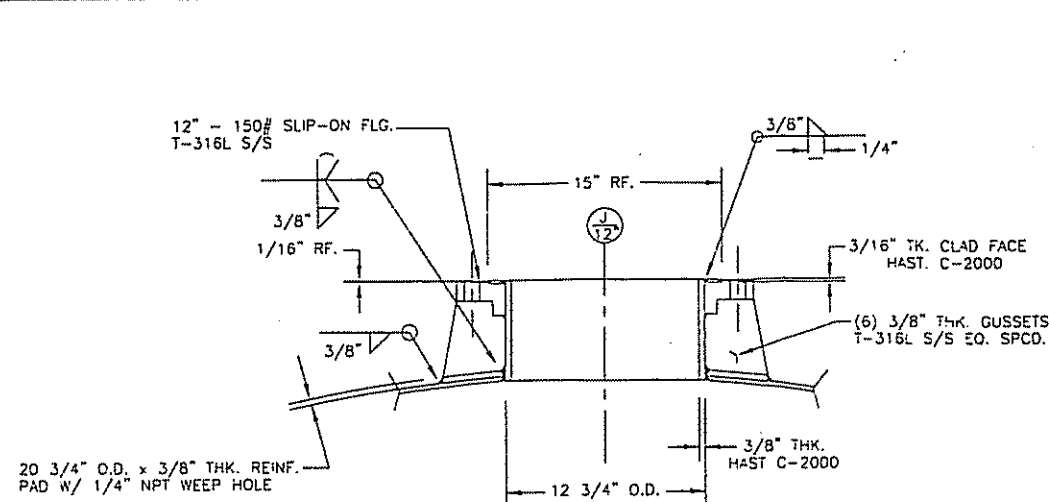
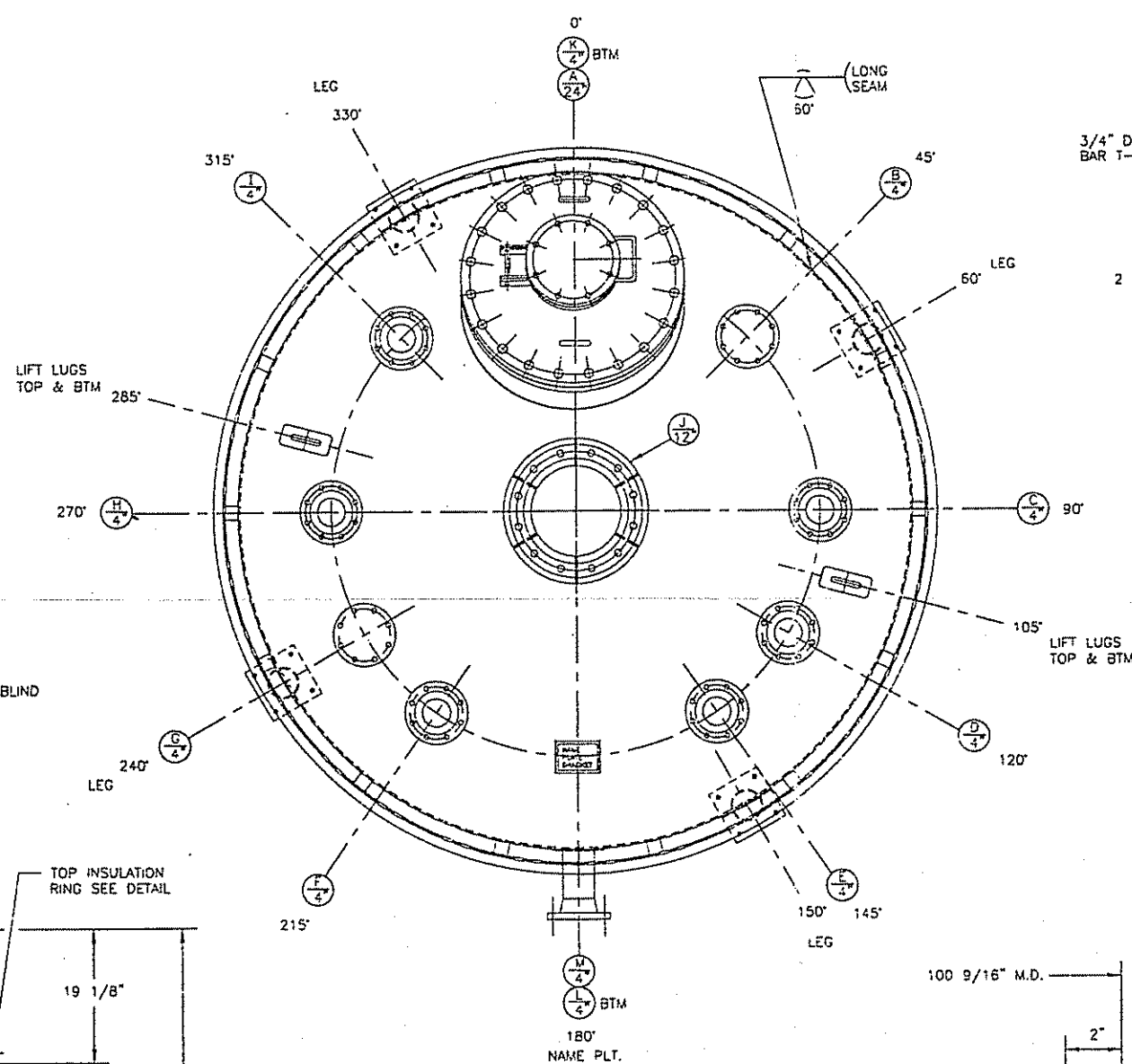
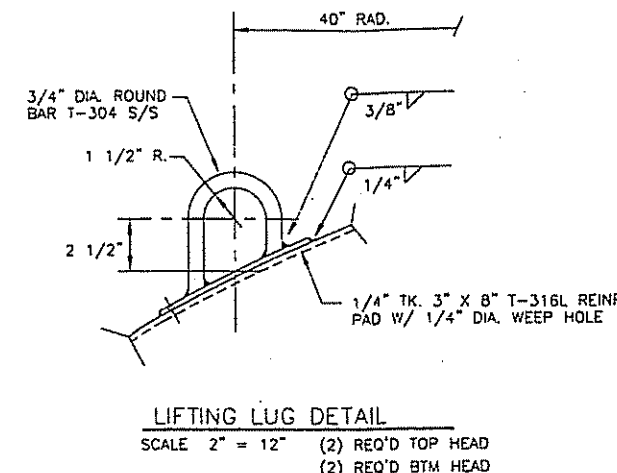




