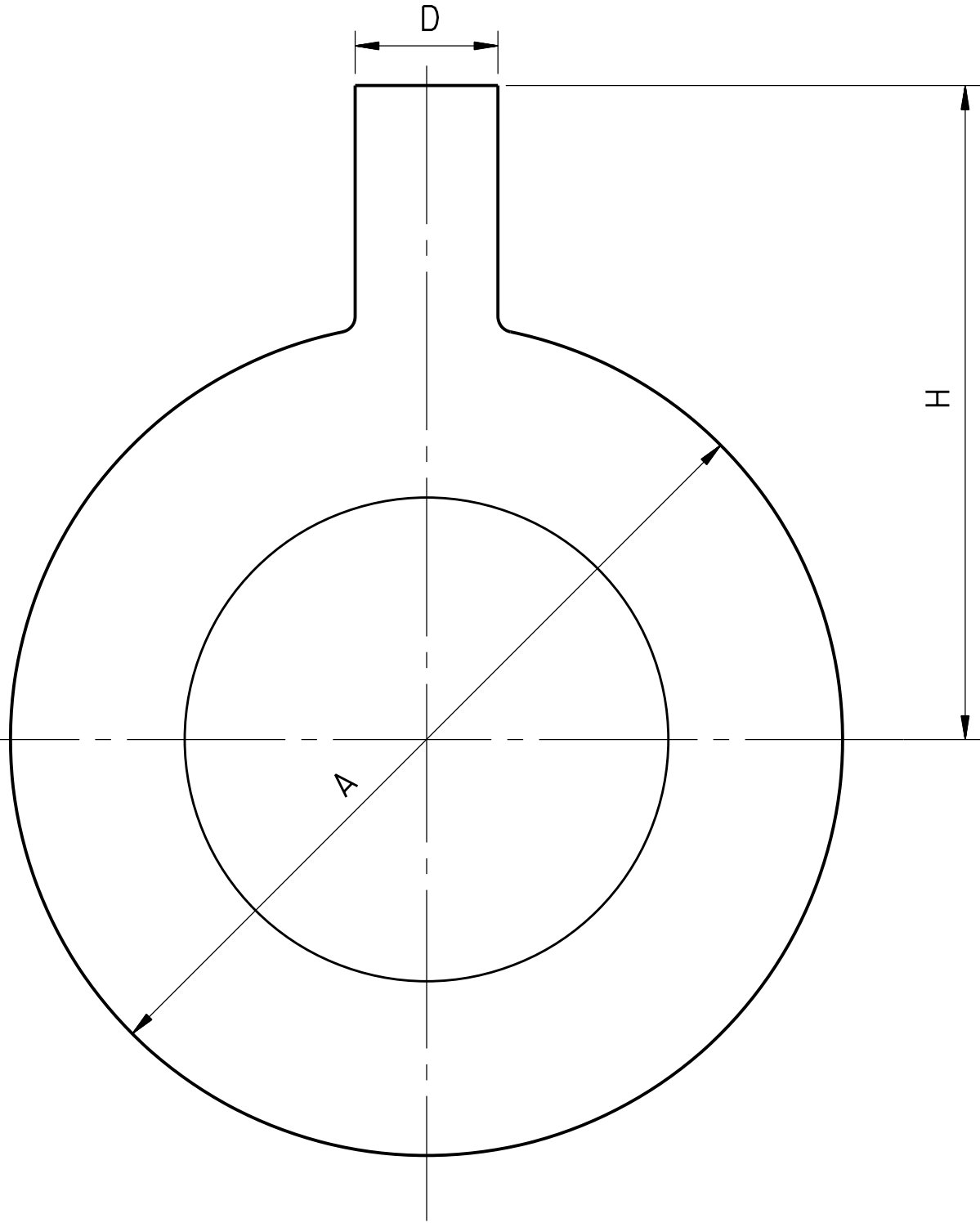
