1. UNIT IDENTIFICATION NUMBER					2. GENERAL NOTES							NOTES		
									RF : RAISED FAC	E				
					2.1 GENERAL NOTES		ABBREVIATIONS		RS : REMOVABLE					
					1- THE SIMPLIFY ROUTING OF PROCESS FLOW LINES, SOME PIECES OF EQUIPMENT MAY APPEAR IN MORE THAN ONE PLACE ON THE FLOW DIAGRAM		VALVE & CONTROL VALVE		RSP : RING SPACE RTJ : RING TYPE (
PLANT NO & ABBREVIA	ATION PLANT DESCRIPTION	UNIT NO	UNIT DESCRIPTION	ABBREVIATION	EQUIPMENT SO DUPLICATED WILL BE INDICATED BY DASHED LINES.		: BLOWDOWN VALVE : BALL VALVE		SB : SPECTACLE	BLIND				
120 : 2	COMPRESSOR STATION	1	PROCESS	21	2- INSTRUMENT IDENTIFICATION AS ILLUSTRATED ARE BASED ON IPS-E-PR-230 AND THE INSTRUMENT SOCIETY OF AMERICA STANDARDS S_5.1 AND S_5.3.		: CLOSE-AUTOMATIC-OPEN		SO : SLIP ON					
120 : 2		· ·	UTILITY	22	3- WHEN NECESSARY PIPING AND / OR EQUIPMENT SYMBOLS MAY BE INCLUDED AS PART OF AN INSTRUMENT LOOP.		: CABLE CONTROL		SPB : SPADE BLIN SS : STAINLESS :					
	COMPRESSOR STATION	2			4- DIMENSION FROM CENTER OF LC BALLOON TO TANGENT LINE OR BOTTOM OF HORIZONTAL VESSEL INDICATES NORMAL LEVEL.		: CHECK VALVE		SW : SOCKET WE					
120 : 2	COMPRESSOR STATION	3	FIRE WATER	23	5- DIMENSION UNDER LC BALLOON INDICATES FLOAT RANGE. 6- DIMENSION UNDER LC BALLOON INDICATES VISIBLE GLASS LENGTH.	со	: CHAIN OPERATED		VB : VAPOR BLIN					
					7- DIMENSION UNDER LS BALLOON INDICATES POINT OF ACTUATION OF LS UNIT	csc	: CAR SEALED CLOSED		WN : WELD NECK 2.3 OTHERS	(
					ABOVE TANGENT LINE OR BOTTOM OF HORIZONTAL VESSEL. 8- PIPING COMPONENTS NOT IDENTIFIED BY INSTRUMENT OR MECHANICAL EQUIPMENT,	cso	: CAR SEALED OPEN		A/G : ABOV					
					NUMBER, ETC. AND NOT COVERED BY THE PIPING MATERIAL SPECIFICATION, ARE IDENTIFIED BY SPECIAL ITEM NUMBER.	D	: DRAIN		BL : BATTE					
					9- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFICALLY NOTED. 10- HIGH POINT VENTS AND LOW POINT DRAINS USED FOR HYDRAULIC TEST		: EMERGRNCY SHUTDOWN VALVE			GN PRESSURE				
					PURPOSES ONLY SHALL BE PROVIDED BUT ARE NOT SHOWN ON THE P & ID. VENT FOR HYDRAULIC TEST PURPOSE SHALL BE PROVIDED ONLY FOR 2" AND		: FULL BORE	.	ELEV : ELEV					
		+			LARGER LINE. 11- PROVIDE DOUBLE ISOLATION VALVES (BALL VALVES AND BLEED VALVES) FOR VENT		: FAIL CLOSED (CLOSE ON MINIMUM SIGNAL TO VAL	LVE ACTUATOR)	EM : EMEF	RGENCY VENT				
					TO ATMOSPHERIC FOR HYDROCARBON SERVICES WHICH ARE ABOVE 300# RATING. FOR 300# RATING AND UNDER ONE SINGLE BALL VALVE, FOR ACID GAS SYSTEM		: FLOW CONTROL VALVE : FLEX DISC VALVE			NISHED & PIPED				
