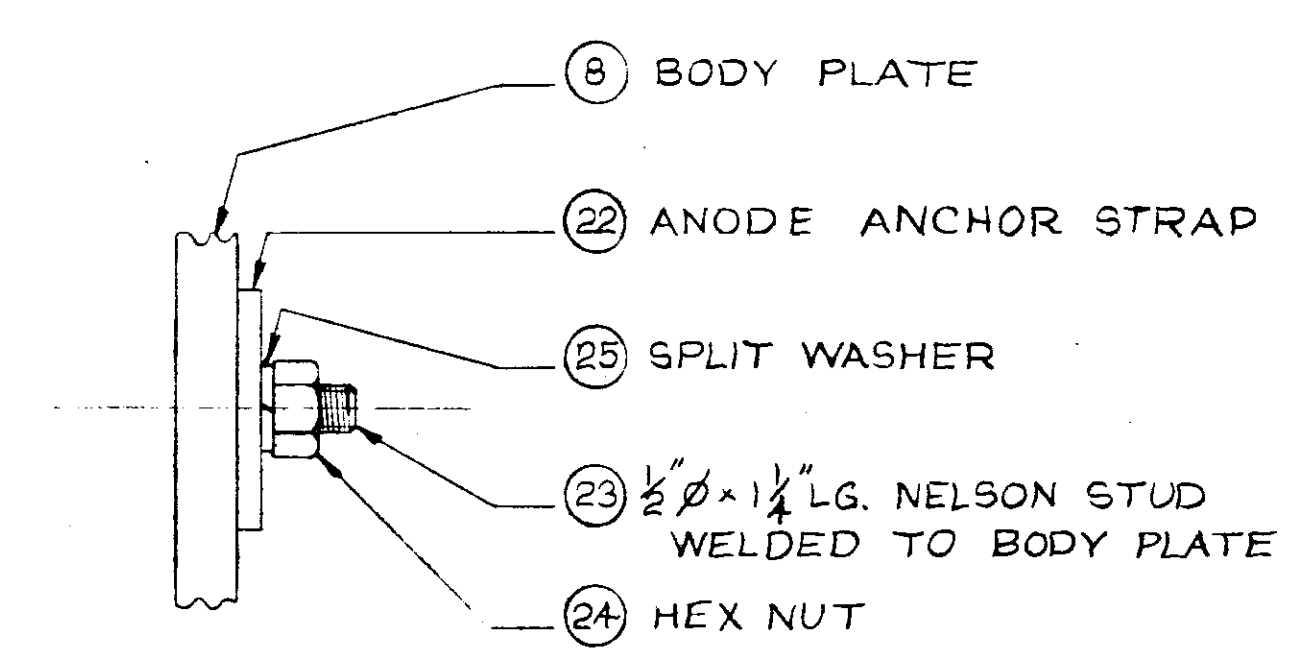
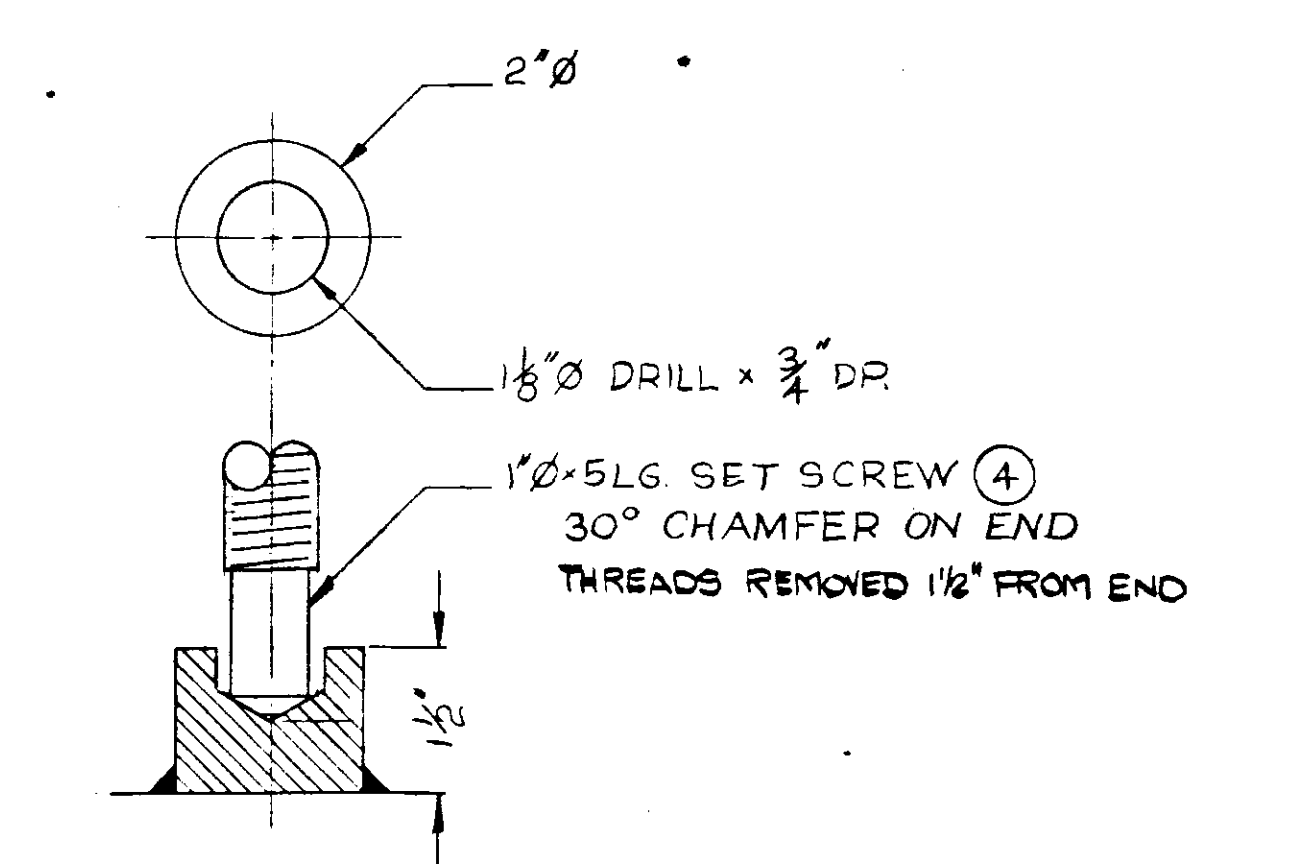