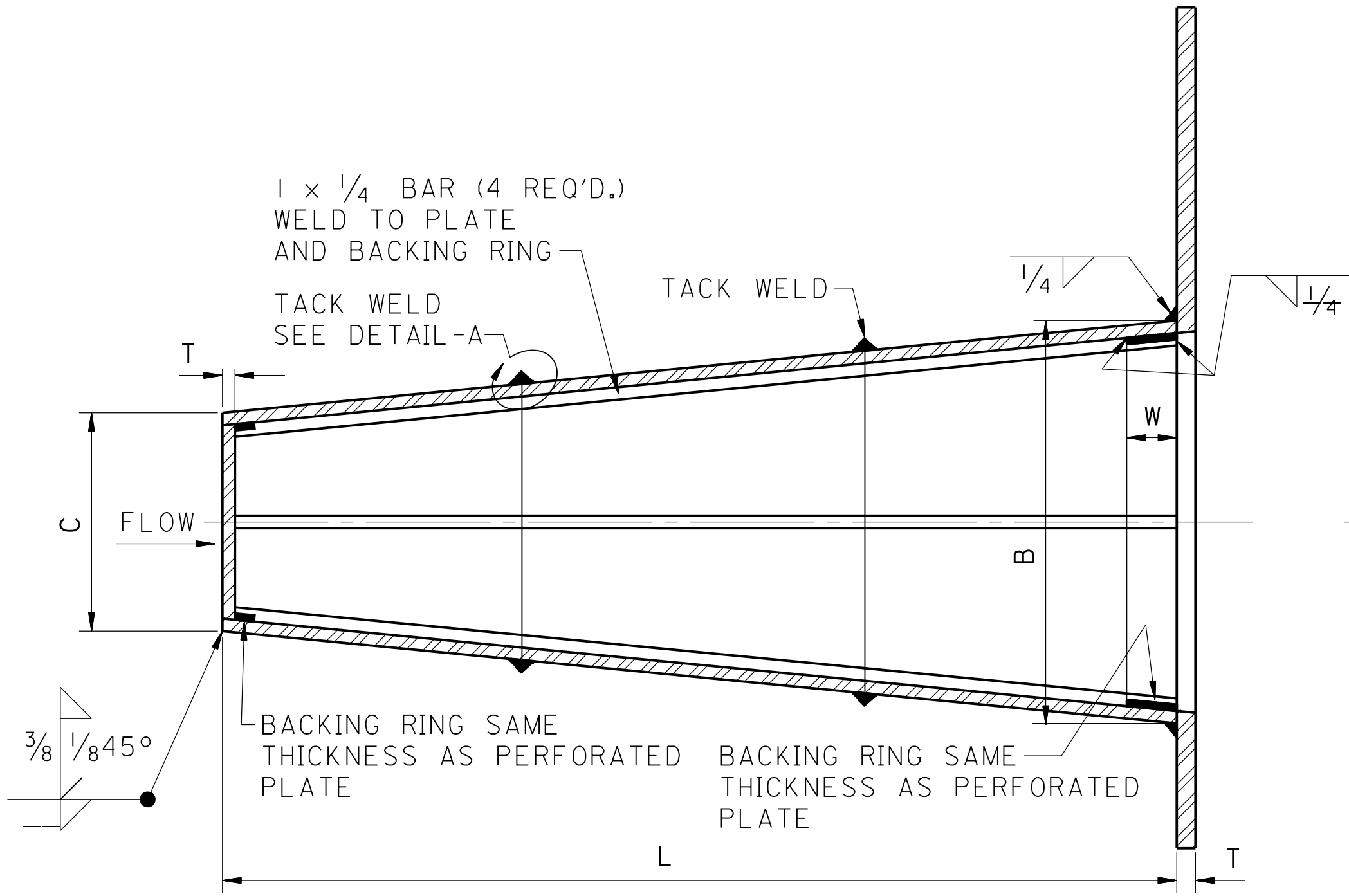
