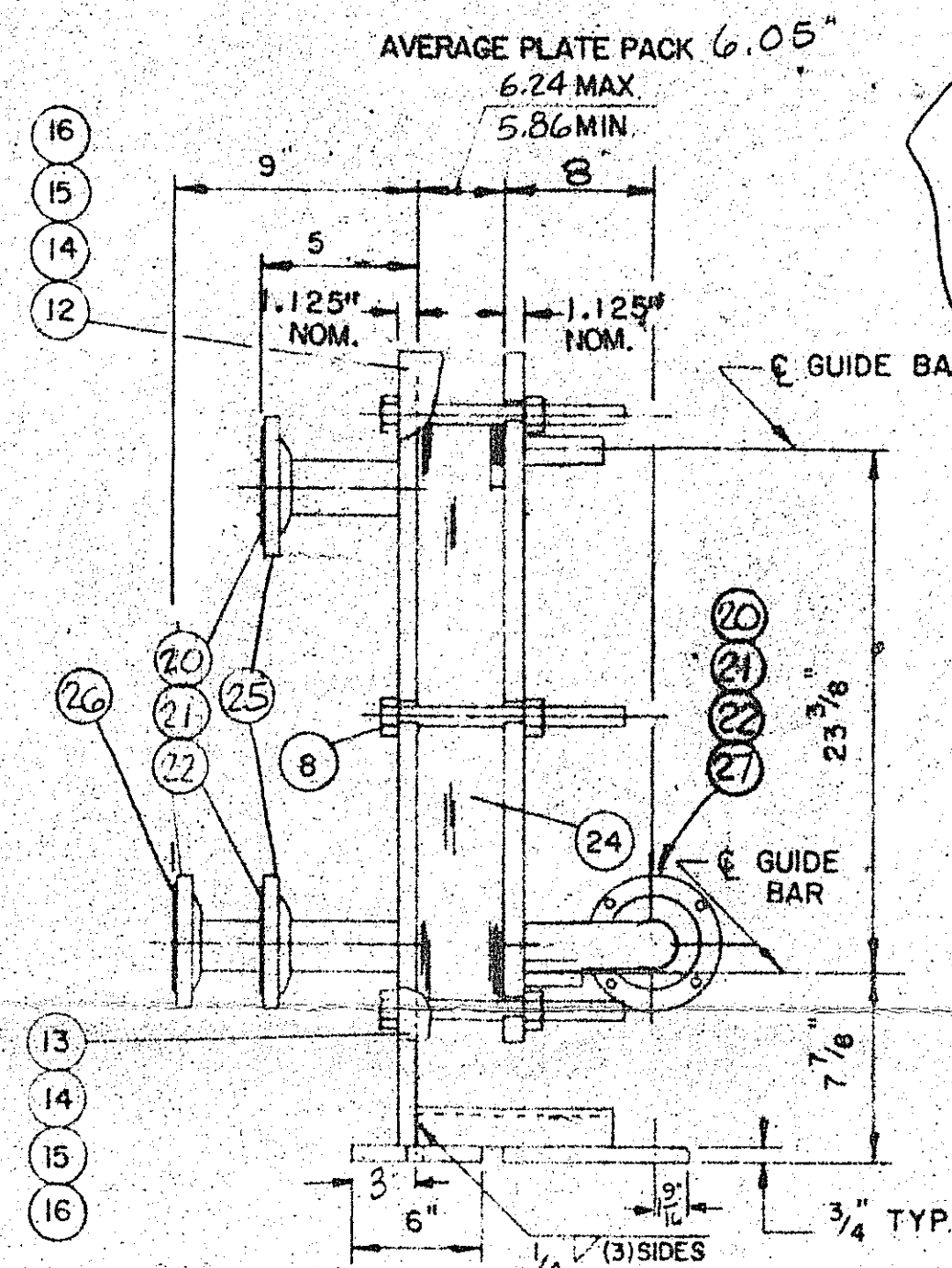