PLAN VIEW STRAINER



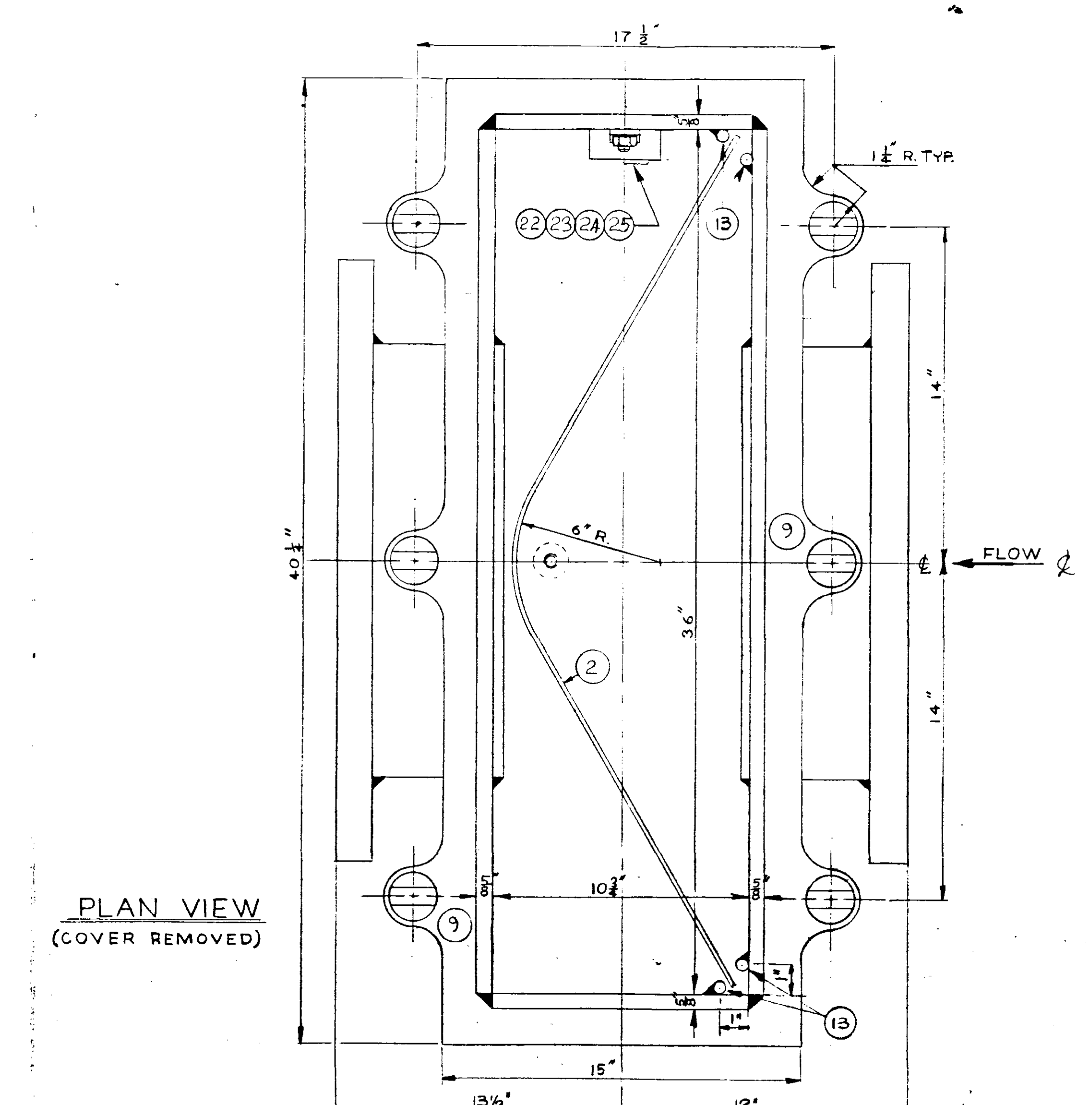
DETAIL OF ANODE MOUNTING (1/2 SIZE)



