECT NAME:	BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES
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PROJECT NO.:	---
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EPC CONTRACTOR:  HIRGAN ENERGY HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES	EPC/EPD CONTRACTOR:  PETROIRAN DEVELOPMENT COMPANY PEDCO
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	DRAWING TITLE:	

LCP AND GAUGE BOARD LAYOUT

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
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	A3	BK-GCS-HY-120-IN-PY-0001	04 OF 15	V05
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REV.	DESCRIPTION	BY	DATE
		CHECKED	
	این نقشه و کلیه کپی های آن را به همراه حق کپی رایت این نقشه به صورت کامل و بدون هیچ گونه احتیاجی به تایید و امضاء به این شرکت تحویل داده می شود. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS		

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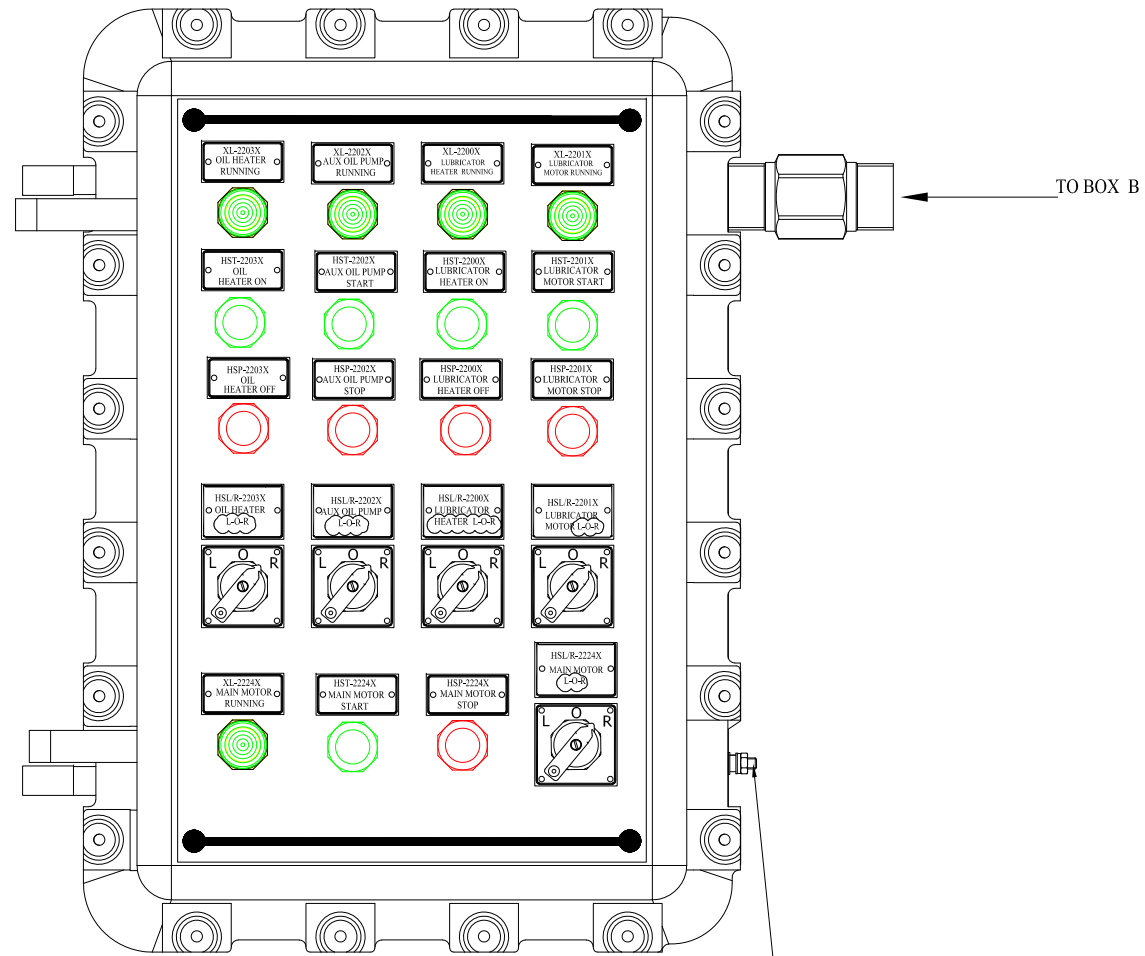
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APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR CONSTRUCTION				BY:
BUDGET REF	LOCATION	SIZE	CLASS	SERIAL NO

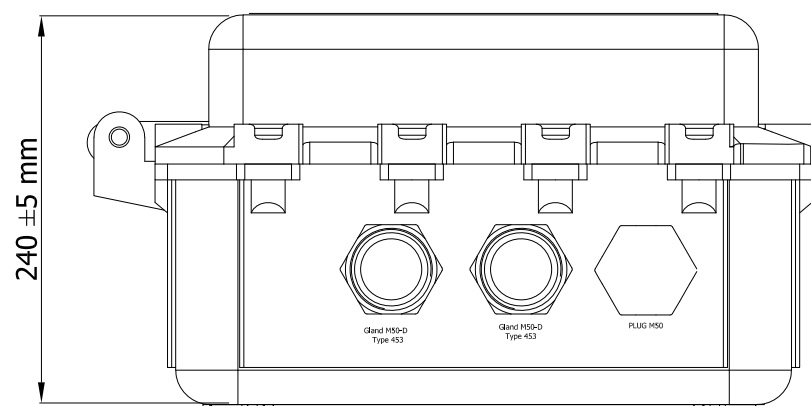
BUDGET ID:	LOCATION	SIZE	CLASS	SERIAL NO.

20	21	22	A0
Software	Autocad	File No	

BOX A



Front View



External Earth Lug M8
Stainless Steel 316L

REFERENCE DRAWINGS

DWG. NUMBER

BK-GCS-HY-120-PIB-PY-0001

P&ID DIAGRAM

BK-GCS-HY-120-IN-4-L-0003

INSTRUMENT CABLE LIST

Note1 :

X:A COMPRESSOR A

X:B COMPRESSOR B

X:C COMPRESSOR C

Note2 :

Wire 1.5mm² Silicone wire

Wire color black

Internal wiring is by Vendor.

Wire number procedure: Xn-m

n: Strip number m:Terminal number

Ex:X1-01

Legend :

Signal Lamp Green

Signal Lamp Red

Push Button Start Green

Push Button Stop Red

Emergency Push Button Stop Red

Selector Switch L-0-R With Rotary Switch

Ammeter

Gland

Plug

Signal Lamp

Start P.B

Stop P.B

Selector Switch

REV.

DESCRIPTION

BY

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EPC CONTRACTOR:

HIRGAN ENERGY

TE

HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPC/EPD CONTRACTOR:

PEDCO

PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE:

LCP AND GAUGE BOARD LAYOUT

SCALE

SIZE

DRAWING NO.

SHEET NO

REV.

BUDGET REF

LOCATION

SIZE

CLASS

SERIAL NO.

