	1. UNIT IDENTIFIC	ATION NU	IMBER		2. GEN	ERAL NOTES		NOTES
						T	RF : RAISED FACE	
					2.1 GENERAL NOTES	2.2 ABBREVIATIONS 2.2.1 VALVE & CONTROL VALVE	RS : REMOVABLE SPOOL RSP : RING SPACER	
					1- THE SIMPLIFY ROUTING OF PROCESS FLOW LINES, SOME PIECES OF EQUIPMENT MAY APPEAR IN MORE THAN ONE PLACE ON THE FLOW DIAGRAM	BDV : BLOWDOWN VALVE	RTJ : RING TYPE JOINT	
PLANT NO & ABBREVIATI	ION PLANT DESCRIPTION	UNIT NO	UNIT DESCRIPTION	ABBREVIATION	1 2- Instrument identification as illustrated are based on IPS-E-PR-230	BV : BALL VALVE	SB : SPECTACLE BLIND SO : SLIP ON	
120 : 2	COMPRESSOR STATION	1	PROCESS	21	AND THE INSTRUMENT SOCIETY OF AMERICA STANDARDS S_5.1 AND S_5.3. 3- WHEN NECESSARY PIPING AND / OR EQUIPMENT SYMBOLS MAY BE INCLUDED	CAO : CLOSE—AUTOMATIC—OPEN	SPB : SPADE BLIND	
120 : 2	COMPRESSOR STATION	2	UTILITY	22	AS PART OF AN INSTRUMENT LOOP. 4— DIMENSION FROM CENTER OF LC BALLOON TO TANGENT LINE OR BOTTOM OF	CCL : CABLE CONTROL CHV : CHECK VALVE	SS : STAINLESS STEEL SW : SOCKET WELD	
120 : 2	COMPRESSOR STATION	3	FIRE WATER	23	HORIZONTAL VESSEL INDICATES NORMAL LEVEL. 5- DIMENSION UNDER LC BALLOON INDICATES FLOAT RANGE. 6 DIMENSION UNDER LC BALLOON INDICATES VESSELE CLASS LENCTH	CO : CHAIN OPERATED	VB : VAPOR BLIND	
					6- DIMENSION UNDER LC BALLOON INDICATES VISIBLE GLASS LENGTH. 7- DIMENSION UNDER LS BALLOON INDICATES POINT OF ACTUATION OF LS UNIT ABOVE TANCENT LINE OR BOTTOM OF HORIZONTAL VESSEL	CSC : CAR SEALED CLOSED	WN : WELD NECK 2.2.3 OTHERS	
					ABOVE TANCENT LINE OR BOTTOM OF HORIZONTAL VESSEL. 8 - PIPING COMPONENTS NOT IDENTIFIED BY INSTRUMENT OR MECHANICAL EQUIPMENT, NUMBER, ETC. AND NOT COVERED BY THE PIPING MATERIAL SPECIFICATION, ARE	CSO : CAR SEALED OPEN	A/G : ABOVE GROUND B.L : BATTERY LIMIT VB : VORTEX BREAKER	
					NOMBER, EIC. AND NOT COVERED BY THE PIPING MATERIAL SPECIFICATION, ARE IDENTIFIED BY SPECIAL ITEM NUMBER. 9 ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFICALLY NOTED.	D : DRAIN ESDV : EMERGRNCY SHUTDOWN VALVE	COF : CENTER OF FLOAT AS : INSTRUMENT AIR SUPPLY	
					10- HIGH POINT VENTS AND LOW POINT DRAINS USED FOR HYDRAULIC TEST PURPOSES ONLY SHALL BE PROVIDED BUT ARE NOT SHOWN ON THE P & ID.	FB : FULL BORE	DP : DESIGN PRESSURE CC/CP : CORROSION PROB AND COUPON ELEV : ELEVATION CT : CORROSION TRANSMITTER	
					VENT FOR HYDRAULIC TEST PURPOSE SHALL BE PROVIDED ONLY FOR 2" AND LARGER LINE.	FC : FAIL CLOSED (CLOSE ON MINIMUM SIGNAL TO VALVE ACTUATOR)	EM : EMERGENCY VENT ZS : PIG SIGNALER	
