





OWNER  شرکت پتروشیمی بوته‌ر	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR: 		
	Instrument Cable List & Schedule for reciprocating compressor								
MC :   شرکت سفت و سوی توسعه ایرانیان	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-53	BU	20	VD	303	IN	LST	0038	Rev.:	Page
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SI	LOCATION	FROM BOARD / INSTRUMENT	GLAND	CABLE NAME	TO BOARD / INSTRUMENT	TERM . STRIP	TERMINAL	GLAND	LOCATION	CABLE	FUNCTION	SCOPE
			SIZE					SIZE		mm2		
1	COMPRESSOR A UCP_A											
2	CUSTOMER	CUSTOMER	N/A	PS_00	UCP_A	X0	1-3	N/A	FIELD	3Cx2,5	UPS-1 POWER SUPPLY FROM CUSTOMER 110VAC/50HZ/1PH	CUSTOMER
3	CUSTOMER	CUSTOMER	N/A	PS_01	UCP_A	X0	4-6	N/A	FIELD	3Cx2,5	UPS-2 POWER SUPPLY FROM CUSTOMER 110VAC/50HZ/1PH	CUSTOMER
4	CUSTOMER	CUSTOMER	N/A	PS_02	UCP_A	X0	7-9	N/A	FIELD	3Cx2,5	UPS-3 POWER SUPPLY FROM CUSTOMER 230VAC/50HZ/1PH	CUSTOMER
5	FIELD	LCP_A	M20	ESD_LCP_A	UCP_A	X9	1-2	M20	FIELD	4Cx1	COMPRESSOR A EMERGENCY SHUTDOWN	AIRPACK
6	CUSTOMER	CUSTOMER	M20	ESD_COM	UCP_A	X9	3-7	M20	FIELD	4Cx1	EMERGENCY SHUTDOWN FROM CUSTOMER	AIRPACK
7	FIELD	JB_DIG_A	M20	SOL_COMA	UCP_A	X1	1-10	M20	FIELD	5Px2,5	SOLENOIDS CONNECTION	AIRPACK
8	CUSTOMER	CUSTOMER	M20	SERA00	UCP_A	X4	1-3	M20	FIELD	N/A	SERIAL COMMUNICATION TO CUSTOMER RS-485	AIRPACK
9	CUSTOMER	CUSTOMER	M20	SERA01	UCP_A	X4	4-6	M20	FIELD	N/A	SERIAL COMMUNICATION TO CUSTOMER RS-485	AIRPACK
10	FIELD	LCP_A	M20	LCP_COMA	UCP_A	X5	1-26	M20	FIELD	26Cx1	DIGITAL INPUTS CONNECTION	AIRPACK
11	FIELD	JB_ANLG_A	M20	TR_COMA	UCP_A	X2	1-20	M20	FIELD	10Px0,75	ANALOG INPUTS CONNECTION	AIRPACK
12	FIELD	JB_DIG_A	M20	PCV_COMA	UCP_A	X2.1	1-2	M20	FIELD	1Px1,5	COMPRESSOR A BYPASS (RECYCLE) VALVE CONTROL VALVE PCV-001A	AIRPACK
13	FIELD	MCC	M20	MCC_COMA	UCP_A	X8	1-16	M20	FIELD	16Cx1	SIGNALS TO MCC	AIRPACK
14	FIELD	DCS	M20	SIG_DCS	UCP_A	X11	1-4	M20	FIELD	4Cx1	SIGNALS FROM DCS	AIRPACK
15	COMPRESSOR A JB_DIG_A											
16	FIELD	XY-001A	M20	XY-001A	JB_DIG_A	X1	1-2	M20	FIELD	1Px2,5	COMPRESSOR A INLET SOLENOID VALVE XY-001A	AIRPACK
17	FIELD	XY-002A	M20	XY-002A	JB_DIG_A	X1	3-4	M20	FIELD	1Px2,5	COMPRESSOR A COOLING WATER INLET SOLENOID VALVE XY-002A	AIRPACK
18	COMPRESSOR A JB_ANLG_A											
19	FIELD	PIT-001A	M20	PIT-001A	JB_ANLG_A	X2	1+,1-,15SCR	M20	FIELD	1Px1,5	COMPRESSOR A INLET PRESSURE PIT-001A	AIRPACK
20	FIELD	PIT-002A	M20	PIT-002A	JB_ANLG_A	X2	2+,2-,25SCR	M20	FIELD	1Px1,5	COMPRESSOR A OUTLET PPRESSURE PIT-002A	AIRPACK
21	FIELD	PIT-003A	M20	PIT-003A	JB_ANLG_A	X2	3+,3-,35SCR	M20	FIELD	1Px1,5	COMPRESSOR A OIL SYSTEM PRESSURE PIT-003A	AIRPACK
22	FIELD	TIT-001A	M20	TIT-001A	JB_ANLG_A	X2	4+,4-,45SCR	M20	FIELD	1Px1,5	COMPRESSOR A INLET TEMPERATURE TIT-001A	AIRPACK
23	FIELD	TIT-002A	M20	TIT-002A	JB_ANLG_A	X2	5+,5-,55SCR	M20	FIELD	1Px1,5	COMPRESSOR A INLET TEMPERATURE TIT-002A	AIRPACK
24	FIELD	PCV-001A	M20	PCV-001A	JB_ANLG_A	X2.1	1+,1-,15SCR	M20	FIELD	1Px1,5	COMPRESSOR A BYPASS (RECYCLE) VALVE CONTROL VALVE PCV-001A	AIRPACK
