

MECCANICA SARMA

BILL OF MATERIAL
ITEM: 2-E-15 A/B

DWG N° 1972 BM

DATE
12-07-96

SH. 1 OF 2

REV. 0 1

MARK	Q.TY	DESCRIPTION	MATERIAL	DIMENSIONS
------	------	-------------	----------	------------

MATERIAL FOR N°1 ITEM

Snamprogetti

1	1	SHELL	A-516.60-A20/SS	16 THK - I.D. 686 x 5547
2	1	CHANNEL	A-516.60-A20/SS	12 THK - I.D. 686 x 358
3	1	SHEA COVER	A-516.60-A20/SS	18 THK - I.D. 800 x 153
4	1	STONED DEAF	A-516.60-A20/SS	15 THK - MIN. A.F. - I.D. 800 - R-2:1
5	1	FLOATING HEAD	A-516.60-A20/SS	20 THK - MIN. A.F. Ø 656
6	1	JUBESHEET	A-765 Gr. II	63 THK - Ø 754
7	1	FLAT TUBESHEET	A-765 Gr. II	63 THK - Ø 680
8	1	FLANGE	A-765 Gr. II	115 THK - O.D. 950/800
9	1	FLANGE	A-765 Gr. II	79.5 THK - O.D. 765/660
10	1	FLANGE	A-765 Gr. II	145 THK - O.D. 950/686
11	1	FLANGE	A-765 Gr. II	106 THK - O.D. 832/686
12	1	FLANGE	A-765 Gr. II	114 THK - O.D. 832/686
13	1	FLANGE	A-765 Gr. II	98 THK - O.D. 822/686
14	3	PASS PART.	A-765 Gr. II	66 THK - Ø 822
15	4	PASS PART.	A-516.60-A20/SS	13 THK
16	2	SADDLE	A-516.60-A20/SS	13 THK
17	2	SADDLE	A-516.60-A20/SS	10 THK - 220 x 762 ~
18	2	SADDLE	A-516.60-A20/SS	13 THK - 200 x 880
19	2	SADDLE	A-516.60-A20/SS	13 THK - 860
20	8	SADDLE	A-516.60-A20/SS	10 THK - 85
21	2	EARTH TERM.	S.S. 304	5 THK - 85 x 60
22	266	EXCH. TUBE	A-334 Gr. 6-SMLS	Ø 25 x 2.6 THK M.W. L = 6000
23	15	BAFFLE	A-516.60-A20/SS	5 THK - Ø 681 x 559.5
24	15	BAFFLE	A-516.60-A20/SS	5 THK - Ø 681 x 559.5
25	1	BAFFLE	A-516.60-A20/SS	13 THK - Ø 681
26	8	TIE ROD	Fe 360 B - UNI 7070	Ø 12 x 5800
27	16	NUT	A-194-2H	M12
28	8	WASHER	CARB. STEEL	Ø 14 UNI 1749
29	6	SPACER	A-334 Gr. 6-SMLS	Ø 20/16 x 424
30	2	SPACER	"	Ø 20/16 x 592
31	56	SPACER	"	Ø 20/16 x 331
32	116	SPACER	"	Ø 20/16 x 163
33	2	SPACER	"	Ø 20/16 x 592
34	6	SPACER	A-334 Gr. 6-SMLS	Ø 20/16 x 424
35	36+5	STUD BOLT	A-193-B7	Ø 3/4 UNC - B1.1 x 190
36	72+10	NUT	A-194-2H	Ø 3/4 UNC - B1.1
37	1+3	GASKET	SOFT IRON JACK. ASBEST. FREE	3 THK - O.D. 745/718 (PART.)
38	52+6	STUD BOLT	A-193-B7	Ø 3/4 UNC - B1.1 x 270
39	104+12	NUT	A-194-2H	Ø 3/4 UNC - B1.1
40	1+3	GASKET	SOFT IRON JACK. ASBEST. FREE	3 THK - O.D. 755/724
41	1+3	GASKET	SOFT IRON JACK. ASBEST. FREE	3 THK - O.D. 755/724 (PART.)
42	48+5	STUD BOLT	A-193-B7	Ø 3/4 UNC - B1.1 x 230
43	96+10	NUT	A-194-2H	Ø 3/4 UNC - B1.1
44	1+3	GASKET	SOFT IRON JACK. ASBEST. FREE	3 THK - O.D. 681/660 (PART.)
45	64+7	STUD BOLT	A-193-B7	Ø 3/4 UNC - B1.1 x 255
46	128+14	NUT	A-194-2H	Ø 3/4 UNC - B1.1
47	1+3	GASKET	SOFT IRON JACK. ASBEST. FREE	3 THK - O.D. 855/820

