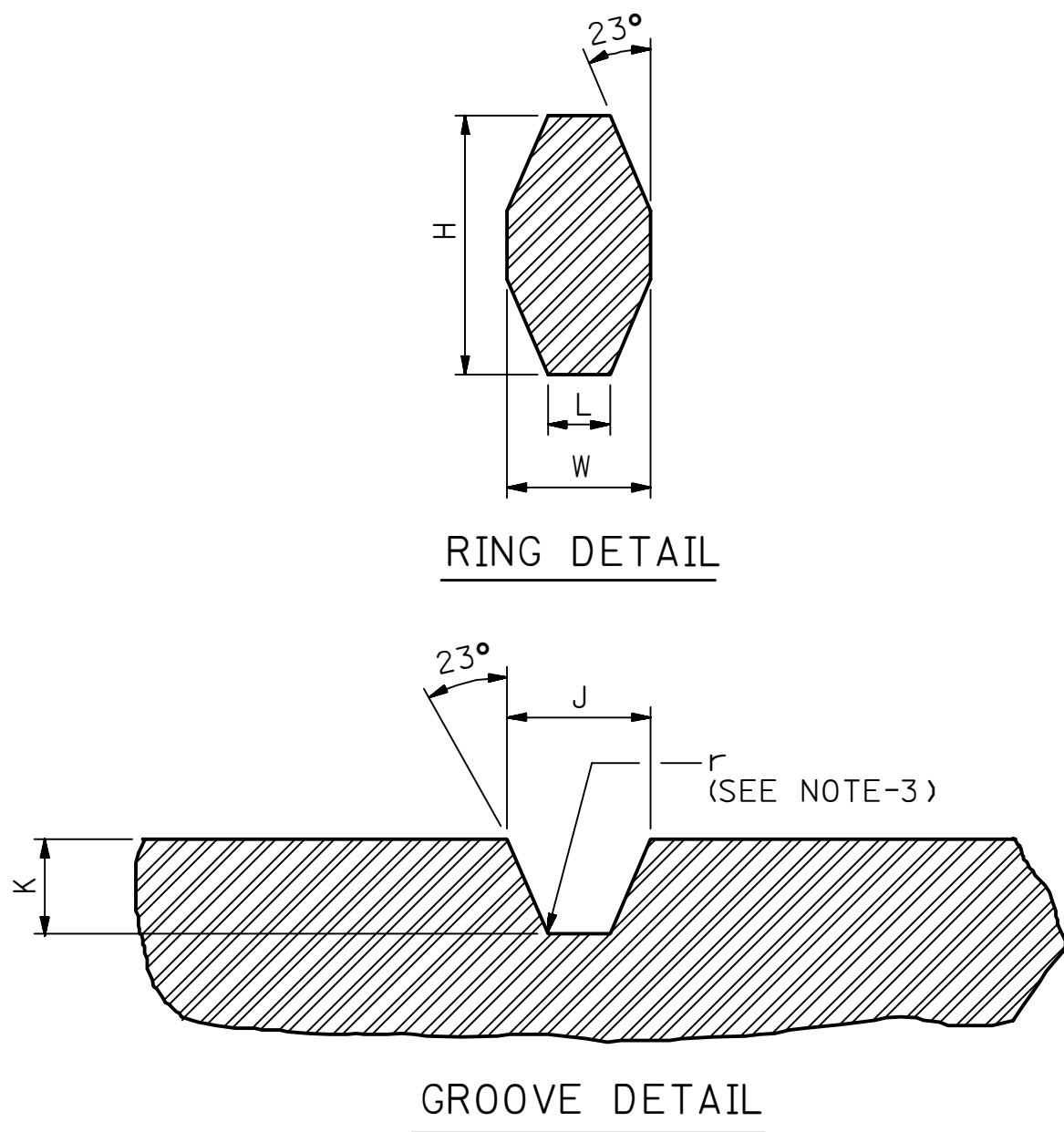
