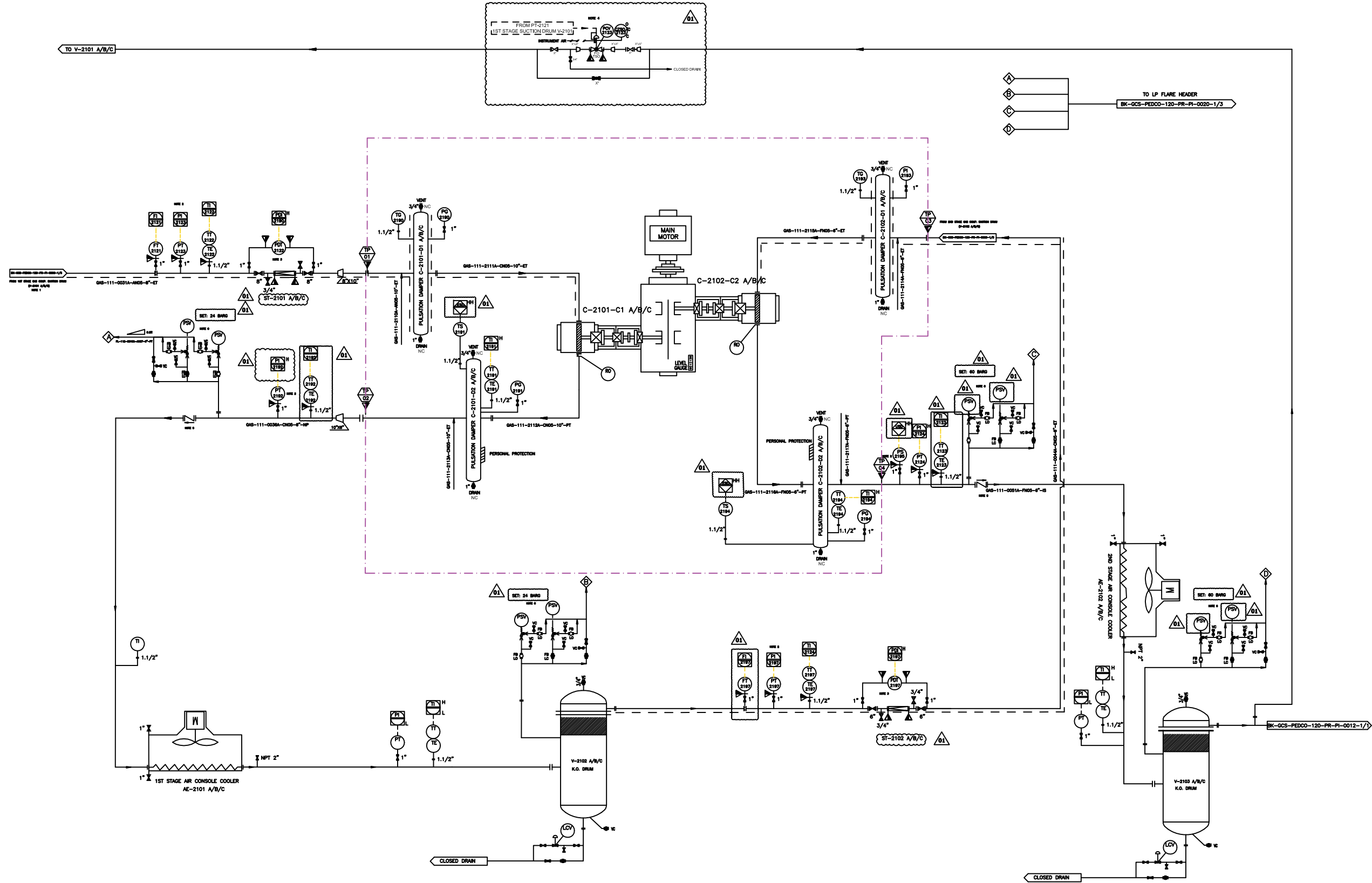




REFERENCE DRAWINGS				DWG. NUMBER
1. MECHANICAL DATA SHEETS FOR GAS COMPRESSOR PACKAGES				BK-GCS-PEDCO-120-ME-01-0001_000
2. P&ID - 1ST STAGE COMPRESSION COMPRESSORS				BK-GCS-PEDCO-120-PR-PH-0007_002
3. P&ID - 2ND STAGE COMPRESSION COMPRESSORS				BK-GCS-PEDCO-120-PR-PH-0010_002

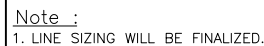
Note :

- COMPRESSOR B AND C ARE SAME AS A.
- INSTRUMENTS WILL BE SUPPLIED LOOSE ON CLIENT LINE.
- THE TEMPORARY FILTER AND PDT WILL BE SUPPLIED LOOSE ON CLIENT LINE.
- SPILL BACK VALVE WILL BE SUPPLIED LOOSE ON CLIENT LINE.
- NON SLAM TYPE CHECK VALVE.
- PSV WILL BE SIZED BY CLIENT.

