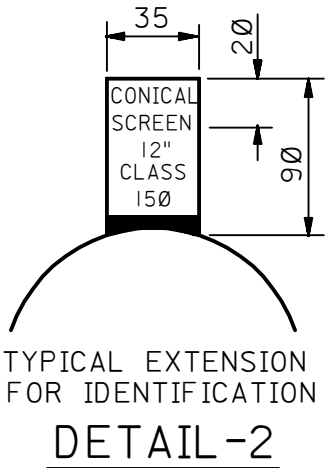
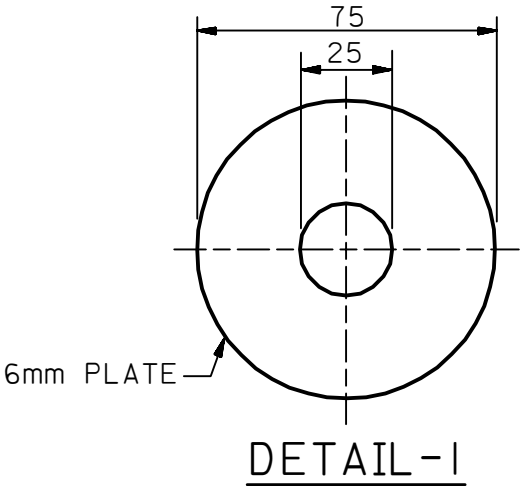
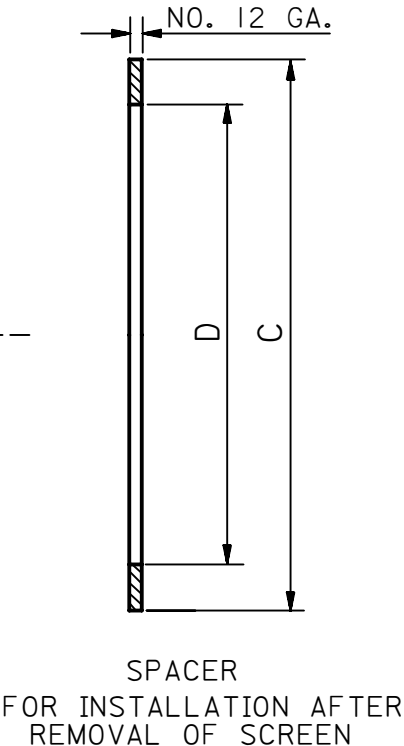
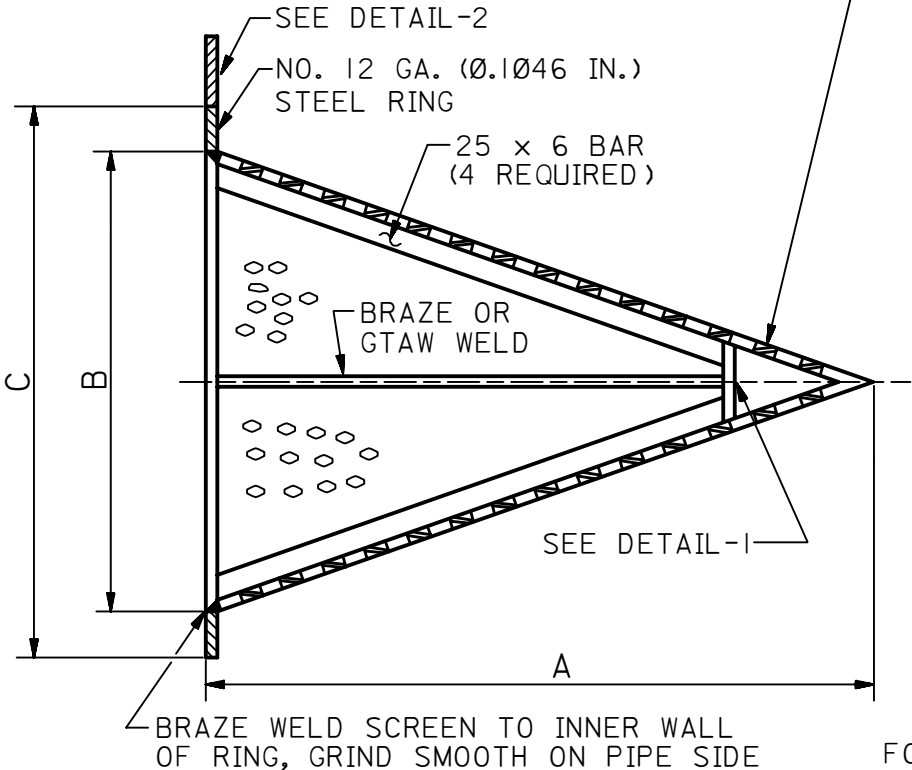


990	001	AD-036495	L	066
PLANT NO.	INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.