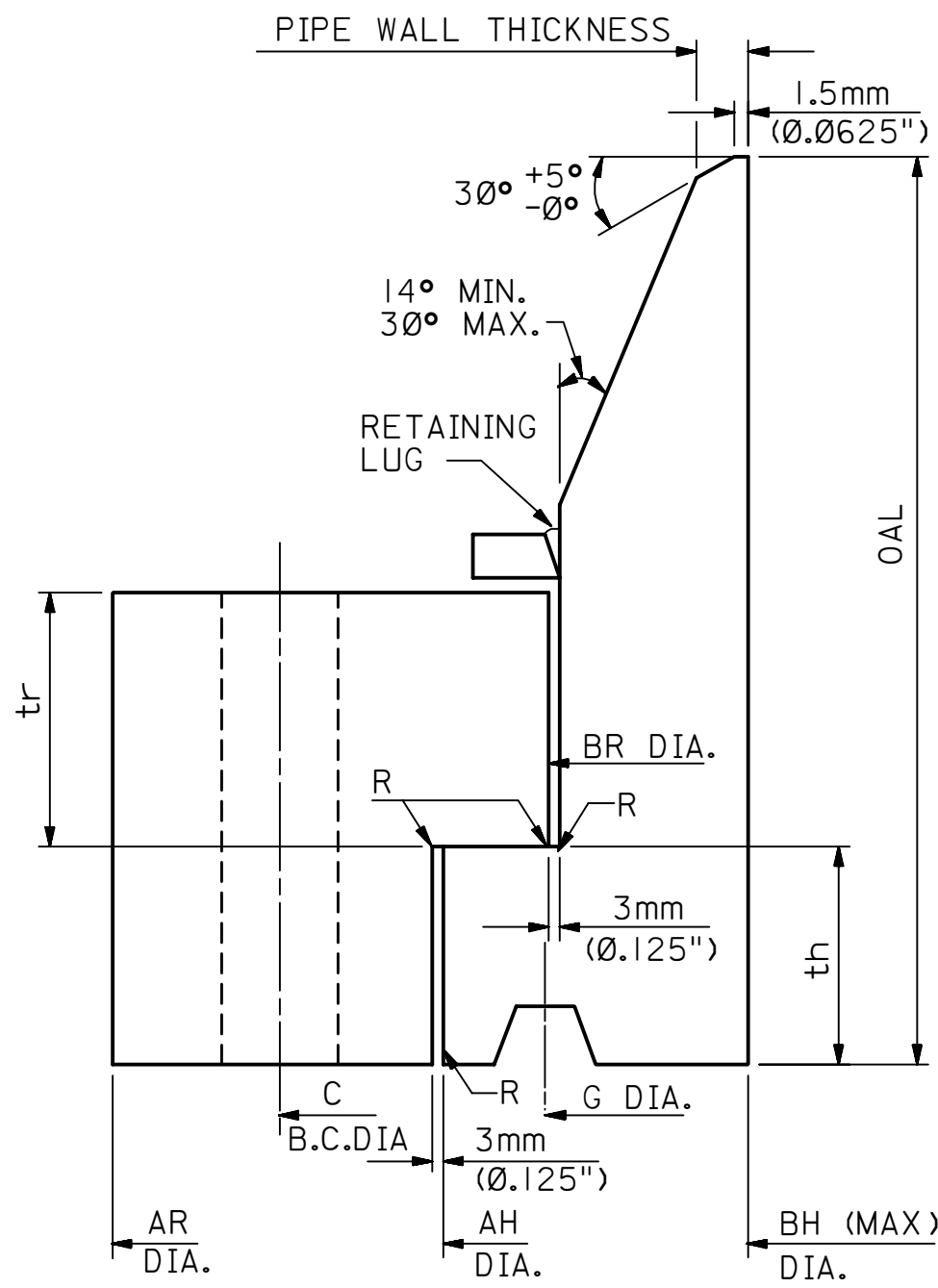