Legend :

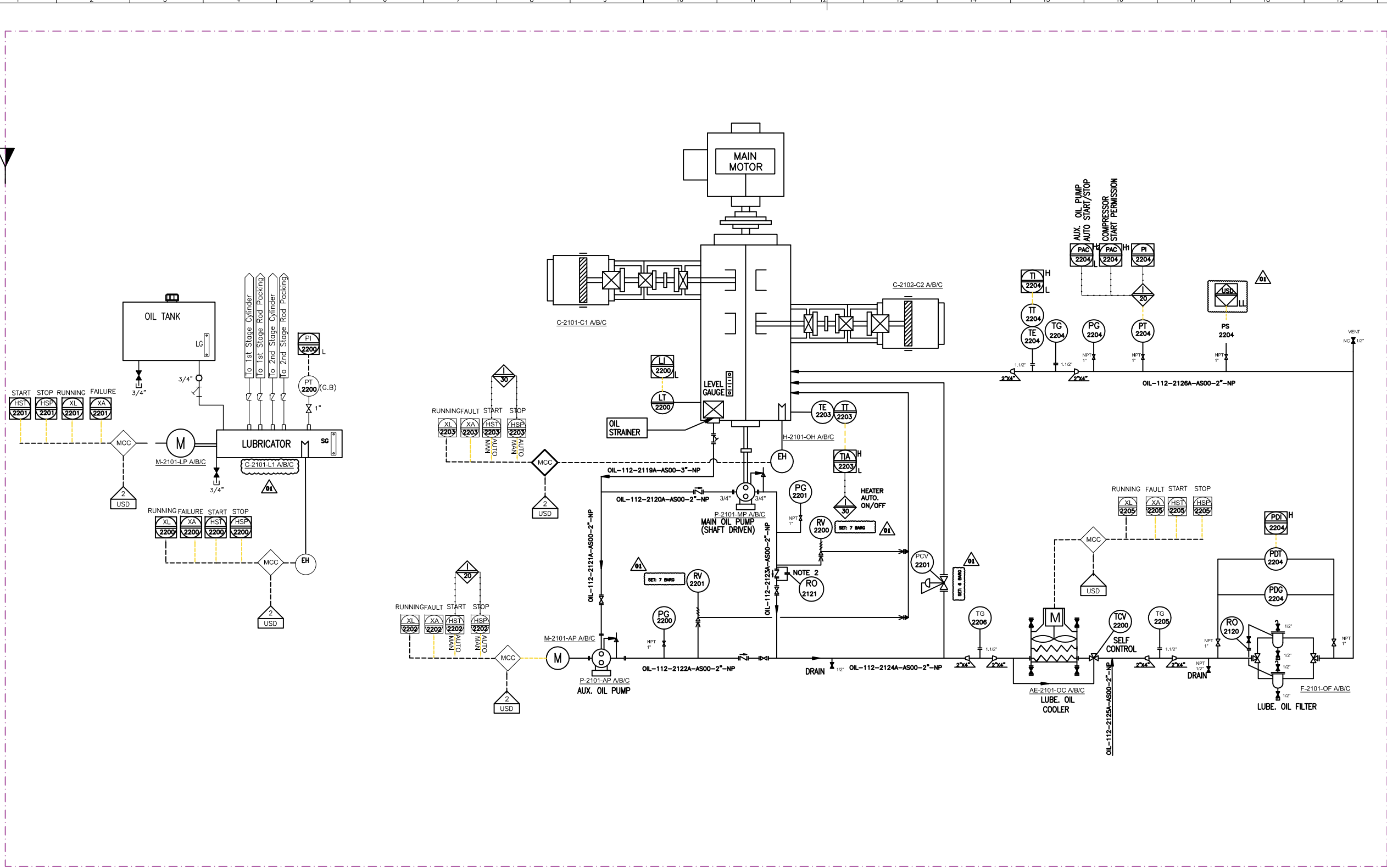
C-2101-C1 A/B/C		C-2102-C2 A/B/C		C-2101-D1 A/B/C		C-2101-D2 A/B/C		C-2102-D1 A/B/C		C-2102-D2 A/B/C	
1ST STAGE COMPRESSOR CYLINDER		2ND STAGE COMPRESSOR CYLINDER		1ST STAGE SUCTION SNUBBER		1ST STAGE DISCHARGE SNUBBER		2ND STAGE SUCTION SNUBBER		2ND STAGE DISCHARGE SNUBBER	
INLET PRESSURE (barg)	4,9	INLET PRESSURE (barg)	17,4	OPERATING PRESSURE (barg)	4,9	OPERATING PRESSURE (barg)	18,25	OPERATING PRESSURE (barg)	17,4	OPERATING PRESSURE (barg)	54,9
OUTLET PRESSURE (barg)	18,25	OUTLET PRESSURE (barg)	54,9	OPERATING TEMPERATURE (°C)	36,8	OPERATING TEMPERATURE (°C)	129	OPERATING TEMPERATURE (°C)	59,9	OPERATING TEMPERATURE (°C)	146
CAPACITY (kg/h)	8935,5	CAPACITY (kg/h)	8935,5	DESIGN PRESSURE (barg)	24,5	DESIGN PRESSURE (barg)	24,5	DESIGN PRESSURE (barg)	60	DESIGN PRESSURE (barg)	60

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Legend :





Note ;
1. LINE SIZING WILL BE FINALIZED.
2. INSTEAD OF RO, DRILLED CHECK VALVE MAY BE USED.