A3

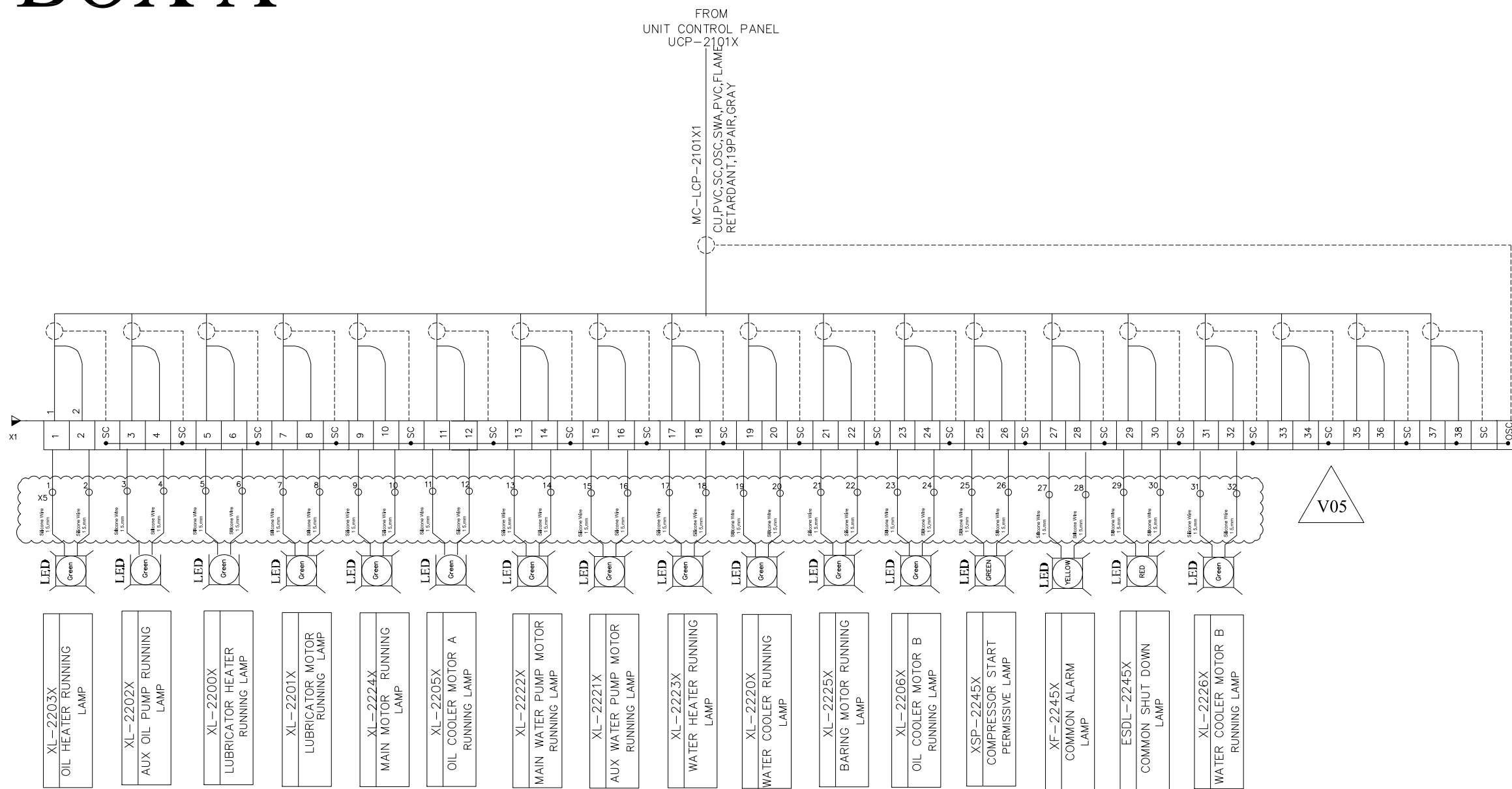
BK-GCS-HY-120-IN-PY-0001

05 OF 15

V05



BOX A



Note1 :
X:A COMPRESSOR A
X:B COMPRESSOR B
X:C COMPRESSOR C
Note2 :
Wire 1.5mm² Silicone wire
Wire color black
Internal wiring is by Vendor.
Wire number procedure: Xn-m
n: Strip number m: Terminal number
Ex:X1-01

Legend :

-  Signal Lamp Green
-  Signal Lamp Red
-  Push Button Start Green
-  Push Button Stop Red
-  Emergency Push Button

The diagram shows a control panel layout with the following components:

- Selector Switch L-0-R With Rotary Switch**: A square component with a circular dial and a handle, labeled with 'L', 'O', and 'R'.
- Ammeter**: A rectangular component with a scale from 0 to 600 and a needle.
- Gland**: A hexagonal component with a central circular opening.
- Plug**: A hexagonal component.
- LED Signal Lamp**: A square component with a circular center and four mounting tabs, labeled 'LED'.
- Start P.B.**: A rectangular component with a diagonal line and a small tab labeled 'J'.
- Stop P.B.**: A rectangular component with a diagonal line and a small tab labeled 'I'.
- Selector Switch**: A rectangular component with a diagonal line and two small tabs labeled 'I'.

V05	FEB.2025	AFG	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR	
V04	NOV.2024	AFG	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN	
V03	SEP.2024	AFG	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN	
V02	JUNE.2024	IFR	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN	
V01	OCT.2023	IFR	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR	
V00	SEP.2023	IFR	HAVAYAR CO	M.FAKHARIAN	A.M.MOHSNI	
REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.

PROJECT NAME:	BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES
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PROJECT NO.:		DATE: _____	
EPC CONTRACTOR:		EPC/EPD CONTRACTOR:	
 		 	
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		PETROIRAN DEVELOPMENT COMPANY	

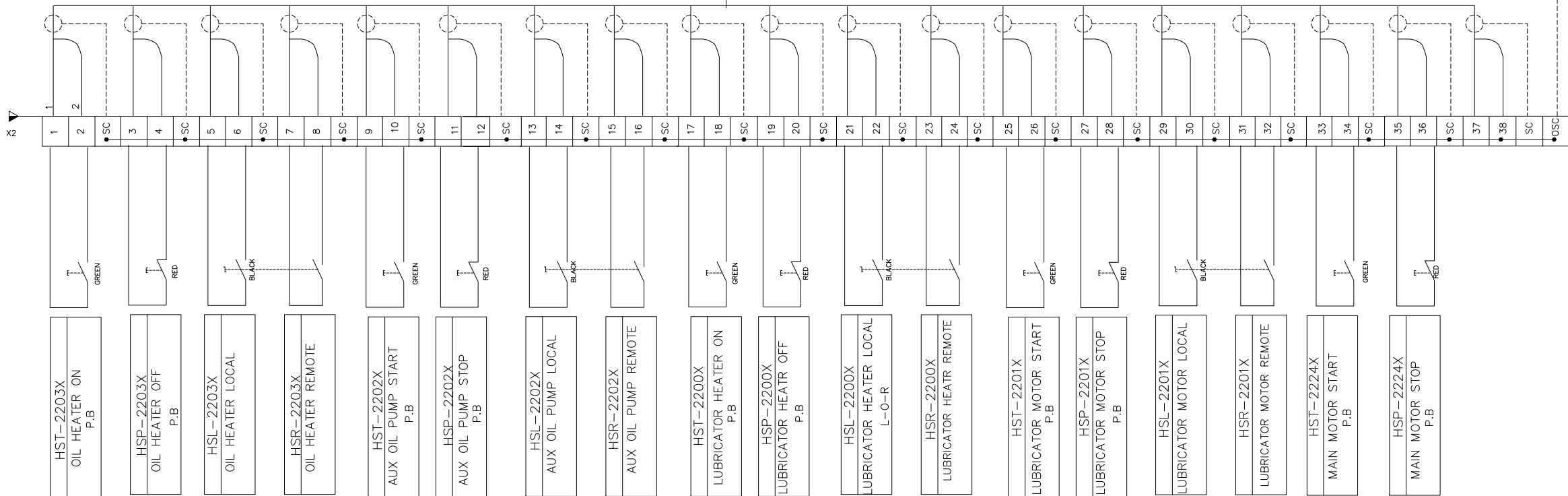
DRAWING TITLE:				
LCP AND GAUGE BOARD LAYOUT				
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
	A3	BK-GCS-HY-120-IN-PY-0001	06 OF 15	005

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BUDGET REF.	LOCATION	SIZE	CLASS		
			SERIAL NO.		

