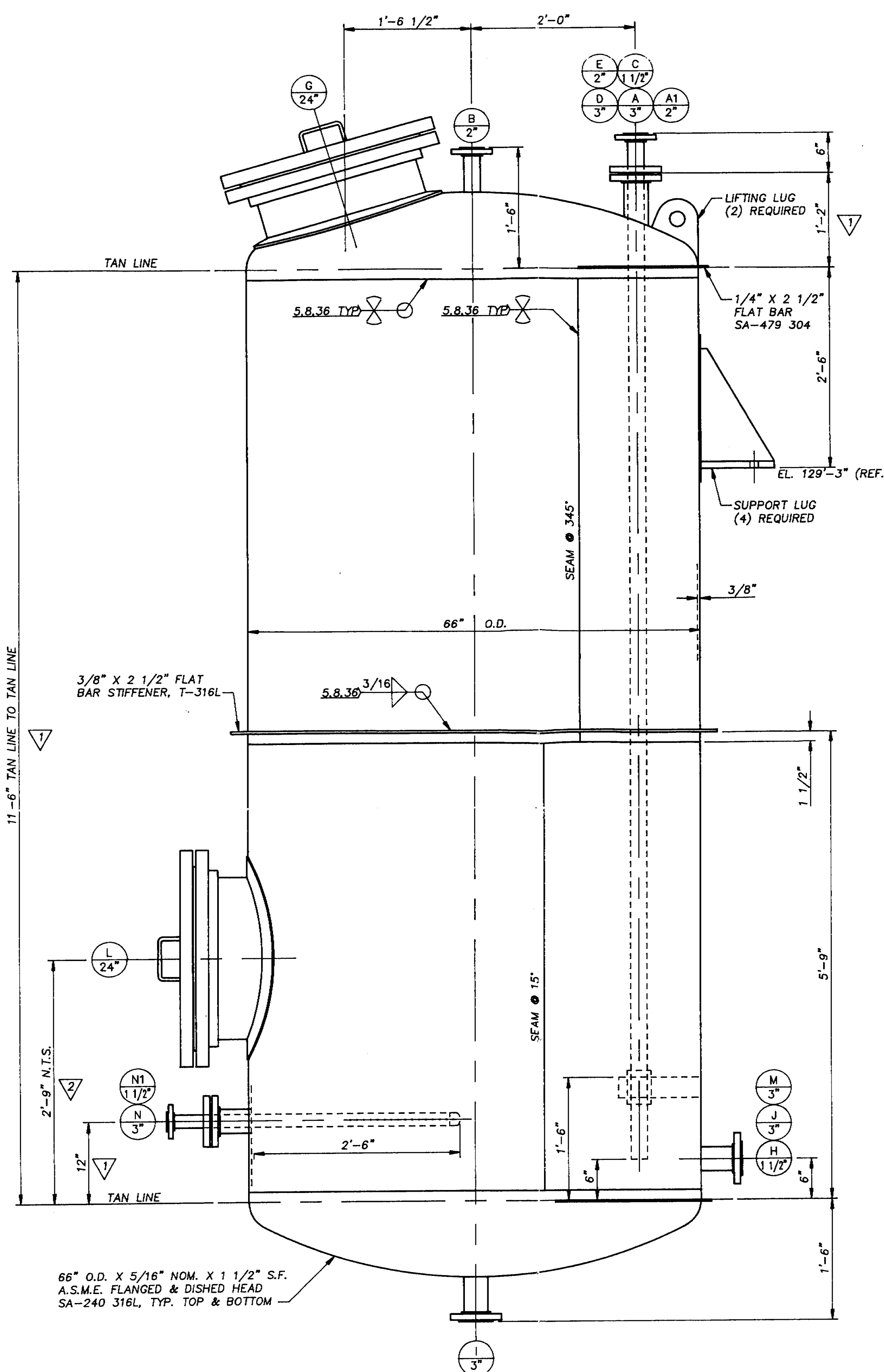
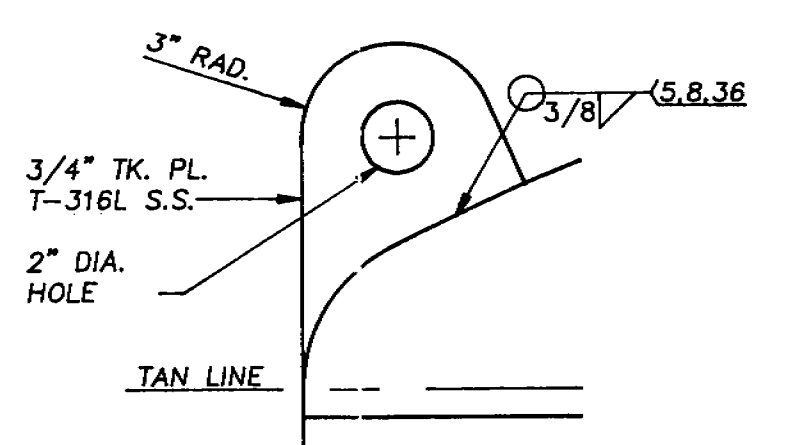