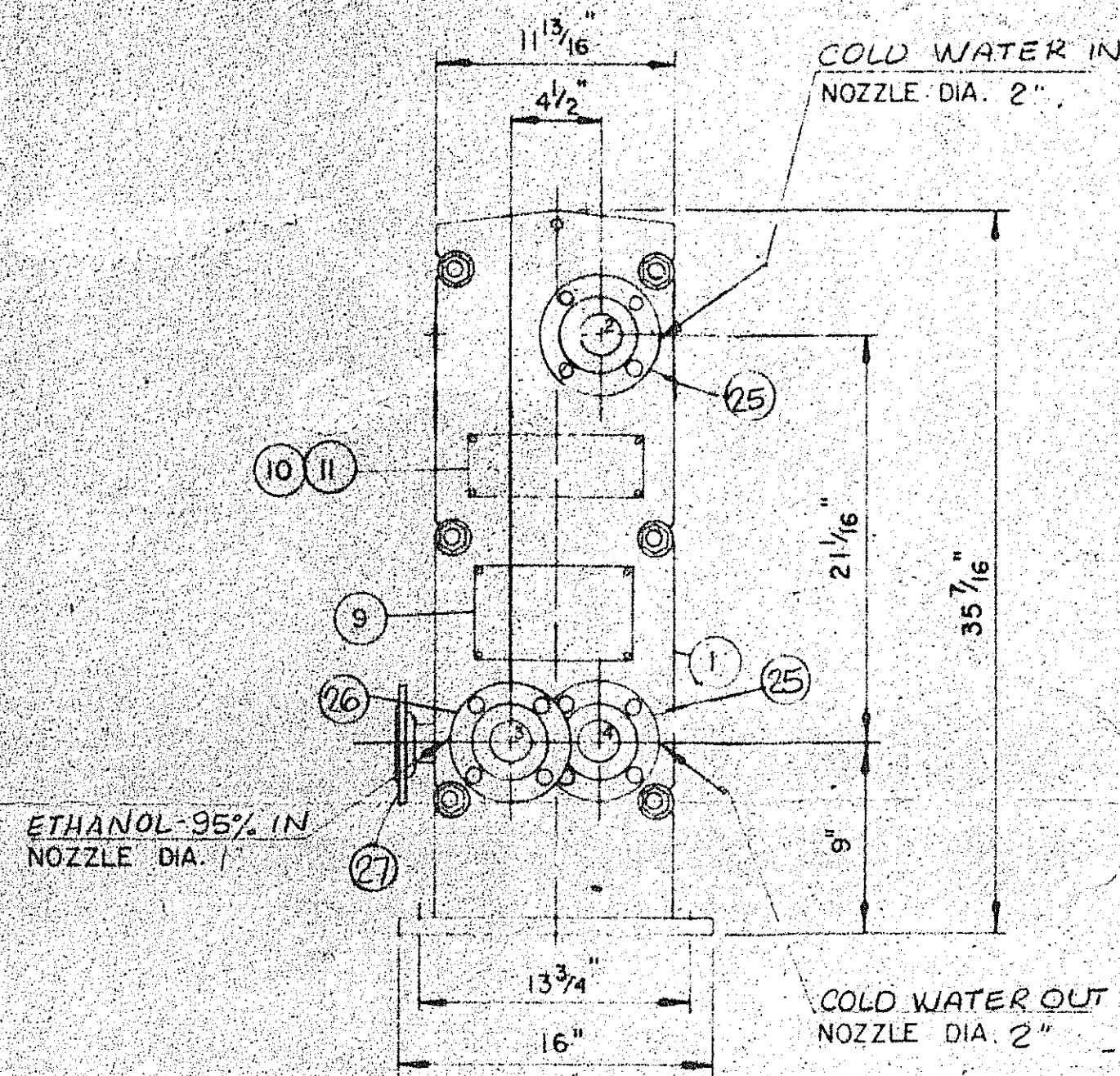
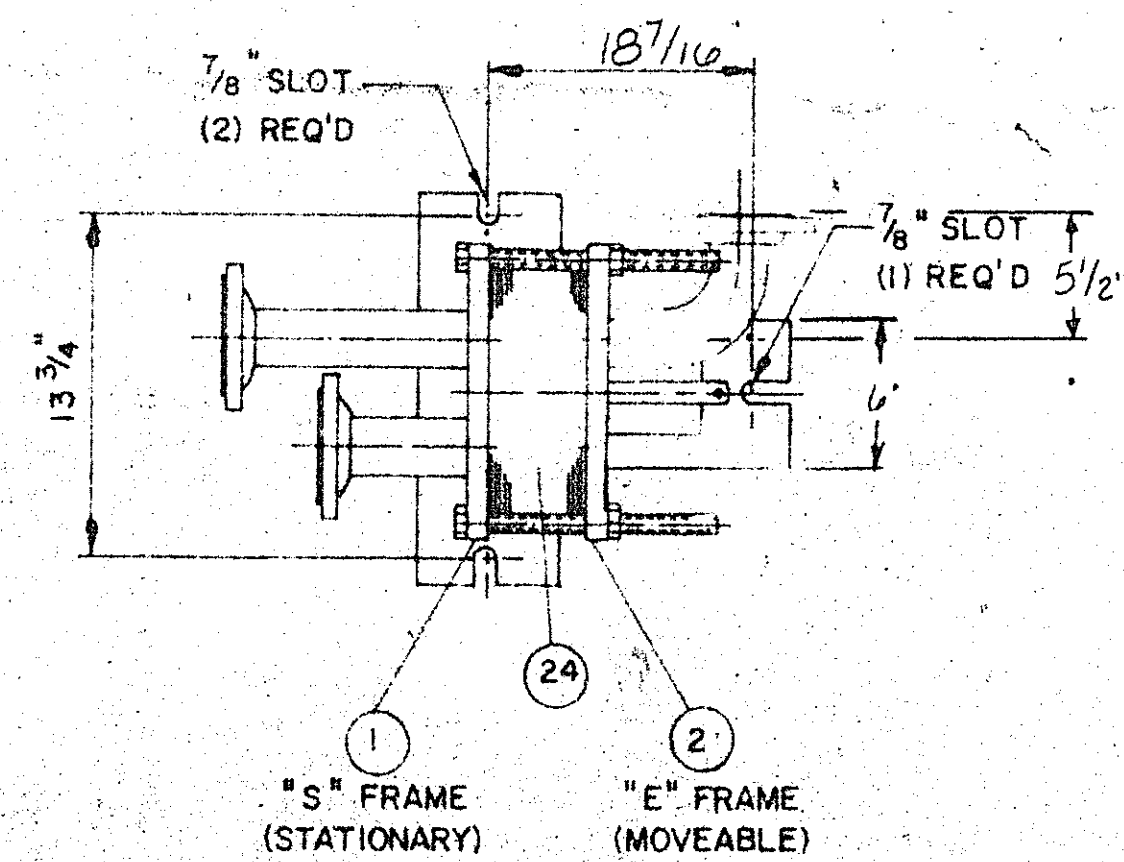