Legend :

P-2101-MP A/B/C	
MAIN OIL PUMP	
DESIGN PRESSURE (barg)	10
RATED POWER	SHAFT DRIVEN
RATED CAPACITY (L/min)	144,1

P-2101-AP A/B/C	
AUX. OIL PUMP	
DESIGN PRESSURE (barg)	10
RATED POWER (kW)	WILL BE FINALIZED
RATED CAPACITY (L/min)	144,1

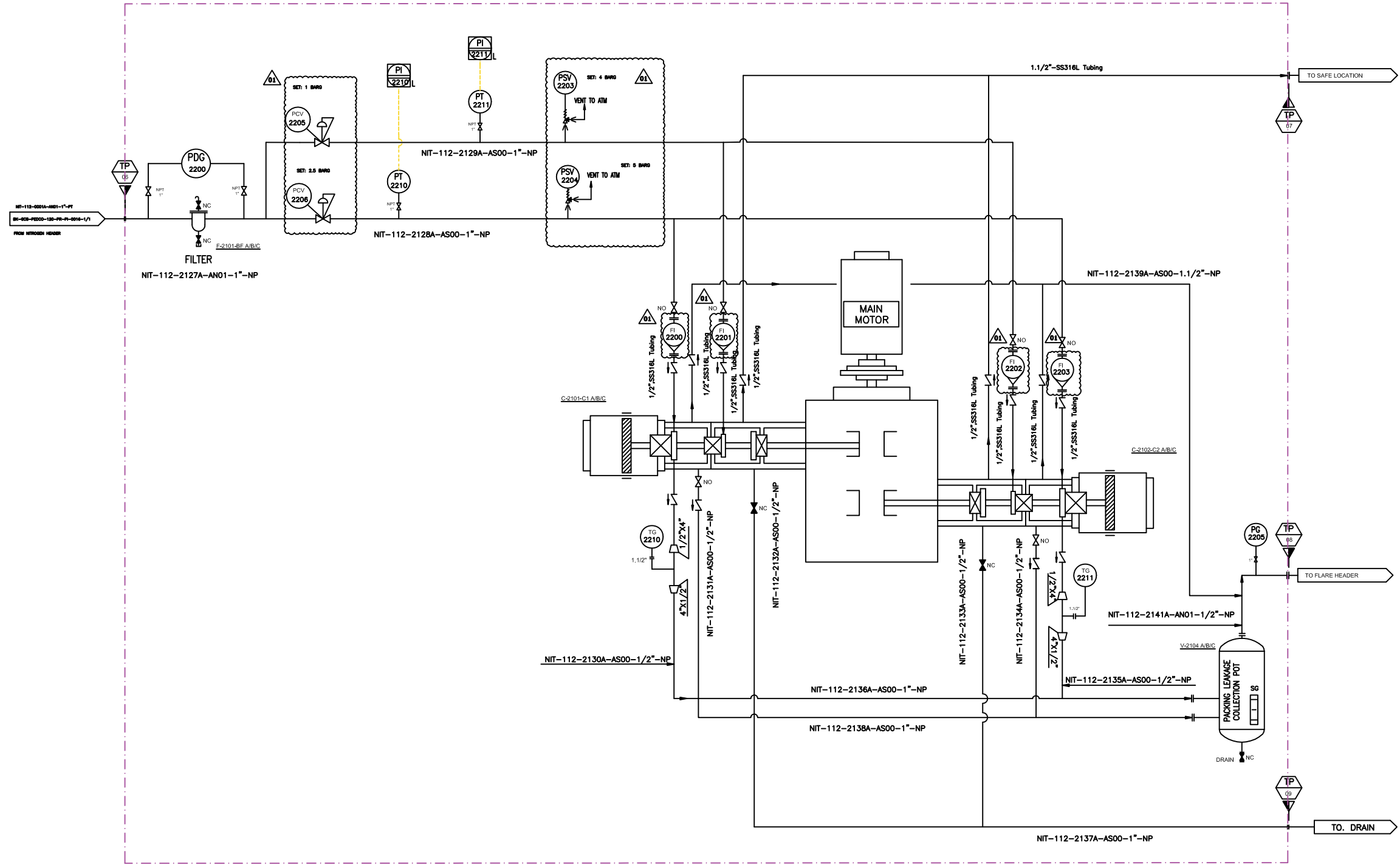
F-2101-OF A/B/C	
LUBE OIL FILTER	
DESIGN PRESSURE (barg)	10
DESIGN TEMPERATURE (°C)	85
MATERIAL	S.S
MESH SIZE (MICRON)	10

AE-2101-OC A/B/C	
LUBE OIL COOLER	
TYPE	AIR COOLER
OPERATING PRESSURE (barg)	5
DESIGN PRESSURE (barg)	10
OPERATING TEMPERATURE (°C)	70/60

V01	MAY 2023	IFR	H.K	M.SH	F.KH	
V00	DEC. 2022	IFR	H.K	M.SH	F.KH	
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 - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: P&I DIAGRAM						
SCALE		SIZE	DRAWING NO.		SHEET NO.	REV.
N.T.S.C.		A3	BK-GCS-HY-120-PR-PI-0001		4 OF 10	V01

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS					
BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION			BY:	DATE:	
SHEET	REVISION	SERIAL NO.	CLASS	SIZE	LOCATION