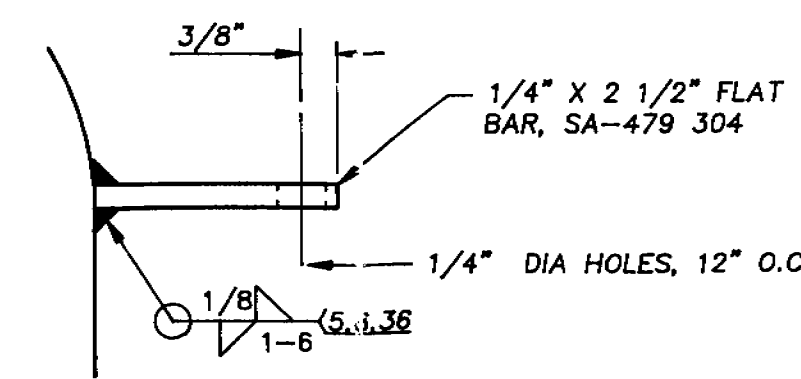


11'-6" TAN LINE TO TAN LINE

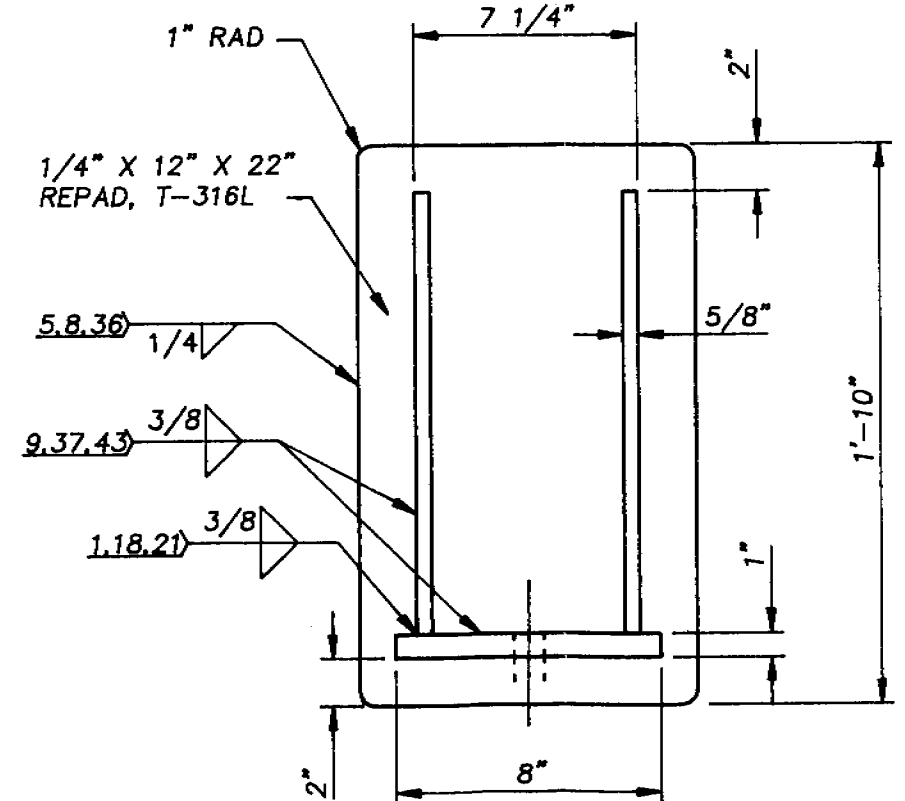
ELEVATION
SCALE 1" = 1'-0"