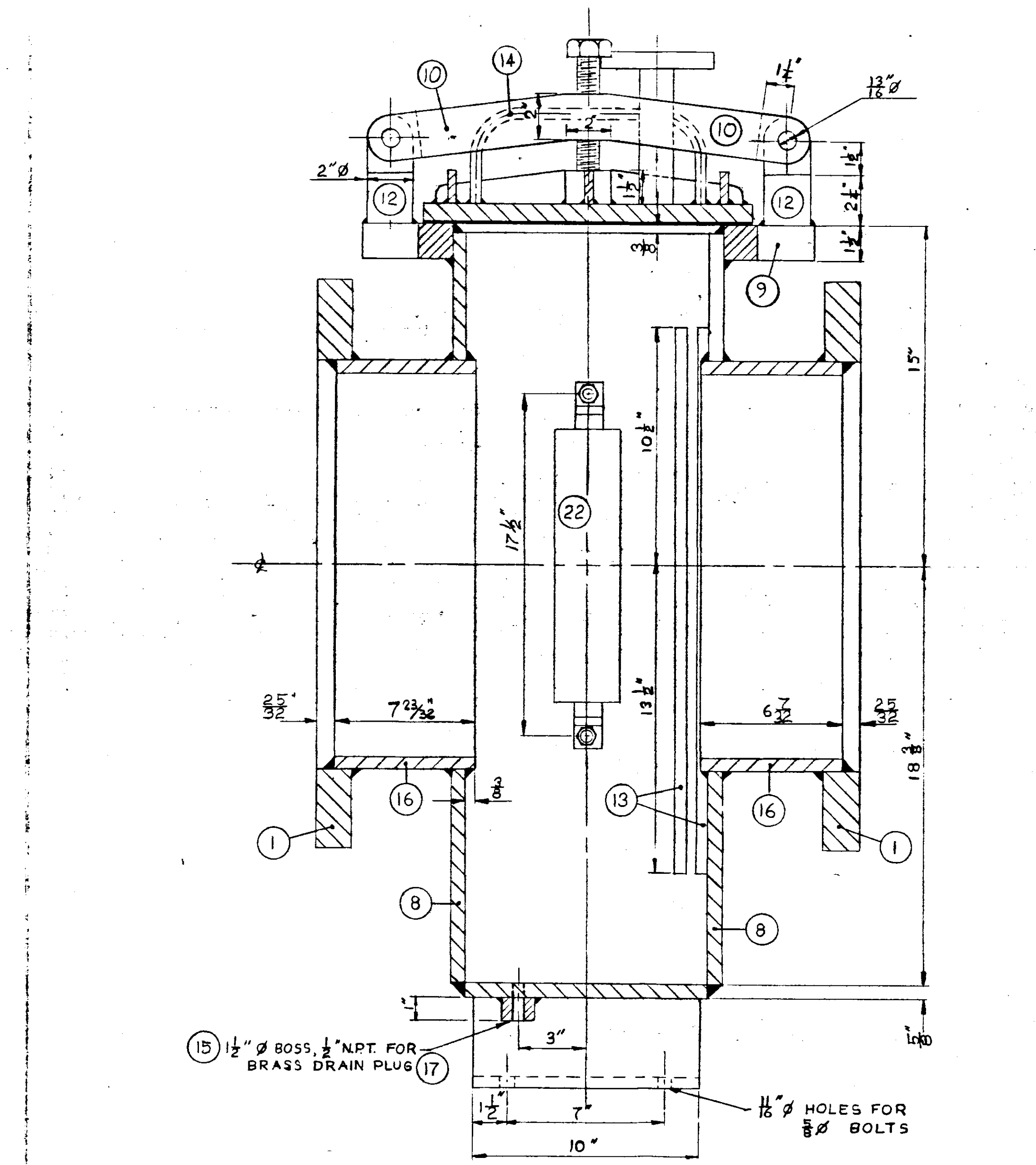
DETAIL OF PIN (5) (1/2 SIZE)