BOX A

FROM
UNIT CONTROL PANEL
UCP-2101X

MC-LCP-2101X2
CU,PVC,SC,OSC,SWA,PVC,FLAME
RETARDANT,19PAIR,GRAY



Signal Lamp Green

Signal Lamp Red

Push Button Start Green

Push Button Stop Red

Emergency Push Button Stop Red

Selector Switch L-0-R With Rotary Switch

Ammeter

Gland

Plug

Signal Lamp

Start P.B.

Stop P.B.

Selector Switch

REV. DESCRIPTION BY DATE

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BUDGET REF. LOCATION SIZE CLASS SERIAL NO.

V05	FEB.2025	AFC	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V04	NOV.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V03	SEP.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V02	JUNE.2024	IFR	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V01	OCT.2023	IFR	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V00	SEP.2023	IFR	HAVAYAR CO	M.FAKHARIAN	A.M.MOHSSENI		
REV.	DATE	P.O.I.	PREP.	CHK.	APP.		AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

PROJECT NO.: ---

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

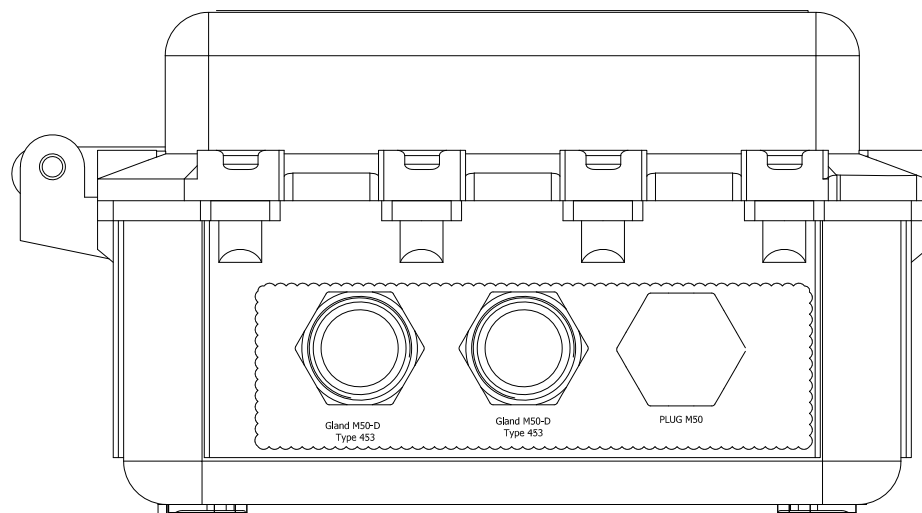
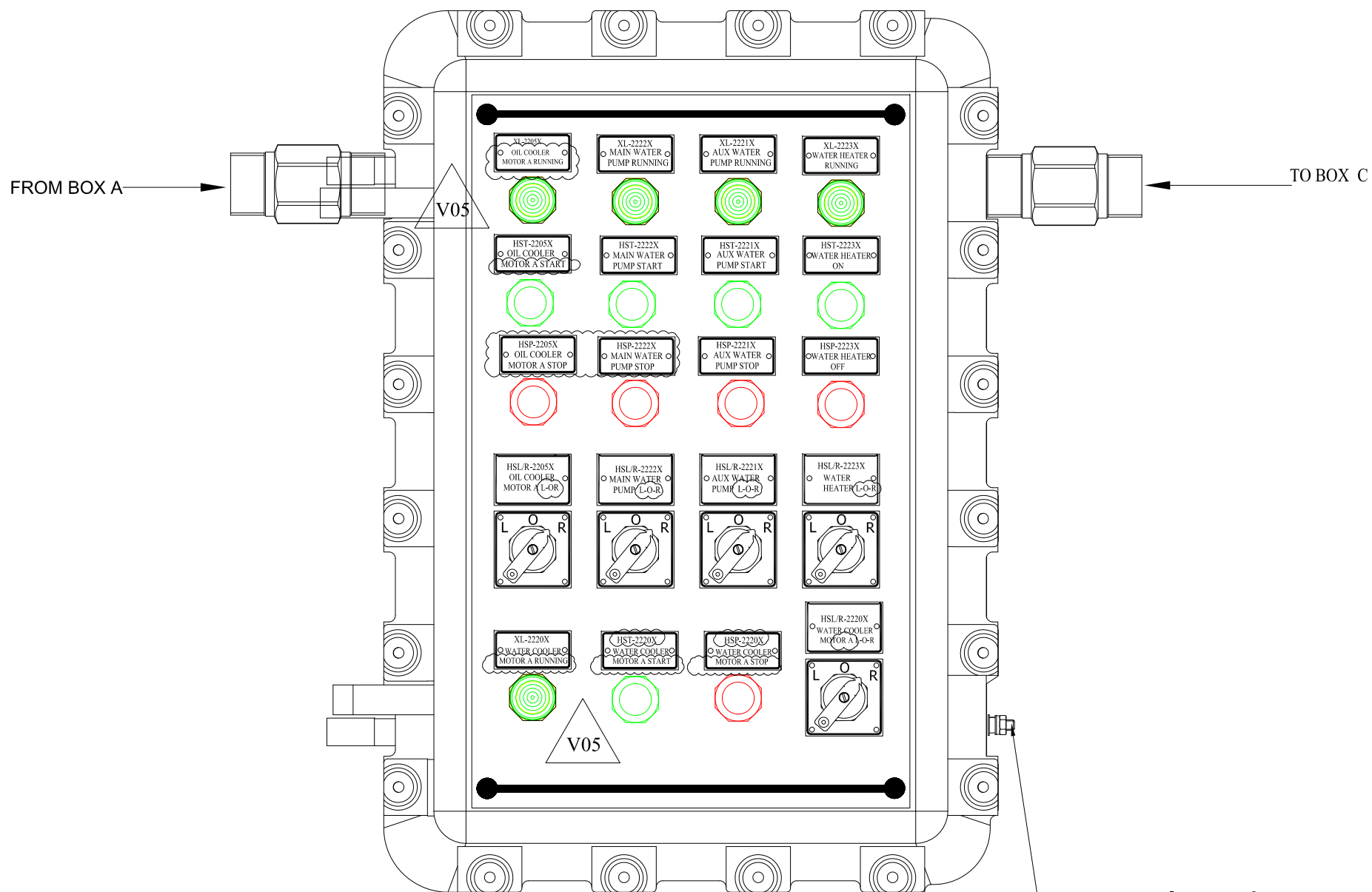
EPC/EPD CONTRACTOR: PETROIRAN DEVELOPMENT COMPANY
PEDCO

DRAWING TITLE: LCP AND GAUGE BOARD LAYOUT

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
A3		BK-GCS-HY-120-IN-PY-0001	07 OF 15	V05



BOX B



V05

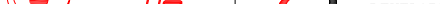
External Earth Lug M8
Stainless Steel 316L

V05	FEB-2025	AFC	HAVAYAR CO	M.FAKHARIAN	S.FARAHMANDPOUR	
V04	NOV-2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN	
V03	SEP-2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN	
V02	JUNE-2024	IFR	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN	
V01	OCT-2023	IFR	HAVAYAR CO	M.FAKHARIAN	S.FARAHMANDPOUR	
V00	SEP-2023	IFR	HAVAYAR CO	M.FAKHARIAN	A.M.MOHSSENI	
REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

PROJECT NO.:	0000 0000 0000
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EPC CONTRACTOR:	EPC/EPD CONTRACTOR:
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HIRGAN ENERGY - DESIGN & INSPECTION

AMERICAN ENERGY SERVICES, INC. DESIGN & INSTALLATION COMPANIES	PEDCO
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DRAWING TITLE: LCP AND GAUGE BOARD LAYOUT

SCALE	SIZE	DRAWING NO	SHEET NO	REV
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
	A3	BK-GCS-HY-120-IN-PY-0001	08 OF 15	V05

A number line from 15 to 20. The numbers 16, 17, 18, and 19 are labeled. There are tick marks at every integer. A red dot is placed on the tick mark for 16. A red arrow points from the red dot to the right, passing through 17 and ending at 18.