00	200	267930-7	7	096
REV. NO.	SHT. NO.	DRAWING NUMBER	INDEX	PLANT NO.



CLASS 900 (MAXIMUM ALLOWABLE WORKING PRESSURE 15.32 MPa (2220 PSI) FROM 0°C (32°F) TO 38°C (100°F)																																							
PIPE O.D.	AR		C		AH		G		BR		BH MAX.		OAL		th		tr		R		GROOVE				GASKET				STUD BOLTS				FLANGES						
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	kg.	Lbs.					
8.625	470	18.50	394	15.50	305	12.00	269.88	10.625	257.48	10.137	206	8.125	152	6.00	35.6	1.40	47.0	1.85	6	0.25	11.91	0.469	7.92	0.312	7.75	0.305	15.88	0.625	R49	11.11	12	1 3/8	286	1 3/8	11.25	83	184		
10.75	545	21.50	470	18.50	401	15.75	323.85	12.75	325.70	12.823	259	10.198	184	7.25	46.6	1.835	49.7	1.957	13	0.50	11.91	0.469	7.92	0.312	7.75	0.305	15.88	0.625	R53	11.11	16	1 3/8	305	1 3/8	12.00	128	283		
12.75	610	24.00	533	21.00	452	17.788	381.00	15.00	373.86	14.719	307	12.094	192	7.56	53.1	2.09	57.4	2.26	13	0.50	11.91	0.469	7.92	0.312	7.75	0.305	15.88	0.625	R57	11.11	20	1 3/8	330	1 3/8	13.00	174	383		
14	640	25.25	559	22.00	486	19.15	419.10	16.50	403.99	15.905	337	13.28	217	8.56	59.1	2.325	60.7	2.388	13	0.50	16.66	0.656	11.13	0.438	10.49	0.413	20.62	0.812	R62	15.88	20	1 1/2	362	1 1/2	14.25	203	447		
16	705	27.75	616	24.25	533	21.00	469.90	18.50	447.04	17.60	386	15.178	236	9.31	69.1	2.722	67.9	2.673	13	0.50	16.66	0.656	11.13	0.438	10.49	0.413	20.62	0.812	R66	15.88	20	1 5/8	394	1 5/8	15.50	270	595		
18	785	31.00	686	27.00	603	23.75	533.40	21.00	511.94	20.155	434	17.074	268	10.56	72.2	2.841	73.1	2.876	13	0.50	19.84	0.781	12.7	0.500	12.32	0.485	23.83	0.938	R70	19.05	20	1 7/8	432	1 7/8	17.00	359	791		
20	855	33.75	749	29.50	664	26.125	584.20	23.00	569.47	22.42	482	18.972	286	11.25	77.6	3.053	77.1	3.035	13	0.50	19.84	0.781	12.7	0.500	12.32	0.485	23.83	0.938	R74	19.05	20	2	457	2	18.00	449	989		
24	1040	41.00	902	35.50	803	31.625	692.15	27.25	701.47	27.617	578	22.766	353	13.88	88.7	3.49	88.5	3.485	13	0.50	26.97	1.062	15.88	0.625	17.30	0.681	31.75	1.250	R78	25.40	20	2 1/2	565	2 1/2	22.25	783	1726		
26	1085	42.75	952	37.50	848	33.375	749.30	29.50	734.62	28.922	626	24.664	357	14.06	99.1	3.90	97.6	3.842	13	0.50	30.18	1.188	17.48	0.688	19.81	0.780	34.93	1.375	R100	28.58	20	2 3/4	622	2 3/4	24.50	876	1932		
28	1170	46.00	1022	40.25	911	35.875	800.10	31.50	794.18	31.267	675	26.562	376	14.81	105.0	4.13	103.3	4.068	13	0.50	33.32	1.312	17.48	0.688	22.33	0.879	38.10	1.500	R101	31.75	20	3	667	3	26.25	1070	2360		
30	1230	48.50	1086	42.75	975	38.375	857.25	33.75	853.87	33.617	723	28.458	399	15.69	110.0	4.33	107.0	4.214	13	0.50	33.32	1.312	17.48	0.688	22.33	0.879	38.10	1.500	R102	31.75	20	3	686	3	27.00	1246	2748		
32	1315	51.75	1156	45.50	1038	40.875	914.40	36.00	913.56	35.967	771	30.356	418	16.44	115.1	4.53	112.5	4.43	13	0.50	33.32	1.312	17.48	0.688	22.33	0.879	38.10	1.500	R103	31.75	20	3 1/4	730	3 1/4	28.75	1483	3270		
34	1395	55.00	1226	48.25	1102	43.375	965.20	38.00	972.82	38.30	819	32.252	459	18.06	121.4	4.78	118.3	4.658	13	0.50	36.53	1.438	20.62	0.812	24.82	0.977	41.28	1.625	R104	34.92	20	3 1/2	775	3 1/2	30.50	1783	3930		
36	1460	57.50	1289	50.75	1165	45.875	1022.35	40.25	1032.51	40.65	867	34.15	459	18.06	126.1	4.963	122.0	4.801	13	0.50	36.53	1.438	20.62	0.812	24.82	0.977	41.28	1.625	R105	34.92	20	3 1/2	794	3 1/2	31.25	1999	4406		

