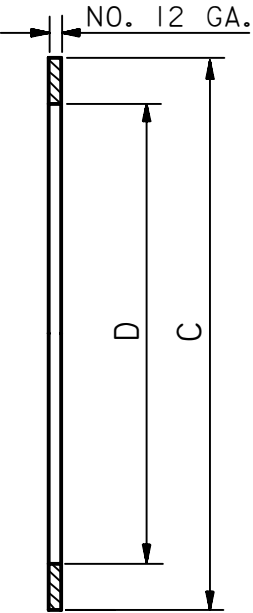
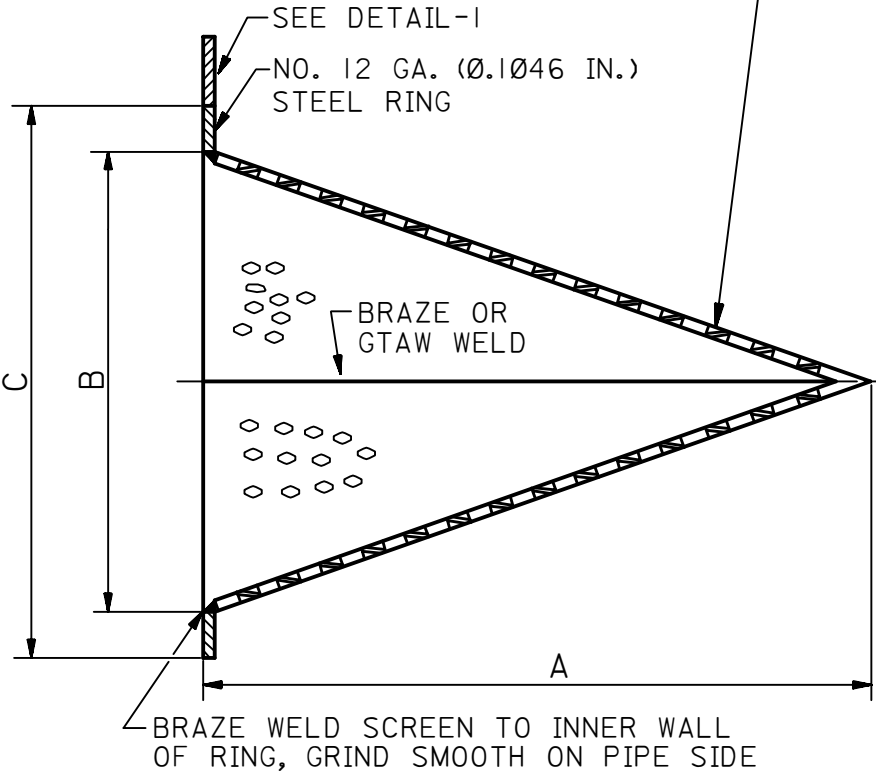
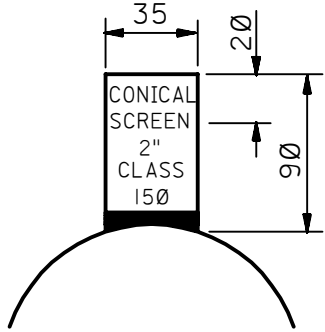


71	100	080930-0A	7	066
REV. NO.	SHEET NO.	DRAWING NUMBER	INDEX	PLANT NO.

PERFORATED STEEL PLATE
14 GA. TH. 3mm Ø HOLES 4/cm²



SPACER
FOR INSTALLATION AFTER
REMOVAL OF SCREEN



TYPICAL EXTENSION
FOR IDENTIFICATION
DETAIL-I

			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 mm	B mm	C mm	D mm	AMS NO.	C mm	D mm	AMS NO.	C mm	D mm	AMS NO.	
2"	120	45	105	50	02-935-804	105	50	02-935-804	105	50	02-935-804	538
3"	180	70	135	75	02-935-808	135	75	02-935-808	135	75	02-935-808	345
4"	230	90	175	100	02-935-812	175	100	02-935-812	175	100	02-935-812	255

METRIC DIMENSIONS OF STOCK ITEMS ARE A DIRECT CONVERSION OF CONVENTIONAL UNITS TO METRIC UNITS
FOR SIZES 6 IN. THRU 14 IN. SEE STD. DWG. AD-036495
FOR SIZES 16 IN. AND LARGER SEE STD. DWG. AC-036688

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 THREE 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, STYPE 316L STAINLESS STEEL MAY ALSO BE USED.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

TYPICAL INSTALLATION DRAWING

17	06-21-94	CAB		REVISED NOTE-7.			
16	07-21-86	RLO		COMPLETELY REDRAWN.	ORIGINAL SIGNED	ORIGINAL SIGNED	ORIGINAL SIGNED
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.

SAUDI ARABIAN OIL COMPANY

DRAWN BY _____ CHECKED BY _____ SCALE _____

DATE STARTED _____ DATE COMPLETED _____

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 2, 3 & 4 INCHES

STD. DWG. METRIC

PLANT NO.	INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
990	L	AD-036080	001	17