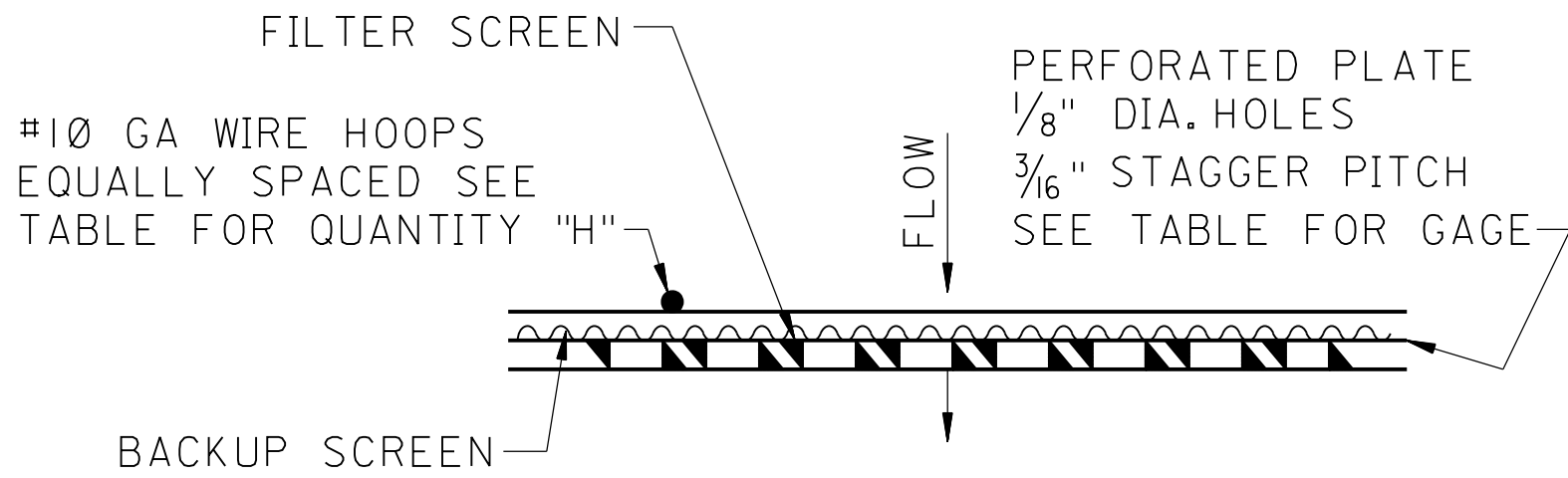