Revision
dmm

Snamprogetti

JOB 300000 PETROCHEMIA PLOCK SA

DWG / SPC N 2-RE-E-23996

HYDROCRACKING PLANT SH. 1 OF 2

CONTRACT N PL/0001 44124-94-5645

REV.	DATE	SIGNATURE
1	6.11.95	SA

MECCANICA SARMA

BILL OF MATERIAL
ITEM: 2-E-15 4/3

DWG N° 1972 BM

DATE
12-07-95

SH. 2 OF 2

REV. 0 1

MARK	Q.TY	DESCRIPTION	MATERIAL	DIMENSIONS
48	2	FLANGE T	A.350-LF2	ND 6" ANSI 300# WN-RF
49	2	PIPE T	A.333-6-SHLS	O.D. 168.3 x 10.97
50	2	REINF T	A.516.60-A20/SS	12 THK. O.D. 270
51	2	FLANGE S	A.350-LF2	ND 6" ANSI 300# WN-RF
52	2	PIPE S	A.333-6-SHLS	O.D. 168.3 x 10.97
53	2	REINF S	A.516.60-A20/SS	16 THK. O.D. 270
54	2	COUPLING D-V	A.350-LF2	Ø 3/4" ANSI 6000# NPT
55	2	PLUG D-V	A.350-LF2	Ø 3/4" ANSI NPT
56	1	FLANGE	A.765 gr. II	32 THK. O.D. 800/660
57	1	RING	A.516.60-A20/SS	O.D. 765/739 x 53
58	6	FLANGE TP-SP	A.350-LF2	N2-ITEM ND 1" ANSI 300# WN-RF
59	6	BL. FLANGE TP-SP	A.350-LF2	ND 1" ANSI 300# BL-RF
60	6	PIPE TP-SP	A.333-6-SHLS	O.D. 33.4 x 6.35
61	24+5	STUD BOLT TP-SP	A.193-B7	Ø 5/8" x 85
62	48+10	NUT TP-SP	A.194-2H	Ø 5/8"
63	6+18	GASKET TP-SP	SPIRAL WOUND AISI 316 W. GRAPH.	4.5 THK. O.D. 48/32
64	6	FLANGE TT-ST	A.350-LF2	ND 1-1/2" ANSI 300# WN-RF
65	6	BL. FLANGE TT-ST	A.350-LF2	ND 1-1/2" ANSI 300# BL-RF
66	6	PIPE TT-ST	A.333-6-SHLS	O.D. 48.3 x 7.14
67	24+5	STUD BOLT TT-ST	A.193-B7	Ø 3/4" x 95
68	48+10	NUT TT-ST	A.194-2H	Ø 3/4"
69	6+18	GASKET TT-ST	SPIRAL WOUND AISI 316 W. GRAPH.	N2-ITEM 4.5 THK. O.D. 70/54
70	5	LIFTING LUG	Fe 360 B. UNI 7070	ROD. 20 DIA.
71	2	IMPING	A.516.60-A20/SS	N2-ITEM 8-THK. - 244 x 280
72	4	SADDLE -	A.516.60-A20/SS	E-15-B 13 THK. - 200 x 880
73	2	SADDLE -	A.516.60-A20/SS	E-15-B 10 THK. - 200 x 880
74	4	SADDLE -	A.516.60-A20/SS	10 THK. - 200 x 1324
75	2	SADDLE -	A.516.60-A20/SS	13 THK. - 860 x 1324
76	8	SADDLE -	A.516.60-A20/SS	10 THK. - 93.5 x 293
77	2+2	SEALING STRIP	A.516.60-A20/SS	N2-43x8-N2-50x8 - L=4900
78	4	SEALING ROD	Fe 360 B. UNI 7070	20 DIA. L=4900
79	2	SLIDING GUIDE	Fe 360 B. UNI 7070	25 DIA. L=5750
80	4	JACK SCREW	A.193-B7	Ø 5/8" x 75
81	4	JACK SCREW	A.193-B7	Ø 5/8" x 125
82	4	EYE BOLT	A.193-B7	Ø 1" - ANSI B1.1
83	4	PLUG	A.105	Ø 1" - ANSI B1.1
84	2 SET	SHIM PLATE	A.516 gr. 60	THK. 5.4.3.2.1 - 200 x 880
85	1	N.P. SUPPORT	A.516.60	5 THK. - 190 x 250 ~
86	1	NAME PLATE	S.S. 316	2 THK. - 170 x 170
87	4+8	GASKET	GRAPHITE SHEET GASKETS	3 THK. O.D. 37/27
88				
89	12+5	STUD BOLT	A.193-B7	Ø 3/4" x 125
90	24+10	NUT	A.194-2H	Ø 3/4"
91	2+6	GASKET	SPIRAL WOUND AISI 316 W. GRAPH.	4.5 THK. O.D. 209.6/182.6

1 Revision
MUR

Snamprogetti

JOB 300000 PETROCHEMIA PLOCK SA

DWG / SPC N 2-RE-E-23996

HYDROCRACKING PLANT Sh 2 Ol 2

CONTRACT N PL/0001 44124-94-5645

REV.	DATE	SIGNATURE
1	6.11.95	St