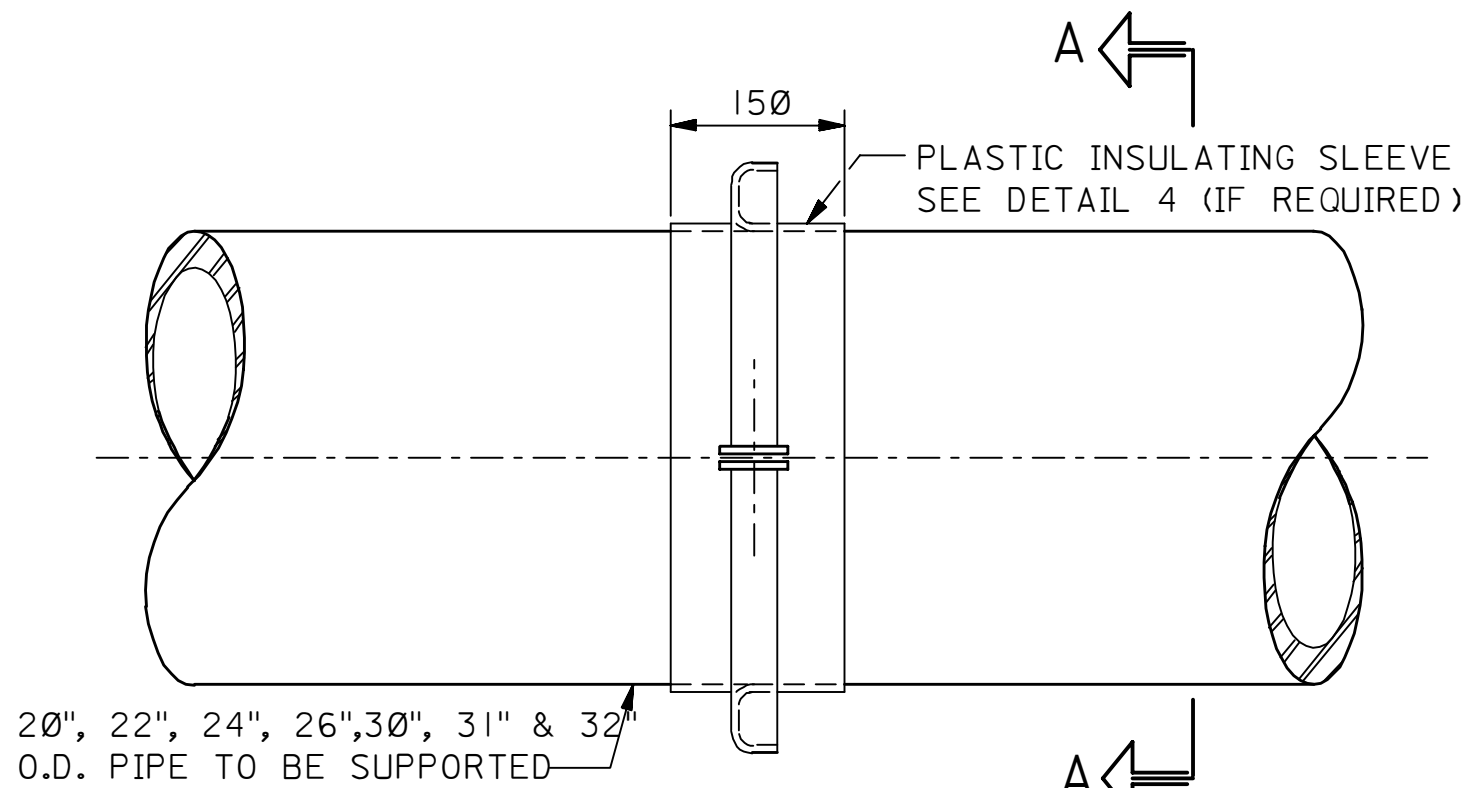