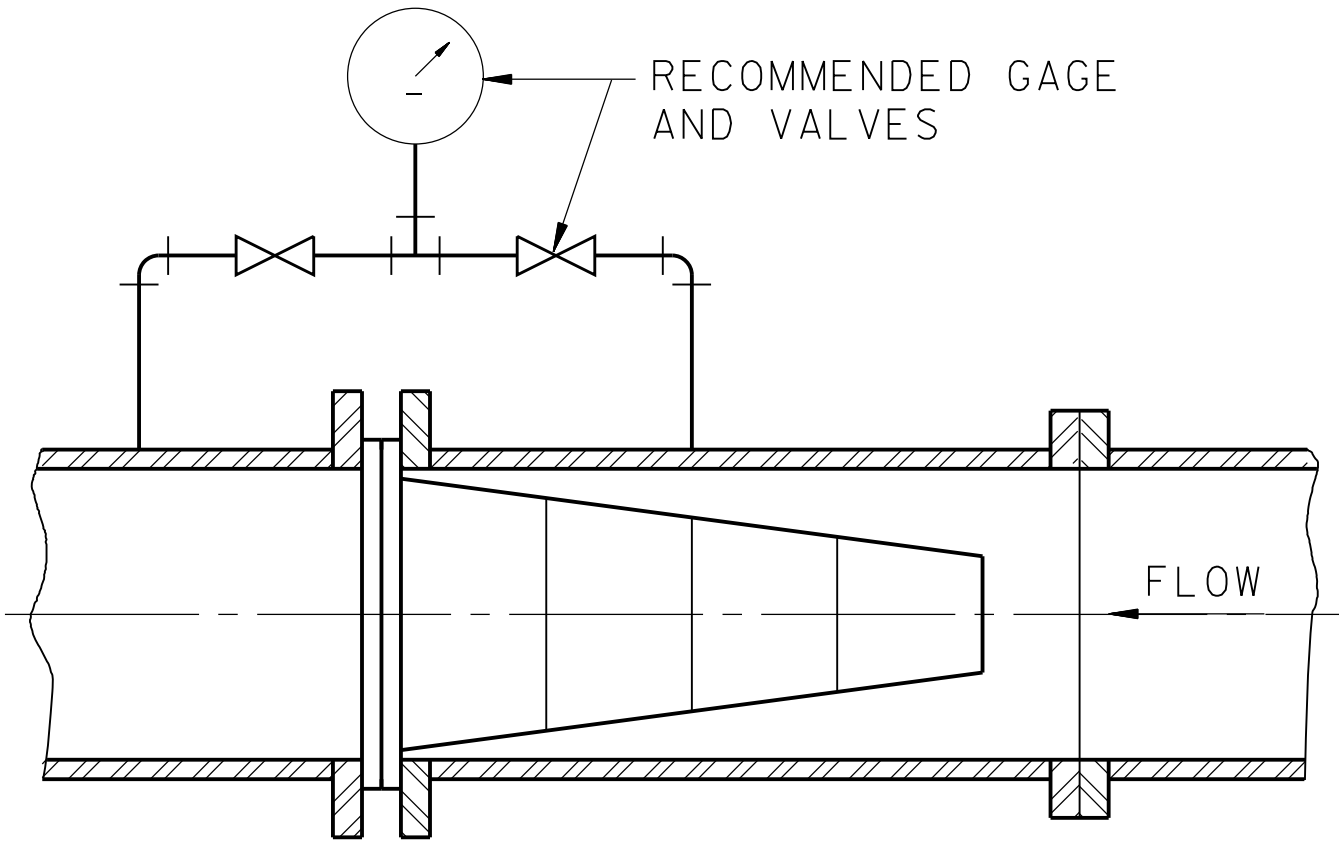
20	100	49767	AB-036764	7	099	
JOB ORDER/EWO NO.	PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.	



