GENERAL NOTES

1) ALL PIPE NOZZLES EXTEND 6" OUTSIDE SHELL UNLESS INDICATED OTHERWISE.
2) ALL WELDS: WPS 109, 1002, 1005, 2002, AND 4004 APPLY UNLESS INDICATED OTHERWISE
3) SA516-70 MAY BE SUBSTITUTED FOR SA36.
4) SA106B PIPE MAY BE SUBSTITUTED FOR SA53B SEAMLESS AND VICE VERSA.
5) ALL BOLT HOLES STRADDLE CENTERLINE.
6) ALL PIPE NOZZLES EXTEND 1/2" INSIDE SHELL UNLESS INDICATED OTHERWISE.

TYP. LONG SEAM — W "1"

TYP GIRTH SEAM — SHELL HEAD — W "2"

TYP. BUTT WELD SEAM — PIPE TO PIPE, PIPE TO FITTING — W "3"

NOZZLE — W"6X"

NOZZLE — W"10"

NOZZLE — W"10A"

TYPICAL NOZZLES D1 D2 & D3

NAMEPLATE BRACKET — W"13"

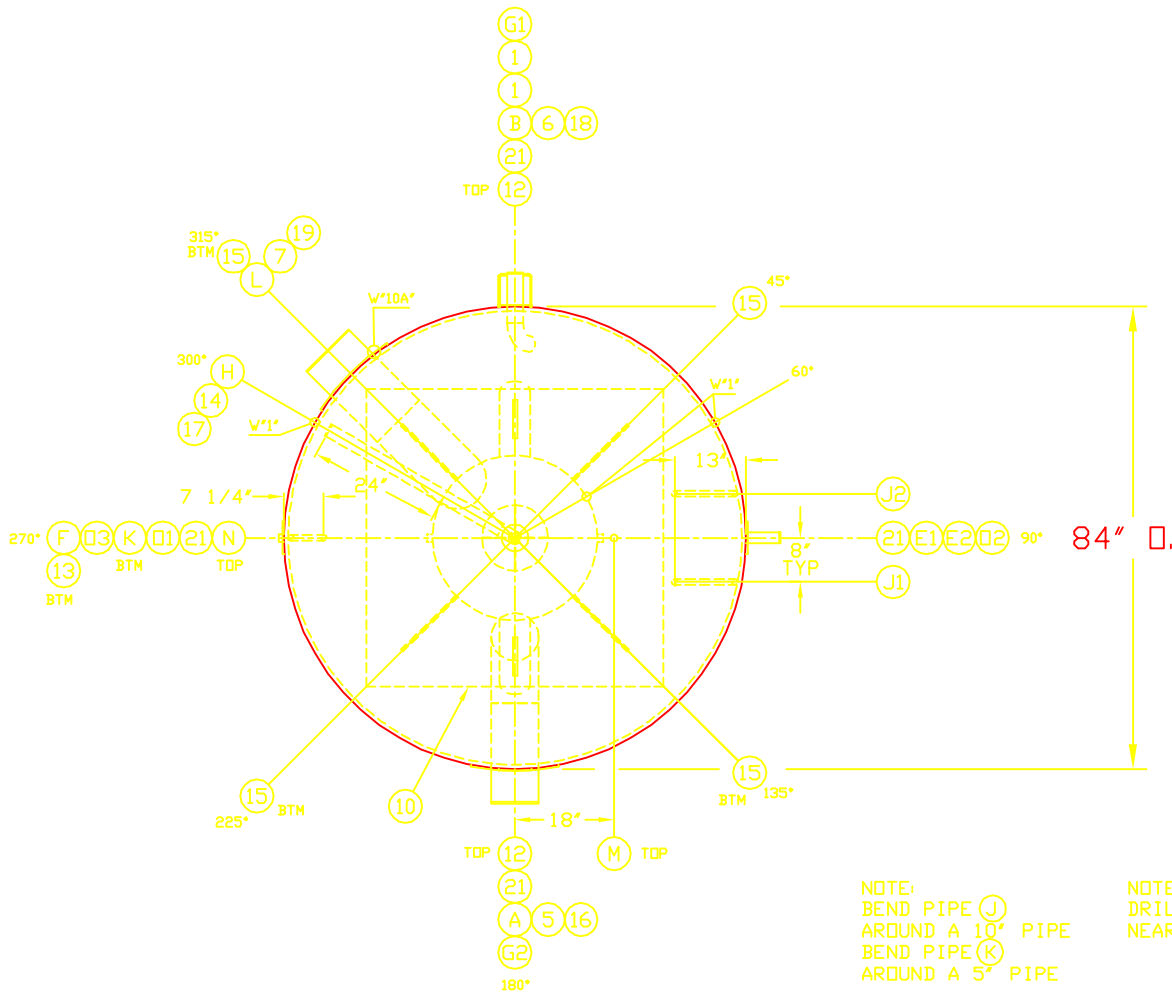
NOZZLE — W"14"