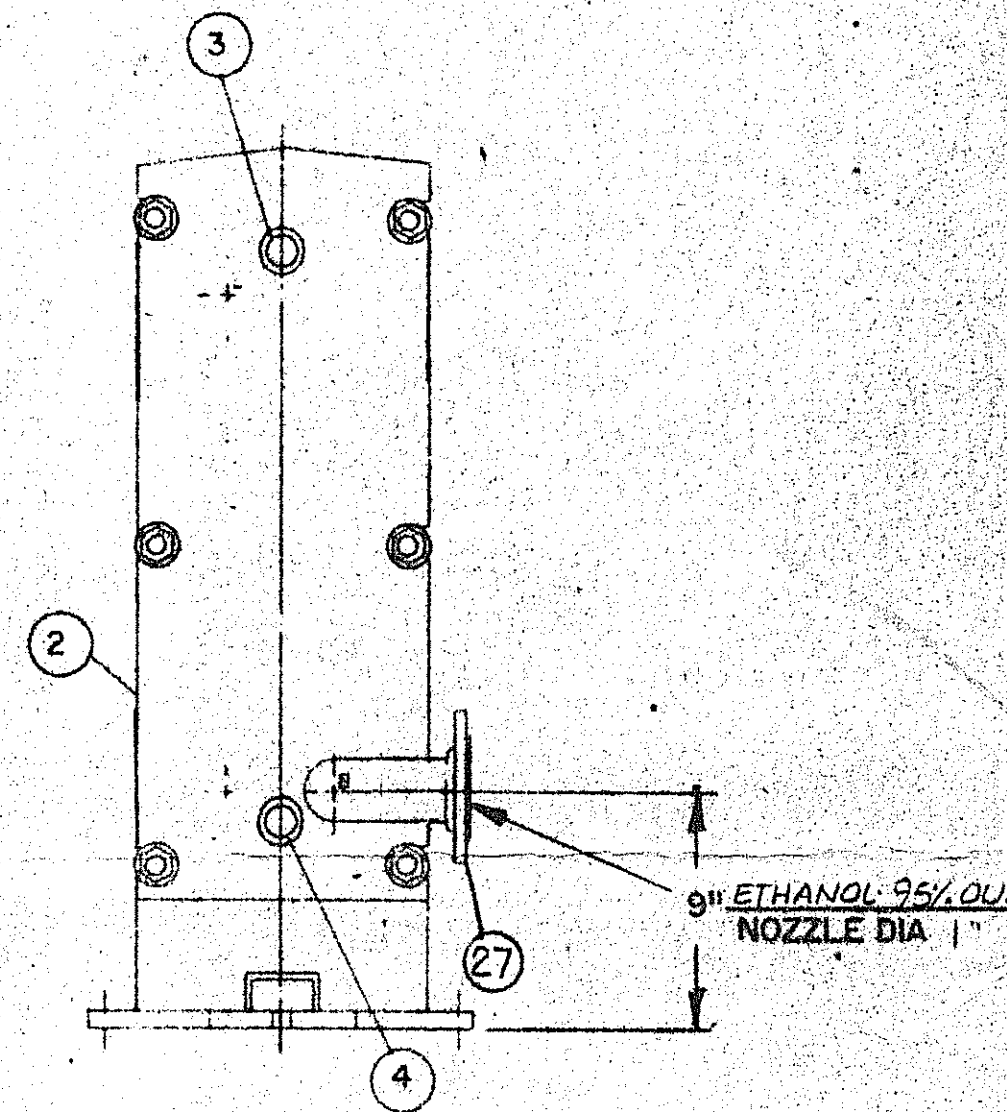