V-2104 A/B/C	
PACKING LEAKAGE COLLECTING POT	
DESIGN PRESSURE (barg)	5
DESIGN TEMPERATURE (°C)	85
OPERATING PRESSURE (barg)	1.5
MATERIAL	C,S

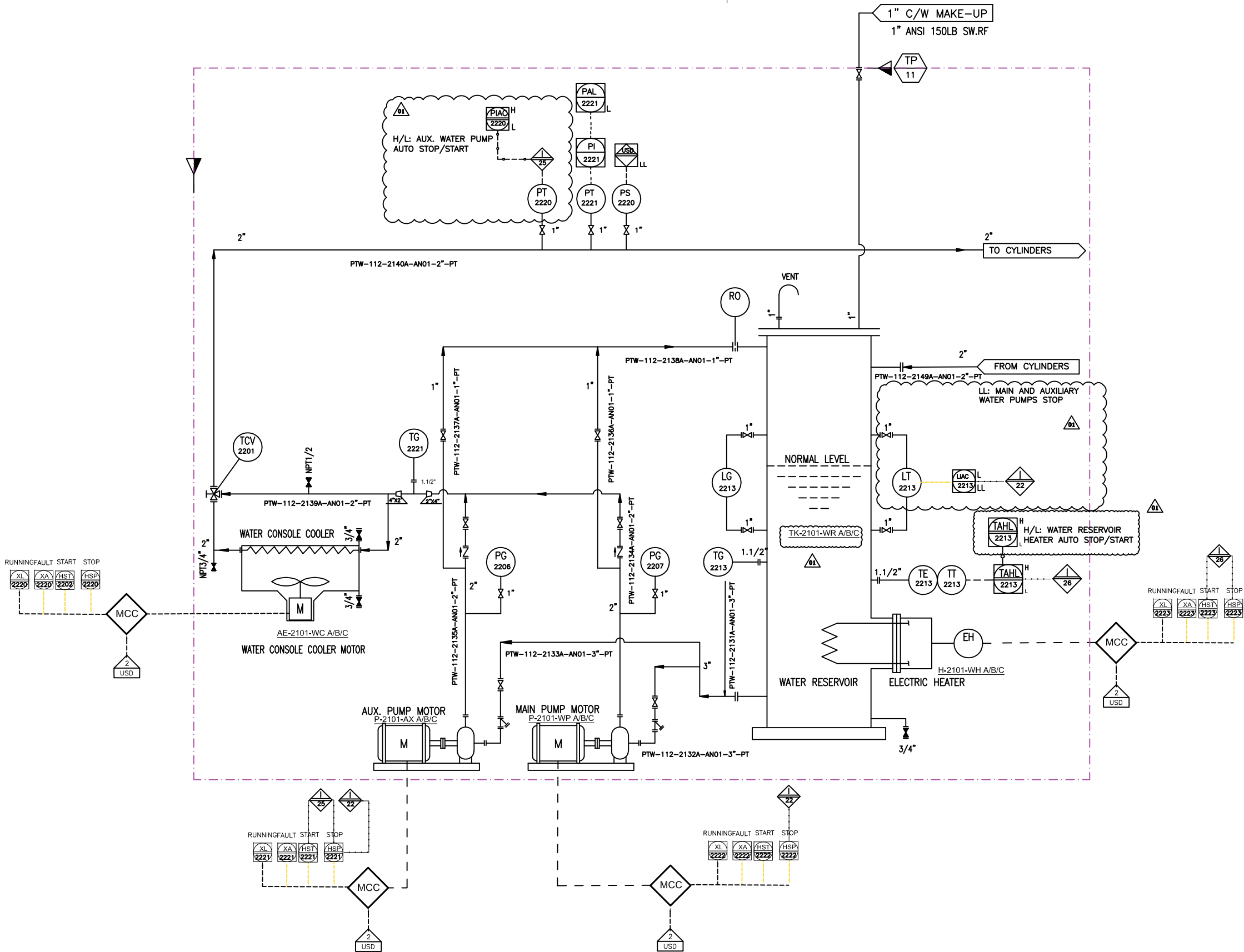
F-2101-BF A/B/C	
BUFFER GAS FILTER	
DESIGN PRESSURE (barg)	10
DESIGN TEMPERATURE (°C)	85
OPERATING PRESSURE (barg)	7.5
MATERIAL	S,S

V01	MAY.2023	IFR	H.K	M.SH	F.KH	
V00	DEC.2022	IFR	H.K	M.SH	F.KH	
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 - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: P&I DIAGRAM						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
N.T.S.C.	A3	BK-GCS-HY-120-PR-PI-0001			5 OF 10	V01

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS						
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

Note :
1. LINE SIZING WILL BE FINALIZED.

Legend :



Note :
1. LINE SIZING WILL BE FINALIZED.