					VENTS AND DRAINS USE DOUBLE ISOLATION BALL VALVE FOR ALL CLASSES. FOR RELIEF VALVE BYPASS, IN CLASS OF 600# AND HIGHER, DOUBLE ISOLATION VALVE		: FAIL LOCKED			GE HATCH				
	-	'			(SINGLE BALL VALVE + GLOBE VALVE) FOR 300# AND UNDER ONE SINGLE BALL VALVE.		: FAIL LOCKED CLOSED: VALVE POSITION DOES NOT	CHANGE ON		HIGH LIQUID LEVEL I INTEGRITY PRESSURE PROTEC	TION 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		LOSS OF ACTUATING MEDIUM SUPPLY			I INTERFACE LIQUID LEVEL	TON STOLEM			
					HIGHER. 13- VALVED VENT SHALL BE INSTALLED AT VAPOR POCKET OF 14" AND LARGER LIQUID	FLO	: FAIL LOCKED OPEN: VALVE POSITION DOES NOT C LOSS OF ACTUATING MEDIUM SUPPLY	CHANGE ON	HLL : HIGH	H LIQUID LEVEL				
					LINE. 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	FO	: FAIL OPEN (OPENS ON MINIMUM SIGNAL TO VALVE	E ACTUATOR)		ATION JOINT JID FOAM				
					SPECTACLE BLIND INSERTED AS SHOWN. 15— ALL CLOSED PRESSURE RELIFE VALVE DISCHARGE LEADS SHALL BE FREE DRAINING	FP	: FULL PORT			INTERFACE LIQUID LEVEL				
					FROM PRESSURE RELIFE VALVE TO THE TOP OR SIDE OF THE DISCHARGE HEADER. 16- 9MM WEEP HOLES ARE PROVIDED AT LOW POINTS OF PRESSURE RELIFE VALVE AND	GM	: GEAR OPERATED AND MOTORIZED VALVE		LLL : LOW	LIQUID LEVEL				
					RAPTURE DISC DISCHARGING TO ATMOSPHERE. 17- DEFINITIONS :		: GEAR OPERATED VALVE			LOW LIQUID LEVEL				
							: ACOUSTICAL INSULATED VALVE		MH : MANI NIL : NORI	HOLE MAL INTERFACE LIQUID LEVEL				
					(1) FREE DRAINING : LINE TO BE ROUTED TO A POINT DESIGNATED WITH NO LIQUID POCKET AND NO VAPOR POCKET IN THE LINE.		: HOT INSULATED VALVE			MAL LIQUID LEVEL				
							: LINE BREAK VALVE : LOCKED CLOSED			MALLY NO FLOW		REFERENCE DRAWING	DRG. No.	
					LAYOUT: A		: LEVEL CONTROL VALVE		P : PRES	SURE NG & INSTRUMENTATION DIAGR.	AM	********	*****	
					FLOW: A → B		: LOCKED OPEN		PB : PUSH	BUTTON				
					FLOW . A B	MOV	: MOTOR OPERATED VALVE			CESS FLOW DIAGRAM				
						NC	: NORMALLY CLOSED		PO : PUMF PTC : PRES	OUT SURE TEST CONNECT				
					(2) SLOPED LINE : ELEVATION CHANGES ARE CONTINUOUSLY DOWNWARD	NO	: NORMALLY OPEN		PV : PROC					
					ONLY. NO POCKETS ARE PERMITTED. SPECIFIC SLOPES REQUIRED ARE SHOWN BY SYMBOL.	NV	: NEEDLE VALVE		RES : RESID					
						ORB	: ORBIT VALVE		RG : REFR	IGERANT GAS IGERANT LIQUID				
					LAYOUT: A		: OPERATING VALVE			RICTION ORIFICE				
					FLOW: A → B		: PLUGGED		RS : REMO					
				FLOW: A B		: PRESSURE REGULATOR/ PRESSURE CONTROL VALVE		RTD : RESISTANCE TEMPERATURE DETECTOR RVP : REID VAPOR PRESSURE SC : SAMPLE CONNECTION						
					PIVA : POST INDICATOR VALVE PSE : RUPTURE DISK ASSEMBLY (PRESSURE SAFETY EQUIPMENT)		LIBUSIA.							