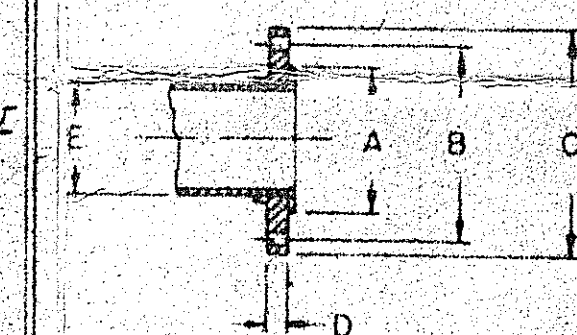


Indicate
Clearance Req'd
for Plate Pack
Removal.



PARTS LIST

ITEM NO.	DESCRIPTION	DRAWING NO.	NO. REQ'D PER ASSY
1	STATIONARY FRAME ASSEMBLY SA-515-70	D-202053-2	1
2	MOVEABLE FRAME ASSEMBLY SA-515-70	D-202083-5	1
3	UPPER GUIDE BAR (WORKING LENGTH 9 3/4)	B-202061-2	1
4	LOWER GUIDE BAR (WORKING LENGTH 16 1/4)	B-202062-2	1
5	GUIDE BAR BOLT	A-202064	2
6	STOP BOLT	A-202071	1
7	GUIDE BAR WASHER	A-202066	2
8	BOLT ASS'Y (WORKING LENGTH 18 1/2) CARBON STEEL 1/2" DIA. SA-193-B7	B-202065-2	6
9	DATA NAMEPLATE	A-201797	1
10	NAMEPLATE	B-201854	1
11	DRIVE PIN	A-200829	4
12	SHROUD TOP	C-202072	1
13	SHROUD SIDE WIDTH = 8 3/16"	C-202073	2
14	SHROUD STUD	A-200830	8
15	SHROUD NUT	A-200831	8
16	SHROUD WASHER	A-200832	8
17	SKID	B-202074	1
18	LAG SCREW	A-200896	5
19	WASHER	A-38708-2	3
20	FLANGE PROTECTOR	A-200891	4
21	FLANGE PROTECTOR PIN	A-200892	16
22	FLANGE PROTECTOR WASHER	A-200893	16
23	SHIPPING BAG	A-200895-3	1
24	PLATE (SEE PLATE SPECIFICATION TABLE)		16
25	NOZZLE 2" STR. (STATIONARY FRAME) SA-312TP-316L	D-202168-73	2
26	NOZZLE 1" STR. (STATIONARY FRAME) SA-312TP-316L	D-202168-72	1
27	NOZZLE 1" ELL ("E" FRAME) SA-312TP-316L	D-202175-93	1



