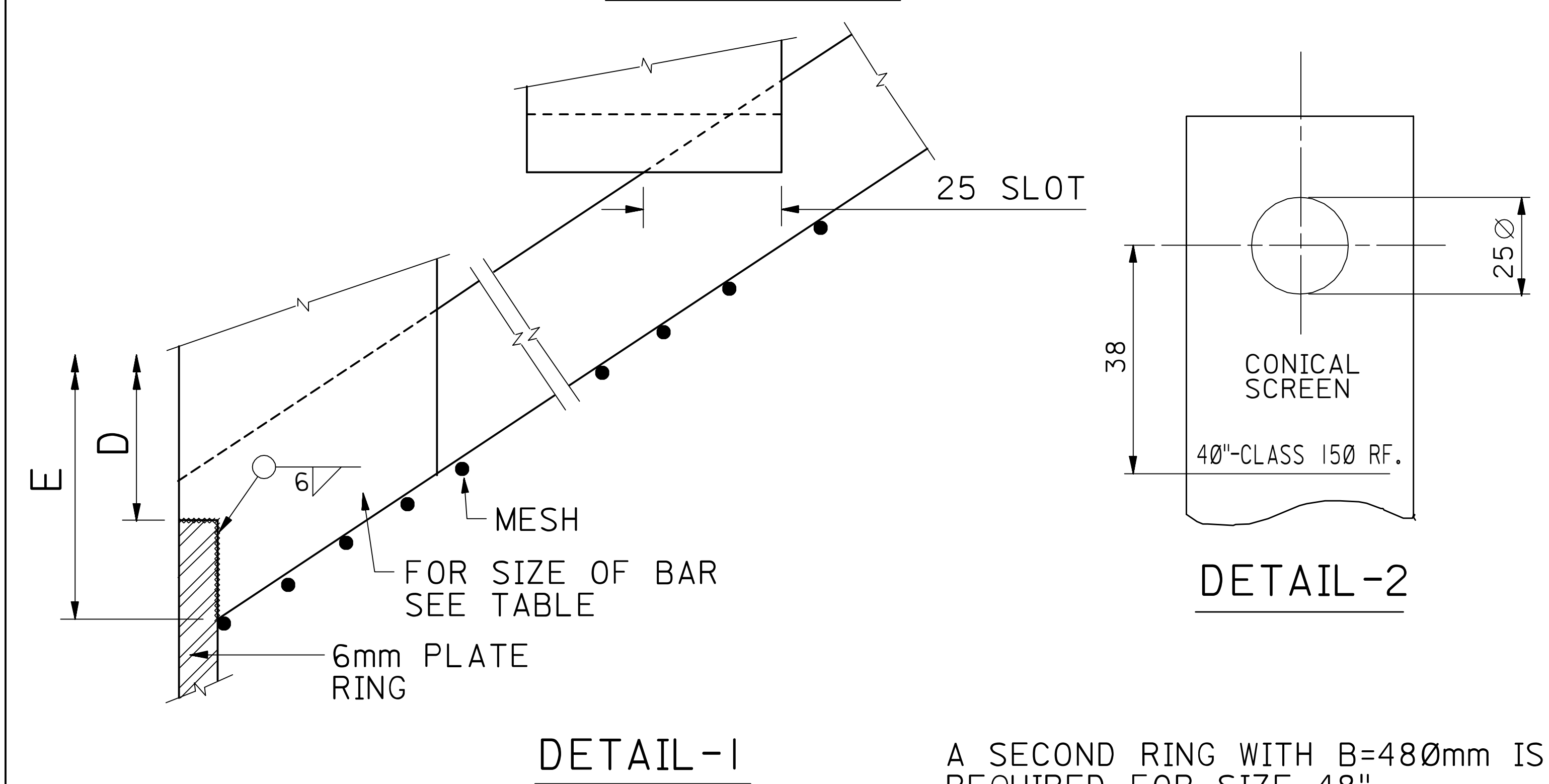