REV.	DESCRIPTION	BY	DATE
		CHECKED	

شیریں ہونچ دیخ مغی قطنم علم سکوں بہ قللعم سبوق حج و شفق ہی .

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BINAK OILFIELD DEVELOPMENT
SURFACE WORK PACKAGES

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A horizontal number line is shown, ranging from 20 to 40. Major tick marks are labeled at 20, 21, 22, and 40. Minor tick marks are present at every integer unit. Four red vertical lines are drawn at the positions corresponding to 25, 27, 30, and 33.

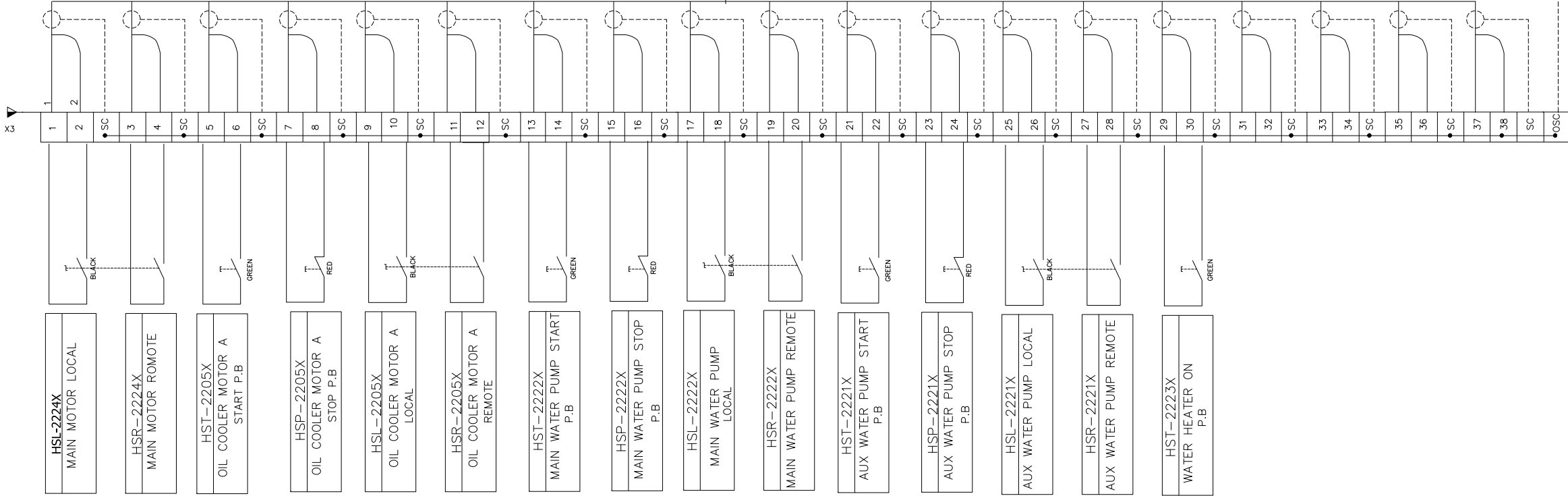
2.0	2.1	2.2	2.3
Software	Autocad	File No	RD

BOX B

FROM
UNIT CONTROL PANEL
UCP-2101X

MC-LCP-2101X3

CU,PVC,SC,OSC,SWA,PVC,FLAME
RETARDANT,19PAIR,GRAY



REFERENCE DRAWINGS

BK-GCS4HY-120-PB-0001
BK-GCS4HY-120-IN-4-0003

P&I DIAGRAM
INSTRUMENT CABLE LIST

DWG. NUMBER

Note1 :

X:A COMPRESSOR A
X:B COMPRESSOR B
X:C COMPRESSOR C

Note2 :

Wire 1.5mm² Silicone wire
Wire color black

V05

Internal wiring is by Vendor.
Wire number procedure: Xn-m
n: Strip number m:Terminal number
Ex:X1-01

Legend :

Signal Lamp Green

Signal Lamp Red

Push Button Start Green

Push Button Stop Red

Emergency Push Button Stop Red

Selector Switch L-0-R With Rotary Switch

Ammeter

Gland

Plug

Signal Lamp

Start P.B

Stop P.B

Selector Switch

V05	FEB.2025	AFC	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V04	NOV.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V03	SEP.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V02	JUNE.2024	IFR	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V01	OCT.2023	IFR	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V00	SEP.2023	IFR	HAVAYAR CO	M.FAKHARIAN	A.M.MOHSENI		
REV.	DATE	P.O.I.	PREP.	CHK.	APP.		AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

PROJECT NO.: ---

EPC CONTRACTOR:
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPC/EPD CONTRACTOR:
 PETROIRAN DEVELOPMENT COMPANY

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DRAWING TITLE: LCP AND GAUGE BOARD LAYOUT