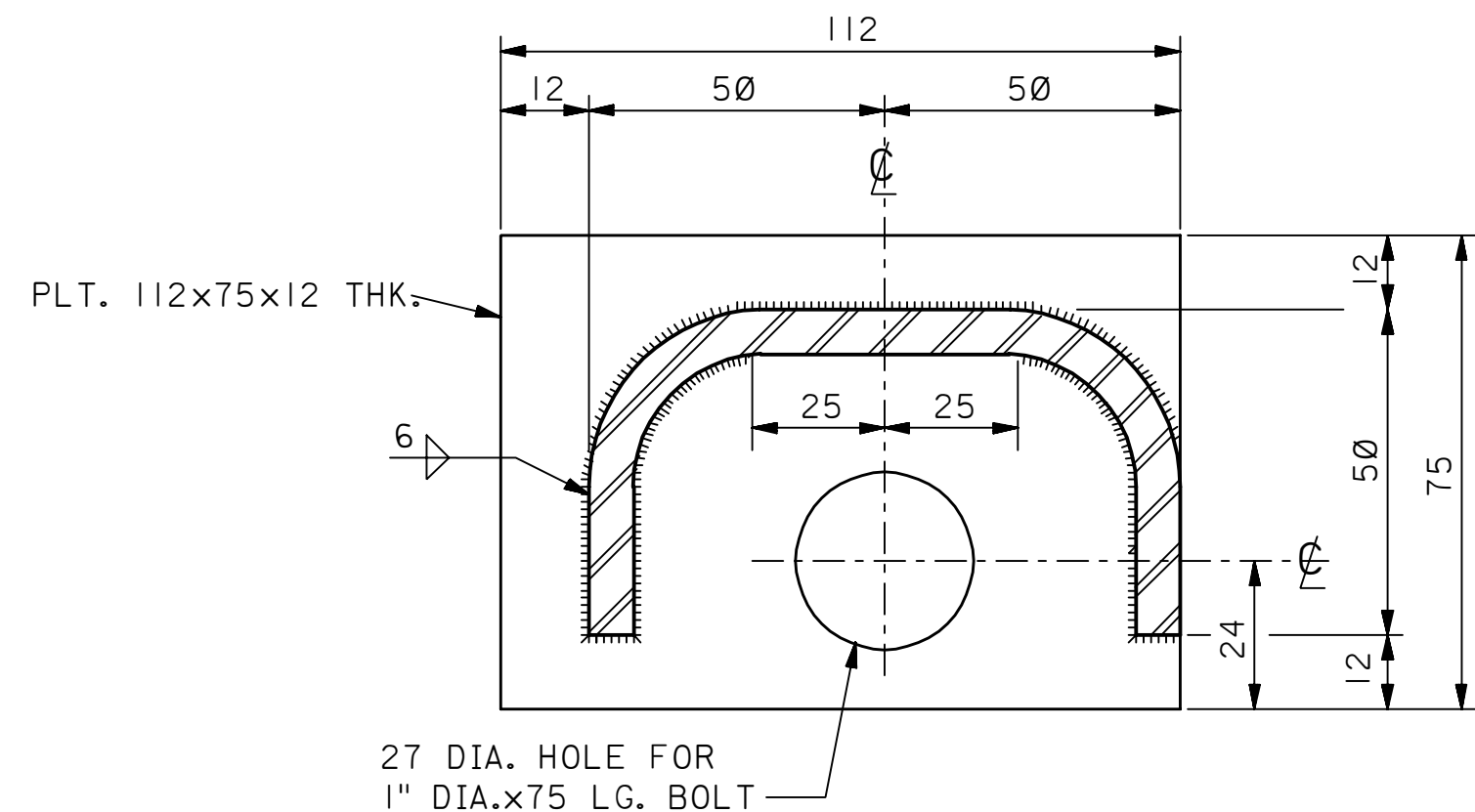