Legend :

AE-2101-WC A/B/C

WATER COOLER

TYPE	AIR COOLER
DESIGN PRESSURE (barg)	7
OPERATING PRESSURE (barg)	3
DESIGN TEMPERATURE (°C)	85
OPERATING TEMPERATURE (°C)	65/58

P-2101-WP A/B/C

MAIN WATER PUMP

TYPE	CENTRIFUGAL
RATED POWER (KW)	WILL BE FINALIZED
OPERATING CAPACITY (TON/H)	17.27
RATED HEAD (M)	40

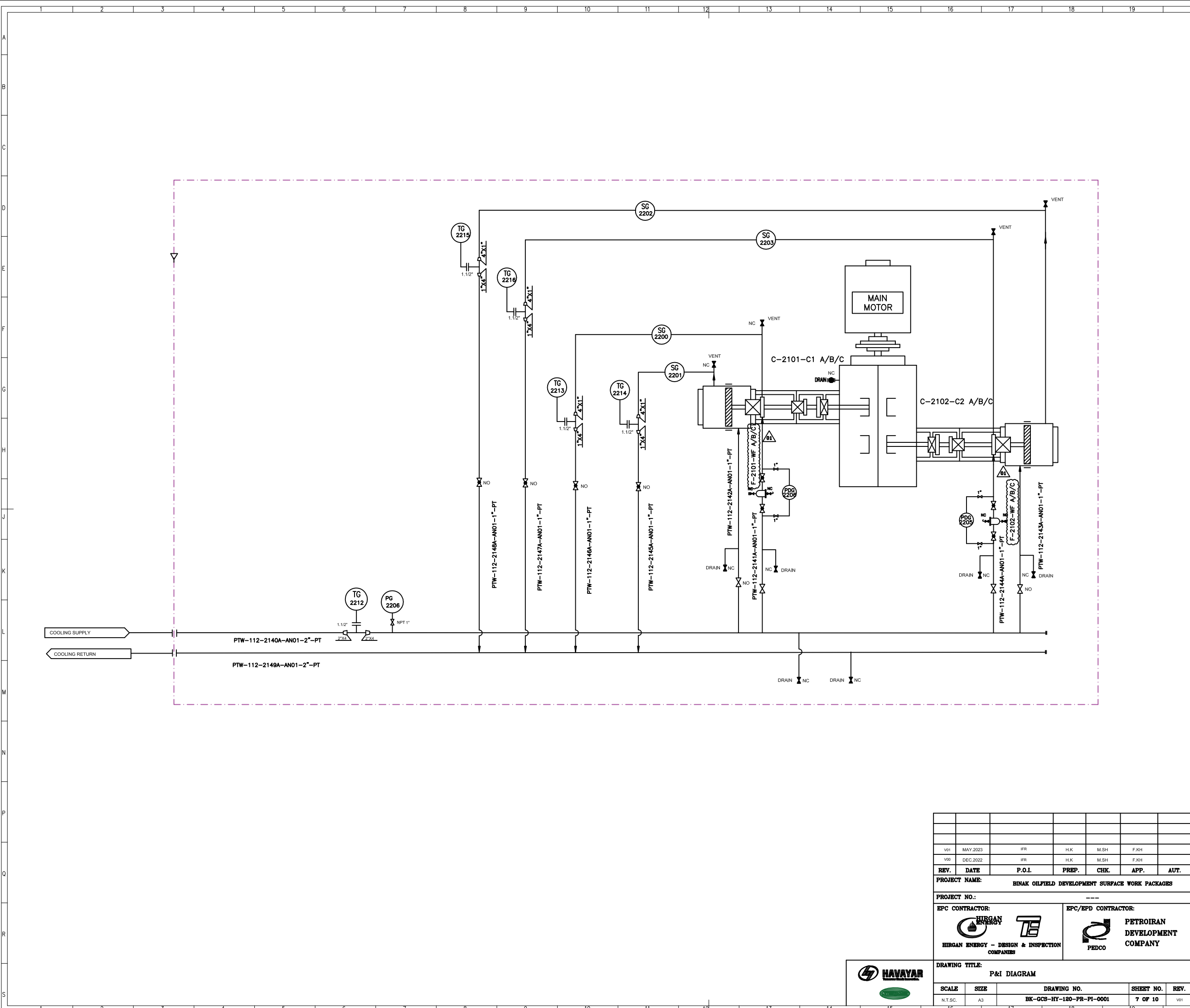
P-2101-AX A/B/C

AUX. WATER PUMP

TYPE	CENTRIFUGAL
RATED POWER (KW)	WILL BE FINALIZED
OPERATING CAPACITY (TON/H)	17.27
RATED HEAD (M)	40

V01	MAY. 2023	IFR	H.K	M.SH	F.KH	
V00	DEC. 2022	IFR	H.K	M.SH	F.KH	
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 - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: P&I DIAGRAM						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
N.T.S.C.	A3	BK-GCS-HY-120-PR-PI-0001			6 OF 10	V01

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



REFERENCE DRAWINGS
P&ID - 1ST STAGE COMPRESSION COMPRESSORS
P&ID - 2ND STAGE COMPRESSION COMPRESSORS

DWG. NUMBER
BK-GCS-PEDCO-120-PR-PI-0001_002
BK-GCS-PEDCO-120-PR-PI-0010_002

Note :
1. LINE SIZING WILL BE FINALIZED.