					(3) NO LIQUID POCKET : NO LIQUID POCKET IN THE LINE.		V : PRESSURE SAFETY RELIFE VALVE		SCL : SAMPLE COOLER			KEY PLAN		
						PVSV : PRESSURE / VACUUM VALVE			SF : SOLUTION FOAM SG : SIGHT GLASS					
					LAYOUT:		: SPLIT RANGE		SP : SET					
					Å B		: SOFT SEAT VALVE		SP. GR.: RELA	TIVE MASS DENSITY (SPECIFIC	GRAVITY)			
					FLOW: A → B	ST	: STELLITE VALVE			GENT TO TANGENT				
					1600.77	Т	: TRAP		TW : THER					
					(4) NO VAPOR POCKET : NO VAPOR POCKET IN THE LINE.	TCV	: TEMPERATURE CONTROL VALVE			T/C ELEMENT				
						TS0	: TIGHT SHUT-OFF VALVE			TY CONNECTION				
					LAYOUT:	V			UFD : UTILIT	TY FLOW DIAGRAM				
					A		: JACKETED PLUG VALVE		VB : VORT					
					FLOW: A → B		: WARNING VALVE			RUMENT AIR SUPPLY				
							: TYPE 316 STAINLESS STEEL TRIM VALVE : MULTIVARIABLE FINAL ELEMENT (ON/OFF VALVE)		·	ROSION PROB AND COUPON				
							: MULTIVARIABLE FINAL ELEMENT (ON/OFF VALVE) : 18-8 STAINLESS STEEL TRIM VALVE		CT : CORR	ROSION TRANSMITTER BIGNALER				
					(5) GRAVITY FLOW : ELEVATION DOWNSTREAM NEVER EXCEED INLET ELEVATIONS. LINE MAY CONTAIN LIQUID POCKETS		O'CLE TON VILTE		ZI : PIG I					
					AND VAPOR POCKETS.	2.2.2	PIPING							
					LAYOUT:	cs	: CARBON STEEL		DO3 DE		M.ARYAFAR M.FAKHARIAN M.MEHRSHAD			
					Α —	DN	: DIAMETER NOMINAL		D02 MA D01 JA		M.ARYAFAR M.FAKHARIAN M.MEHRSHAD M.ARYAFAR M.FAKHARIAN M.MEHRSHAD **.**	BY	DATE BY DATE	
						FF	: FLAT FACE		D00 00	T.2021 IFC	M.ARYAFAR M.FAKHARIAN F.HAJIVAND *****	REV. DESCRIPTION CHEC	CKED REV. APPR.	
					В	FS	: FORGED STEEL		PROJECT NAM		PREP. CHK. APP. AUT. LD DEVELOPMENT/SURFACE FACILITIES		اصل و کلیه نسخ این نقشه و حق اقتباس OF THIS DRAWING TOGETHER WITH	
					FLOW: A —► B	GA	: GALVANIZED		PROJECT NO.:		GAS COMPRESSOR STATION 971020	THE COPYRIGHT THEREIN A	RE THE SOLE PROPERTY OF	
						GRP	: GLASS REINFORCED PLASTIC		EPC CONTRAC		EPD/EPC CONTRACTOR (GC):	BINAK OILFIELD DI	,	
						HB IC	: HAMMER BLIND : INSULATED COLD			HIRGAN ENERGY	PETROIRAN	SURFACE FAC	ILITIES	
						IH.	: INSULATED HOT				DEVELOPMENT	DATE SCALE DRAWING	R STATION BY CHECKED BY PROJECT ENG.	
						IS	: INSULATED FOR PERSONNEL PROTECTION		HIRGAN ENE	RGY - DESIGN & INSPECTION COMPANIES	PEDCO COMPANY	DATE SCALE DRAWING	BI CHECKED BI PROJECT ENG.	
						PB	: PRESSURE BLIND		DRAWING TITE	E: SYMBOLS & LEGENI	OS FOR PFD AND P&ID	NO CONSTRUCTION PERMITTED UN		
						PN						APPROVED FOR CONSTRUCTION BY: DATE: REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION		
						PRV	: PRESSURE REGULATOR VALVE						708779 1 OF 8 D03	
								1	1 1	1 22 2200		1 1 1 1 1 1 1		