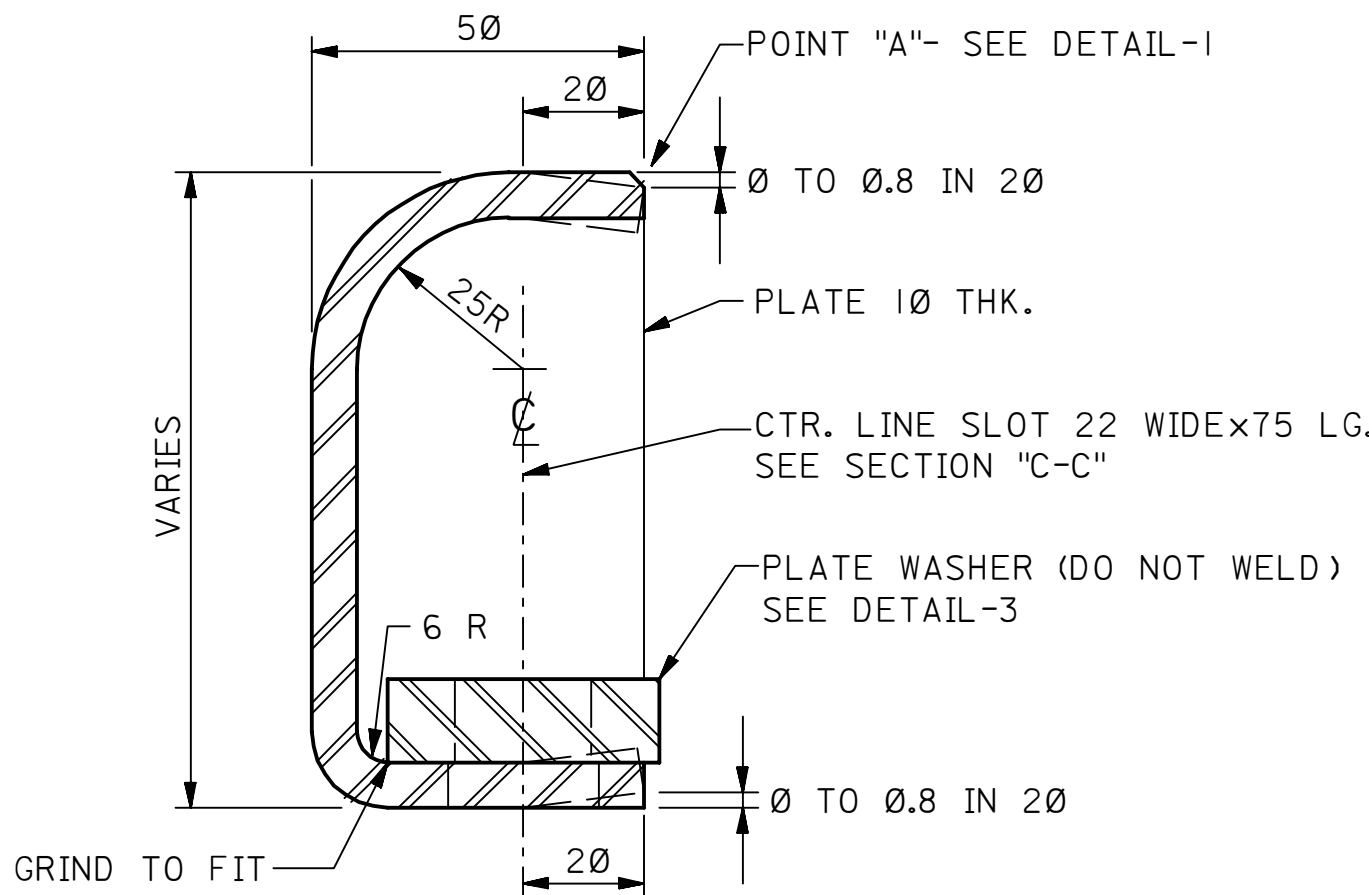
80	100	001900	AB-036100	L	990
ON REV. NO.	SH. NO.	DRAWING NO.	INDEX	PLANT NO.	REV. NO.