Legend :

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
V01	MAY 2023	IFR	H.K	M.SH	F.KH
V00	DEC.2022	IFR	H.K	M.SH	F.KH

PROJECT NAME: **BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES**

PROJECT NO.: ---

EPC CONTRACTOR:

HIRGAN ENERGY
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPC/EPD CONTRACTOR:

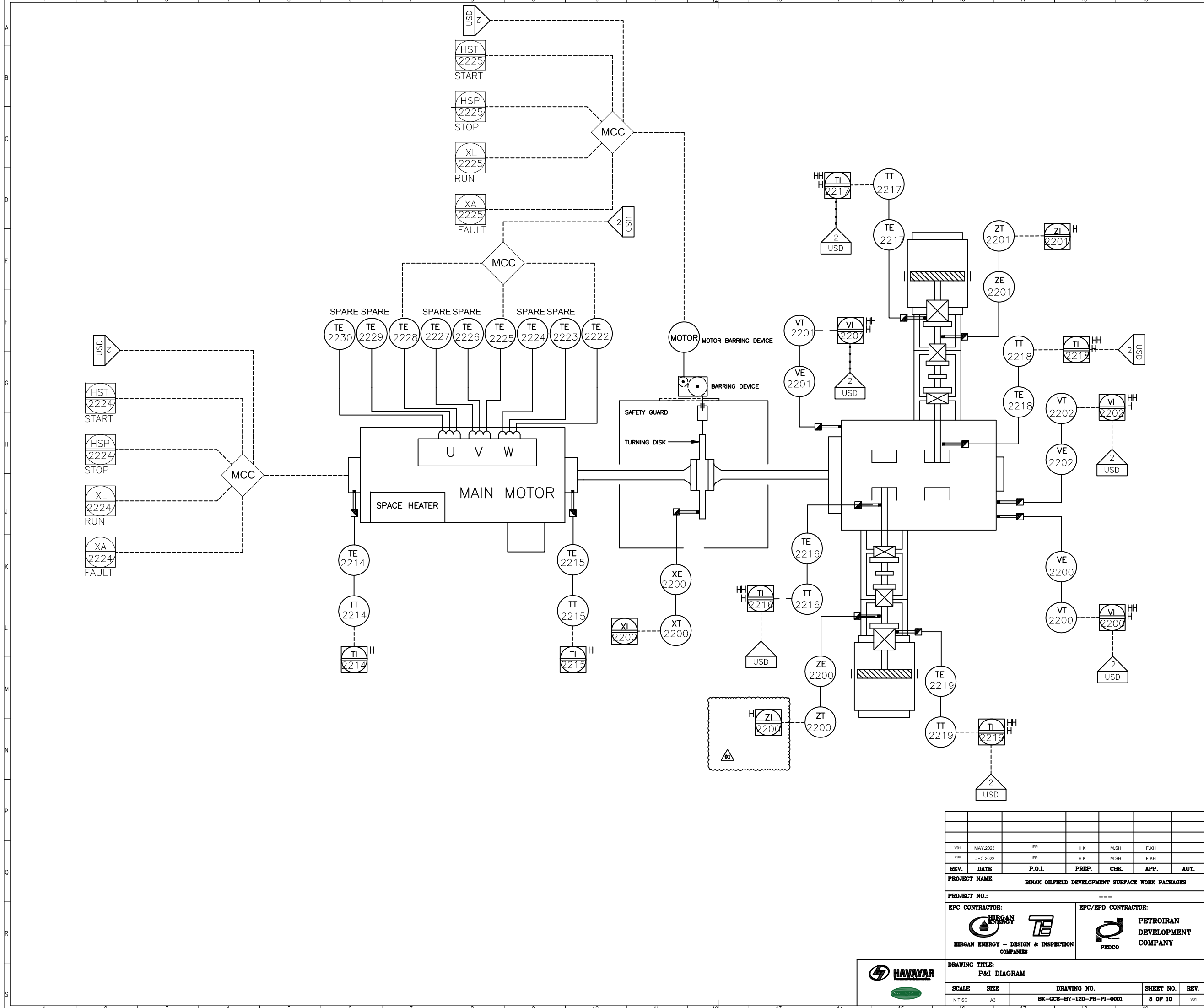
PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE:
P&I DIAGRAM

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
N.T.S.C.	A3	BK-GCS-HY-120-PR-PI-0001	7 OF 10	V01

HAVAYAN
Engineering & Construction

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				
APPROVED FOR CONSTRUCTION		BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.



REFERENCE DRAWINGS

DWG. NUMBER

Note :

Legend :

REV.	DESCRIPTION	BY	DATE	BY	DATE
V01	MAY 2023	IFR	H.K	M.SH	F.KH
V00	DEC.2022	IFR	H.K	M.SH	F.KH

PROJECT NAME:

BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

PROJECT NO.:

EPC CONTRACTOR:

HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPC/EPD CONTRACTOR:

PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE:

P&I DIAGRAM

SCALE

SIZE

DRAWING NO.

SHEET NO.

REV.

BUDGET REF.

LOCATION

SIZE

CLASS

SERIAL NO.