NOTE

1. FLEXIBILITY IN PIPING SYSTEM IS RECOMMENDED TO PROVIDE FOR THERMAL EXPANSION
2. FABRICATE PER ASME SPECS

4 COPIES OF THE FOLLOWING ARE REQ'D:
U-1A FORM
"AS BUILT" DWG
MILL TEST REPORTS
NAMEPLATE RUBBING
(6) BOUND COPIES

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TEXAS DIVISION - TRANTER, INC.
WICHITA FALLS, TEXAS 76307
PROJECT No. 2170
LOCATION BLDG. 214 BELVIDERE, N.J.
EQUIPMENT NAME COL. No. 12 CONDENSATE
POSITION No. 214-E523
EQUIPMENT CODE No. CSB-23000 COOLER

TAG ITEM #CSB-E523

54493
CSB-23000

NOZZLE DIMENSIONS

SIZE	1"	2"
A	2"	3 5/8"
B	3 1/8"	4 3/4"
C	4 1/4"	6"
D	9 1/16"	3 1/4"
E	15 1/16"	2 3/8"

SPECIFICATIONS

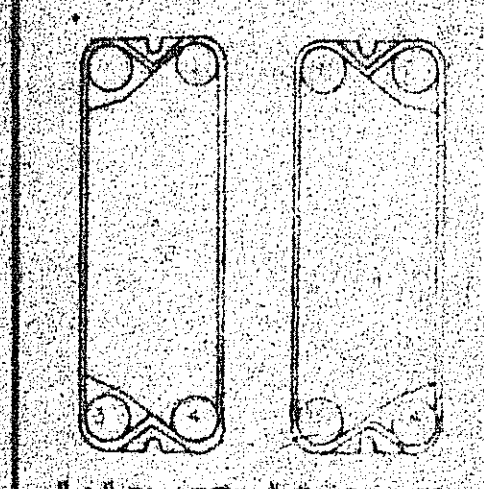
DESIGN PRESSURE	100 PSIG
TEST PRESSURE	150 PSIG
DESIGN TEMP	260°F
NO. OF PLATES	48
SURFACE AREA	43.1 SQ. FT.
WEIGHT: FULL	725 LBS.
NOZZLES	150 LB. ASA, LAP JOINT FLG.
PAINT	BIG SKY BLUE

U STAMP DATA

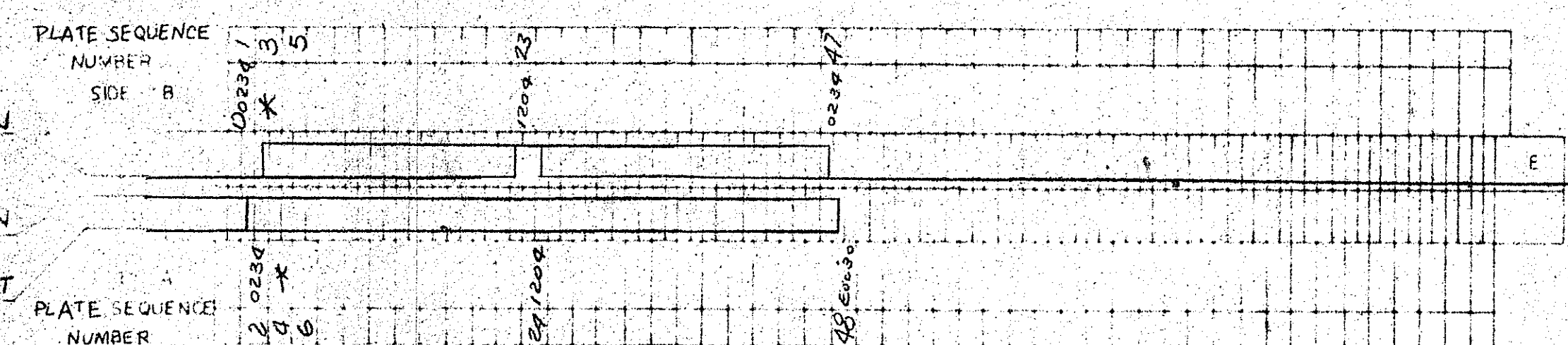
MAX. PS.I.G.	100	AT	260 °F
DESIGN PRESS. AT			
ROOM TEMP.	100	PS.I.G.	
MEDIUM WATER/ETHANOL 95%			
FORM DIA. NO. REQ'D	3		
FOR HOFFMAN-LAROCHE, INC.			
CITY, BELVIDERE, STATE, N.J.			