DETAIL OF BACKING RING

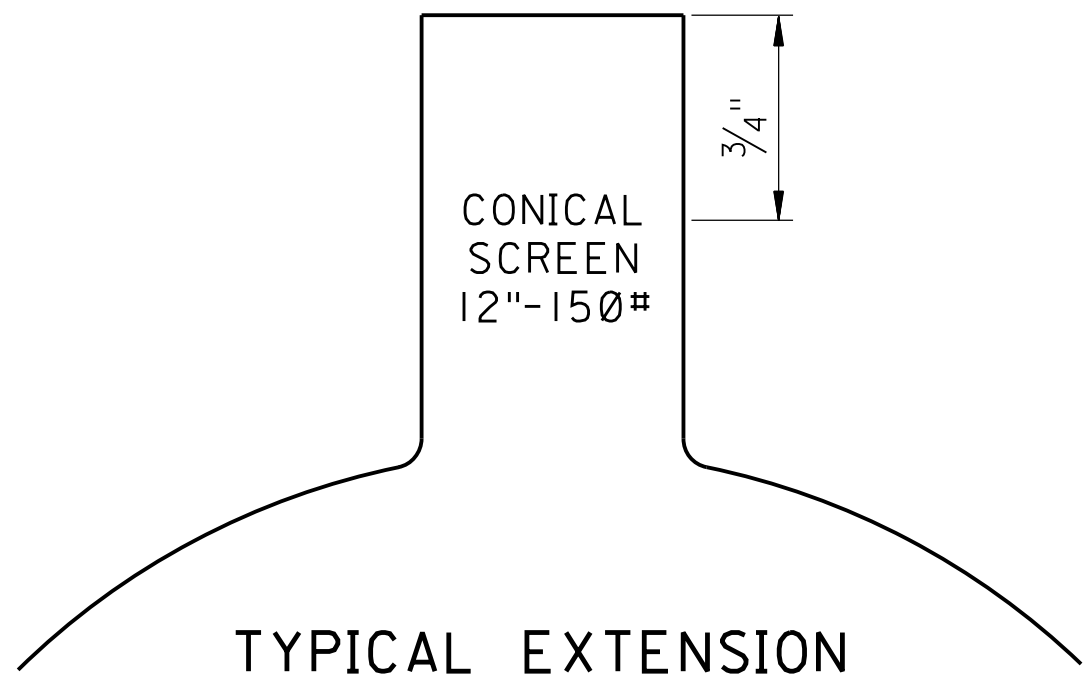


DETAIL-A
ENLARGED WALL SECTION

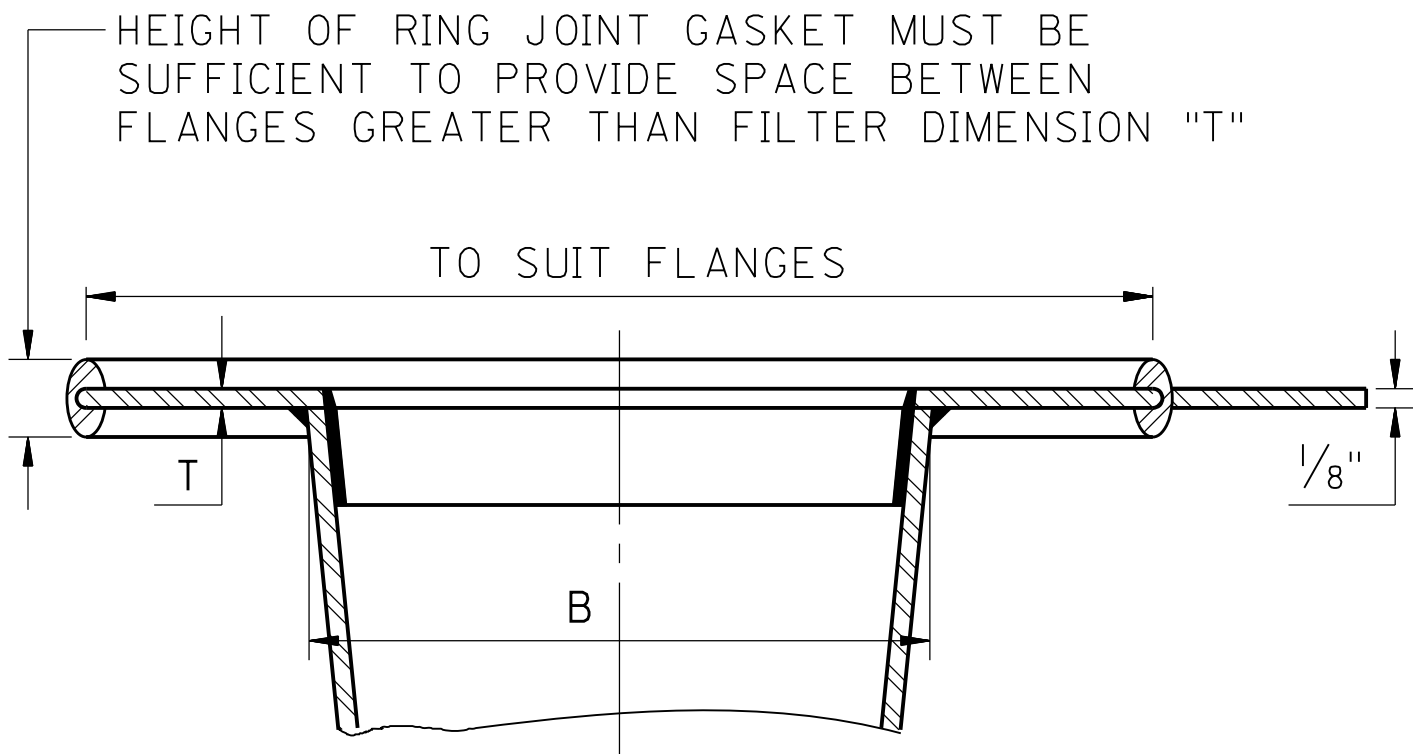