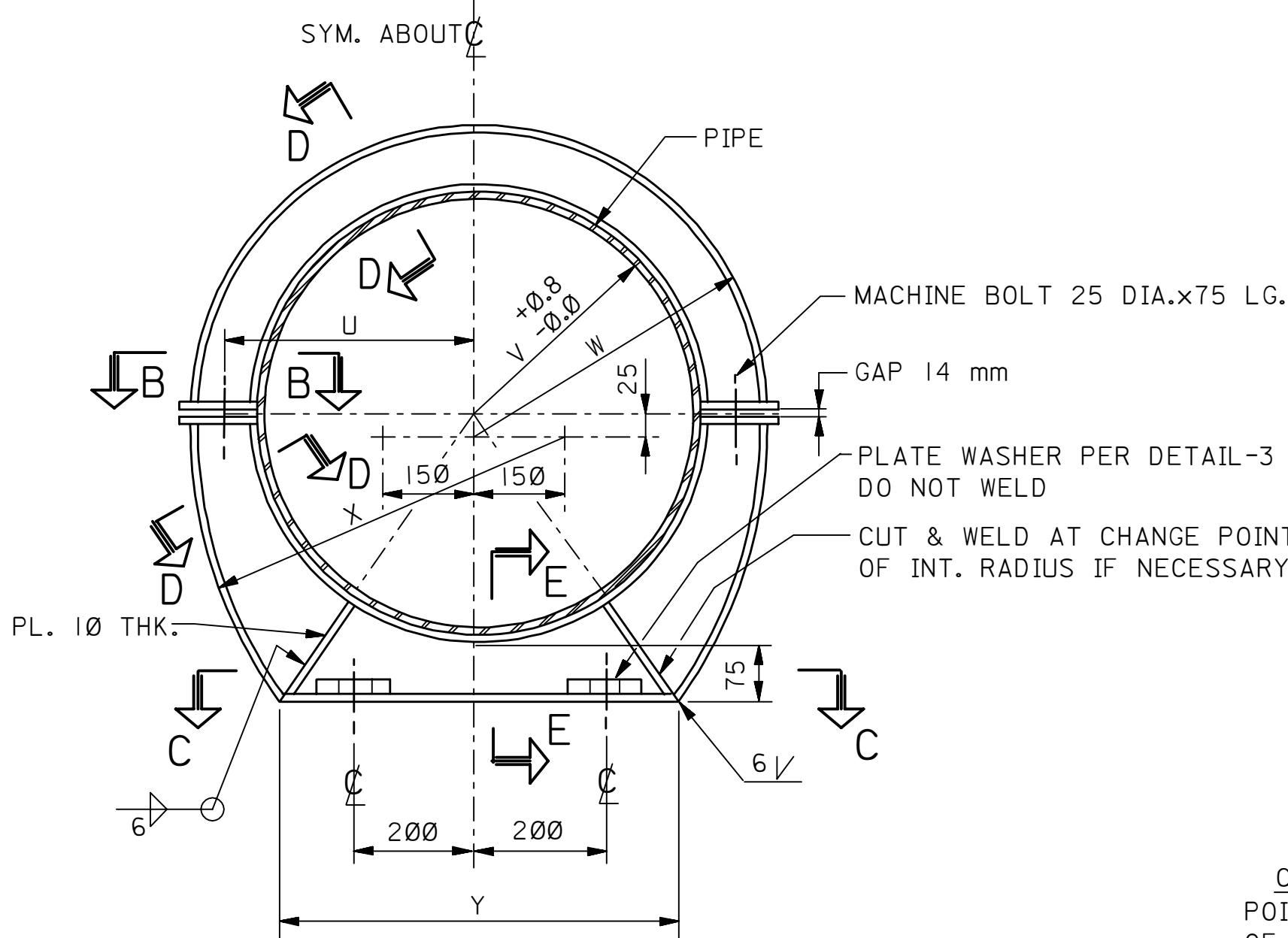
SIDE ELEVATION



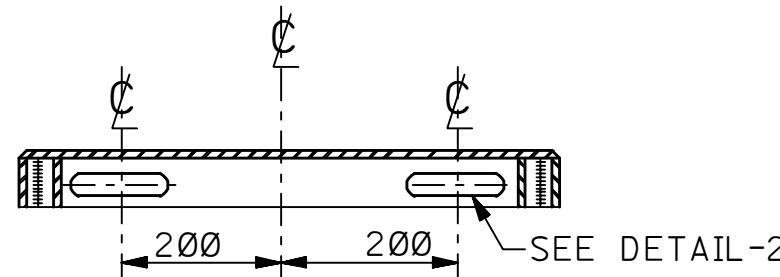
SECTION "B-B"