TEXAS DIVISION - TRANTER, INC.

PROPERTY OF TEXAS DIVISION - TRANTER, INC. AND NOT TO BE REPRODUCED WITHOUT THEIR CONSENT	
CUSTOMER REFERENCE DATA	
PD NO. E745662 B	MFG NO. 4265
SN	
TITLE	
SUPERCHARGER, MODEL UX-016-UJ-48	
DRAWN BY JM	CHECKED BY
DATE 4-27-82	DATE 4-27-82
ISSUED FOR APPROVAL	BY DATE
REVISION	BY DATE



SIDE	*A*	SIDE	*B*
HOLE PUNCH NO.	NO. REQ'D	HOLE PUNCH NO.	NO. REQ'D
1234	21	1234	21
1230		1230	
1204	1	1204	1
1034		1034	
0234	1	0234	1
1200		1200	
0034		0034	
0204		0204	
1004		1004	
1030		1030	
E0080	1	D0234	1
TOTAL	24	TOTAL	24



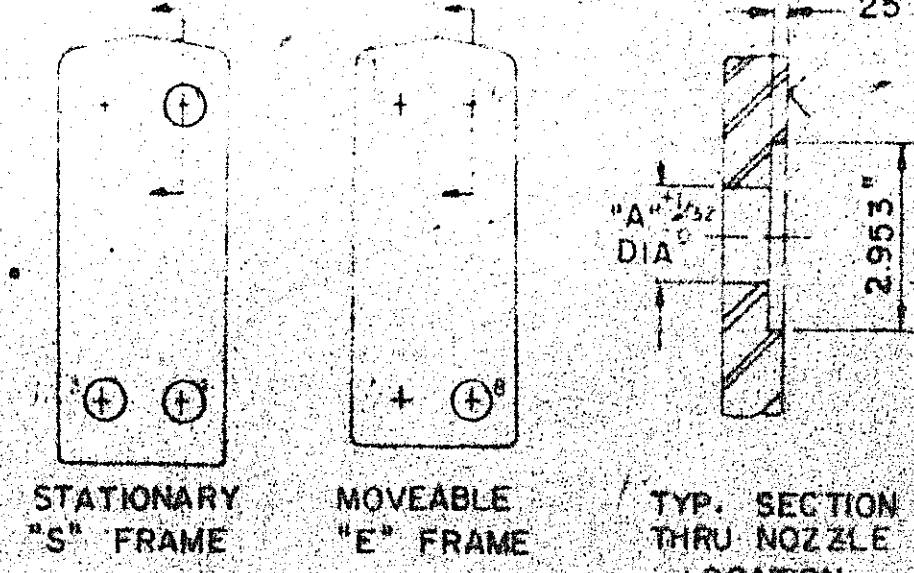
ELEMENT COMPOSITION DIAGRAM

- NOTES:
1. GASKETS FACE "S" FRAME
2. NO NUMBER INDICATES A 4 HOLE PLATE (1234)

PERFORMANCE

SECTION	FLUID NAME	FLOW RATE (GPM)	INLET TEMP (°F)	OUTLET TEMP (°F)	PRESSURE DROP (PSI)	PLATE ARRANGEMENT	MATERIAL
1	ETHANOL-95% WATER	20.16	217	102	1.86	11x12x1	304SS EPR 316L
		57.60	85	109.95	2.37	24x1	304SS EPR 316L

NOZZLE LOCATION	"A" DIA. HOLE
1	
2	2 7/16"
3	1 3/8"
4	2 7/16"
5	
6	
7	
8	3/4"



FRAME HOLE DATA