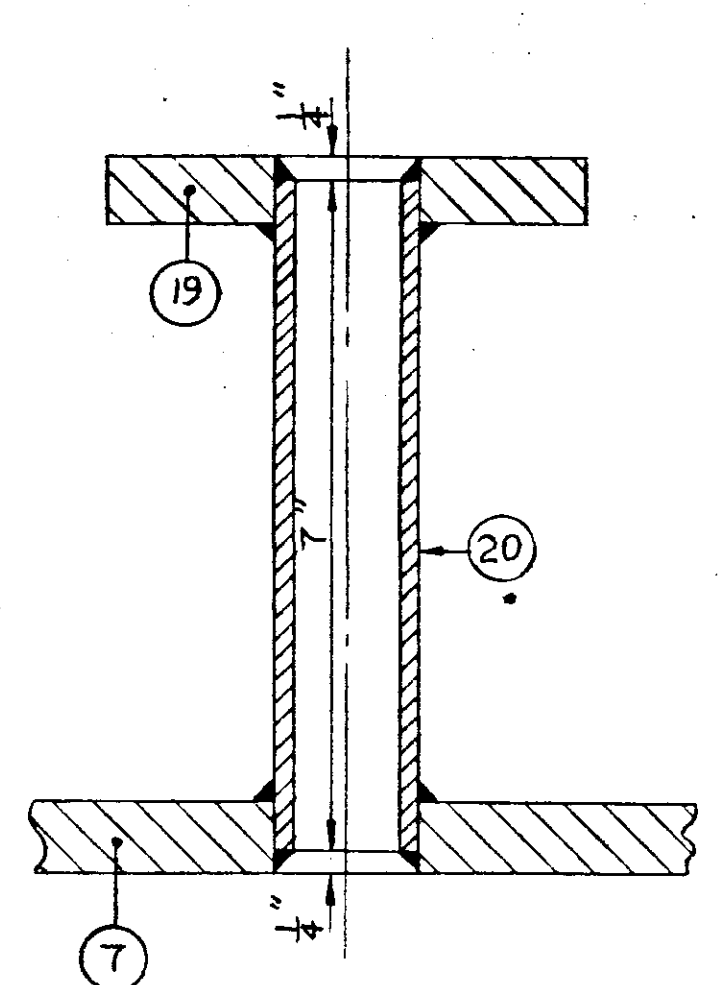
DETAIL OF BOSS (19) (1/2 SIZE)