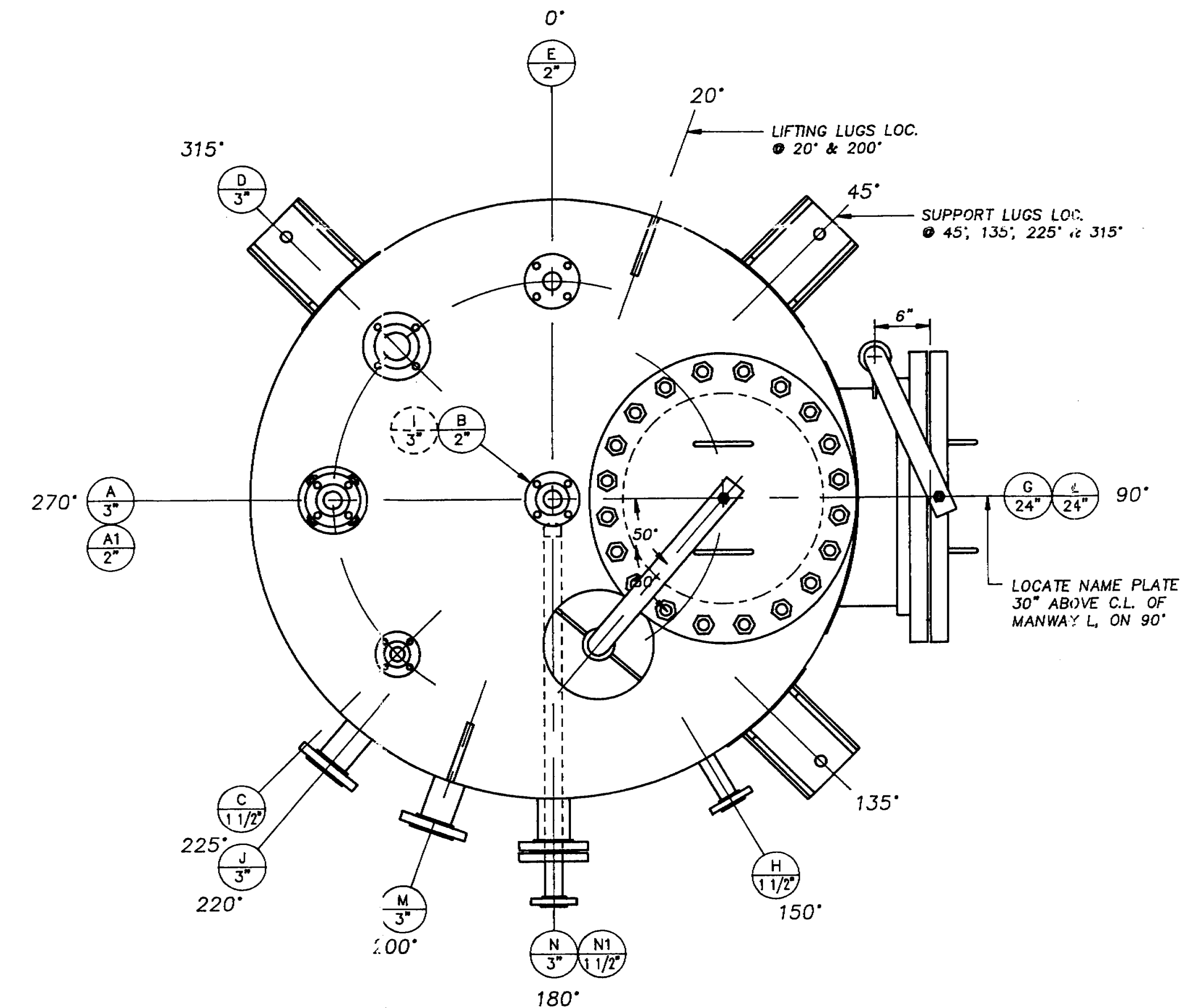
LIFTING LUG DETAIL
NO SCALE



INSULATION SUPPORT DETAIL
NO SCALE



SUPPORT LUG DETAIL
NO SCALE



PLAN VIEW
SCALE 1" = 1'-0"

NOZZLE SCHEDULE												
MK	SIZE	QUN	NOZZLE FLANGE			NECK		REPAD		PROJ	ORIENT	SERVICE
			TYPE	RATG	MATL	SCH	MATL	THK	O.D.			
A	3"	1	L	J	150#	SA-105	40	316L		**	TOP 270°	MOUNT FOR A1
A1	2"	1					40			6"		INLET , DIP PIPE
B	2"	1					80			**	TOP CTR.	CONS. VENT
C	1 1/2"	1					80			**	TOP 225°	LEVEL SWITCH
D	3"	1					40			**	TOP 315°	SPARE W/ BLIND
E	2"	1					80			**	TOP 0°	RELIEF
G	24"	1					3/8"		3/8" 28 1/2"	8"	TOP 90°	MANWAY W/ DAVIT
H	1 1/2"	1					80			6"	150°	TEMP. SENSOR
I	3"	1					40			**	BOT. CTR.	OUTLET
J	3"	1					40			6"	220°	LEVEL SENSOR
L	24"	1					3/8"		3/16" 30"	8"	90°	MANWAY W/ DAVIT
M	3"	1					40			6"	200°	SPARE W/ BLIND
N	3"	1								6"	180°	MOUNT FOR N1
N1	1 1/2"	1								6"		INLET SPARGER