25	COMPRESSOR A LCP_A											
26	FIELD	MCC	M20	AMP_METER_A	LCP_A	X10	1-2	M20	FIELD	2Cx1	COMPRESSOR A AMPEREMETER SIGNAL FROM MCC	AIRPACK
27	COMPRESSOR B UCP_B											
28	CUSTOMER	CUSTOMER	N/A	PS_00	UCP_B	X0	1-3	N/A	FIELD	3Cx2,5	UPS-1 POWER SUPPLY FROM CUSTOMER 110VAC/50HZ/1PH	CUSTOMER
29	CUSTOMER	CUSTOMER	N/A	PS_01	UCP_B	X0	4-6	N/A	FIELD	3Cx2,5	UPS-2 POWER SUPPLY FROM CUSTOMER 110VAC/50HZ/1PH	CUSTOMER
30	CUSTOMER	CUSTOMER	N/A	PS_02	UCP_B	X0	7-9	N/A	FIELD	3Cx2,5	UPS-3 POWER SUPPLY FROM CUSTOMER 230VAC/50HZ/1PH	CUSTOMER
31	FIELD	LCP_A	M20	ESD_LCP_B	UCP_B	X9	1-2	M20	FIELD	4Cx1	COMPRESSOR A EMERGENCY SHUTDOWN	AIRPACK
32	CUSTOMER	CUSTOMER	M20	ESD_COM	UCP_B	X9	3-7	M20	FIELD	4Cx1	EMERGENCY SHUTDOWN FROM CUSTOMER	AIRPACK
33	FIELD	JB_DIG_A	M20	SOL_COMB	UCP_B	X1	1-10	M20	FIELD	5Px2,5	SOLENOIDS CONNECTION	AIRPACK
34	CUSTOMER	CUSTOMER	M20	SERA00	UCP_B	X4	1-3	M20	FIELD	N/A	SERIAL COMMUNICATION TO CUSTOMER RS-485	AIRPACK
35	CUSTOMER	CUSTOMER	M20	SERA01	UCP_B	X4	4-6	M20	FIELD	N/A	SERIAL COMMUNICATION TO CUSTOMER RS-485	AIRPACK
36	FIELD	LCP_A	M20	LCP_COMB	UCP_B	X5	1-26	M20	FIELD	26Cx1	DIGITAL INPUTS CONNECTION	AIRPACK
37	FIELD	JB_ANLG_A	M20	TR_COMA	UCP_B	X2	1-20	M20	FIELD	10Px0,75	ANALOG INPUTS CONNECTION	AIRPACK
38	FIELD	JB_DIG_A	M20	PCV_COMA	UCP_B	X2.1	1-2	M20	FIELD	1Px1,5	COMPRESSOR A BYPASS (RECYCLE) VALVE CONTROL VALVE PCV-001B	AIRPACK
39	FIELD	MCC	M20	MCC_COMA	UCP_B	X8	1-16	M20	FIELD	16Cx1	SIGNALS TO MCC	AIRPACK
40	FIELD	DCS	M20	SIG_DCS	UCP_B	X11	1-4	M20	FIELD	4Cx1	SIGNALS FROM DCS	AIRPACK
41	COMPRESSOR B JB_DIG_B											
42	FIELD	XY-001B	M20	XY-001B	JB_DIG_B	X1	1-2	M20	FIELD	1Px2,5	COMPRESSOR A INLET SOLENOID VALVE XY-001B	AIRPACK
43	FIELD	XY-002B	M20	XY-002B	JB_DIG_B	X1	3-4	M20	FIELD	1Px2,5	COMPRESSOR A COOLING WATER INLET SOLENOID VALVE XY-002B	AIRPACK

SI	LOCATION	FROM BOARD / INSTRUMENT	GLAND SIZE	CABLE NAME	TO BOARD / INSTRUMENT	TERM . STRIP	TERMINAL	GLAND SIZE	LOCATION	CABLE mm2	FUNCTION	SCOPE
44	COMPRESSOR B JB_ANLG_B											
45	FIELD	PIT-001B	M20	PIT-001B	JB_ANLG_B	X2	1+,1-,1SCR	M20	FIELD	1Px1,5	COMPRESSOR B INLET PRESSURE PIT-001B	AIRPACK
46	FIELD	PIT-002B	M20	PIT-002B	JB_ANLG_B	X2	2+,2-,2SCR	M20	FIELD	1Px1,5	COMPRESSOR B OUTLET PPRESSIONE PIT-002B	AIRPACK
47	FIELD	PIT-003B	M20	PIT-003B	JB_ANLG_B	X2	3+,3-,3SCR	M20	FIELD	1Px1,5	COMPRESSOR B OIL SYSTEM PRESSURE PIT-003B	AIRPACK
48	FIELD	TIT-001B	M20	TIT-001B	JB_ANLG_B	X2	4+,4-,4SCR	M20	FIELD	1Px1,5	COMPRESSOR B INLET TEMPERATURE TIT-001B	AIRPACK
49	FIELD	TIT-002B	M20	TIT-002B	JB_ANLG_B	X2	5+,5-,5SCR	M20	FIELD	1Px1,5	COMPRESSOR B INLET TEMPERATURE TIT-002B	AIRPACK
50	FIELD	PCV-001B	M20	PCV-001B	JB_ANLG_B	X2,1	1+,1-,1SCR	M20	FIELD	1Px1,5	COMPRESSOR B BYPASS (RECYCLE) VALVE CONTROL VALVE PCV-001B	AIRPACK
51	COMPRESSOR B LCP_B											
52	FIELD	MCC	M20	AMP_METER_B	LCP_B	X10	1-2	M20	FIELD	2Cx1	COMPRESSOR A AMPEREMETER SIGNAL FROM MCC	AIRPACK