			1		11 — PROVIDE DOUBLE ISOLATION VALVES (BALL VALVES AND BLEED VALVES) FOR VENT TO ATMOSPHERIC FOR HYDROCARBON SERVICES WHICH ARE ABOVE 300 # RATING. FOR 300 # RATING AND UNDER ONE SINGLE BALL VALVE. FOR ACID GAS SYSTEM	FCV : FLOW CONTROL VALVE	F : FURNISHED ZI : PIG INDICATOR F&P : FURNISHED & PIPED (BS : BIRD SCREEN)	
			1	+	FOR 300# RATING AND UNDER ONE SINGLE BALL VALVE, FOR ACID GAS SYSTEM VENTS AND DRAINS USE DOUBLE ISOLATION BALL VALVE FOR ALL CLASSES. FOR RELIEF VALVE BYPASS, IN CLASS OF 600# AND HIGHER, DOUBLE ISOLATION VALVE	FD : FLEX DISC VALVE FL : FAIL LOCKED	GH : GAUGE HATCH EXJ : EXPANSION JOINT	
		1	1		(SINGLE BALL VALVE + GLOBE VALVE) FOR 300# AND UNDER ONE SINGLE BALL VALVE.	FLC : FAIL LOCKED CLOSED: VALVE POSITION DOES NOT CHANGE ON	HHLL : HIGH HIGH LIQUID LEVEL HIPPS : HIGH INTEGRITY PRESSURE PROTECTION SYSTEM	LEGEND
					12— ALL DRAINS TO ATMOSPHERE ARE BALL VALVE WITH CAP. FOR ALL CLASS RATING. FOR PIPING CLASS 600# AND HIGHER USE DOUBLE BLOCK VALVES FOR 2* AND HIGHER.	LOSS OF ACTUATING MEDIUM SUPPLY	HIL : HIGH INTERFACE LIQUID LEVEL	12
					13— VALVED VENT SHALL BE INSTALLED AT VAPOR POCKET OF 14" AND LARGER LIQUID LINE.	FLO : FAIL LOCKED OPEN: VALVE POSITION DOES NOT CHANGE ON LOSS OF ACTUATING MEDIUM SUPPLY	HLL : HIGH LIQUID LEVEL JJ : ISOLATION JOINT	
					14— VALVED DRAIN ON SUCTION PIPING OF PUMP EXCEPT CLEAN SERVICE SHALL BE LED TO DRIP FUNNEL WITH EXTENDED TAIL PIPE PLUGGED AT END OR FLANGED WITH		U : ISOLATION JOINT LF : LIQUID FOAM	
					SPECTACLE BLIND INSERTED AS SHOWN. 15 - ALL CLOSED PRESSURE RELIFE VALVE DISCHARGE LEADS SHALL BE FREE DRAINING FROM PRESSURE RELIFE VALVE TO THE TOP OR SIDE OF THE DISCHARGE HEADER.	FP : FULL PORT GM : GEAR OPERATED AND MOTORIZED VALVE	LIL : LOW INTERFACE LIQUID LEVEL	
					16- 9MM WEEP HOLES ARE PROVIDED AT LOW POINTS OF PRESSURE RELIFE VALVE AND RAPTURE DISC DISCHARGING TO ATMOSPHERE.	GO : GEAR OPERATED VALVE	LLL : LOW LIQUID LEVEL LLLL : LOW LOW LIQUID LEVEL	
					17- DEFINITIONS :	IAV : ACOUSTICAL INSULATED VALVE	MH : MANHOLE	
					(1) FREE DRAINING : LINE TO BE ROUTED TO A POINT DESIGNATED WITH NO LIQUID POCKET AND NO VAPOR POCKET IN THE	IHV : HOT INSULATED VALVE	NIL : NORMAL INTERFACE LIQUID LEVEL NLL : NORMAL LIQUID LEVEL	
					LINE.	LBV : LINE BREAK VALVE LC : LOCKED CLOSED	NNF : NORMALLY NO FLOW	REFERENCE DRAWING DRG. No.