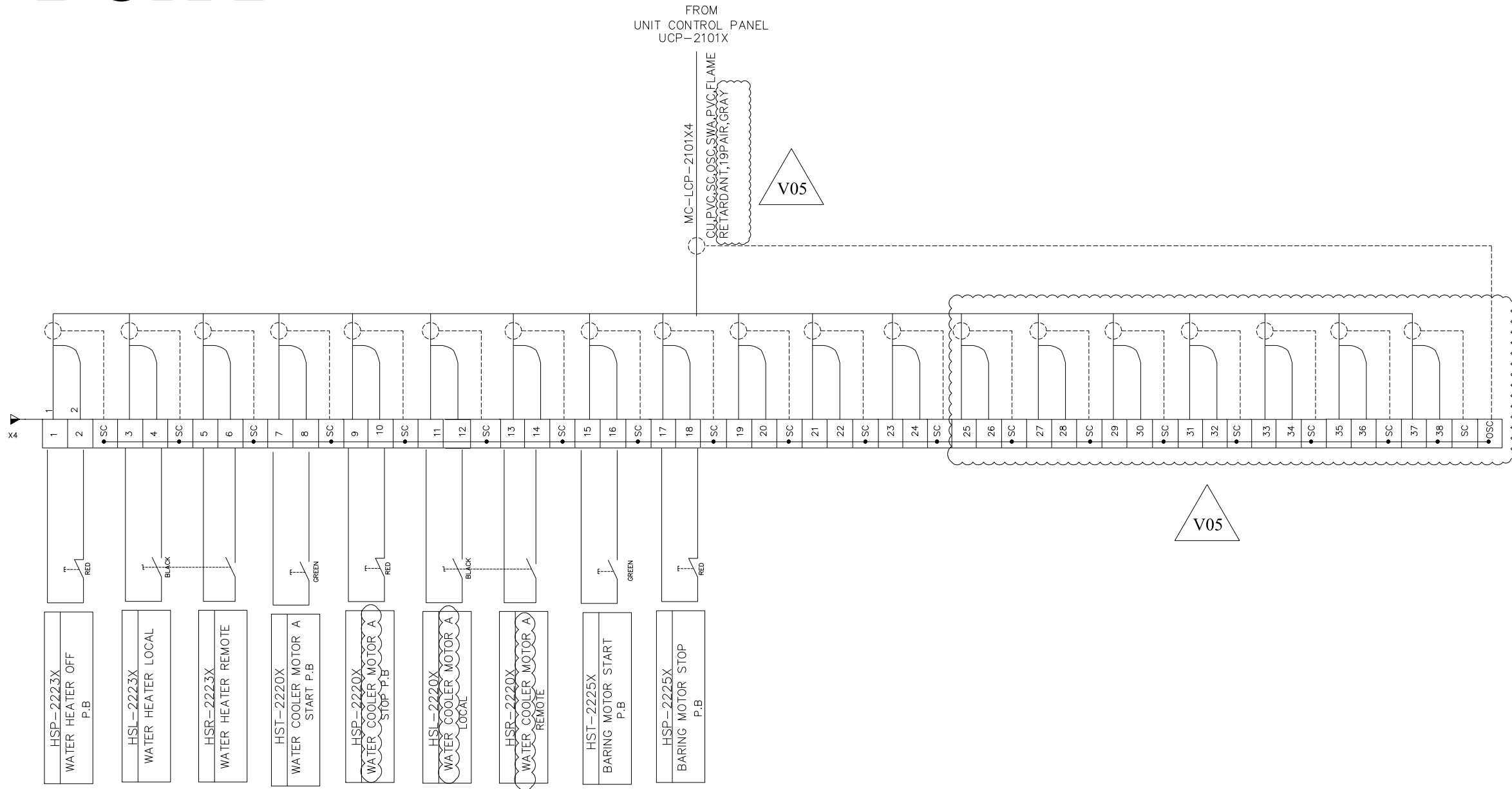
SCALE SIZE DRAWING NO. SHEET NO. REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO.

A3 BK-GCS-HY-120-IN-PY-0001 09 OF 15 V05



Software Autocad File No

BOX B



REFERENCE DRAWINGS		DWG. NUMBER
BK-GCS4HY-120-PP-0001	P&ID DIAGRAM	
BK-GCS4HY-120-IN-4-0003	INSTRUMENT CABLE LIST	

Note1 :
X:A COMPRESSOR A
X:B COMPRESSOR B
X:C COMPRESSOR C

Note2 :
Wire 1.5mm² Silicone wire
Wire color black

V05

Internal wiring is by Vendor.
Wire number procedure: Xn-m
n: Strip number m:Terminal number
Ex:X1-01

Legend :

- Signal Lamp Green
- Signal Lamp Red
- Push Button Start Green
- Push Button Stop Red
- Emergency Push Button Stop Red
- Selector Switch L-0-R With Rotary Switch
- Ammeter
- Gland
- Plug
- Signal Lamp
- Start P.B.
- Stop P.B.
- Selector Switch

V05	FEB.2025	AFC	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V04	NOV.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V03	SEP.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V02	JUNE.2024	IFR	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V01	OCT.2023	IFR	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V00	SEP.2023	IFR	HAVAYAR CO	M.FAKHARIAN	A.M.MOHSSENI		
REV.	DATE	P.O.I.	PREP.	CHK.	APP.		AUT.

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PROJECT NO.: ---

EPC CONTRACTOR:		EPC/EPD CONTRACTOR:	
			
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		PETROIRAN DEVELOPMENT COMPANY	

DRAWING TITLE: LCP AND GAUGE BOARD LAYOUT

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
	A3	BK-GCS-HY-120-IN-PY-0001	10 OF 15	V05

REV.	DESCRIPTION	BY	DATE
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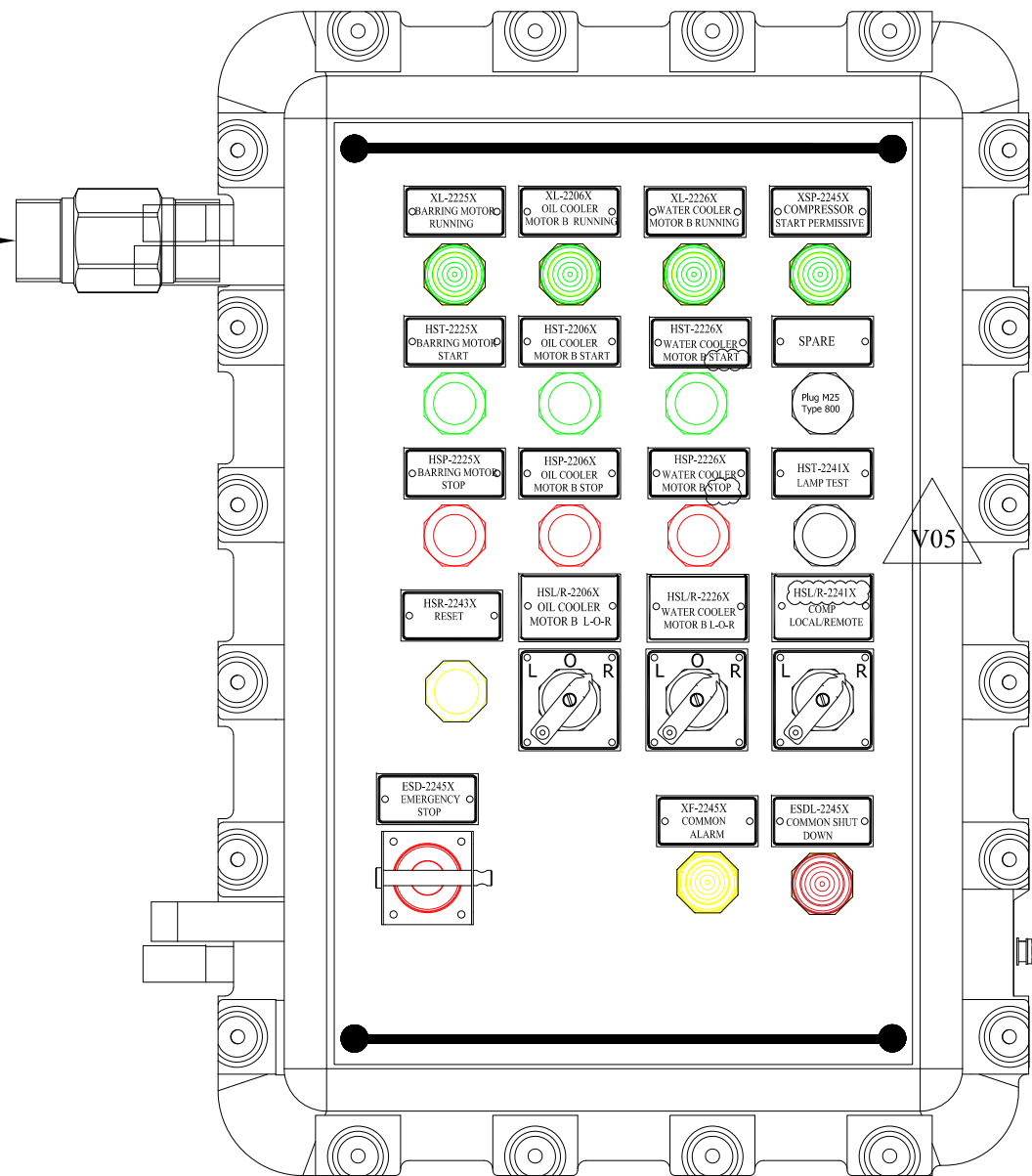
BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES			
DATE	SCALE	DRAWING BY	CHECKED BY

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APPROVED FOR CONSTRUCTION				BY:
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.