CLASS 1500 (MAXIMUM ALLOWABLE WORKING PRESSURE 25.53 MPa (3705 PSI) FROM 0°C (32°F) TO 38°C (100°F)																																						
PIPE O.D.	AR		C		AH		G		BR		BH MAX.		OAL		th		tr		R		GROOVE				GASKET				STUD BOLTS				FLANGES					
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	NO.	mm	in.	NO.	DIA. x LG.	DIA. x LG.	APPROX. MASS				
8.625	483	19.00	394	15.50	308	12.125	269.88	10.625	243.84	9.60	200	7.885	197	7.75	60.5	2.38	66.6	2.62	6	0.25	16.66	0.656	11.13	0.438	10.49	0.413	20.62	0.812	R50	15.88	0.625	12	1 5/8	381	1 5/8	15.00	134	295
10.75	585	23.00	483	19.00	373	14.67	323.85	12.75	303.61	11.953	250	9.828	233	9.19	71.2	2.804	78.3	3.081	6	0.25	16.66	0.656	11.13	0.438	10.49	0.413	20.62	0.812	R54	15.88	0.625	12	1 7/8	445	1 7/8	17.50	232	511
12.75	675	26.50	572	22.50	486	19.125	381.00	15.00	385.98	15.196	296	11.656	282	11.12	82.1	3.234	82.1	3.231	13	0.50	23.01	0.906	14.27	0.562	14.81	0.583	26.97	1.062	R58	22.23	0.875	16	2	489	2	19.25	335	739
14	750	29.50	635	25.00	543	21.375	419.10	16.50	438.91	17.28	325	12.80	311	12.25	89.6	3.528	88.3	3.476	13	0.50	26.97	1.062	15.88	0.625	17.30	0.681	31.75	1.25	R63	25.40	1.000	16	2 1/4	533	2 1/4	21.00	455	1003
16	825	32.50	705	27.75	606	23.875	469.90	18.50	496.06	19.53	372	14.628	344	13.56	99.8	3.927	96.7	3.808	13	0.50	30.18	1.188	17.48	0.688	19.81	0.780	34.93	1.375	R67	28.58	1.125	16	2 1/2	591	2 1/2	23.25	600	1323
18	915	36.00	775	30.50	670	26.375	533.40	21.00	545.92	21.493	418	16.456	373	14.69	110.4	4.346	107.3	4.224	13	0.50	30.18	1.188	17.48	0.688	19.81	0.780	34.93	1.375	R71	28.58	1.125	16	2 3/4	648	2 3/4	25.50	808	1782
20	985	38.75	832	32.75	721	28.375	584.20	23.00	587.68	23.137	464	18.284	402	15.81	121.2	4.771	117.1	4.611	13	0.50	33.32	1.312	17.48	0.688	22.33	0.879	38.10	1.50	R75	31.75	1.250	16	3	705	3	27.75	1002	2208
24	1170	46.00	991	39.00	867	34.125	692.15	27.25	722.96	28.463	557	21.94	483	19.00	140.1	5.516	131.6	5.181	13	0.50	36.53	1.438	20.62	0.812	24.82	0.977	41.28	1.625	R79	34.92	1.375	16	3 1/2	806	3 1/2	31.75	1694	3735

NOTES:
1. FOR NOTES SEE DRAWING NO. AA-036792 SHEET. 001

MANDATORY DRAWING

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
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SAUDI ARABIAN OIL COMPANY

DRAWN BY MAO CHECKED BY SCALE: NONE

DATE STARTED 05-05-95 DATE COMPLETED 05-02-95

OPR'G. DEPT. ENG. DEPT.

APPD. FOR CONST.

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNLESS CERTIFIED AND DATED

CERTIFIED BY DATE

FLANGE & RING DETAILS
SWIVEL RING FLANGES

STD. DWG. METRIC

PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
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