PERFORATED STEEL PLATE

14 GA. TH. 3mm Ø HOLES 4/cm² FOR SIZE 6"
12 GA. TH. 5mm Ø HOLES 2/cm² FOR SIZES 8" & 10"
10 GA. TH. 5mm Ø HOLES 2/cm² FOR SIZES 12" & 14"



NOTES:

- SCREEN AND PLATE MATERIAL SHALL BE MILD CARBON STEEL.
- TOTAL FREE AREA OF CONE IS APPROX. 150% OF CIRCULAR FLOW AREA.
- FABRICATOR TO STAMP SIZE AND RATING ON EXTENSION AS SHOWN IN DETAIL.
- TOLERANCES FOR "C" DIMENSION: +0, -3mm.
- THE SCREEN SHALL BE INSTALLED WITH THE APEX OF THE CONE POINTING UPSTREAM.
- PROVIDE 3/4 " WELDING BOSSES ON PIPING THROUGH PIPE DIAMETERS UPSTREAM OF SCREEN'S FLANGE AND IMMEDIATELY DOWNSTREAM OF SCREEN'S FLANGE TO PERMIT INSTALLATION OF PRESSURE TAPS FOR MEASURING DIFFERENTIAL ACROSS SCREEN.
- 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.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

REVISION NOTE:-

- REDRAWN, CONSOLIDATED SH. 1 & 2 TO SH. 1 METRIC VERSION ONLY.

TYPICAL INSTALLATION DRAWING

03	06-21-94	CAB	REVISED NOTE-7.	ORIGINAL SIGNED	ORIGINAL SIGNED	ORIGINAL SIGNED
02	05-27-86	RLO	SEE REVISION NOTE-1.	CHKD.	CERT.	APPD.

DIMENSIONS IN MILLIMETERS												
			TYPE-I CLASS 150 R.F.			TYPE-II CLASS 300 R.F.			TYPE-III CLASS 600 R.F.			ALLOWABLE PRESS. DIFF. OVER SCREEN KPa
PIPE SIZE	A	B	C	D	AMS NO.	C	D	AMS NO.	C	D	AMS NO.	
6"	355	145	220	150	02-935-815	220	150	02-935-815	265	145	02-935-818	145
8"	430	190	280	205	02-935-821	280	205	02-935-821	320	195		207
10"	535	240	340	255	02-935-825	340	255	02-935-825	400	250		152
12"	635	285	410	305	02-935-827	410	305	02-935-827	455	300	02-935-830	165
14"	700	320	450	340	02-935-833	450	340	02-935-833	490	330		138

METRIC DIMENSIONS OF STOCK ITEMS ARE A DIRECT CONVERSION OF CONVENTIONAL UNITS TO METRIC UNITS
FOR SIZES 2, 3 & 4 IN. SEE STD. DWG. AD-036080
FOR SIZES 16 IN. AND LARGER SEE STD. DWG. AC-036688

SAUDI ARABIAN OIL COMPANY				
DRAWN BY <u>RLO/LML</u> CHECKED BY <u>NJF 04-16-84</u> SCALE _____				
DATE STARTED _____ DATE COMPLETED <u>04-16-84</u>				
OPRG. DEPT. _____ ENG. DEPT. _____				
APPD. FOR CONSTR. _____				
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED			CERTIFIED BY _____ DATE _____	
CONICAL PUMP SUCTION SCREEN				
FOR RAISED FACE FLANGES				
PIPE SIZES 6, 8, 10, 12 & 14 INCHES				
STD. DWG. METRIC				
PLANT NO.	INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
990	L	AD-036495	001	03