TYPICAL FILTER INSTALLATION

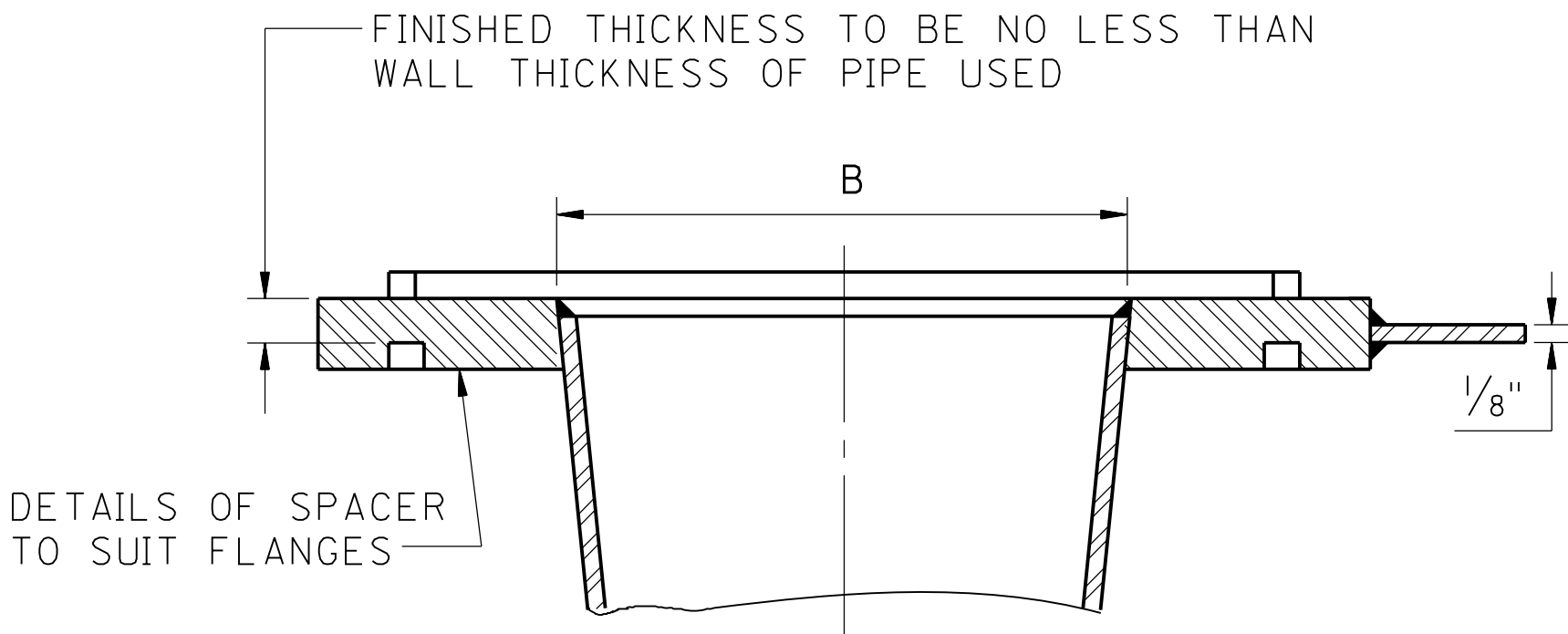
NECESSARY PROVISION MUST BE MADE
IN PIPING FOR REMOVAL OF FILTER
FOR INSPECTION AND CLEANING