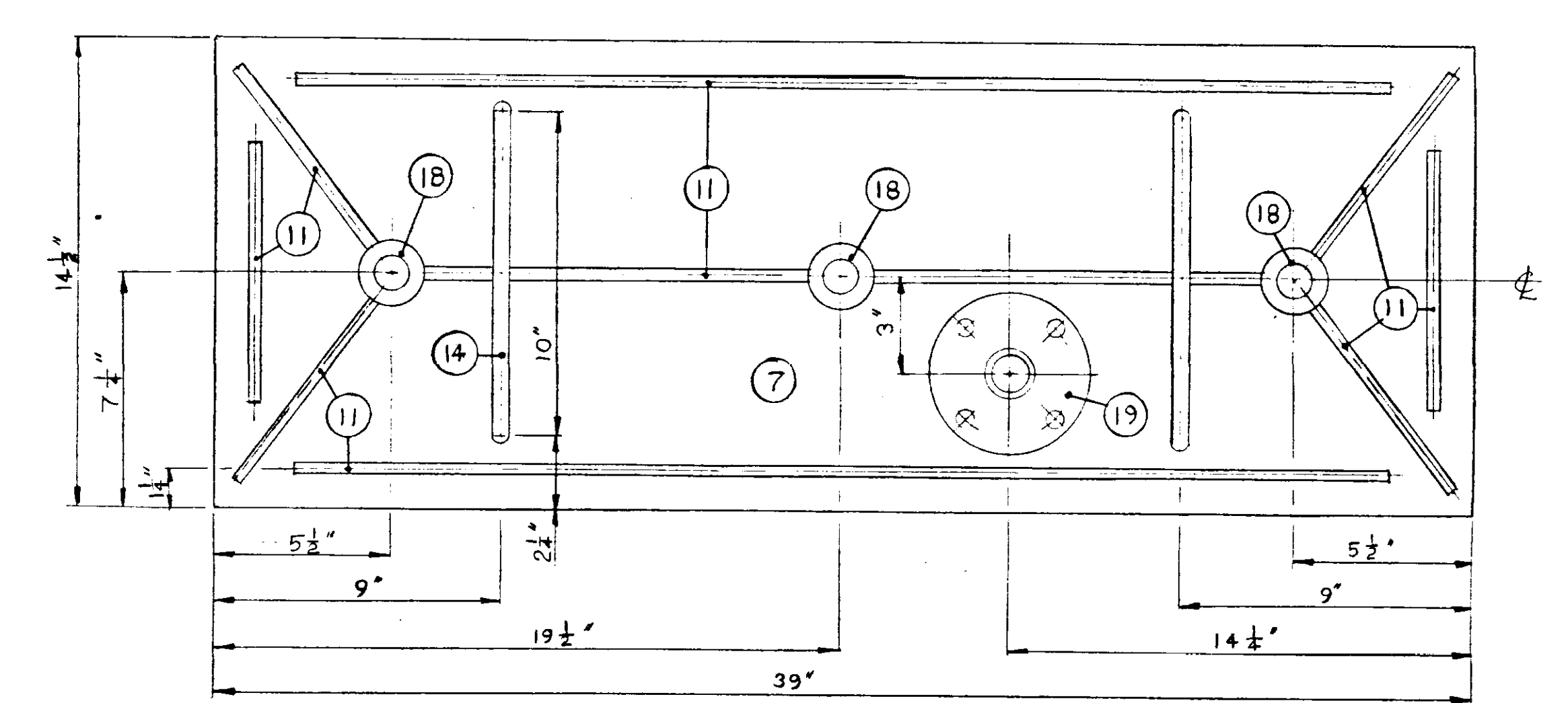
PLAN VIEW
(COVER REMOVED)



