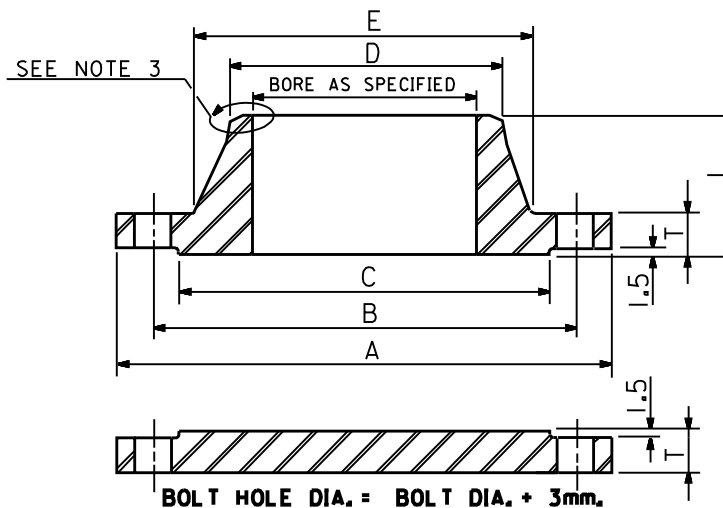
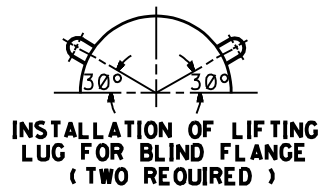
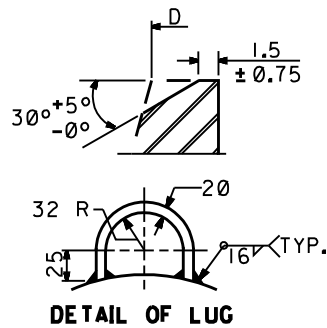


61	100	AD-036634	7	066
PLANT NO.	INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.



NOTES:

- THIS DRAWING SHALL NOT BE USED FOR NEW INSTALLATION. IT SHALL BE USED ONLY TO MATCH EXISTING INSTALLED FLANGES. FOR NEW FLANGES FOLLOW REQUIREMENTS OF SAES-L-109.
- DIMENSIONAL TOLERANCES NOT SHOWN, MARKING, FINISHES AND SPOT FACING SHALL CONFORM TO ASME B 16.5 LATEST EDITION, EXCEPT TOLERANCE ON MAX. BORE $\pm 0.3\text{mm}$, TOLERANCE ON FLANGE OUTSIDE DIAMETER $\pm 3.2 (1/8)$, AND GASKET CONTACT SURFACE TO HAVE A FINISH IN THE RANGE BETWEEN 3.2 AND 6.4 μm RA (SEE ASME B46.1) AS JUDGED BY VISUAL COMPARISON.
- DIMENSIONS FOR SIZES LARGER THAN 36" ARE EXTRAPOLATED FROM MSS-SP-44-1972, 'E', 'L' AND 'T' DIMENSIONS DO NOT CORRESPOND WITH MSS-SP-44-1982. DRILLING TEMPLATE FOR SIZES 54" AND 60" IS COPIED FROM MSS-SP-44-1982.
- HUB TO BE SINGLE TAPER TYPE. BORE (EQUAL TO MATCHING PIPE I.D.) TO BE SPECIFIED IN PURCHASE ORDER.
- MATERIALS:
 - WELD NECK FLANGES SHALL BE IN ACCORDANCE WITH 02-SAMSS-011 AND THE PURCHASE ORDER.
 - BLIND FLANGES SHALL BE 52 KSI SMYS, ASTM A694 F52 FORGINGS, OR PLATE IN ACCORDANCE WITH ASTM A737 GR. C, OR EQUAL. BLIND FLANGES THAT ARE OVENHEATED, SHALL BE TEMPERED AT 600°C MINIMUM.
- MARK BLIND FLANGES PER MSS SP-25, AND WITH THIS DRAWING NUMBER.

DWG. RESPONSIBILITY: PIPING STANDARDS COMMITTEE

REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
19	05/06	MSM		REVISED NOTES	HMM	MAS	
18	DEC 99	EDSO WED		REVISED NOTE 1			
17	07-24-96	WAS		REVISED NOTES 4 AND 5.	ORIGINAL SIGNED	ORIGINAL SIGNED	ORIGINAL SIGNED

SAUDI ARABIAN OIL COMPANY

DRAWN BY N.M. CHECKED BY SCALE NONE
 DATE STARTED DATE COMPLETED 10-07-71
 OPRG. DEPT. ENG. DEPT. ORIGINAL SIGNED
 APPD. FOR CONSTR.

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED
 CERTIFIED BY DATE

DETAILS OF LARGE SIZE

W.N. FLANGES AND BLIND FLANGES

CLASS 150 R.F.

STD. DWG.

PLANT NO.	INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
990	L	AD-036634	001	19