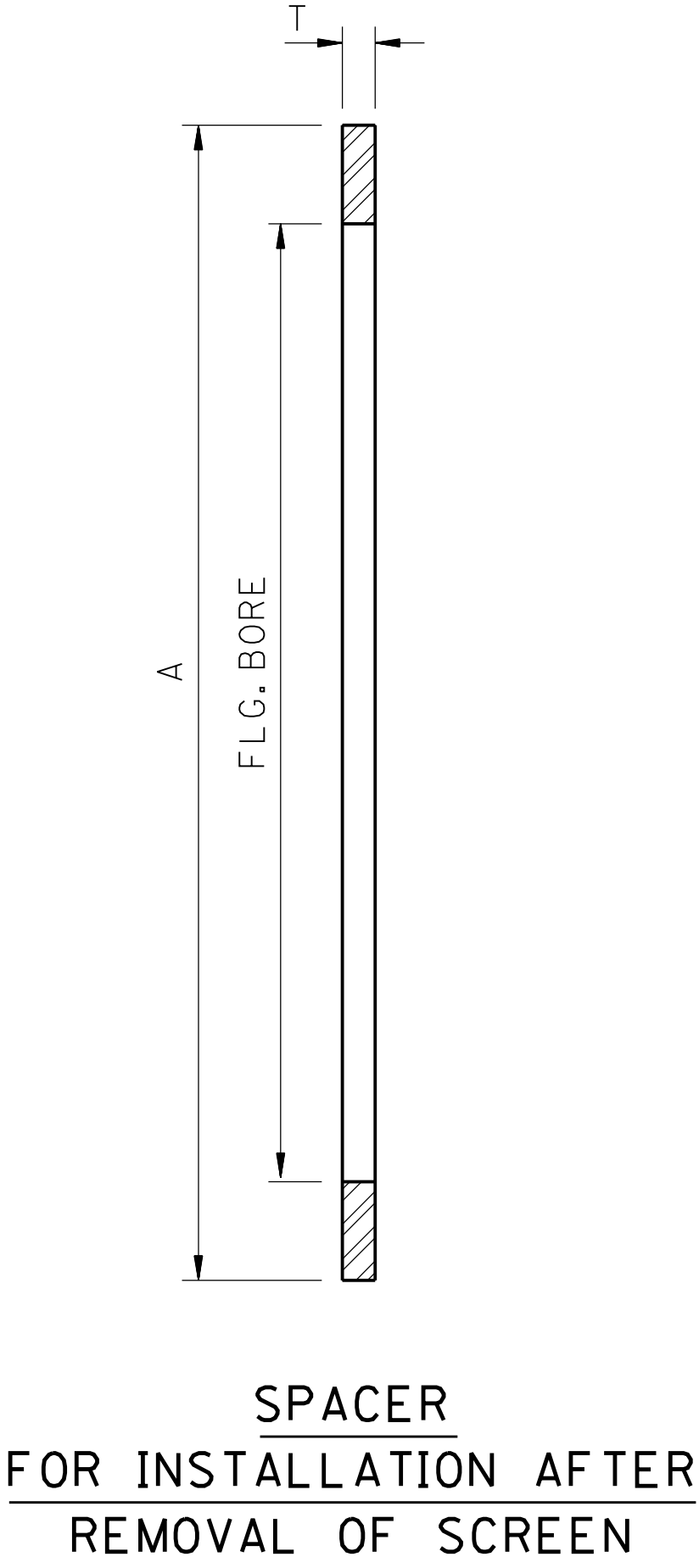
TYPICAL EXTENSION
FOR IDENTIFICATION



TYPICAL METHOD OF ADAPTING FILTER FOR USE
WITH RING TYPE JOINT FLANGE FACINGS



TYPICAL METHOD OF ADAPTING FILTER FOR USE
WITH TONGUE AND GROOVE FLANGE FACINGS



SPACER
FOR INSTALLATION AFTER
REMOVAL OF SCREEN

NOMINAL PIPE SIZE	A *	B *	C	D	H	L	N	T	W	14 GA STL STEEL	16 GA STL STEEL	14 GA CARB STEEL	16 GA CARB STEEL
24"	27 1/4"	19"	9 1/2"	1 3/4"	24"	47"	7"	5/16"	3/4"	70	55	55	45
20"	25"	16 3/4"	7 7/8"	1 3/4"	21"	39 1/4"	6"	5/16"	3/4"	95	65	65	50
18"	21"	14 1/8"	7 1/16"	1 3/4"	19"	35"	6"	5/16"	3/4"	95	70	70	60
16"	18 1/2"	12 1/2"	6 1/4"	1 3/4"	18"	31"	5"	1/4"	3/4"	105	80	80	65
14"	16 1/4"	10 7/8"	5 1/6"	1 3/4"	16"	26 1/2"	5"	1/4"	3/4"	120	90	90	76
12"	15"	9 7/8"	4 15/16"	1 5/8"	15"	24 1/4"	4"	1/4"	1/2"	130	100	100	80
10"	12 3/4"	8 1/4"	4 1/8"	1 5/8"	14 1/2"	20 1/4"	4"	1/4"	1/2"	160	120	120	100
8"	10 5/8"	6 5/8"	3 5/16"	1 5/8"	12 1/2"	16 1/4"	3"	1/4"	1/2"	200	150	150	120
6"	8 1/2"	4 3/4"	2 3/8"	1 5/8"	11 1/2"	13"	2"	3/16"	1/2"	260	190	190	160
4"	6 3/16"	3"	1 1/2"	1 5/8"	8 1/2"	9"	1"	1/8"	1/4"	325	245	245	230
3"	5"	2 1/8"	1 1/16"	1 3/8"	7 1/2"	7 1/2"	1"	1/8"	1/4"	400	325	325	300
2 1/2"	4 1/8"	1 5/8"	1 3/16"	1 1/4"	6 1/2"	6 1/4"	0	1/8"	1/4"	500	400	400	360
2"	3 5/8"	1 7/16"	1 3/16"	1"	6"	5"	0	1/8"	1/4"	600	500	500	425