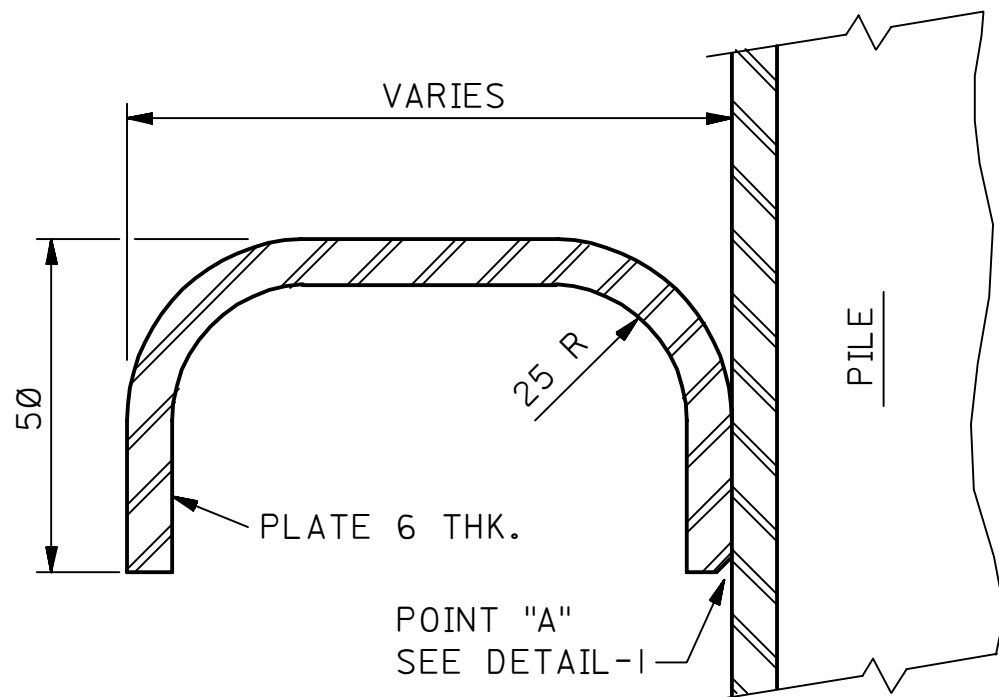
SECTION "E-E"



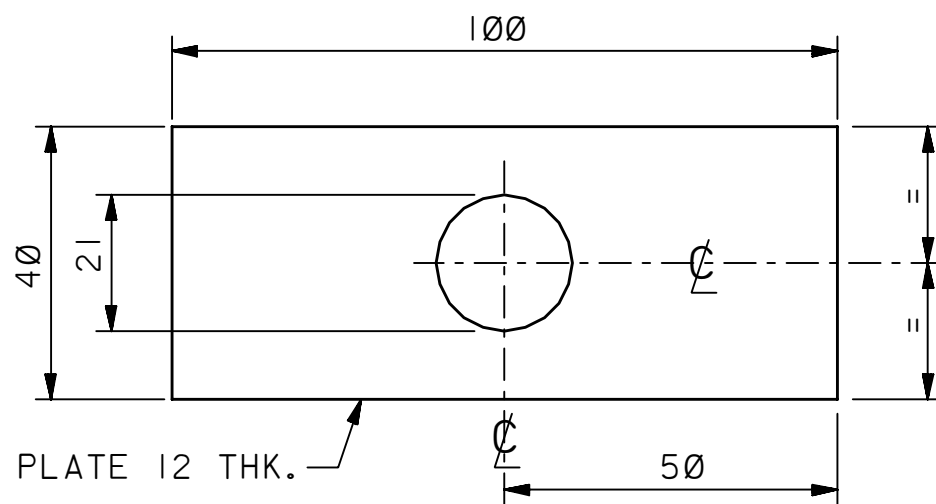
SECTION "A-A"



SECTION "C-C"