					LAYOUT:	LC : LOCKED CLOSED LCV : LEVEL CONTROL VALVE	P : PRESSURE P & ID : PIPING & INSTRUMENTATION DIAGRAM	***************************************
					FLOW: A — B	LO : LOCKED OPEN	PB : PUSH BUTTON	
						MOV : MOTOR OPERATED VALVE	PFD : PROCESS FLOW DIAGRAM PO : PUMP OUT	
					(0) 010000 1115	NC : NORMALLY CLOSED	PTC : PRESSURE TEST CONNECT	
					(2) SLOPED LINE : ELEVATION CHANGES ARE CONTINUOUSLY DOWNWARD ONLY. NO POCKETS ARE PERMITTED. SPECIFIC SLOPES REQUIRED ARE SHOWN BY SYMBOL.	NO : NORMALLY OPEN NV : NEEDLE VALVE	PV : PROCESS VARIABLE RES : RESIDUE	
						ORB : ORBIT VALVE	RG : REFRIGERANT GAS	
					LAYOUT:	OV : OPERATING VALVE	RL : REFRIGERANT LIQUID RO : RESTRICTION ORIFICE	
					FLOW: A B	P : PLUGGED	RS : REMOTE SETPOINT	
					16011.70	PCV : PRESSURE REGULATOR/ PRESSURE CONTROL VALVE PIVA : POST INDICATOR VALVE	RTD : RESISTANCE TEMPERATURE DETECTOR RVP : REID VAPOR PRESSURE	
						PSE : RUPTURE DISK ASSEMBLY (PRESSURE SAFETY EQUIPMENT)	SC : SAMPLE CONNECTION	KEY PLAN
					(3) NO LIQUID POCKET : NO LIQUID POCKET IN THE LINE.	PSV : PRESSURE SAFETY RELIFE VALVE	SCL : SAMPLE COOLER SF : SOLUTION FOAM	
					LAYOUT:	PVSV : PRESSURE / VACUUM VALVE	SG : SIGHT GLASS	
						SR : SPLIT RANGE SS : SOFT SEAT VALVE	SP : SET POINT SP. GR.: RELATIVE MASS DENSITY (SPECIFIC GRAVITY)	
					D	SS : SUFT SEAT VALVE ST : STELLITE VALVE	TL/TL : TANGENT TO TANGENT	
					FLOW: A — B	T : TRAP	TW : THERMO-WELL TX : SKIN TEMPERATURE	
					(4) NO VAPOR POCKET : NO VAPOR POCKET IN THE LINE.	TCV : TEMPERATURE CONTROL VALVE	TXE : SKIN T/C ELEMENT	
						TSO : TIGHT SHUT-OFF VALVE	UC : UTILITY CONNECTION UFD : UTILITY FLOW DIAGRAM	
					A B	V : VENT WR(J) : JACKETED PLUG VALVE	U/G : UNDER GROUND	
						WV : WARNING VALVE	VB : VORTEX BREAKER	
					FLOW: A — B	X : TYPE 316 STAINLESS STEEL TRIM VALVE		
						XV : MULTIVARIABLE FINAL ELEMENT (ON/OFF VALVE)		
					(5) GRAVITY FLOW : ELEVATION DOWNSTREAM NEVER EXCEED INLET ELEVATIONS. LINE MAY CONTAIN LIQUID POCKETS	XX : 18-8 STAINLESS STEEL TRIM VALVE	DO6 NOV.2024 AFC MARYAFAR MFARHARIAN MSADESHIAN	
					AND VAPOR POCKETS.	2.2.2 PIPING	DO5 NOV.2024 APC MARYAPAR M.PANHARIAN M.SIDESHIAN ↔ ↔ D04 APR.2023 APC MARYAPAR M.PANHARIAN A.M. MORSEN ↔ ↔	
					LAYOUT:	CS : CARBON STEEL	DOS NOV.2022 APC MARYAPAR M.PAKHARIAN M.MEHRSHAD ↔,↔	000 0000000000 00,000 000,0000 00,000
					A —]	DN : DIAMETER NOMINAL	DO1 JAN.2022 IFA MARYAPAR M.PAKHARIAN M.MEHRSHAD ↔,↔	REV. DESCRIPTION BY DATE BY DATE
						FF : FLAT FACE FS : FORGED STEEL	DOO OCT.2021 IFC MARYAPAR M.PARHAMAN F.HAWAND **.** REV. DATE P.O.I.S PREP. CHK. APP. AUT.	CHECKED REV. APPR.
						GA : GALVANIZED	PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION	THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THERRIN ARE THE SOLE PROPERTY OF
					FLOW: A → B	GRP : GLASS REINFORCED PLASTIC	PROJECT NO.: 971020	N.I.S.O.C./ FIELDS
						HB : HAMMER BLIND	EPC CONTRACTOR: EPD/EPC CONTRACTOR (GC): HIRGAN DPTPOIDAN	BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES
						IC : INSULATED COLD	PETROIRAN DEVELOPMENT	GAS COMPRESSOR STATION
						IH : INSULATED HOT IS : INSULATED FOR PERSONNEL PROTECTION	HIRGAN ENERGY - DESIGN & INSPECTION PEDCO COMPANY	DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.
						PB : PRESSURE BLIND	DRAWING TITLE: Symbol & Legend For PFD and P&ID	NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
						PN : PRESSURE NOMINAL (VENDOR TITLE	E BLOCK)**	APPROVED FOR CONSTRUCTION BY: DATE: BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION
						PRV : PRESSURE REGULATOR VALVE		063-073-9184 F 2 A 708779 1 0F 8 D06