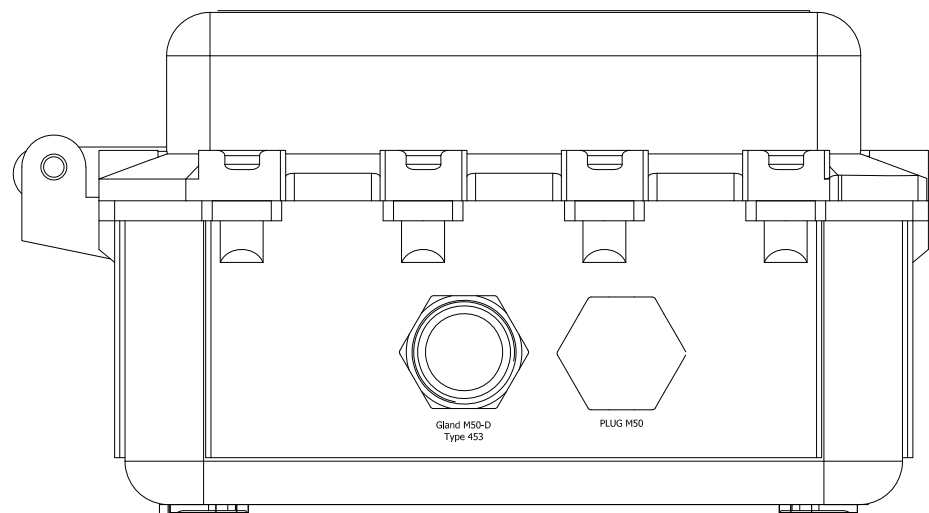


FROM BOX B-



V05

External Earth Lug M8 Stainless Steel 316L



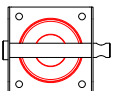
Legend :

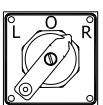
 Signal Lamp Green

 Signal Lamp Red

 Push Button Start Green

 Push Button Stop Red

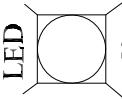
 Emergency Push Button Stop Red

 Selector Switch L-0-R With Rotary Switch

 Ammeter

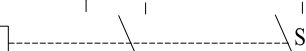
 Gland

 Plug

 LED Signal Lamp

 Start P.B.

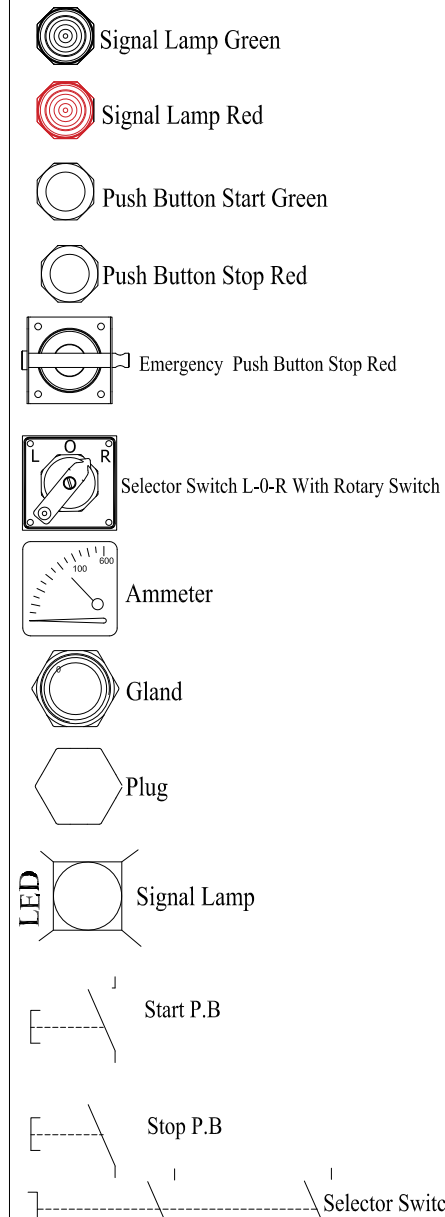
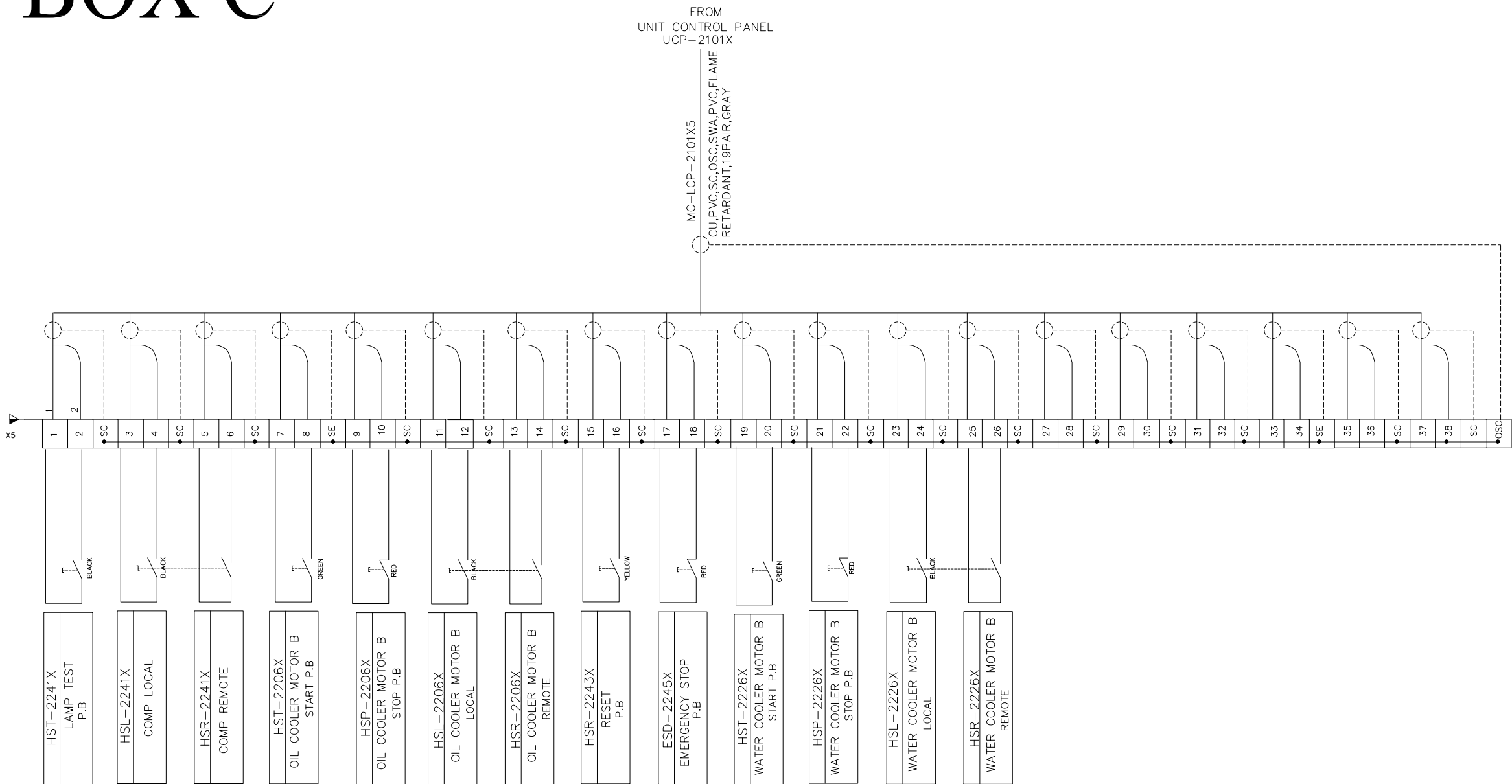
 Stop P.B.

