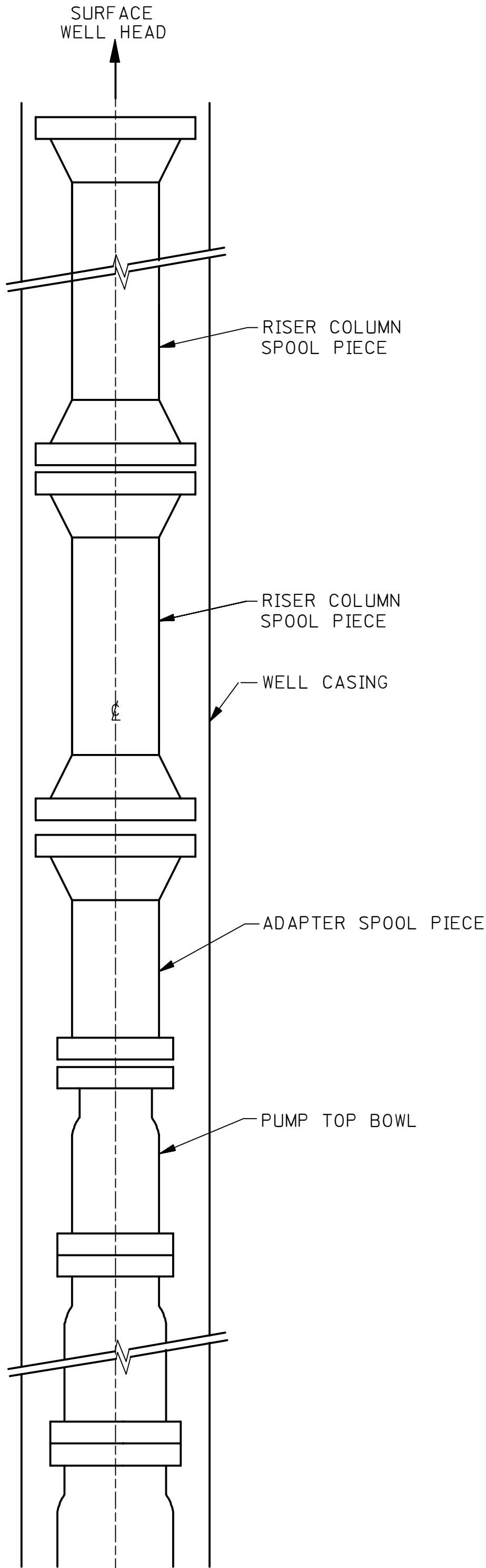
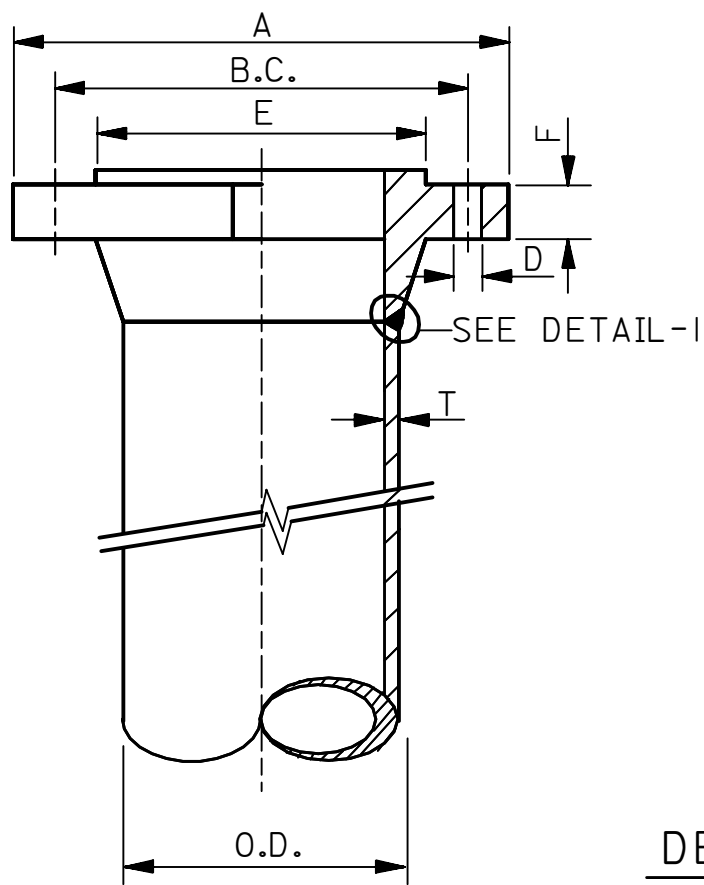