NOTE: REPAD MATERIAL IS SA-240 316L.
** SEE DRAWING

DESIGN DATA

DESIGN CONDITIONS:
SHELL: FULL VACUUM & 14 Psig @ 239 °F
COIL: Psig @ °F
JACKET/TUBE SIDE: Psig @ °F

HYDROSTATIC TEST:
SHELL: 22 Psig
COIL: Psig
JACKET/TUBE SIDE: Psig

SPECIFIED CORROSION ALLOWANCE: 1/32"

RADIOGRAPHY: SPOT STRESS RELIEF: NONE

MAWP: 14 Psig LIMITED BY:
CODE: A.S.M.E. SECT. VIII; DIV. 1; 1992 A93 STAMP: NO

TYPE HEADS:
SHELL: A.S.M.E. FLANGED & DISHED
JACKET/TUBE SIDE:

JOINT EFFICIENCY: HEAD 100%; SHELL 85%

SHIPPING WEIGHT: ~ 7000 # TEST WEIGHT: ~ 28000 #

MATERIALS

SHELL: VESSEL: 3/8" TK. SA-240 316L
JACKET/TUBE SIDE:

HEADS: VESSEL: 5/16" NOM. SA-240 316L
JACKET/TUBE SIDE:

TUBES:

TUBE SHEETS:

BAFFLES:

TIE RODS:

FLANGE SPEC: SA-105
CLASS 150, ANSI B16.5
FACING: LAP JOINT & RAISED FACE - STANDARD STOCK

EXTERNAL PIPE SPEC: SA-312 TP 316L WLD.
INTERNAL PIPE SPEC: SA-312 TP 316L WLD.
CLADDING OR LINING SPEC: SA-240 316L

BOLTING: STUD: SA-193 B7; NUT: SA-194 2H

GASKETS: TFE ENVELOPE / GARLOCK STYLE 6326

SUPPORTS: SA-36 LUGS ON SA-240 316L REPADS

INSULATION: 3" TK. BY OTHERS, SUPPORTS PROVIDED

PAINTING: CARBON STEEL PARTS: PER FMC SPEC. 8004-A; SEE BELOW
STAINLESS STEEL PARTS: PER FMC SPEC. 8004; SEE BELOW

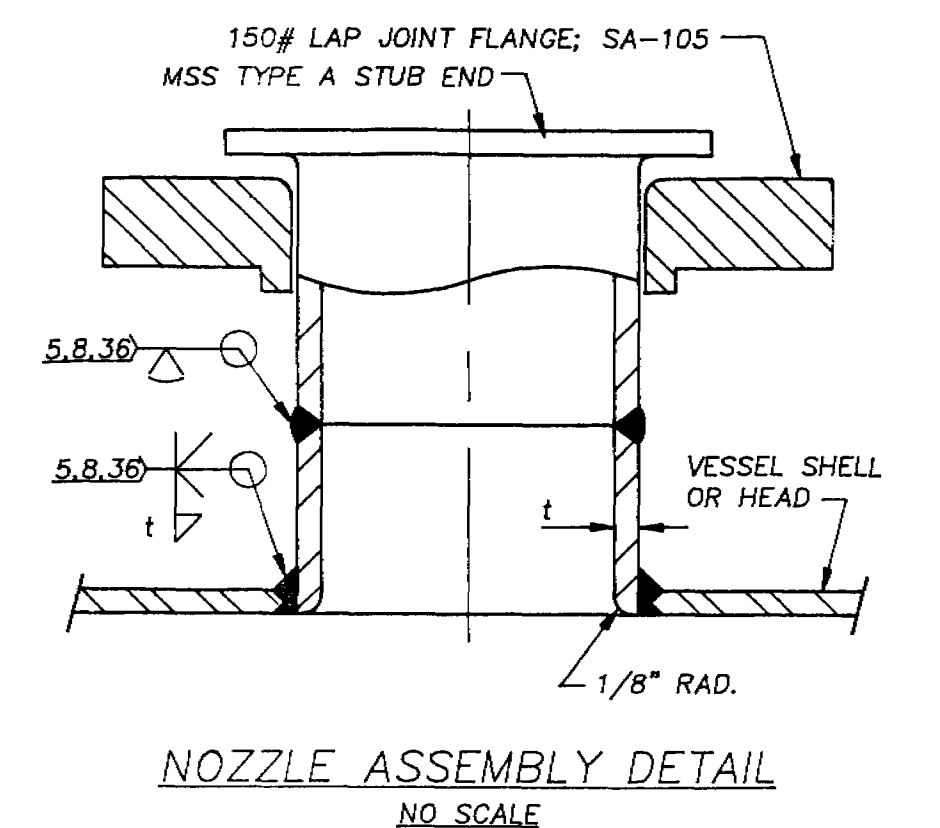
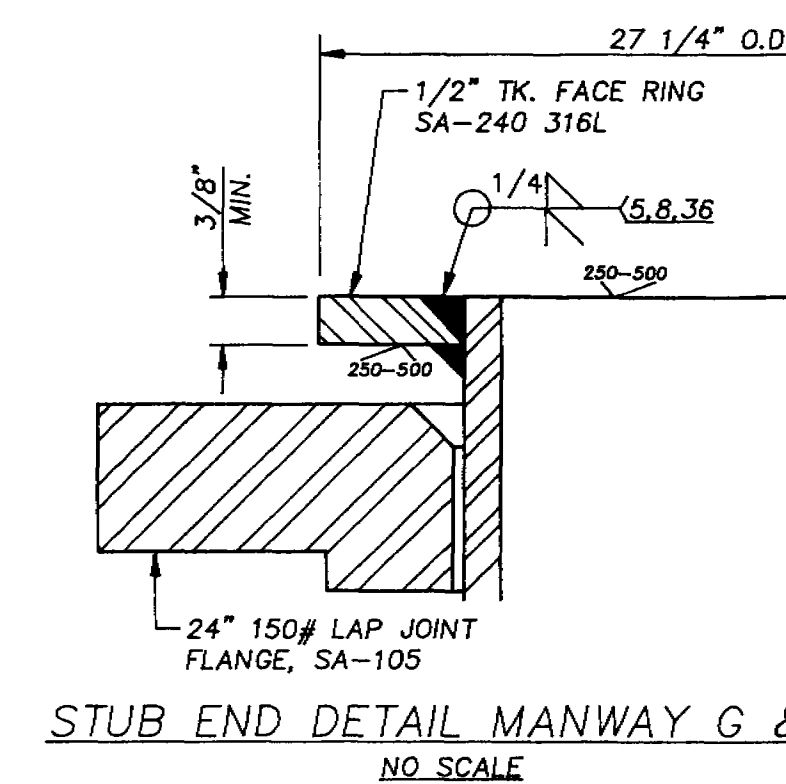
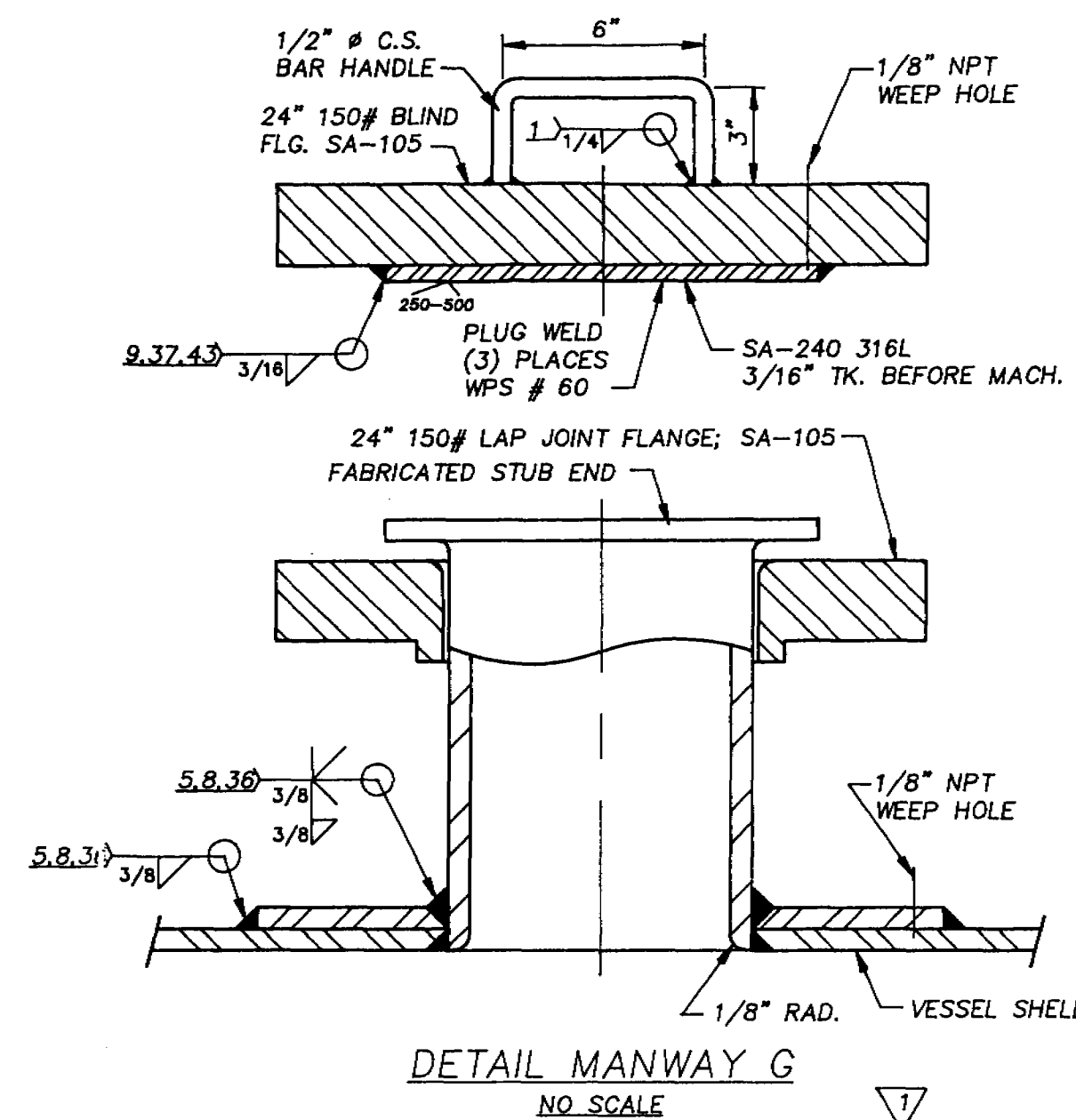
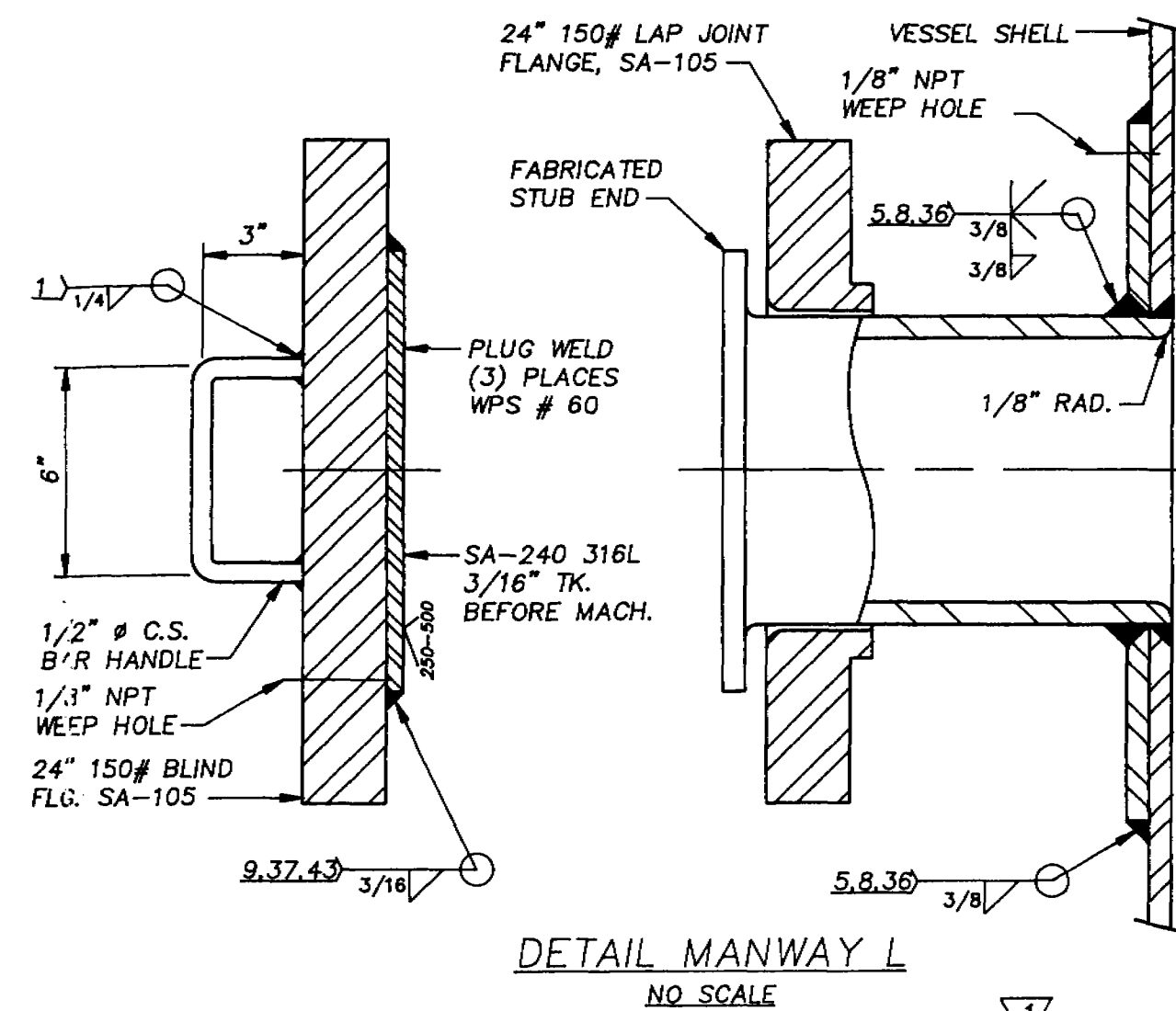
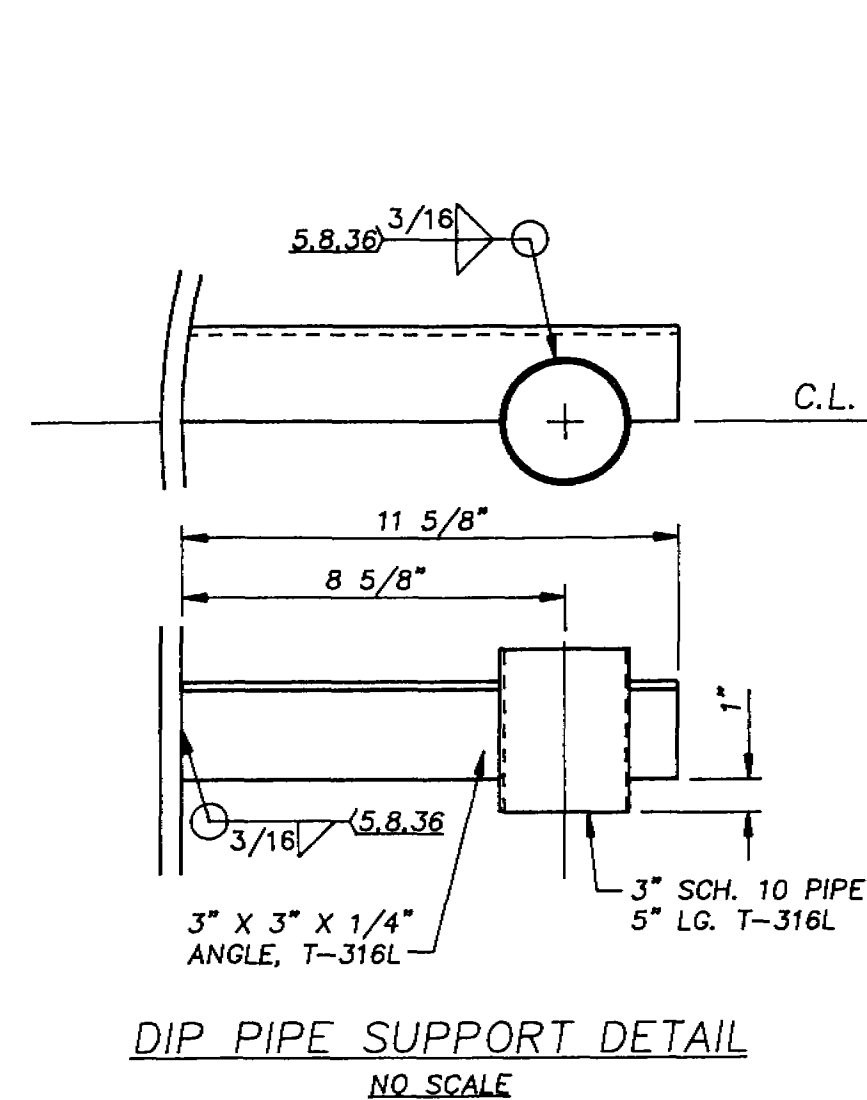
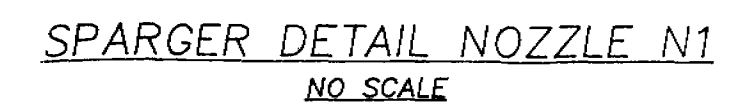
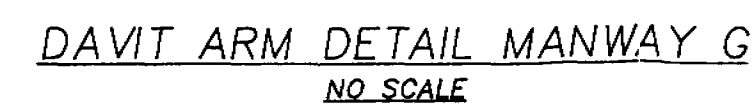
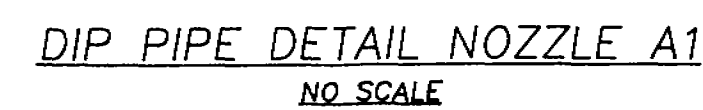
NOTES