 Selector Switch

DRAWING TITLE:				
LCP AND GAUGE BOARD LAYOUT				
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
	A3	BK-GCS-HY-120-IN-PY-0001	11 OF 15	V05

REV.	DESCRIPTION	BY	DATE
		CHECKED	
جميع بيانات هذا الملف ملكية لشركة نفط الكويت ولا يجوز ان ينسخ او يوزع او يغير او يحد من صلاحيته او يوزع او يغير او يحد من صلاحيته او يوزع او يغير او يحد من صلاحيته			
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BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES			
DATE	SCALE	DRAWING BY	CHECKED BY
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APPROVED FOR CONSTRUCTION		BY:	
BUDGET REP	LOCATION	SIZE	CLASS
			SERIAL NO.

BOX C



V05	FEB.2025	AFC	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V04	NOV.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V03	SEP.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V02	JUNE.2024	IFR	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN		
V01	OCT.2023	IFR	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR		
V00	SEP.2023	IFR	HAVAYAR CO	M.FAKHARIAN	A.M.MOHSENI		
REV.	DATE	P.O.I.	PREP.	CHK.	APP.		AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES							
PROJECT NO.: ---							
EPC CONTRACTOR:				EPC/EPD CONTRACTOR:			
HIRGAN ENERGY HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES				PETROIRAN DEVELOPMENT COMPANY PEDCO			

DRAWING TITLE: LCP AND GAUGE BOARD LAYOUT							
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	BUDGET REF.	LOCATION
	A3	BK-GCS-HY-120-IN-PY-0001		12 OF 15	V05		

REV.	DESCRIPTION	BY	DATE
CHECKED			
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BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES			
DATE	SCALE	DRAWING BY	CHECKED BY
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED			
APPROVED FOR CONSTRUCTION		BY:	
SERIAL NO.	CLASS	SIZE	LOCATION



The diagram illustrates the layout of six ammeter units on a panel, arranged in a 3x2 grid. Each unit consists of a circular face with a scale and a needle, a plug on the right side, and a gland on the bottom. The units are labeled as follows:

- Top Left:** MAIN MOTOR AMMETER II-2234X
- Top Right:** AUX OIL PUMP AMMETER II-2235X
- Middle Left:** AUX WATER PUMP AMMETER II-2236X
- Middle Right:** MAIN WATER PUMP AMMETER II-2237X
- Bottom Left:** OIL COOLER MOTOR A AMMETER II-2238X
- Bottom Right:** OIL COOLER MOTOR B AMMETER II-2239X

Note1 :
X:A COMPRESSOR A
X:B COMPRESSOR B
X:C COMPRESSOR C

Note2 :
Wire 1.5mm² Silicone wire
Wire color black

V05

Internal wiring is by Vendor.
Wire number procedure: Xn-m
n: Strip number m:Terminal number
Ex:X1-01

[illegible]

PROJECT NAME: BINAQ OILFIELD DEVELOPMENT SURFACE WORK PACKAGES				
PROJECT NO.: -----				
EPC CONTRACTOR:		EPC/EPD CONTRACTOR:		
 				
HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES		PEDCO		
DRAWING TITLE:				
LCP AND GAUGE BOARD LAYOUT				
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
	A3	BK-GCS-HY-120-IN-PY-0001	13 OF 15	V05

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BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES				
DATE		SCALE		CHECKED BY
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				
APPROVED FOR CONSTRUCTION			BY:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.





A triangle containing the text "V05" and a wavy line to its right.

Note1 :
X:A COMPRESSOR A
X:B COMPRESSOR B
X:C COMPRESSOR C

Note2 :
Wire 1.5mm² Silicone wire
Wire color black

Internal wiring is by Vendor.
Wire number procedure: Xn-m
n: Strip number m:Terminal number
Ex:X1-01

Legend :



Signal Lamp Green



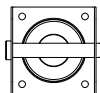
Signal Lamp Red



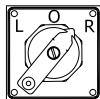
Push Button Start Green



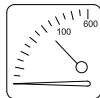
Push Button Stop Red



Emergency Push Button Stop Red



Selector Switch L-0-R With Rotary Switch



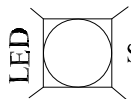
Ammeter



► Gland



Plug



Signal Lamp

LED

Start P.B

Stop P.B

Selector Switch

REV.	DESCRIPTION	BY	DATE
		CHECKED	

PROJECT NAME: BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES



**HIRGAN
ENERGY**



**PETROIRAN
DEVELOPMENT
COMPANY**

BINAK OILFIELD DEVELOPMENT
SURFACE WORK PACKAGES

DATE	SCALE	DRAWING BY	CHECKED BY

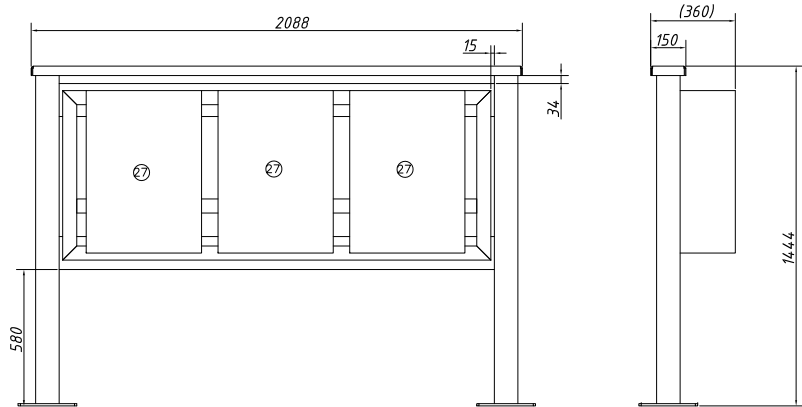
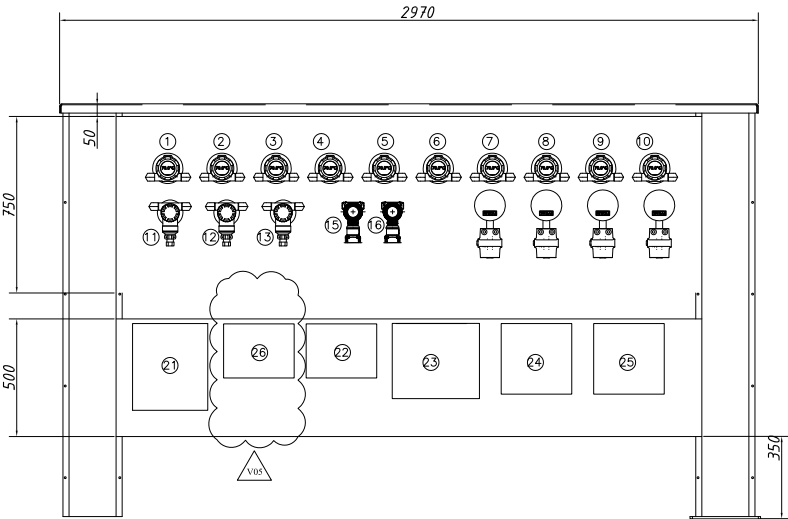
DRAWING TITLE:	LCP AND GAUGE BOARD LAYOUT
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SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.
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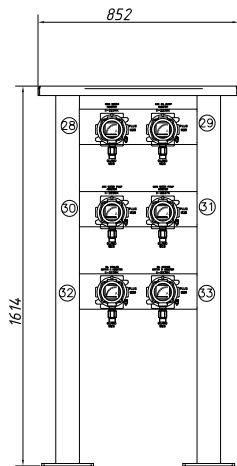
21	22
С.В.Савин	С.В.Савин