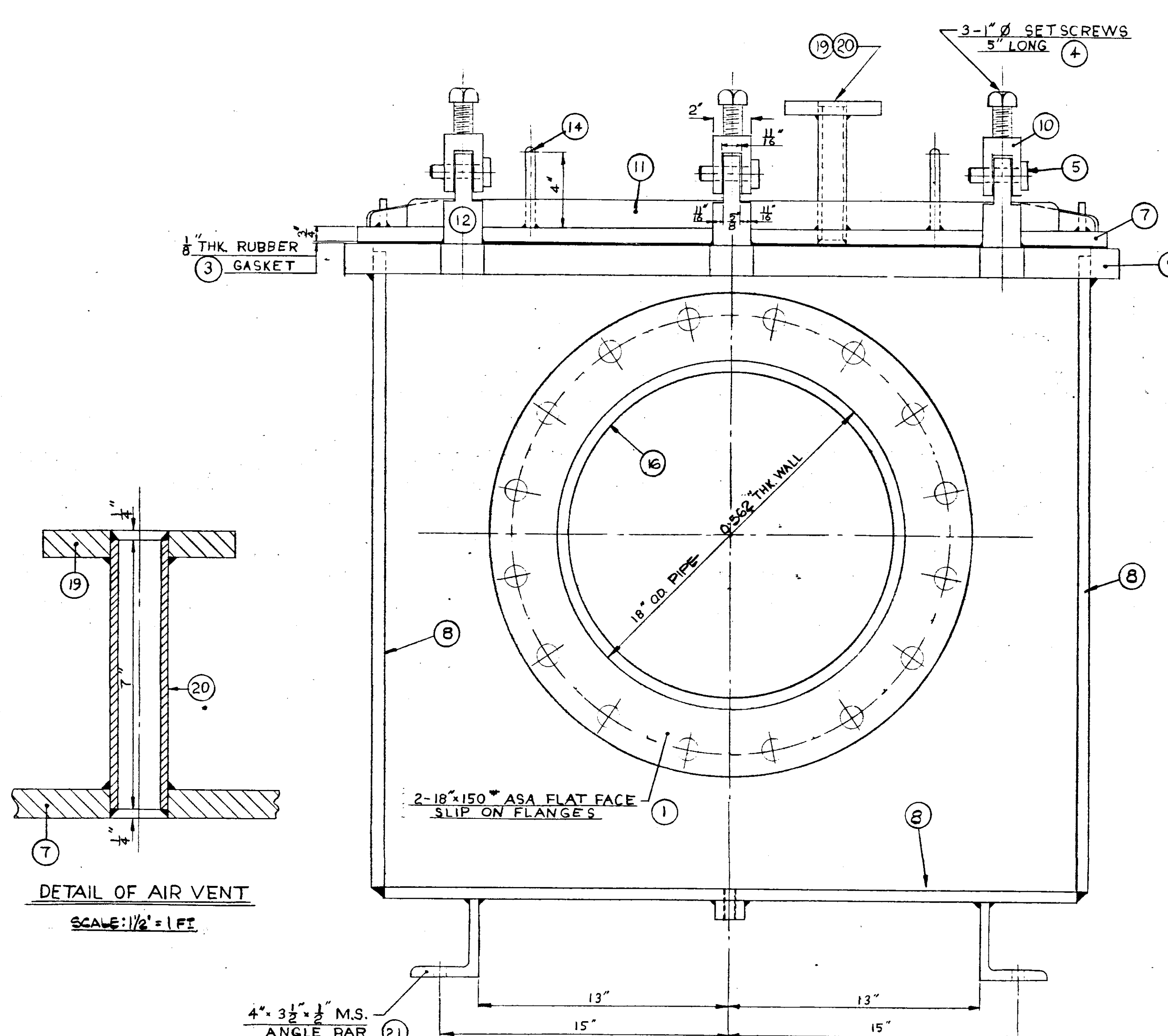
SECTION THRO' (1/2 SIZE)



DETAIL OF AIR VENT
SCALE: 1/2" = 1" F.T.



PLAN VIEW
(ON COVER)