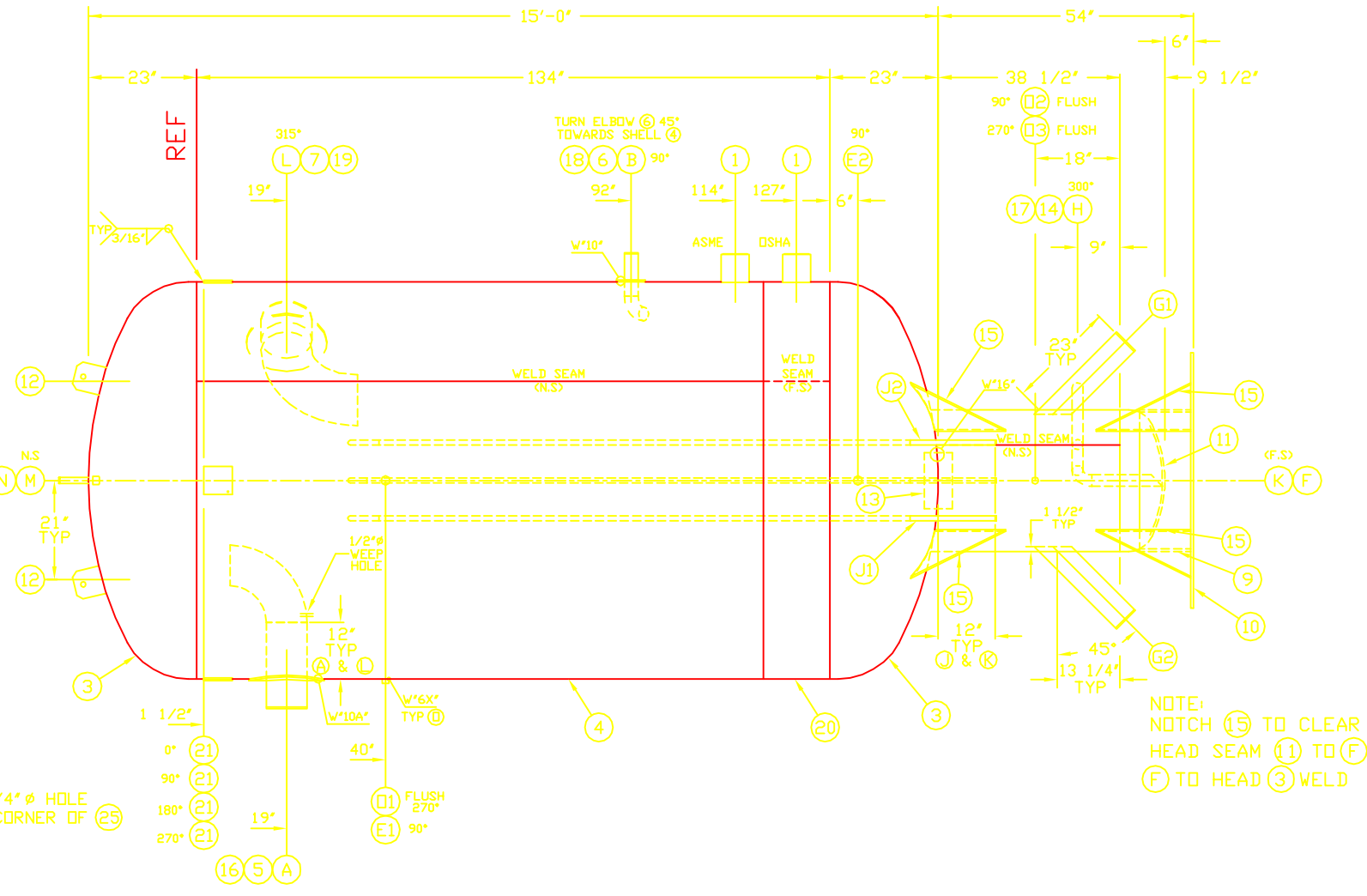
TYP. UNLESS INDICATED OTHERWISE

SUMP — W"16"

LIFT LUG — W"20"

PIPE STAND — W"26"





NOTE:
BEND PIPE J
AROUND A 10" PIPE
BEND PIPE K
AROUND A 5" PIPE

DETAIL J K
TYPICAL

NOTE:
DRILL A 1/4"ø HOLE
NEAR ONE CORNER OF 25

NOTE:
NOTCH 15 TO CLEAR
HEAD SEAM 11 TO F
F TO HEAD 3 WELD

DIE STAMP ON REVERSE
OF STD DATA PLATE

CAL. OSHA

HD THK:	3/4"
SH THK:	3/4"
U.S. GAL:	3,982
SQ. FT. SURFACE	386

TEST WITH WATER

ASME DATA PLATE

Refrigeration Valves and Systems Corp. PRECISION
U
NATIONAL BOARD NO.
CERTIFIED BY REFRIGERATION VALVES & SYSTEMS CORPORATION BRYAN, TEXAS
W
RT-4 MAWP 250 PSI AT 300 °F
MDMT -20 °F AT 250 PSI
S/N 94797 YEAR BUILT 1994