- ELEVATIONS MEASURED FROM BASE LINE.
- ORIENTATION MEASURED CLOCKWISE FROM 0°.
- PROJECTION MEASURED FROM (CENTERLINE) (OUTSIDE) OF VESSEL TO EXTREME FACE OF FLANGE.
- NOZZLE BOLT HOLES TO STRADDLE 0°-180° CENTERLINE OR ITS PARALLEL UNLESS NOTED OTHERWISE.
- COVER ALL FLANGES, OPENINGS AND MACHINED SURFACES PRIOR TO SHIPMENT UNLESS NOTED OTHERWISE.
- WELDING PROCEDURES:
1 SMAW C.S. TO C.S. # 21 GTAW C.S. TO C.S.
5 GTAW S.S. TO S.S. # 36 GTAW S.S. TO S.S.
8 SMAW S.S. TO S.S. # 37 GTAW S.S. TO C.S.
9 SMAW S.S. TO C.S. # 43 GTAW S.S. TO C.S.
18 GTAW C.S. TO C.S. # 60 CLAD PLUG WELD
- ALL REPADS WILL HAVE 1/8" NPT WEEP HOLE AT LOW POINT.
- INTERIOR WELD SEAMS WILL BE GROUND SMOOTH, BUT NOT FLUSH.

