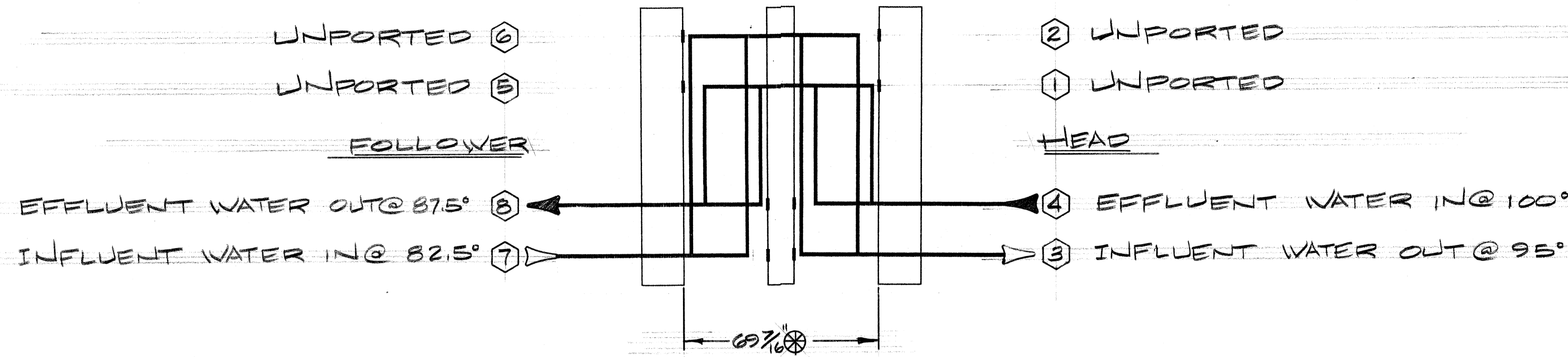


SR9 MATERIALS OF CONSTRUCTION

ITEM	DESCRIPTION	MATERIAL
1	HEAD:	SA516 GR70
2	FOLLOWER:	SA516 GR70
3	*END SUPPORT:	A36
4	*TOP BAR:	C1018
5	*BOTTOM BAR:	C1018
6	2" DIA. TIE BARS:	SA193 GRB7 OR B16
7	TIE BAR HEX NUTS:	SA194 GR2 OR 2H
8	TIE BAR ROUND NUTS:	SA193 GRB7 OR B16
9	HEAT TRANSFER PLATE:	SA240 GR316
STAINLESS STEEL NOZZLES:		
10	BUSHING RING:	SA240 GR316L
11	PIPE BODY:	SA312 GR TP316L
12	STUB RING:	SA240 GR316L
13	FLANGE:	SA105
14	*INTERPASS PLATE SPACER:	LOW CARBON STL.
15	INTMD. SPACER BOSS:	SA240 GR316L

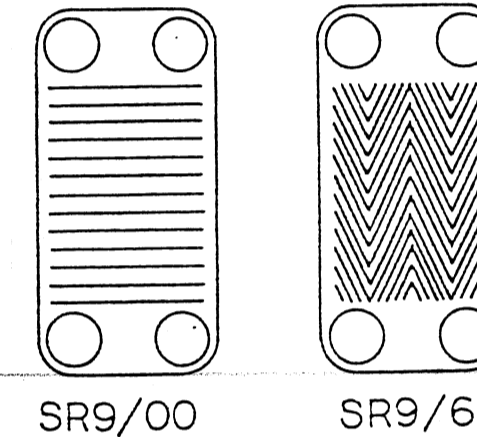
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PLATES MUST BE ARRANGED ALTERNATELY LEFT AND RIGHT. FOR CONVENIENCE ON THIS DRAWING, WHERE BLOCKS OF R AND LAA PLATES OCCUR, THE TOTAL NUMBER OF EACH IS GIVEN.



