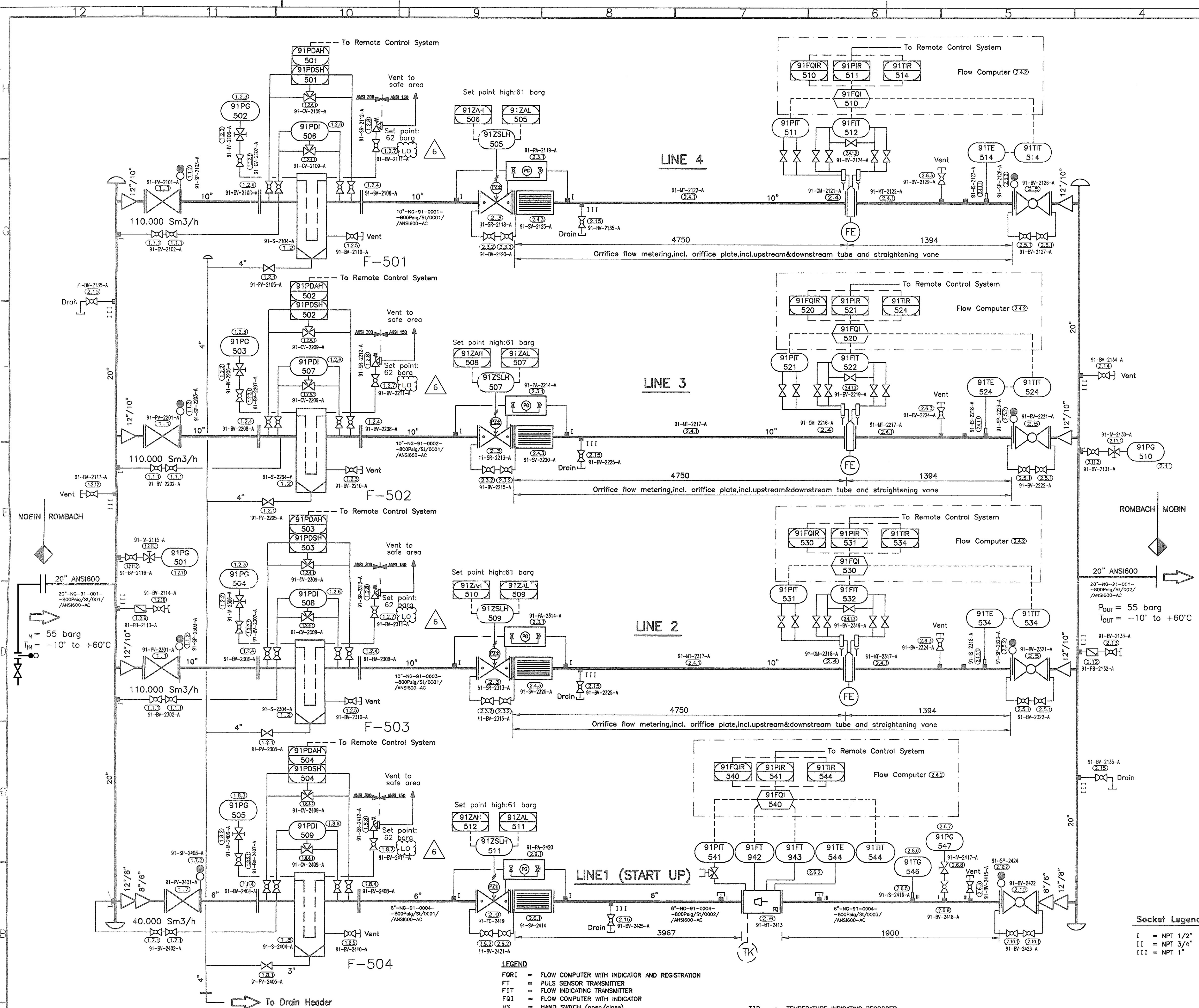
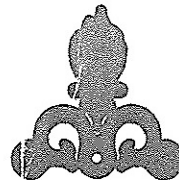
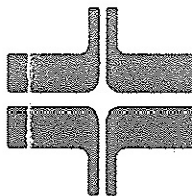




Mechanical Part									
Ident. No.	Item	Pcs	Discription	Manufac./Type	Material	Cert	Dimension		
91-BV-1135/2225/2325/2425-A	Ball valve	2.15	6	Schaven	steel	X	DN25 PN400		
91-BV-2134-A	Ball valve	2.14	1	Schaven	steel	X	DN25 PN400		
91-BV-2133-A	Ball valve	2.13	1	Tecan/double block	steel	X	1" ANSI600		
91-PB-2132-A	Purging backpressure	2.12	1	(for N2)	steel	X	1" ANSI600		
91-BV-2131-A	Ball valve	2.11.2	1	Schneider / S 004.16.000	steel	X	DN12 PN350		
91-BV-2130-A	Instrumentation valve	2.11.1	1	Wika (see electrical part)	ms		R1/2" PN250		
91-PG-510	Outlet pressure indicator	2.11	1	Tecan	steel	X	0-64 barg		
91-SP-2424	Spectacle plate	2.10.2	1	Schaven	steel	X	6" ANSI600 RF		
91-BV-2423-A	By pass ball valve	2.10.1	2	Schaven	steel	X	DN10 PN100		
91-BV-2422-A	Ball valve gear operated	2.10	1	Böhmer/split body	steel	X	6" ANSI600		
91-BV-2421-A	By pass ball valve	2.9.2	2	Schaven	steel	X	DN10 PN100		
91-PA-2420	Pneumatic double acting actuator	2.9.1	1	Rotork/CP/0055-160					
91-FC-2419	Safety shut off valve	2.9	1	Böhmer/split body	steel	X	6" ANSI600		
91-BV-2418-A	Ball valve	2.8.9	1	Böhmer	steel	X	DN12 PN350		
91-NV-2417-A	Gas metering turbine	2.8.8	1	Schneider / S 004.16.000	ms		R1/2" PN250		
91-PG-547	Pressure indicator	2.8.7	1	Wika (see electrical part)	ms		0-64 barg		
91-TI-546	Thermometer (-30 : +50 grd C)	2.8.6	1	Wika / 271 B			R3/4" 100mm		
91-S-2424-A	Immersion shell	2.8.5	1	Wika	steel	X	3/4" PN100		
91-BV-2422/2324/2415-A	Ball valve	2.8.3	4	Schaven	steel	X	DN25 PN400		
91-TIT-544	Temperature transmitter	2.8.2	1	Rosemount/3144 , 3051					
91-SV-2414	Flow straightening vane	2.8.1	1	Actaris	steel		6" ANSI600		
91-MT-2413	Gas metering turbine	2.8	1	Actaris/TZ G-850	steel	X	6" ANSI600 RF		
91-SP-2126/2222/2323-A	Spectacle plate	2.5.2	3	Tecan	steel	X	10" ANSI600 RF		
91-BV-2127/2222/2322-A	By pass ball valve	2.5.1	6	Schaven	steel	X	DN25 PN400		
91-BV-2126/2222/2321-A	Ball valve gear operated	2.5	3	Böhmer/split body	steel	X	10" ANSI600		