AGITATOR "J" DETAIL
SCALE 1 1/2" = 12"



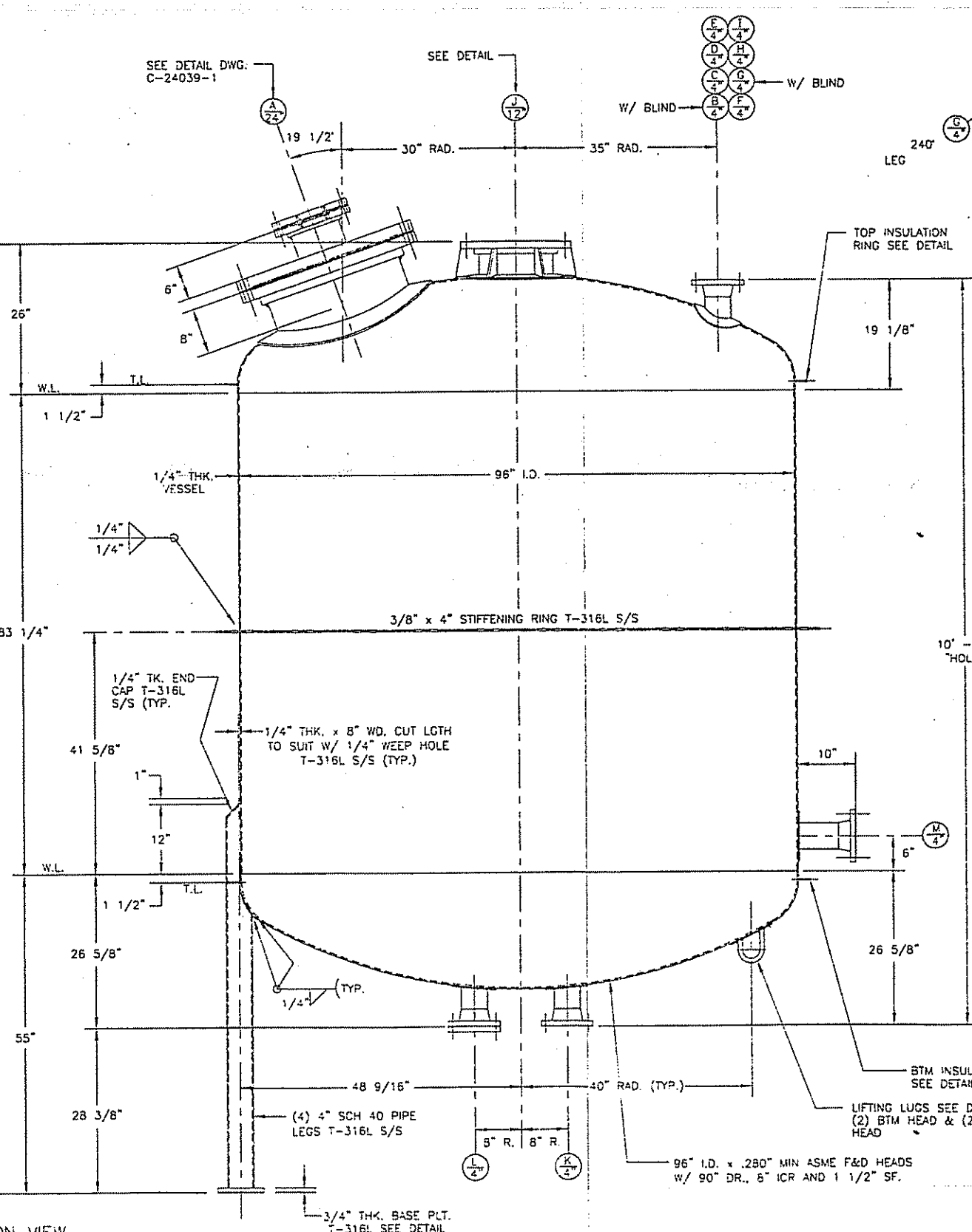
PLAN VIEW
SCALE 3/4" = 12"
TRUE ORIENTATION



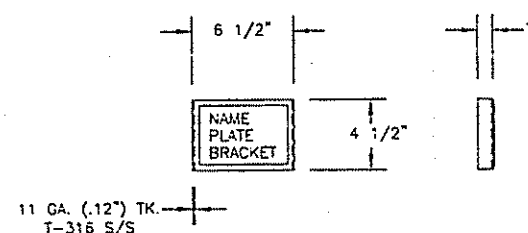
LIFTING LUG DETAIL
SCALE 2" = 12"
(2) REQ'D TOP HEAD
(2) REQ'D BTM HEAD

NOZZLE SCHEDULE					
MARK	QUAN.	SIZE	ASA RATING	SCH	SERVICE
A	1	24"	150# SLIP-ON W/RF	3/8"	MANWAY
B	1	4"	150# WELD NECK W/RF	40	SPARE W/ BLIND
C	1	4"	150# WELD NECK W/RF	40	INLET
D	1	4"	150# WELD NECK W/RF	40	INLET
E	1	4"	150# WELD NECK W/RF	40	INLET
F	1	4"	150# WELD NECK W/RF	40	LEVEL TRANSMITTER
G	1	4"	150# WELD NECK W/RF	40	SPARE W/ BLIND
H	1	4"	150# WELD NECK W/RF	40	LEVEL SWITCH
I	1	4"	150# WELD NECK W/RF	40	VENT
J	1	12"	150# SLIP-ON W/RF	3/8"	AGITATOR
K	1	4"	150# WELD NECK W/RF	40	OUTLET
L	1	4"	150# WELD NECK W/RF	40	SPARE W/ BLIND
M	1	4"	150# WELD NECK W/RF	40	TE