PASSES  
E. WATER - 2 OF 73  
I. WATER - 2 OF 73

PLATES SHOWN BELOW ILLUSTRATE SR9 PLATE STYLES

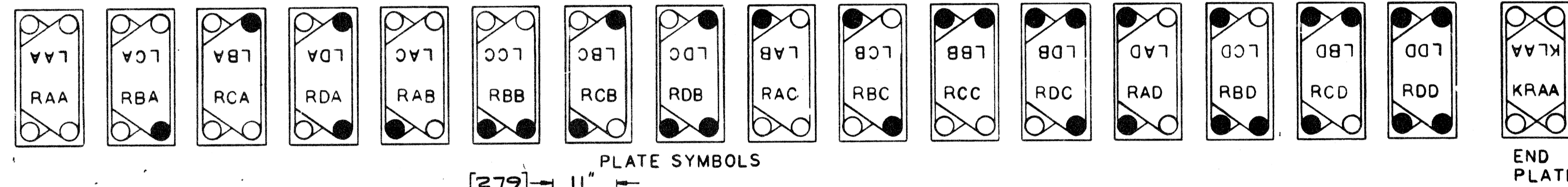


NOTE: (CON'T)

9. THIS UNIT IS EQUIPPED WITH CARBON STEEL TIE BARS. CLEAN AND LUBRICATE THREADS BEFORE OPENING OR CLOSING. YOU MUST USE A LUBRICANT COMPATIBLE WITH CARBON STEEL.

NEVER-SEEZ  
REGULAR GRADE  
DO NOT USE COMMON GREASE.