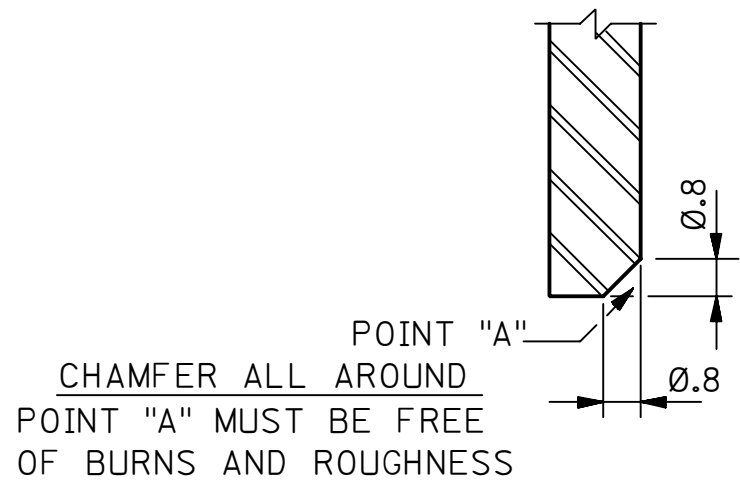
SECTION "D-D"



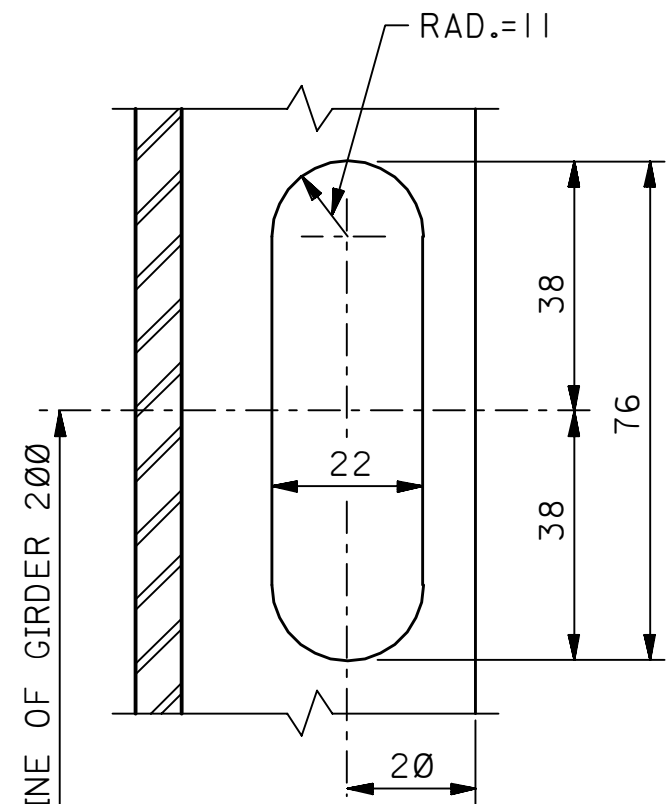
DETAIL-3
PLATE WASHER
(2 REQ'D.)

DIMENSION TABLE
(SEE SECTION "A-A")

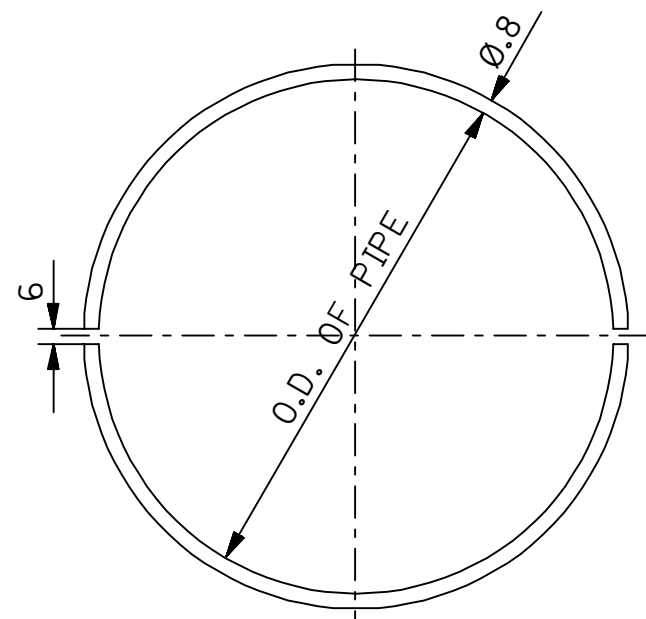
SIZE	U	V	W	X	Y	TYPE
32" O.D. PIPE	455	409.6	510	660	650	3
31" O.D. PIPE	445	396.9	495	650	635	2
30" O.D. PIPE	430	384.2	485	635	620	1
26" O.D. PIPE	380	333.4	430	585	580	5
24" O.D. PIPE	355	308.0	405	560	550	4
22" O.D. PIPE	330	282.6	380	535	525	6
20" O.D. PIPE	305	256.4	355	510	500	7
18" O.D. PIPE	280	231.0	330	485	475	8
16" O.D. PIPE	255	205.6	305	455	450	9