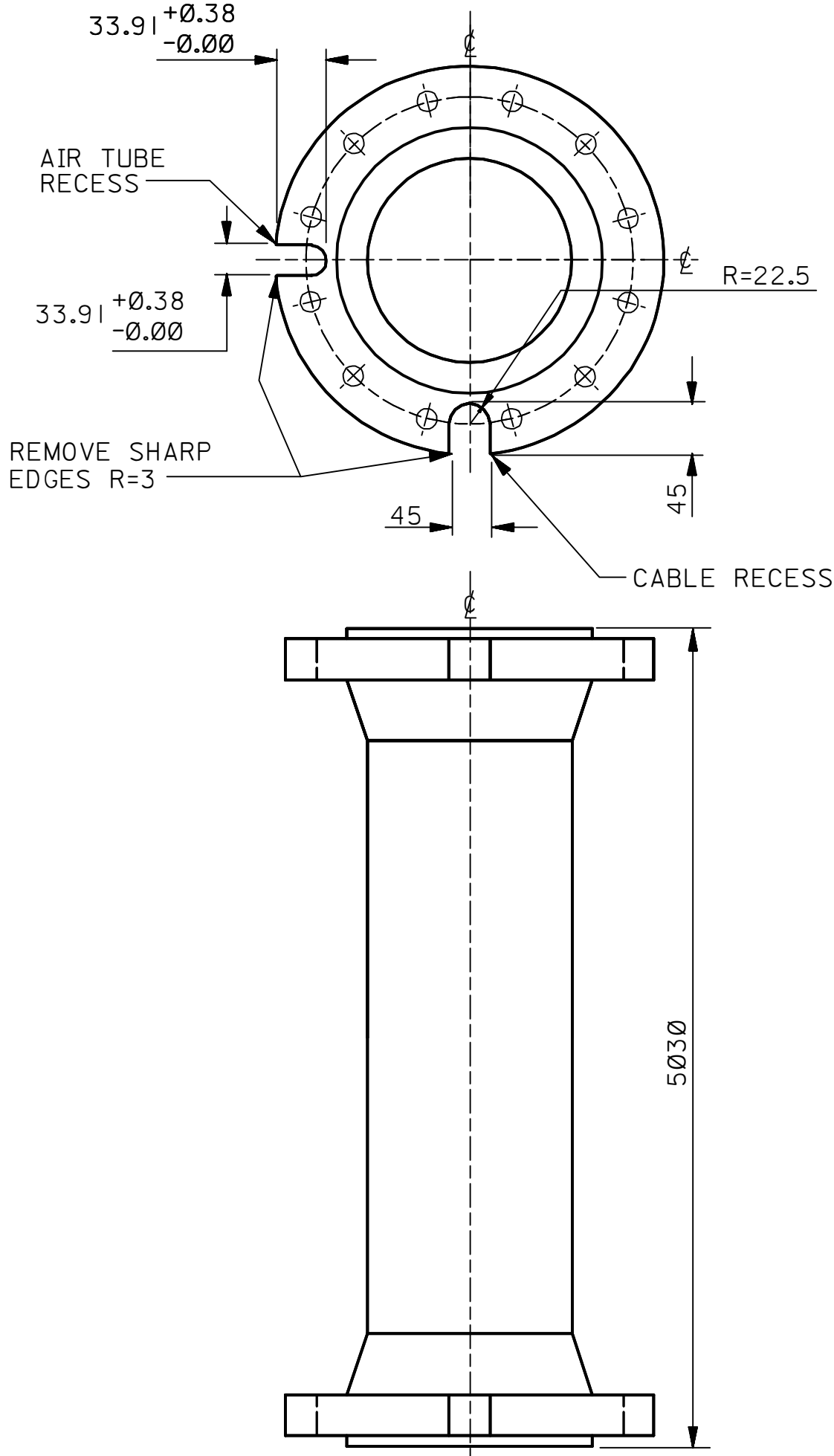