A* - DESIGNED FOR USE WITH FLAT OR RAISED FACE FLANGES

B* - DESIGNED TO FIT INSIDE HEAVIEST WALL PIPE

MATERIALS - STANDARD FILTER-FRAME CARBON STEEL, SCREEN & HOOPS
316L BACKUP SCREEN-0.17" DIA. WIRE 30 MESH-410 MICRON OPENING
FILTER SCREEN .0075" DIA. WIRE 60 MESH 230 MICRON OPENING.

SPECIAL FILTER-ALL PARTS OF STAINLESS STEEL BACKUP
SCREEN-0.17" DIA. WIRE 30 MESH-410 MICRON OPENING
FILTER SCREEN-.0075" DIA. WIRE 60 MESH-230 MICRON OPENING.

NOTE - SPECIAL FILTERS RECOMMENDED FOR APPLICATIONS WHERE
FILTER ELEMENT MAY BE SUBJECTED TO ATMOSPHERES
CORROSIVE TO CARBON STEEL. ALL OTHER APPLICATIONS USE
STANDARD FILTERS.

NOTES:

1. FREE AREA OF PERFORATIONS TO BE NOT LESS THAN 150% OF CIRCULAR FLOW AREA.
2. FABRICATOR TO STAMP SIZE AND RATING AS SHOWN IN DETAIL.
3. TOLERANCES FOR "A" DIM. TO BE +0, -1/8".
4. PROVIDE 3/4" WELDING BOSSES ON PIPING TWO PIPE DIAMETERS UPSTREAM AND IMMEDIATELY DOWNSTREAM OF SCREEN'S FLANGE FOR DIFFERENTIAL PRESSURE TAPS.
5. FILTER SCREEN AND BACKUP SCREEN MUST COVER FULL SLANT HEIGHT OF CONE AND BE SECURELY WELDED OR BRAZED TO CONE. FILTER MAY BE SUBJECTED TO FLOW REVERSAL.
6. ONLY THE WALLS OF THE CONE ARE PERFORATED. BACKING RINGS AND FLANGE OF THE FILTER ARE NOT PERFORATED.

TYPICAL INSTIALLATION DRAWING

AS-BUILT				BY _____ DATE _____			
___	___	___	___	___	___	___	___
___	___	___	___	___	___	___	___
02	7/8/06	MSM	GENERAL REVISION	HMM	MAS	___	___
01	08-03-00	BLQ	NEW DWG. DIGITIZED INTO CADD DATABASE.	___	___	___	___
REV. NO.	DATE	BY	JO/EWO	DESCRIPTION	CHKD.	CERT.	APPD.
SAUDI ARABIAN OIL COMPANY							
DRAWN BY: B.E. LABOYA.		CHECKED BY: JWE-11200		SCALE: NONE			
DATE STARTED _____		DATE COMPLETED _____		09:30:00			
OPR'G. DEPT. _____		ENG. DEPT. _____		ORIGINAL SIGNED _____			
APP'D FOR CONSTR. _____				CERTIFIED _____ BY _____ DATE _____			
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED							
TEMPORARY SUCTION SCREEN GAS COMPRESSORS							
SID. DWG.				SAUDI ARABIA			
PLANT NO.	INDEX	DRAWING NUMBER		SHT. NO.	REV. NO.		
990	L	AB-036764		001	02		