END ELEVATION

ITEM NO.	DESCRIPTION	MATERIAL	P.O. NO.	SUPPLIER	REMARKS
1	1/2" NOM PIPE SIZE - 150" ASA FLAT FACE SLIP-ON FLANGE	FAB. STEEL	STOCK	R.W.D.D.	INLET & OUTLET CONG.
2	1 STRAINER PLATE - 4 1/2" x 33" x 1/2" THK. PERFORATIONS - 40% OPEN AREA	STAINLESS STEEL-TP 316L			
3	1 GASKET - 35" I.D. OUTSIDE 37 1/2" x 12" INSIDE 1/2" THK. RUBBER CLOTH INSERT	RUBBER CLOTH INSERT	STOCK	R.W.D.D.	
4	3 1" HEX HEAD SET SCREWS x 5" LONG	MILD STEEL	"	"	
5	6 3/8" x 3" LONG - PIN	"	"	"	
6	6 1/2" SPLIT PIN	"	"	"	
7	1 COVER - 1/2" THK. - 39" x 14 1/2"	"	"	"	
8	1 BODY - 1/2" THK. PLATE - AS REQ'D	"	"	"	
9	1 TOP FLANGE - 1/2" THK. PLATE - 40 1/2" x 20"	"	"	"	
10	3 STRONG BACK - 2" THK.	"	"	"	
11	1 COVER STIFFENERS - 1/2" x 3/8" THK.	"	"	"	
12	6 STRONG BACK HINGES - 2" Ø BAR	"	"	"	
13	4 STRAINER GUIDE - 1/2" Ø BAR x 24" LONG	"	"	"	
14	2 HANDLE - 1" Ø BAR	"	"	"	
15	1 BOSS - 1 1/2" Ø x 1" PROUD SCRD 1/2" NPT	"	"	"	
16	2 PIPE - 18" O.D. x 0.562" THK. SCH 40 x 7 1/2" LONG	ASTM-A36 GRA S.D. CARBON STEEL	"	"	INLET & OUTLET CONG.
17	1 PLUG - HEX HEAD - 1/2" NPT	BRASS	"	"	
18	3 BOSS - 2" Ø x 1 1/2" PROUD	MILD STEEL	"	"	
19	1 1/2" NOM PIPE SIZE - 150" ASA FLAT FACE SLIP-ON FLANGE	FAB. STEEL	"	"	FOR AIR VENT
20	1 PIPE - 12" O.D. x 0.200" THK. SCH 80 x 7" LONG	ASTM-A36 GRA S.D. CARBON STEEL	"	"	
21	2 FEET - 4" x 3 1/2" x 1/2" THK. ANGLE x 10" LG.	MILD STEEL	"	"	
22	1 ANODE - NOM WEIGHT - 26 LBS.	ZINC	FEDERATED METALS CANADA LTD.	ASARCO TYPE UL-26	
23	2 NELSON STUD 1/2" Ø x 1 1/2" LG.	ELC. S.S.	STOCK	R.W.D.D.	
24	2 HEX NUT FOR ABOVE	"	"	"	
25	2 SPLIT WASHER FOR ABOVE	"	"	"	
26	1 STIFFENERS 1" x 1/2"	MILD STEEL	"	"	

QUANTITIES GIVEN FOR ONE ASSEMBLY
TWO ASSEMBLIES REQUIRED PER SHIP

BODY / COVER TO BE HEAVY GALVANIZED AFTER FABRICATION

STRAINER PLATE AREA - 4 1/2" x 33" = 136.125 SQ. INS.
STRAINER MEDIUM 1/2" PERFORATIONS - OPEN AREA = 40%
OPEN AREA THROUGH STRAINER = 136.125 x 40% = 54.45 SQ. INS.
AREA THROUGH 18" O.D. PIPE (16.875 I.D.) = 223.68 SQ. INS.
RATIO OF AREA = 54.45 / 223.68 = 2.43:1

HYDRO. TEST PRESSURE - 30 P.S.I.

ALTERATIONS										REFERENCES	
REV.	ZONE	DESCRIPTION	DATE	APP.	OWNER	DATE	APP.	No.	TITLE	DRG. No.	
A		OWNER EXAMINED - NO. COMMENT	10/2/80	G							

RESERVATIONS									
GROUP	REVISIONS	DATE	BY	APP.	OWNER	DATE	APP.	No.	TITLE
OWNER	1	10/2/80	G						
OWNER	2	10/2/80	G						
OWNER	3	10/2/80	G						
OWNER	4	10/2/80	G						
OWNER	5	10/2/80	G						
OWNER	6	10/2/80	G						
OWNER	7	10/2/80	G						
OWNER	8	10/2/80	G						
OWNER	9	10/2/80	G						
OWNER	10	10/2/80	G						
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OWNER	13	10/2/80	G						
OWNER	14	10/2/80	G						
OWNER	15	10/2/80	G						
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OWNER	98	10/2/80	G						
OWNER	99	10/2/80	G						
OWNER	100	10/2/80	G						

APPROVALS			
OWNER	DESIGNER	APP.	C.S.L.
3-4-81			

HULL NO. 68	
DATE: 24-9-80	DATE: 24-9-80
APPROVED BY: [Signature]	APPROVED BY: [Signature]
PORT WELLER DRY DOCKS A DIVISION OF UPPER LAKES SHIPPING LTD. ST. CATHARINES ONTARIO L2R 7C1	

DRG No. 68-2030-4