20	001	AB-036507	L	099
REV. NO.	SH. NO.	DRAWING NO.	INDEX	PLANT NO.

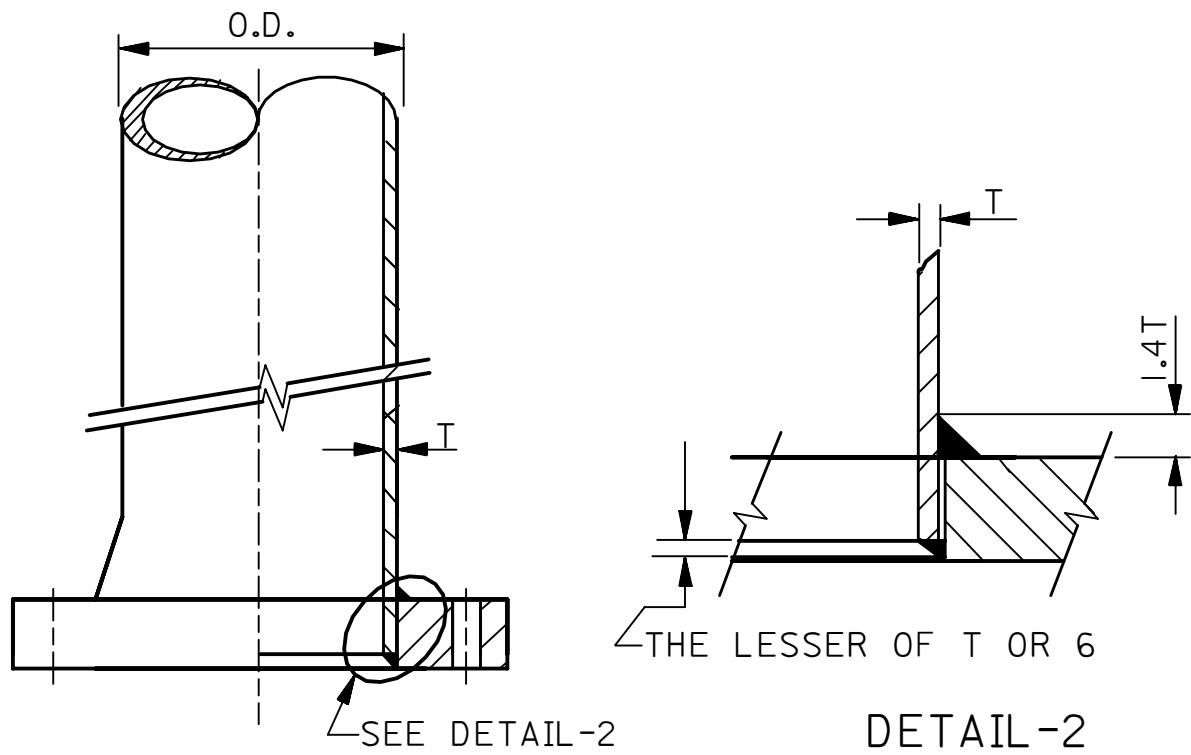
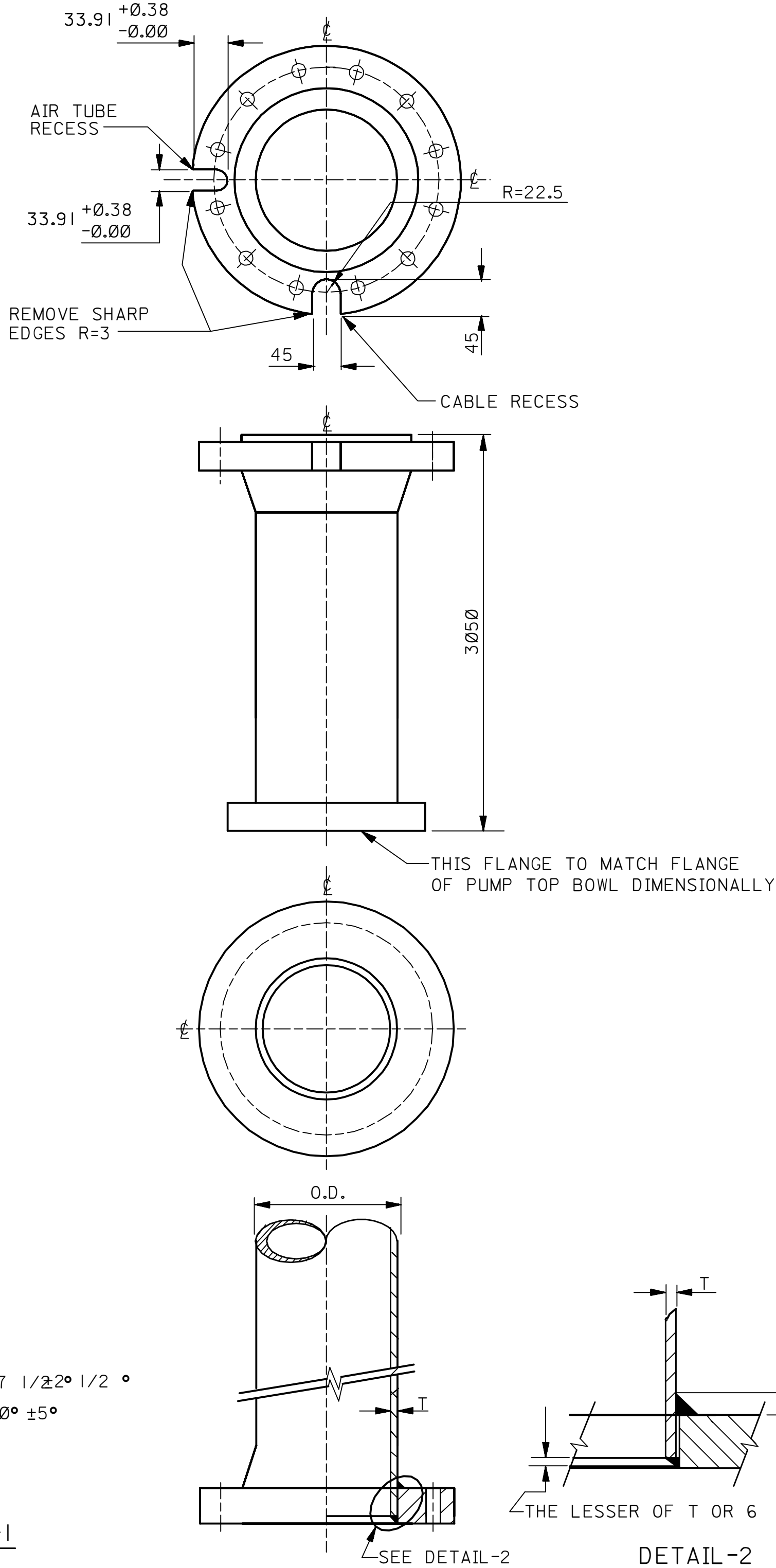