91-SV-2125/2220/2320-A	Tube straightening vane (includat)	2.4.3	3	FMC	steel	X	10" ANSI600 RF		
91-FQ-510/520/530/540	Flow computer	2.4.2	2	Alpha (see electrical part)					
91-BV-2124/2222/2319-A	Ball valve	2.4.1.2	21	Böhmer	steel	X	DN12 PN350		
91-S-2123/2216/2318-A	Immersion shell	2.4.1.1	3	Tecan	steel	X	1" PN100		
91-MT-2122/2217/2317-A	Upstream & downstream meter tube	2.4.1	3	FMC	steel	X	10" ANSI600 RF		
91-OM-2121/2216/2316-A	Office for flow measuring	2.4	3	FMC / double chamber	steel	X	10" ANSI600 RF		
91-BV-2122/2215/2315-A	By pass ball valve	2.3.2	6	Schaven	steel	X	DN25 PN400		
91-PA-2119/2214/2314-A	Pneumatic double acting actuator	2.3.1	3	Rotork/GP085-235					
91-FC-2118/2213/2313-A	Safety shut off valve	2.3	3	Böhmer/split body	steel	X	10" ANSI600		
ORRIFICE METERING SECTION									
91-SR-2412-A	Filter relief valve	1.8.8	1	Crosby-Tyce/pilot operated	steel	X	1" ANSI600 / 2" ANSI150		
91-BV-2411-A	Ball valve	1.8.7	1	Böhmer/Int. locking device	steel	X	1" ANSI600		
91-PDI-509	Diff. pressure indicator	1.8.6	1	Alpha (see electrical part)					
91-BV-2410-A	Ball valve	1.8.5	1	Schaven	steel	X	DN25 PN400		
91-OV-2409-A	3 way controlvalve	1.8.4.1	2	Parker	steel				
91-BV-2408-A	Ball valve	1.8.4	4	Böhmer	steel	X	DN12 PN350		
91-PG-505	Intet pressure indicator	1.8.3	1	Wika (see electrical part)			0-64 barg		
91-BV-2407-A	Ball valve	1.8.2.1	1	Böhmer	steel	X	DN12 PN350		
91-NV-2406-A	Instrumentation valve	1.8.2	1	Schneider / S 004.16.000	ms		R1/2" PN250		
91-PV-2405-A	Drain plug valve wrench operated	1.8.1	1	Serck Audio / HRG 633CC	steel	X	3" ANSI600 RF		
91-S-2404-A	Dry gas filter (40.000 Sm3/h)	1.8	1	GTS/AF 1.350.100.150.1	steel	X	6" ANSI600 RF		
91-SP-2403-A	Spectacle plate	1.7.2	1	Tecan	steel	X	6" ANSI600 RF		
91-BV-2402-A	By pass ball valve	1.7.1	2	Schaven	steel	X	DN10 PN100		
91-PV-2401-A	Isolating plug valve gear operated	1.7	1	Serck Audio / HRG 633CC	steel	X	6" ANSI600 RF		
91-BV-2117-A	Ball valve	1.2.12	1	Schaven	steel	X	DN25 PN400		
91-BV-2116-A	Ball valve	1.2.11.2	1	Böhmer	steel	X	DN12 PN350		
91-NV-2115-A	Instrumentation valve	1.2.11.1	1	Schneider / S 004.16.000	ms		R1/2" PN250		
91-PG-501	Intet pressure indicator	1.2.11	1	Wika (see electrical part)			0-64 barg		