SHEET

REVISION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION

BY:

DATE:

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Software

Autocad

File No BK-GCS-HY-120-PR-PI-0001-01.dwg

LOCAL CONTROL STATION

MAIN MOTOR RUNNING	OIL HEATER RUNNING	AUX OIL PUMP MOTOR RUNNING	OIL COOLER MOTOR RUNNING	LUB HEATER RUNNING	LUBRICATOR MOTOR RUNNING	MAIN WATER PUMP MOTOR RUNNING	AUX WATER PUMP MOTOR RUNNING	WATER HEATER RUNNING	WATER COOLER RUNNING	BARRING MOTOR RUNNING
XL/L 2234	XL/L 2230	XL/L 2231	XL/L 2235	XL/L 2232	XL/L 2233	XL/L 2237	XL/L 2238	XL/L 2239	XL/L 2240	XL/L 2241
MAIN MOTOR START	OIL HEATER ON	AUX OIL PUMP MOTOR START	OIL COOLER MOTOR START	LUB HEATER ON	LUBRICATOR MOTOR START	MAIN WATER PUMP MOTOR START	AUX WATER PUMP MOTOR START	WATER HEATER ON	WATER COOLER START	BARRING MOTOR START
HST/L 2237	HST/L 2238	HST/L 2239	HST/L 2240	HST/L 2242	HST/L 2243	HST/L 2244	HST/L 2245	HST/L 2246	HST/L 2247	HST/L 2248
MAIN MOTOR STOP	OIL HEATER OFF	AUX OIL PUMP MOTOR STOP	OIL COOLER MOTOR STOP	LUB HEATER OFF	LUBRICATOR MOTOR STOP	MAIN WATER PUMP MOTOR STOP	AUX WATER PUMP MOTOR STOP	WATER HEATER OFF	WATER COOLER STOP	BARRING MOTOR STOP
HSP/L 2237	HSP/L 2238	HSP/L 2239	HSP/L 2240	HSP/L 2242	HSP/L 2243	HSP/L 2244	HSP/L 2245	HSP/L 2246	HSP/L 2247	HSP/L 2248
LOCAL/REMOTE	READY TO START	RESET	LAMP TEST	COMMON ALARM	COMMON SHUT DOWN	AUX OIL PUMP M-O-A	OIL COOLER M-O-A	MAIN OIL PUMP M-O-A	AUX WATER PUMP M-O-A	WATER COOLER M-O-A
HSC/L 2230	XL/L 2242	HSC/L 2250	HSC/L 2236	XA/L 2243	XA/L 2244	HSC/L 2230	HSC/L 2231	HSC/L 2233	HSC/L 2234	HSC/L 2235
				EMERGENCY SHUT DOWN	LOCAL MANU LOAD 0%-25%-50%-75%-100% SW					
				HSC/L 2237	HSC/L 2237					

Note :

Legend :

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
V01	MAY.2023	IFR	H.K	M.SH	F.KH	
V00	DEC.2022	IFR	H.K	M.SH	F.KH	

PROJECT NAME: BINAQ OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

PROJECT NO: ---

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPC/EPD CONTRACTOR: PETROIRAN DEVELOPMENT COMPANY

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

DRAWING TITLE: P&I DIAGRAM

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
N.T.S.C.	A3	BK-GCS-HY-120-PR-PI-0001	9 OF 10	V01							

Legend

LOCAL CONTROL STATION

MAIN MOTOR RUNNING	OIL HEATER RUNNING	AUX OIL PUMP MOTOR RUNNING	OIL COOLER MOTOR RUNNING	LUB HEATER RUNNING	LUBRICATOR MOTOR RUNNING	MAIN WATER PUMP MOTOR RUNNING	AUX WATER PUMP MOTOR RUNNING	WATER HEATER RUNNING	WATER COOLER RUNNING	BARRING MOTOR RUNNING
XL/L 2234	XL/L 2230	XL/L 2231	XL/L 2235	XL/L 2232	XL/L 2233	XL/L 2237	XL/L 2238	XL/L 2239	XL/L 2240	XL/L 2241
MAIN MOTOR START	OIL HEATER ON	AUX OIL PUMP MOTOR START	OIL COOLER MOTOR START	LUB HEATER ON	LUBRICATOR MOTOR START	MAIN WATER PUMP MOTOR START	AUX WATER PUMP MOTOR START	WATER HEATER ON	WATER COOLER START	BARRING MOTOR START
HST/L 2237	HST/L 2238	HST/L 2239	HST/L 2240	HST/L 2242	HST/L 2243	HST/L 2244	HST/L 2245	HST/L 2246	HST/L 2247	HST/L 2248
MAIN MOTOR STOP	OIL HEATER OFF	AUX OIL PUMP MOTOR STOP	OIL COOLER MOTOR STOP	LUB HEATER OFF	LUBRICATOR MOTOR STOP	MAIN WATER PUMP MOTOR STOP	AUX WATER PUMP MOTOR STOP	WATER HEATER OFF	WATER COOLER STOP	BARRING MOTOR STOP
HSP/L 2237	HSP/L 2238	HSP/L 2239	HSP/L 2240	HSP/L 2242	HSP/L 2243	HSP/L 2244	HSP/L 2245	HSP/L 2246	HSP/L 2247	HSP/L 2248
LOCAL/REMOTE	READY TO START	RESET	LAMP TEST	COMMON ALARM	COMMON SHUT DOWN	AUX OIL PUMP M-O-A	OIL COOLER M-O-A	MAIN OIL PUMP M-O-A	AUX WATER PUMP M-O-A	WATER COOLER M-O-A
HSC/L 2230	XL/L 2242	HSC/L 2250	HSC/L 2236	XA/L 2243	XA/L 2244	HSC/L 2230	HSC/L 2231	HSC/L 2233	HSC/L 2234	HSC/L 2235
				EMERGENCY SHUT DOWN	LOCAL MANU LOAD 0%-25%-50%-75%-100% SW					
				HSC/L 2237	HSC/L 2237					

Note :

Legend :