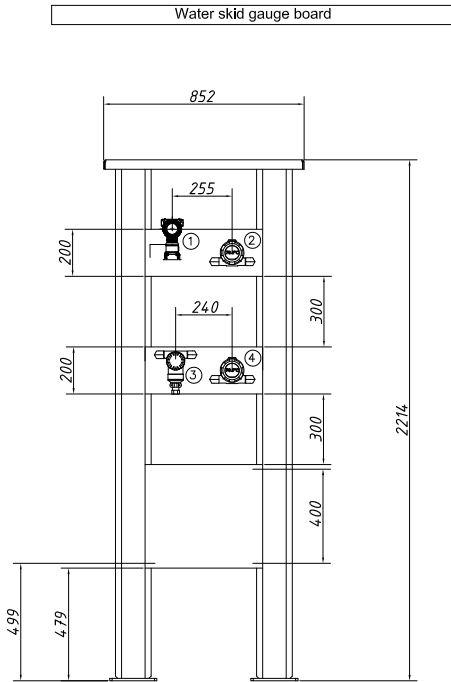


LCP Gauge Board(Note2)

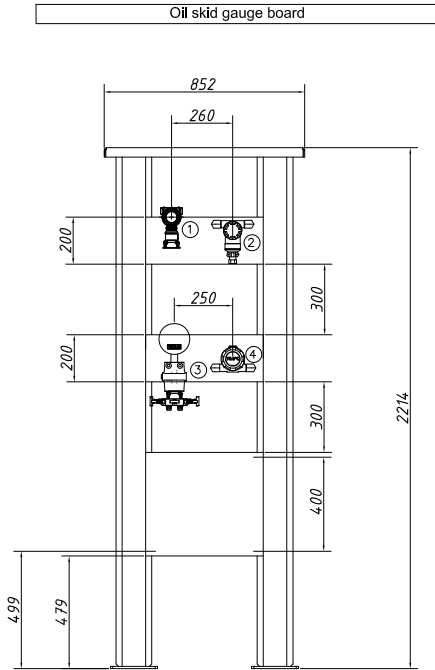
Item No	Tag No	Remark
1	C-TT-2191X	1STG DISCHARGE SNUBBER
2	C-TT-2194X	2nd STAGE DISCHARGE SNUBBER
3	C-TT-2203X	OIL CRANKCASE
4	C-TT-2214X	Main Motor NDE
5	C-TT-2215X	Main Motor DE
6	C-TT-2216X	Comp DE Bearing
7	C-TT-2217X	Packing
8	C-TT-2218X	Comp NDE Bearing
9	C-TT-2219X	Packing
10	C-TT-2220X	Comp Mid Bearing
11	C-PT-2201X	Instrument Air
12	C-PT-2210X	N2 Gas Supply
13	C-PT-2211X	N2 Gas Supply
14	C-PT-2212X	N2 Gas
15	C-LT-2200X	OIL CRANKCASE
16	C-FT-2206X	WATER RETURN
17	C-PDG-2200X	N2 Gas Supply
18	C-PDG-2201X	Instrument Air
19	C-PDG-2205X	Jacket Cooling
20	C-PDG-2206X	Jacket Cooling
21	C-JBU-A-2102X	JB
22	C-JBU-A-2101X	JB
23	C-JBU-A-2103X	JB
24	C-JBU-S-2101X	JB
25	C-JBU-D-2102X	JB
26	C-JBU-A-2104X	JB
27	LCP-2101X	LCP
28	MAIN MOTOR AMMETER	AMMETER ZIGLER 0-125A INSTALL IN LJB-2 WINDOW BOX ALUMINUM EXD IIC T4
29	AUX OIL PUMP AMMETER	AMMETER ZIGLER 0-20A INSTALL IN LJB-2 WINDOW BOX ALUMINUM EXD IIC T4
30	AUX WATER PUMP AMMETER	AMMETER ZIGLER 0-20A INSTALL IN LJB-2 WINDOW BOX ALUMINUM EXD IIC T4
31	MAIN WATER PUMP AMMETER	AMMETER ZIGLER 0-20A INSTALL IN LJB-2 WINDOW BOX ALUMINUM EXD IIC T4
32	OIL COOLER MOTOR A AMMETER	AMMETER ZIGLER 0-20A INSTALL IN LJB-2 WINDOW BOX ALUMINUM EXD IIC T4
33	OIL COOLER MOTOR B AMMETER	AMMETER ZIGLER 0-20A INSTALL IN LJB-2 WINDOW BOX ALUMINUM EXD IIC T4



Ammeter Gauge Board(Note2)



Item No	Tag No	Remark
1	C-TT-2213X	WATER PRESERVER SKID
2	C-TT-2221X	WATER SKID
3	C-PT-2220X	WATER SKID
4	C-LT-2213X	WATER PRESERVER SKID



Item No	Tag No	Remark
1	C-PDT-2204X	OIL SKID FILTER
2	C-PT-2204X	OIL SKID
3	C-PDG-2204X	OIL SKID FILTER
4	C-TT-2204X	OIL SKID

REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.
V05	FEB.2024	AFC	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR	
V04	NOV.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN	
V03	JUNE.2024	AFC	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN	
V02	JUNE.2024	IFR	HAVAYAR CO	M.FAKHARIAN	M.SADEGHIAN	
V01	OCT.2023	IFR	HAVAYAR CO	M.FAKHARIAN	S.FARAMARZPOUR	
V00	SEP.2023	IFR	HAVAYAR CO	M.FAKHARIAN	A.M.MOHSENI	

PROJECT NAME:	BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES
PROJECT NO.:	---
EPC CONTRACTOR:	HIRGAN ENERGY
EPC/EPD CONTRACTOR:	PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE:	LCP AND GAUGE BOARD LAYOUT
SCALE:	A3
SIZE:	BR-GCS-HY-120-IN-PY-0001
SHEET NO.:	15 OF 15
REV.:	V05

REFERENCE DRAWINGS

21
BK-GCS-HY-120-PR-0001
P&I DIAGRAM

22
BK-GCS-HY-120-IN-L-0001
INSTRUMENT CABLE LIST

A0
DWG. NUMBER

Note1 :

X:A COMPRESSOR A
X:B COMPRESSOR B
X:C COMPRESSOR C

Note2 :

C-JBU-D-2102X Will be supplied as loose item.
LCP & Ammeter gauge board will be installed out of compressors skid (Loose item).

Legend :

REV.	DESCRIPTION	BY	DATE
V05	FEB.2024	AFC	HAVAYAR CO
V04	NOV.2024	AFC	HAVAYAR CO
V03	JUNE.2024	AFC	HAVAYAR CO
V02	JUNE.2024	IFR	HAVAYAR CO
V01	OCT.2023	IFR	HAVAYAR CO
V00	SEP.2023	IFR	HAVAYAR CO

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APPROVED FOR CONSTRUCTION BY:

SERIAL NO.

HAVAYAR

IRANIAN NATIONAL PETROLEUM COMPANY

Software AutoCAD File No