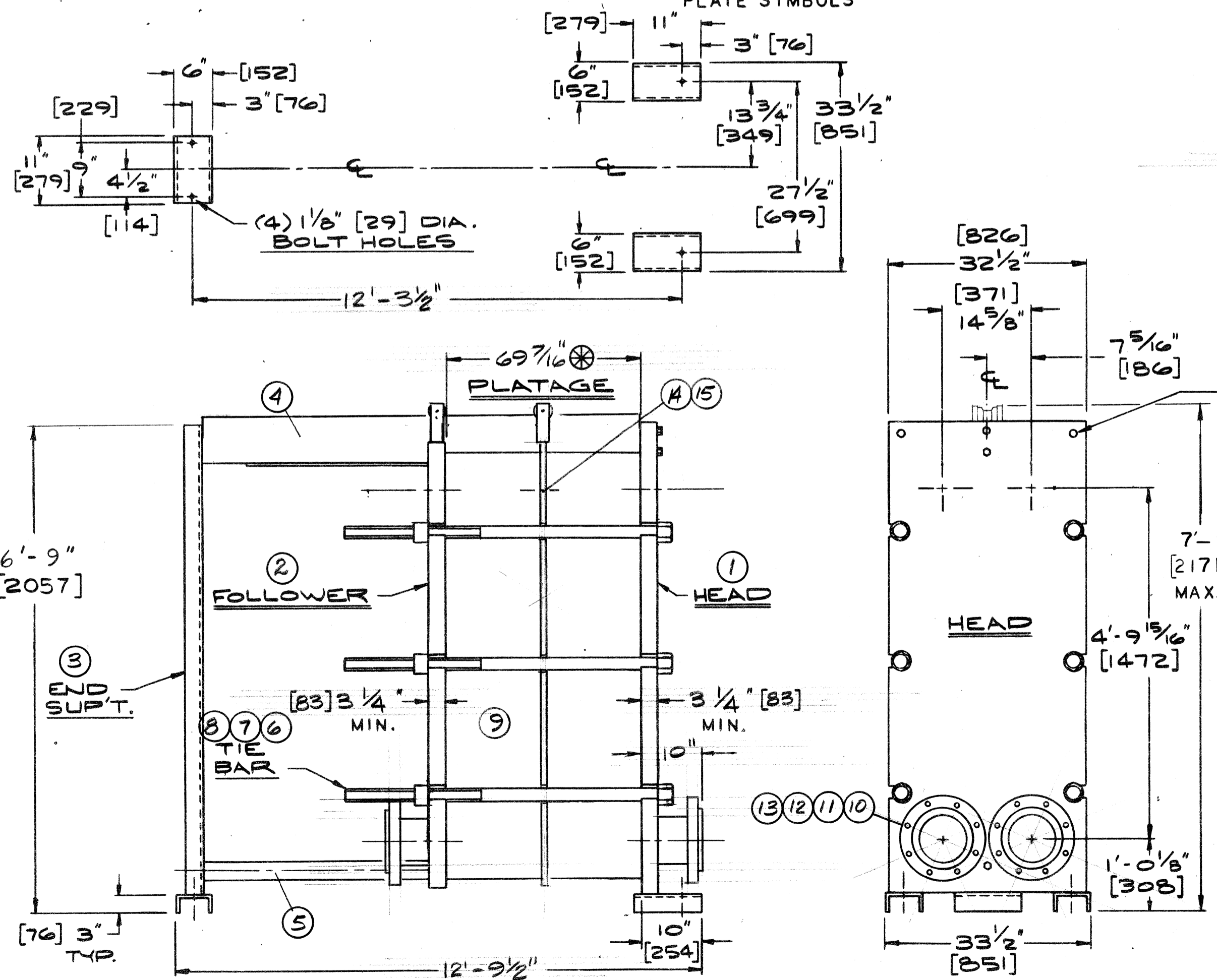
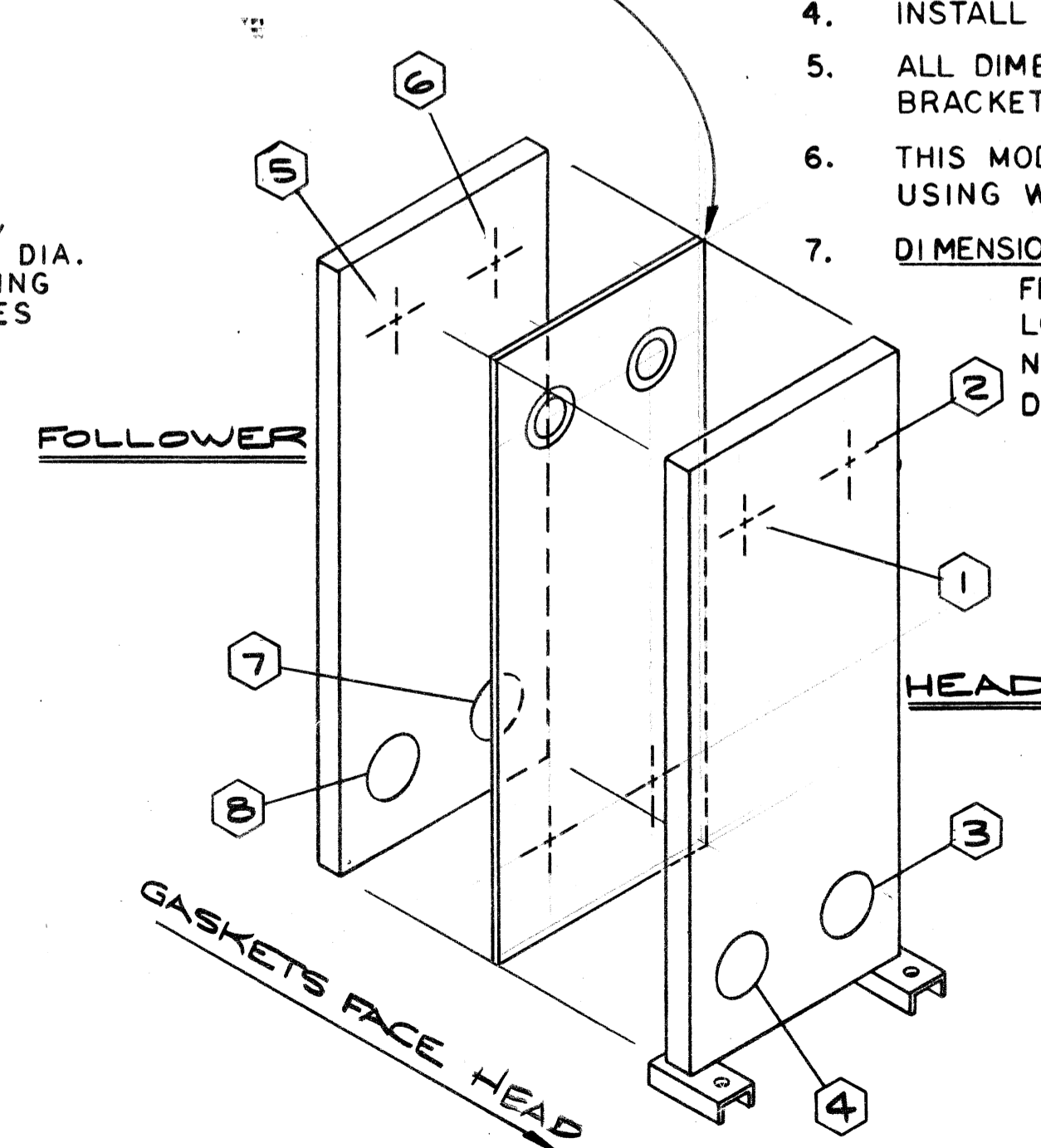
ELEVATION OF PLATE ARRANGEMENT