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
V01	MAY.2023	IFR	H.K	M.SH	F.KH	
V00	DEC.2022	IFR	H.K	M.SH	F.KH	

PROJECT NAME: BINAQ OILFIELD DEVELOPMENT SURFACE WORK PACKAGES

PROJECT NO: ---

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

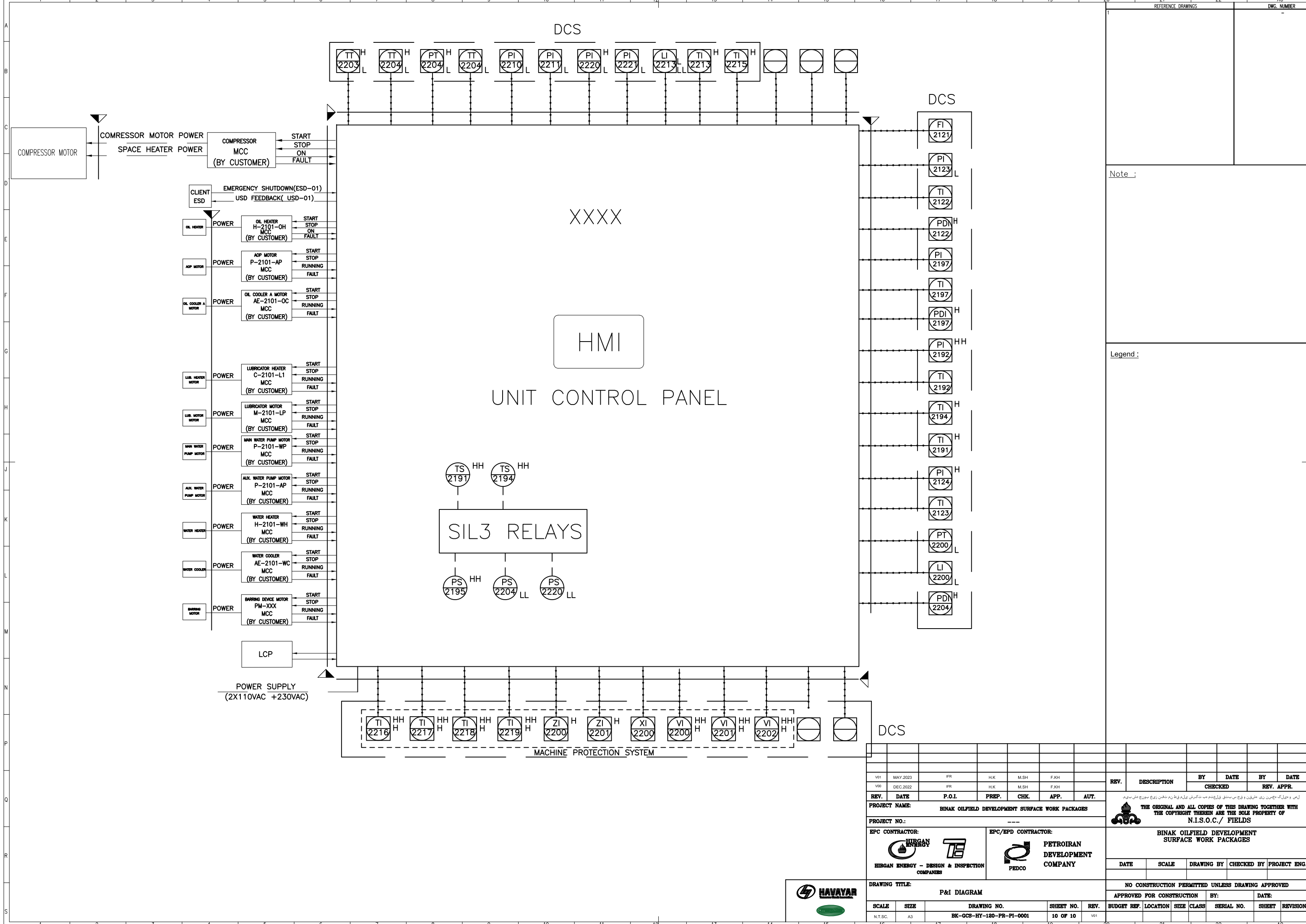
EPC/EPD CONTRACTOR: PETROIRAN DEVELOPMENT COMPANY

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

DRAWING TITLE: P&I DIAGRAM

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
N.T.S.C.	A3	BK-GCS-HY-120-PR-PI-0001	9 OF 10	V01							



Note :

Legend :

V01	MAY 2023	IFR	H.K	M.SH	F.KH		REV.	DESCRIPTION	BY	DATE	BY	DATE		
V00	DEC 2022	IFR	H.K	M.SH	F.KH				CHECKED	REV. APPR.				
REV.	DATE	P.O.I.	PREP.	CHK.	APP.	AUT.								
PROJECT NAME:							BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES							
PROJECT NO.:							---							
EPC CONTRACTOR:			EPC/EPD CONTRACTOR:				BINAK OILFIELD DEVELOPMENT SURFACE WORK PACKAGES							
  HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY											
DRAWING TITLE:							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							
P&I DIAGRAM							APPROVED FOR CONSTRUCTION							
SCALE		SIZE		DRAWING NO.		SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
N.T.S.C.		A3		BK-GCS-HY-120-PR-PI-0001		10 OF 10	V01							