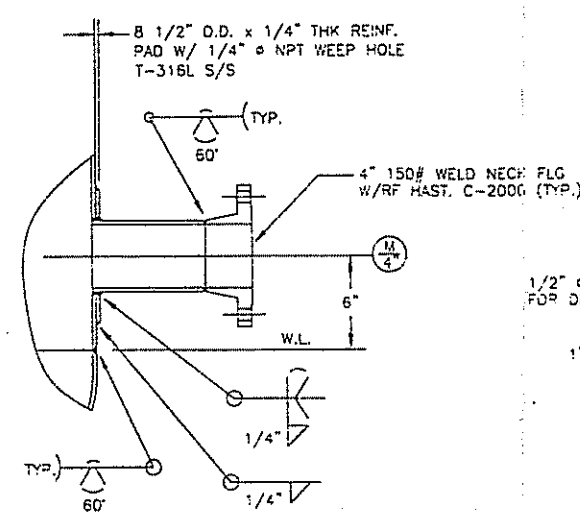
SUPPLIED W/ BLIND FLG., GASKET AND BOLTING



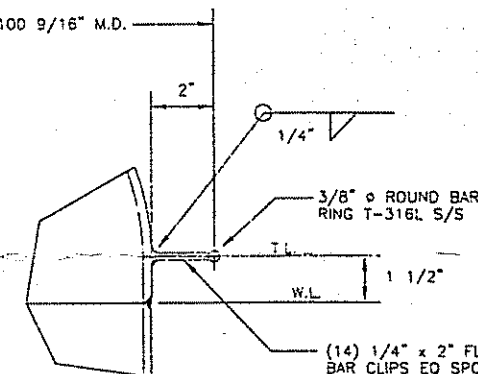
ELEVATION VIEW
SCALE 3/4" = 12"
FOR TRUE ORIENTATION SEE PLAN VIEW



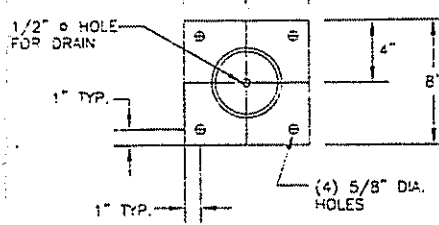
NAME PLATE BRACKET DETAIL
SCALE 1 1/2" = 12"



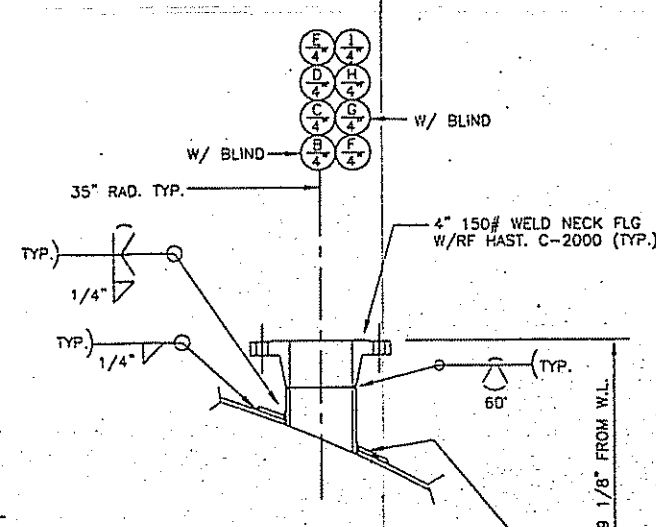
NOZZLE "M" DETAIL
SCALE 1 1/2" = 12"