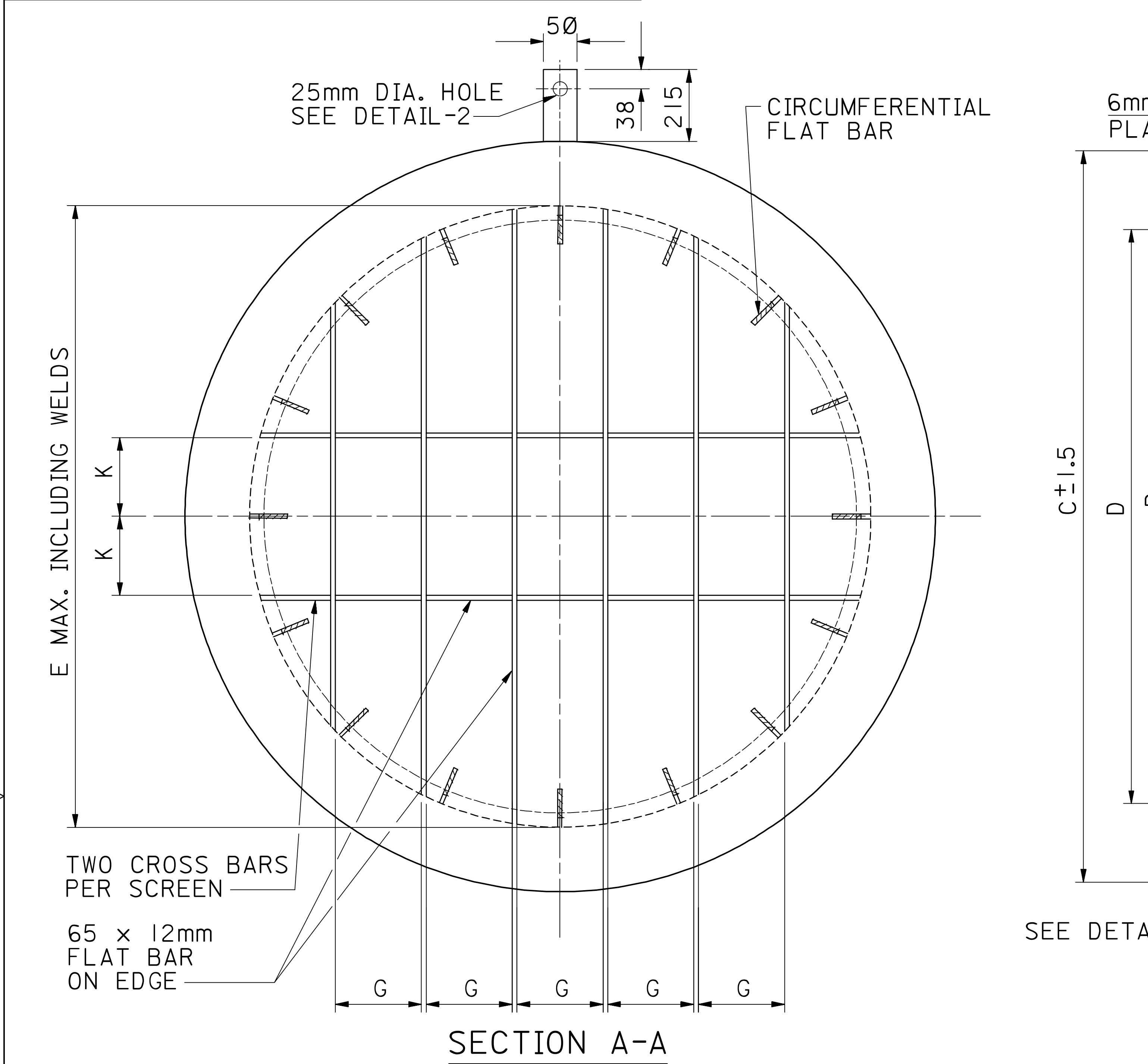