91-BV-2114-A	Ball valve	1.2.10	1	Tecan/double block	steel	X	DN25 PN100		
91-PB-2113-A	Purging backpressure	1.2.9	1	(for N2)	steel	X	1" ANSI600		
91-SR-2112/2212/2312-A	Filter relief valve	1.2.8	3	Crosby-Tyce/pilot operated	steel	X	1" ANSI600 / 2" ANSI150		
91-BV-2111/2211/2311-A	Ball valve	1.2.7	3	Böhmer/Int. locking device	steel	X	1" ANSI600		
91-PDI-506/507/508	Diff. pressure indicator	1.2.6	3	Alpha (see electrical part)					
91-BV-2110/2210/2310-A	Ball valve	1.2.5	3	Schaven	steel	X	DN25 PN400		
91-OV-2109/2209/2309-A	3 way controlvalve	1.2.4.1	6	Parker	steel				
91-BV-2108/2208/2308-A	Ball valve	1.2.4	12	Böhmer	steel	X	DN12 PN350		
91-PG-502/503/504	Intet pressure indicator	1.2.3	3	Wika (see electrical part)			0-64 barg		
91-BV-2107/2207/2307-A	Ball valve	1.2.2.1	3	Böhmer	steel	X	DN12 PN350		
91-NV-2106/2206/2306-A	Instrumentation valve	1.2.2	3	Schneider / S 004.16.000	ms		R1/2" PN250		
91-PV-2105/2205/2305-A	Drain plug valve wrench operated	1.2.1	3	Serck Audio / HRG 633CC	steel	X	4" ANSI600 RF		
91-S-2104/2204/2304-A	Dry gas filter (110.000 Sm3/h)	1.2	3	GTS/AF 2.500.100.250.1	steel	X	10" ANSI600 RF		
91-SP-2103/2203/2303-A	Spectacle plate	1.1.2	3	Tecan	steel	X	10" ANSI600 RF		
91-BV-2102/2202/2302-A	By pass ball valve	1.1.1	6	Schaven	steel	X	DN10 PN100		
91-PV-2101/2201/2301-A	Isolating plug valve gear operated	1.1	3	Serck Audio / HRG 633CC	steel	X	10" ANSI600 RF		
	DRY GAS FILTER SECTION	1.0							

REFERENCE DRAWINGS			
NO.	DRAW. NO.		DESCRIPTION
1	41-60-PI-DWG-0100-1-B		General Layout Plan
2	41-60-PI-DWG-0101-0-B		General Piping Plan
3	41-60-PI-DWG-0102-0-B		Mechanical View Sections Plan
6	6	07.02.20	Revised As Marked
5	5	29.07.17	Revised As Marked
4	0	27.09.04	Approved for construction
3	d	13.05.04	Drawing modifications
No.	REV.	DATE	DESCRIPTION & SIGNATURES
REVISIONS			
 MOBIN PETROCHEMICAL CO.			
 IRAN DEVELOPMENT OF INDUSTRIAL SERVICES Co. PJS.			
GAS DISTRIBUTION PROJECT FOR PETROCHEMICAL PLANTS IN PESEZ			
SCALE : --		TITLE : Zagros Metering Gas Station, Nr.2 P & ID Plan	
DATE : 07.04.04			
APRD. :		CHRD. :	DEWN. :
			DESIGN. :
DRAW. No.:		41-60-PI-DWG-0203-1-0	