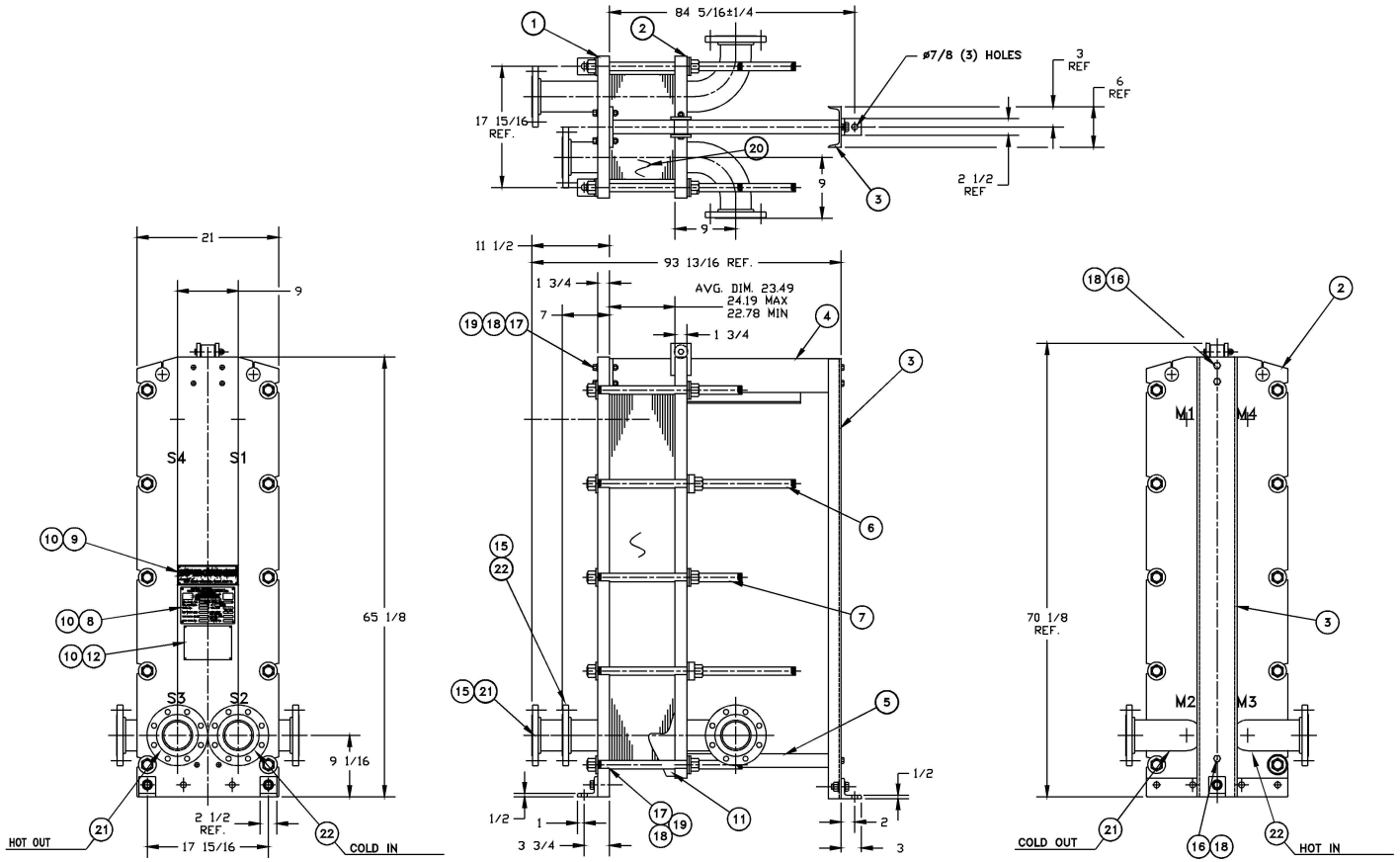
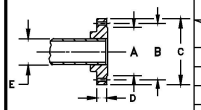


PARTS LIST

ITEM NO.	DESCRIPTION	DRAWING NO.	NO. REQ'D.
1	STATIONARY FRAME ASS'Y. SA-516-70N	D-206934	1
2	MOVEABLE FRAME ASS'Y. SA-516-70N	D-206936-1	1
3	GUIDE BAR SUPPORT	D-203547	1
4	UPPER GUIDE BAR (WORKING LGTH. 82)	D-203525-3	1
5	LOWER GUIDE BAR (WORKING LGTH. 82)	D-203532-3	1
6	BOLT ASS'Y. (WORKING LGTH. 86)		
	1 1/4 DIA. CARBON STEEL SA-193-B7	D-206436-B	4
7	BOLT ASS'Y. (WORKING LGTH. 56)		
	1 1/4 DIA. CARBON STEEL SA-193-B7	D-206436	6
8	DATA NAMEPLATE	B-202112	1
9	NAMEPLATE	B-200734	1
10	METAL TACK FASTENER	A-203187	12
11	SHROUD SET (CUT TO FIT BETWEEN FRAMES)	--	1
12	SERVICE NAMEPLATE, 5X7	D-207436-0001	1
13	DELETED		
14	DELETED		
15	FLANGE PROTECTOR (NOT SHOWN)	B-202665	4
16	GUIDE BAR BOLT	A-203480-6	3
17	GUIDE BAR BOLT	A-203480-3	6
18	GUIDE BAR WASHER	B-203482	9
19	GUIDE BAR NUT	A-203481	6
20	PLATE	--	153
21	NOZZLE 4" STR ("S" FRAME) SA312/403-TP316L	D-6-145439-2	1
22	NOZZLE 4" STR ("S" FRAME) SA312/403-TP316L	D-6-145439-3	1
24	NOZZLE 4"ELL ("M" FRAME) SA312/403-TP316L	D-6-145439-4	2