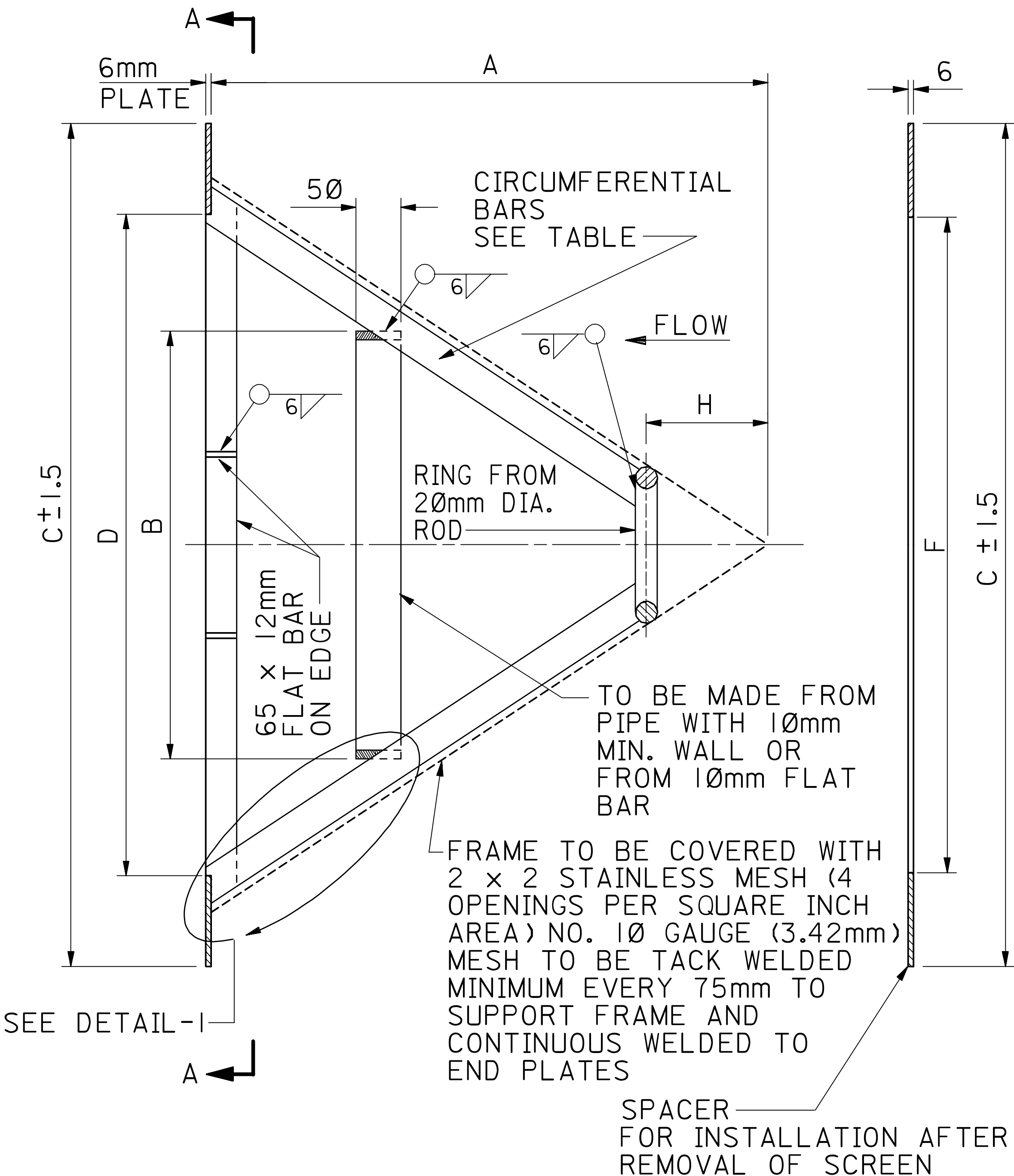