DETAIL-1



DETAIL-2



DETAIL-4
SEE NOTE 4
(SLEEVE LENGTH 150 mm)

NOTES:

- DIMENSIONS FOR WHICH NO TOLERANCE IS GIVEN MUST BE HELD WITHIN ± 0.8 mm.
- IT IS ESSENTIAL THAT PIPE BEARING SURFACE OF GIRDER BE PARALLEL TO AXIS OF PIPE TO PROVIDE MINIMUM OF 20 mm BEARING. SEE TOLERANCES IN SECTION "E-E".
- VENDER TO PROVIDE TWO 1" DIA.x75 mm LG. MACHINE BOLTS AND HEX. NUTS WITH EACH SUPPORT.
BOLT: REGULAR SQUARE HEAD ANSI B-18.2 SERIES CUT THREAD, NATIONAL COARSE ANSI B-1.1, CLASS 2-A FIT.
NUT: AMERICAN STANDARD HEAVY HEXAGON COLD PUNCHED OR HOT PRESSED SEMIFINISHED, ANSI B-18.2, SERIES SCREWED ON.
- RING GIRDER CAN BE USED WITH OR WITHOUT 0.8 mm THK. INSULATING SLEEVE MADE OF NYLON 6 PER DETAIL-4.
- ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

MATERIAL SPECIFICATIONS:

STEEL TO BE IN ACCORDANCE WITH ASTM A 283 GR. C.

INSPECTION REQUIREMENTS:

A MACHINED STEEL CYLINDER OF SPECIFIED RADIUS 'V' SHALL BE PLACED ON BOTTOM PART OF EACH RING GIRDER.

TOP HALF OF RING GIRDER SHALL BE BOLTED OVER STEEL INSPECTION CYLINDER AND GIRDER BOLTS SHALL BE TIGHTENED AFTER INSERTING SPACERS BETWEEN BOTTOM AND TOP FLANGE.

TO INSPECT, INSERT FEELER GAUGES BETWEEN CYLINDER AND SADDLE FROM SIDES WHERE THERE IS A PARTIAL OR FULL GAP BETWEEN CYLINDER AND SADDLE.

FEELER THICKNESS	MAXIMUM ALLOWABLE
2.54 mm	NO GO AT ANY POINT.
1.52 mm	PASS THROUGH OVER AN ARC LENGTH UPTO 30°.
0.76 mm	PASS THROUGH OVER AN ARC LENGTH UPTO 60°.

REVISION NOTE-1:

REDRAWN COMPLETELY. DELETED INDEX M AND ADDED TYPICAL INSTALLATION DRAWING.

TYPICAL INSTALLATION DRAWING

08	07-01-86	RL0	SEE REVISION NOTE-1.			
REV. NO.	DATE	BY	DESCRIPTION	CHKD	CERT.	APPD.

FOR ARABIAN AMERICAN OIL COMPANY

DRAWN BY J.V.H. CHECKED BY F.I.D. SCALE: NONE
DATE STARTED 10-30-51 DATE COMPLETED 10-30-51
OPR'G. DEPT. ENGINEERING ENG. DEPT. ENGINEERING

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

BOLTING TO SUPPORTS FOR

16" O.D. THROUGH 32" O.D. PIPE

STD DWG. METRIC

990	L	AB-036100	001	08
PLANT NO.	INDEX	DRAWING NO.	SH. NO.	REV. NO.