RAISED FACE SLIP ON SA-182F-316L NOZZLE DIMENSIONS

DIM. \ SIZE	4" 150 LB			
A	6 3/16			
B	7 1/2			
C	9			
D	15/16			
E	4 1/2			

SPECIFICATIONS		
DESIGN PRESSURE:	150	PSI
TEST PRESSURE:	195	PSI
DESIGN TEMP.:	260	°F
NO. OF PLATES:	153	
SURFACE AREA:	715.15	SQ.FT.
WEIGHT:	2534.42	LBS
PAINT: SPEC #429 - ROYAL BLUE		

ASME CERTIFICATION MARK DATA

M.A.W.P. 150 PSI AT 260 °F
M.D.M.T. -20 °F, AT 150 PSI
MEDIUM : API 40
FORM : U-1 NO. REQ'D. 1

LOCATION OF INSTALLATION
VALERUS COMPRESSION SERVICES
VICTORIA, TX

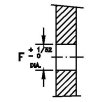
TRANTER GENERAL NOTES
A1. FLEXIBILITY IN PIPING IS NECESSARY TO PROVIDE FOR THERMAL EXPANSION. WHERE APPLICABLE, PIPE VIBRATIONS AND FLUID PULSATIONS SHOULD BE ELIMINATED FOR FATIGUE AND CYCLIC TYPE OF APPLICATIONS.
A2. MAXIMUM FRAME CAPACITY = 244 PLATES
A3. SHOP HAS THE OPTION TO SUBSTITUTE THICKER 316/316LSS PLATES (UP TO 10% OF TOTAL).

ASME NOTES
B1. FABRICATE PER ASME SECTION VIII, DIV. 1 SPECS CURRENT EDITION BASED ON DATE OF CUSTOMER'S PURCHASE ORDER.
"U" STAMP: YES NAT'L BD: 64405

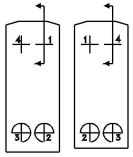
MATERIAL NOTES
D1. MTR TO BE PROVIDED FOR PRESSURE PARTS EXCLUDING GASKETS, TIE BOLTS AND NUTS.

PLATE HANGING ASSEMBLY

Plate Sequence	Gasket Mat'l	Piercing	Gluing	Hanging
1	FKM	L0230	RL Start	K
2, 4 .. 34, 36	FKM	L1234	LS	SR
3, 5 .. 35, 37	FKM	L1234	RL	LK
38	FKM	L1234	LS	S
39	FKM	L1004	RL	L
40, 42 .. 72, 74	FKM	L1234	LS	RS
41, 43 .. 73, 75	FKM	L1234	RL	KL
76	FKM	L1234	LS	R
77	FKM	L0230	RL	K
78, 80 .. 110, 112	FKM	L1234	LS	SR
79, 81 .. 111, 113	FKM	L1234	RL	LK
114	FKM	L1234	LS	S
115	FKM	L1004	RL	L
116, 118 .. 148, 150	FKM	L1234	LS	RS
117, 119 .. 149, 151	FKM	L1234	RL	KL
152	FKM	L1234	LS	R
153	FKM	H0230	RC End	B



TYPICAL SECTION THRU NOZZLE



"S" FRAME "M" FRAME

*CERTI: SA240-316

NOZZLE LOCATION	"F" DIA. HOLE
S1	
S2	4 9/16
S3	4 9/16
S4	
M1	
M2	4 9/16
M3	4 9/16
M4	

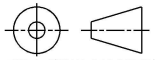
PLATE ASSEMBLY SPECIFICATION

Qty	Gasket Mat'l	Piercing	Gluing
1	FKM	L0230	RL Start
76	FKM	L1234	LS
72	FKM	L1234	RL
3	FKM	L0230	RL
1	FKM	H0230	RC End

PERFORMANCE (RUN NO: 1071107)

SECTION	FLUID NAME	FLOW RATE (IBS/H)	INLET TEMP. °F	OUTLET TEMP. °F	PRESSURE DROP (PSI)	PLATE ARRANGEMENT	PLATE* MATERIAL		NOZZLE MATERIAL	
1	HOT SIDE	23,695.20	229.58	100.14	3.45	19LS X 4	316	FKM	316L	
	COLD SIDE	25,942.70	90.65	203.79	4.49	19LD X 4	316	FKM	316L	

MARK	REVISION	BY	APPR.	DATE



THIRD ANGLE PROJECTION

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN BRACKETS ARE IN MILLIMETERS

DO NOT SCALE THIS DRAWING

SCALE: ----

TOLERANCE ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
FRACTIONAL ± 1/8 DECIMAL ± 0.06 ANGULAR ± 2°
REMOVE BURRS AND SHARP EDGES. COMMERCIAL TOLERANCES APPLY FOR WASHER, TUBING AND BAR STOCK

THE heat transfer people TRANTER®
TRANTER, Inc., Wichita Falls, Texas

PROPERTY OF TRANTER, Inc. AND NOT TO BE REPRODUCED WITHOUT THEIR CONSENT NOR USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF TRANTER, Inc.

CUSTOMER: VALERUS COMPRESSION SERVICE

SERIAL No. 01SC1479

TITLE: SUPERCHANGER MODEL GXD-042-L-6-UR-153

DRAWN BY RH — CHECKED AND APPROVED BY ZF
DATE 3/10/2015 — DATE 3/10/2015
W/N DUPLICATE OF D-6-145190
S/O 159227
DWG. NO. D-6-159227-C
REV. 0

GXD042UPF

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