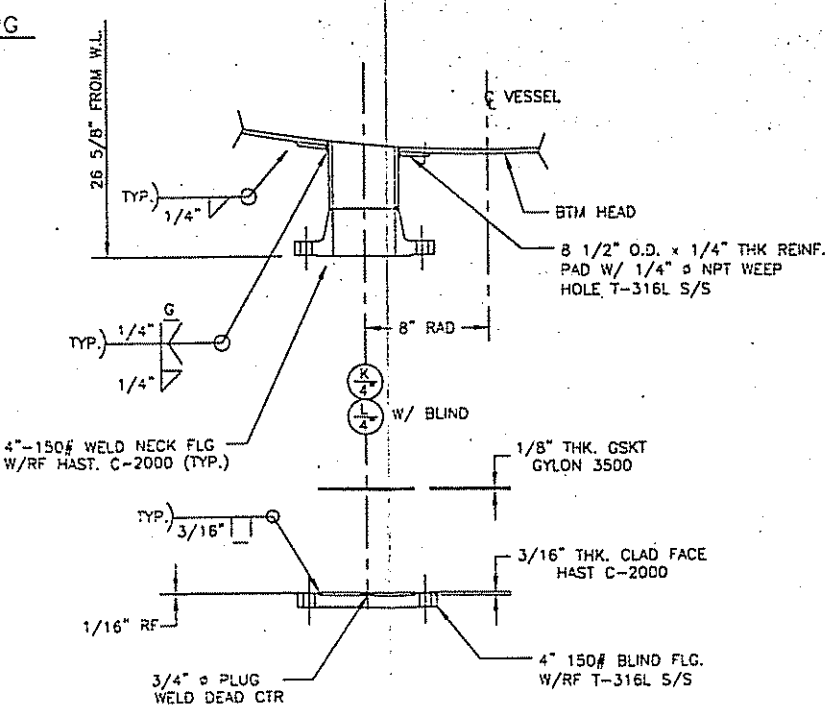
TOP & BTM INSULATION RING
SCALE 3" = 12"
(2) REQ'D



LEG BASE PLATE DETAIL
SCALE 1 1/2" = 12"
(4) REQ'D



TYPICAL NOZZLE DETAIL
SCALE 1 1/2" = 12"



NOZZLES "K & L" DETAIL
SCALE 1 1/2" = 12"

NOTES

- CONSTRUCTION TO COMPLY WITH ASME CODE SECTION VIII, INCLUDING CERT. & STAMP FOR INSTALLATION IN STATE OF AL.
- NAME PLATE STAMPING:

CERTIFIED BY:	NAT'L. BOARD
ROBEN MFG. CO. INC.	LAKEWOOD, N.J. 08701
VESSEL NAME:	96" I.D. HAST C-2000 SOLUTION TANK
MIN. DESIGN METAL TEMP:	-20.0°F AT 400.0°F
MAX. DESIGN METAL TEMP:	400.0°F AT 400.0°F
MIN. DESIGN METAL TEMP:	-20.0°F AT 400.0°F
MAX. DESIGN METAL TEMP:	400.0°F AT 400.0°F
SERIAL NO.	24039
P.O. NO.	MO005604X
ITEM NO.	8-V-113
CORR. ALLOW.	NONE
HYDRO-TEST PRESSURE	65 PSI

DETAIL DWS

MANWAY DETAIL C-24039-1

3. TEST PRESSURE SHELL SIDE 65

CORROSION ALLOWANCE NONE

4. WEIGHTS: 8,950 LBS.

5. PAINT: NO

6. SANDBLAST: NO

7. STRESS RELIEVE: NO

8. RADIOGRAPHY: YES SPOT X-RAY

9. SPECIAL TESTS: YES LIQUID PENETRANT ALL WELDS

10. CUSTOMER'S INSPECTION: YES

GENERAL NOTES

- ALL BOLT HOLES TO STRADDLE VESSEL CENTER LINES.
- VESSEL TO BE FREE OF ALL WELD SPLATTER, DIRT, OIL, AND GREASE.
- COVER & PLUG ALL OPENINGS FOR SHIPMENT.
- INTERNAL WELDS GROUND SMOOTH NOT FLUSH.

CUSTOMER CIBA SPECIALTY CHEMICALS

P.O. NO. MO005604X

UNITS REQ'D. (1) ONE

ROBEN Manufacturing Company, Inc.

Steel and Alloy Fabrication

96" I.D. HAST C-2000 SOLUTION TANK

ITEM NO: 8-V-113

SCALE: 3/4" = 12"

DATE: 10/16/04

DRAWING: 24039

ASME MATERIAL SPECIFICATIONS									
SA-312	SA-312	SA-312	SA-312	SA-312	SA-312	SA-312	SA-312	SA-312	SA-312
SA-312	SA-312	SA-312	SA-312	SA-312	SA-312	SA-312	SA-312	SA-312	SA-312
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8-V-113

107/85