INSTALLATION OF
RISER COLUMN



RISER COLUMN
SPOOL PIECE

DETAIL-1



ADAPTER
SPOOL PIECE

DIMENSIONS AND SPECIFICATIONS			
NOM. SIZE	6"	8"	10"
PIPE			
O.D.	159	219	273
WALL TH. T	6	82	93
SPECIFICATION	DIN 2448 ST. 37	ASTM A-106GR. B API 5L GR. B	ASTM A-106 GR. B API 5L GR. B
FLANGES			
STANDARD	DIN-2635	ANSI 300LB. W.	ANSI 150LB. W.
A	300	380	405
B. C.	250	330	362
E	218	269.9	323.8
C	28	41.5	30.5
F	3	2	2
D	27	26	26
NUMBER OF BOLT HOLES	8	12	12
BOLTING	MACHINE BOLTS	MACHINE BOLTS	MACHINE BOLTS
DIA. & LENGTH	7/8 " x 120	7/8 " x 120	7/8 " x 120
SPECIFICATION	ST. STL. ASTM A-193 GRADE B-8 WITH NUTS ASTM A-194 GRADE 8F		

- CONSTRUCTION NOTES**
- BOTTOM FLANGE WITH BOLTING OF ADAPTER TO MATCH FLANGE OF PUMP TOP BOWL DIMENSIONALLY.
 - FABRICATION TO BE IN ACCORDANCE WITH SPECIFICATION 01-AMSS-10 EXCEPT AS NOTED BELOW.
 - PIPE TOLERANCES PER APPLICABLE SPECIFICATION.
 - TOLERANCES FOR FACE TO FACE LENGTH ± 6 mm.
 - ALIGNMENT OF FLANGES SHALL NOT DEVIATE FROM THE SQUARE POSITION, MEASURED ACROSS ANY DIAMETER MORE THAN 0.8mm.
 - ALIGNMENT OF CABLE AND AIR TUBE RECESS SHALL NOT DEVIATE FROM THE INDICATED POSITION MORE THAN 0.8mm.
 - HYDROSTATIC TESTING IS NOT REQUIRED.
 - THE CABLE RECESS IN THE 6 INCH AND 10 INCH NOMINAL SIZE FLANGES WILL CUT INTO THE RAISED FACE. THE COMPRESSED ASBESTOS GASKET WILL BE NOTCHED ACCORDINGLY.
 - DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

TYPICAL INSTALLATION DRAWING					
2	05-25-86	RLO	REDRAWN AND ADDED TYP. INSTALL. DWG.		
REV. NO.	DATE	BY	DESCRIPTION	CHKD	CERT. APPD.
FOR ARABIAN AMERICAN OIL COMPANY					
DRAWN BY <u>R.L.</u> CHECKED BY _____ SCALE: <u>NONE</u>					
DATE STARTED _____ DATE COMPLETED <u>JAN. 1979</u>					
OPR'G. DEPT. _____ ENG. DEPT. _____					
APP'D. FOR CONST. _____					
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED			CERTIFIED DATE		
RISER COLUMN AND ADAPTERS					
FOR SUBMERSIBLE PUMPS					
STD. DWG.				METRIC	
PLANT NO.	INDEX	DRAWING NO.		SH. NO.	REV. NO.
990	L	AB-036507		001	02