BILL OF MATERIALS

NOZZLE SCHEDULE

R								
Q								
P	3	3/4"	CPLG	3000#	SA105	TEST		
N	1	1"	LONG CPLG	3000#	SA105	RELIEF		
M	1	1"	PIPE	S/80	SA106B	EMERGENCY DUMP	7"	
L	1	10"	PIPE	S/60 (1/2")	SA106B	SUCTION INLET	18"	
K	1	3/4"	PIPE	S/80	SA106B	OIL POT VENT	154"	
J	2	3/4"	PIPE	S/80	SA106B	PUMP VENT	154"	
H	1	2"	PIPE	S/40	SA106B	OIL DRAIN	36"	
G	2	3"	PIPE	S/40	SA106B	PUMP SUCTION	23 1/2"	
F	1	30"	ROLLED PLATE	1/2"	SA516-70	SUMP	40"	
E	2	1 1/2"	PIPE	S/80	SA106B	COLUMN	7'9"	
D								
C								
B	1	2 1/2"	PIPE	S/40	SA106B	LIQUID MAKE-UP	9"	
A	1	8"	PIPE	S/80	SA106B	SUCTION OUTLET	18"	
ITEM	QTY	SIZE	TYPE	RATING	MATERIAL	SERVICE	LENGTH	

SHELL, HEADS, INTERNALS, SUPPORTS

ITEM	QTY	SIZE	TYPE	RATING	MATERIAL	LENGTH
22						
21	4	6"	FLAT	3/8"	SA36	6"
20	1	84" O.D	ROLLED SHELL	3/4"	SA516-70	14"
19	1	11" ID X 17" OD	PLATE	3/8"	SA516-70	
18	1	3 1/8" ID X 6" OD	PLATE	3/8"	SA516-70	
17	1	2"	PIPE (BOE 45°)	S/40	SA106B	15"
16	1	8 7/8" ID X 13" OD	PLATE	3/8"	SA516-70	
15	4	14" X 20"	PLATE	1/2"	SA36	
14	1	2"	ELBOW	S/40	SA234-WPB	L.R
13	2	6"	FLAT	1/8"	SA36	13 7/8"
12	2	STR	LIFT LUG	3/4"	SA36	6"
11	1	30" O.D	2:1 ELLIP HEADS	1/2"	SA516-70	
10	1	54" X 54"	PLATE	1/2"	SA36	
9	1	30" O.D	ROLLED SHELL	1/2"	SA36	11"
8	2	1 1/2"	STRAP	1/8"	SA36	95"
7	1	10"	ELBOW	S/40	SA234-WPB	L.R
6	1	2 1/2"	ELBOW	S/40	SA234-WPB	L.R
5	1	8"	ELBOW	S/40	SA234-WPB	L.R
4	1	84" O.D	ROLLED SHELL	3/4"	SA516-70	120"
3	2	84" O.D	2:1 ELLIP HEADS	3/4"	SA516-70	
2	3	1 1/2"	STRAP	1/8"	SA36	264"
1	2	6"	STD DATA BRACKET		SA36	

CUSTOMER: TRI-COM REFRIGERATION

P.O. NO.: 24024

VESSEL DESIGN SPECIFICATIONS

DESIGN & CONSTRUCTION IN ACCORDANCE WITH SECTION VIII DIV. 1 ASME CODE FOR PRESSURE VESSELS 1992 EDITION & ADDENDA TO 1993

SHELL	SA516-70	3/4" (.701"MIN.)	HEADS	SA516-70	3/4" (.592"MIN.) 2:1
RT	LONG SPOT / GIRTH SPOT		HT	NO	CA 0
M.A.W.P.	250 PSI		AT	-20 °F	TO 300 °F
HYDROTEST	375 PSI		PAINT	SHOP PRIMER	EMPTY WEIGHT 14,100 LBS

REVISIONS

NO	DATE	BY	DESCRIPTION
1	11-28-94	MM	ADDED SEISMIC PADS 21
2	11-30-94	MM	REVISED VENT PIPING
3			
4			
5			
6			

TITLE: 84" O.D. X 15'-0" VERT 250# ASME

CAD

Refrigeration Valves and Systems Corp. PRECISION
1520 CROSSWIND DRIVE BRYAN, TEXAS 77808

DRAWN BY: MM	SERIAL NO. 94797	SCALE 3/4"=1'-0"	DRAWING NO. REV.2
CHECKED BY:	TO SHOP	DATE 11-11-94	L0403-1D