NOTES:

- ALL PLATES VIEWED FROM GASKET SIDE.
- END PLATES DENOTED BY LETTER "K" PRECEDING SYMBOL.
- THIS MODEL HEAT EXCHANGER IS DESIGNED TO OPERATE WITH METAL TO METAL CONTACT BETWEEN PLATE SURFACES. ALL SUPPORT IS FROM PLATE CROSS OVER POINTS AND NOT FROM GASKET SEAL. THEREFORE THIS MACHINE MUST ALWAYS BE TIGHTENED TO A DEAD HARD CONDITION BEFORE OPERATION. THE PLATAGE DIM. SHOWN IS NOMINAL ONLY. DUE TO PLATE MFG. TOLERANCES PLATAGE CAN VARY  $\pm 0.005"$  PER PLATE.
- INSTALL PLATES ALTERNATING LEFT & RIGHT HAND.
- ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.
- THIS MODEL HEAT EXCHANGER IS TIGHTENED USING WRENCH ON HEX. NUTS AT HEAD END ONLY.
- DIMENSIONAL TOLERANCES:  
FRAME FOUNDATION AND BOLT HOLE LOCATIONS:  $\pm 1/4"$  [6]  
NOZZLE CENTER LINE AND FACE DIMENSIONS:  $\pm 1/8"$  [3]
- CUSTOMER'S PIPING TO FOLLOWER NOZZLES MUST ALLOW FOR FREE MOVEMENT WHEN UNIT IS OPENED FOR SERVICE AND PROVIDED FOR VARIATION OF THE TIGHTENED PLATAGE DIM. OF  $\pm 1/2"$  PER 100 PLATES.

ITEM #14 & 15 C.STL. INTERPASS PLATE SPACER W/316L SS. INTERMEDIATE SPACER BOSS



D	LIQUID	RATE	TEMP. °F.	ΔP (PSI)
	EFFLUENT WATER	1400 GPM	100° → 87.5°	7.4
	INFLUENT WATER	1400 GPM	82.5° → 95°	7.45

LIST OF PLATES: 294 SR9-316L SS. W/PARACRIL-CLIP GASKETS	
TOTAL "L" PLATES: 146	TOTAL "R" PLATES: 148
146 LAA/00	144 RAA/65 1 RBB/65 1 RCC/65 1 KRBB/65 1 KRCC/65

FRAME SIZE: #6  
MAX. TEST PRESS. (FRAME): 225 PSI.  
MAX. OPERATING PRESSURE: 150 PSI.  
\* PLATAGE: 69 7/16 INCHES  
VOL. OF PRODUCT: 184 GALS.  
WT. OF MACHINE DRY: 10360 LBS.  
WT. OF MACHINE FLOODED: 13420 LBS.  
FITTINGS: 8" SCH. 10, 316L SS. STUB END/150# ANSI C.S. LAP JOINT FLANGE  
M.D.M.T.: 20 °F @ 150 PSI  
MAX. OPERATING TEMP: 275 °F.

BUILT TO ASME CODE, SEC. VIII, DIV. 1  
1989 EDITION, 1991 ADDENDA  
**MODEL SR950**  
HEAT EXCHANGER  
MOD 1 SERIES  
W.O. 26337-1  
BRANCH # 39  
P.O. # 37369 JOB # 5745  
EQUIP # 380-HEX-1A

DATE	REVISION
E	
D	
C	
B	
A	

APV Crepaco Inc  
395 Fillmore Ave.  
Tonawanda, NY 14150

TROPICANA INC.  
BRADENTON, FLORIDA

DR. BY	W.O.	DATE	DRAWING NO.	REV.
E.C. PLANTER	26337-1	20092	4,26337,0001	