13	100	889920-0A	7	096
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.



A SECOND RING WITH B=480mm IS REQUIRED FOR SIZE 48".



PIPE SIZE	A	B	C	D	E	F	G	H	K	NO. OF VERT. BARS	NO. OF CIRCLE BARS	SIZE OF CIRCUMF. BARS	ALLOWABLE PRESSURE DIFFERENCE OVER-SCREEN
in.	mm	mm	mm	mm	mm	mm	mm	mm	mm			mm	KPa
16	380	-	505	320	360	390	100	100	70	2	6	38 x 10	193
20	500	280	600	440	470	490	150	120	80	2	6	38 x 10	290
24	640	320	710	540	570	590	180	160	90	2	6	38 x 10	159
30	840	440	875	680	720	745	110	200	100	4	8	50 x 10	179
32	880	460	930	740	770	795	150	200	110	4	12	50 x 10	221
34	940	480	980	780	820	845	150	200	110	4	12	50 x 10	179
36	1000	500	1040	840	870	890	150	200	110	4	16	50 x 10	193
40	1160	560	1155	940	970	990	160	200	130	4	16	50 x 12	165
42	1240	580	1210	1000	1030	1040	180	200	130	4	16	50 x 12	145
48	1420	820	1375	1140	1180	1195	160	200	130	6	16	50 x 12	165

- NOTES:**
1. PLATE AND FRAME TO BE FABRICATED OF MILE STEEL. MESH TO BE 316L STAINLESS STELL. (FOR WATER SERVICE SEE NOTE 6)
 2. TOLERANCES TO BE $\pm 1.5\text{mm}$ UNLESS OTHERWISE NOTED.
 3. FABRICATOR TO STAMP SIZE AND RATING ON EXTENSION PIECE AS SHOWN IN DETAIL-2.
 4. THE SCREEN SHALL BE INSTALLED WITH THE APEX OF THE CONE POINTING UPSTREAM.
 5. PROVIDE 3/4 " WELDING BOSSES ON PIPING THREE PIPE DIAMETERS UPSTREAM OF SCREEN'S FLANGE AND IMMEDIATELY DOWNSTREAM OF SCREEN'S FLANGE TO PERMIT INSTALLATION OF PRESSURE TAPS FOR MEASURING PRESSURE DIFFERENTIAL ACROSS SCREEN.
 6. FOR INSTALLATION IN AERATED, SALINE WATER SERVICE ALL PARTS TO BE MONEL OR 90-30 CU NI ALLOYS. FOR OTHER WATER SERVICES, TYPE 316L STAINLESS STEEL MAY ALSO BE USED.
 7. TOTAL FREE AREA OF CONE IS APPROX. 150% OF CIRCULAR FLOW AREA.
 8. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

REFERENCE DRAWINGS	
CONICAL SUCTION SCREENS SIZES 14" & SMALLER	AD-036080
<u>REVISION NOTE:-</u> 1. REDRAWN, CONSOLIDATED SH. 1 & 2 INTO SH.1. METRIC VERSION ONLY & ADDED TYPICAL INSTALLATION NOTE.	

TYPICAL INSTALLATION DRAWING						
13	NOV08	MSM		REVISED NOTE 6.	NIN	NAW
12	7/8/06	MSM		GENERAL REVISION	HMM	MAS
11	JUNE94	CAB		REVISED NOTE 6.		
10	FEB94	ESSD KAJ		REVISED NOTES	ORIGINAL SIGNED	ORIGINAL SIGNED
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT. APPD.

SAUDI ARABIAN OIL COMPANY				
DRAWN BY <u>BDH</u>		CHECKED BY <u>MV</u>		SCALE <u>07-25-70</u>
DATE STARTED _____		DATE COMPLETED _____		
OPR'G. DEPT. _____		ENG. DEPT. <u>ORIG. SIGNED</u>		
APP'D FOR CONSTR. _____				
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED		CERTIFIED ORIG. CERTIFIED BY _____ DATE _____		
CONICAL PUMP SUCTION SCREEN FOR CLASS 150 & 300 FLANGES PIPE SIZES 16 IN. AND LARGER				
STD. DWG.				
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	L	AC-036688	001	13