FABRICATED BY WARD TANK CORPORATION CHARLOTTE, N.C.	
W RT-3	
SHELL	MAWP: FV 14 PSI @ 239 °F
JKT./TUBE SIDE	MAWP: PSI @ °F
SHELL	Min. Design Metal Temp: -20 °F @ 14 PSI
JKT./TUBE SIDE	Min. Design Metal Temp: °F @ PSI
TEST PRESS.	SHELL: 22 PSI JKT./TUBE SIDE: PSI
MFGR. S. N.	W-2756 YR. BUILT: 1995
CUSTOMER	FMC CORPORATION
P.O. NO.	JB-94037-11.05 DATE: 12.12.94
NOMENCLATURE	PYRIDINE EXTRACTOR FEED TANK
EQUIP. NO.	T-17220

CERTIFIED PRINT
WARD TANK CORPORATION
By: CAC
Date: 10.10.95

		WARD TANK CORPORATION 6870 EAST HARRIS BOULEVARD CHARLOTTE, NORTH CAROLINA 28215	
CUSTOMER	PURCHASE ORDER NUMBER		
FMC CORPORATION	JB-94037-11.05		
TITLE			
PYRIDINE EXTRACTOR FEED TANK			
EQUIPMENT NO.	T-17220	NO. REQD.	1
CHECKED BY	C.A.C.	DATE	1. 4.95
DATE	2.28.95	DRAWING NUMBER	95-W-2756
REV. NO.	1	SCALE	AS SHOWN
DATE	6.15.95	DESCRIPTION	AS BUILT
BY	C.A.C.	DATE	1. 4.95
DATE	2.28.95	DESCRIPTION	PER APPROVAL DRAWING
BY	C.A.C.	DATE	1. 4.95
DATE	2.28.95	DESCRIPTION	PER APPROVAL DRAWING
BY	C.A.C.	DATE	1. 4.95
DATE	2.28.95	DESCRIPTION	PER APPROVAL DRAWING



CERTIFIED PRINT
WARD TANK CORPORATION
By: CAC
Date: 10.10.95

#93538

		WARD TANK CORPORATION 8770 EAST HARRIS BOULEVARD CHARLOTTE, NORTH CAROLINA 28215	
CUSTOMER		PURCHASE ORDER NUMBER	
FMC CORPORATION		JB-94037-11.05	
TITLE			
PYRIDINE EXTRACTOR FEED TANK			
EQUIPMENT NO. T-17220		NO. REQ'D 1	
CHECKED BY C.A.C.	DATE 1. 4.95	DRAWING NUMBER	
DRAWN BY C.A.C.	SCALE AS SHOWN	95-W-2756	
		REV. NO. 2	
		SHEET 2 OF 2	

2		6.15.95	AS BUILT	C.A.C.	EQUIPMENT NO. T-17220		NO. REQ'D 1	
1		2.28.95	PER APPROVAL DRAWING	C.A.C.	CHECKED BY C.A.C.	DATE 1. 4.95	DRAWING NUMBER	REV. NO. 2
REV. NO.	DATE	DESCRIPTION		BY	DRAWN BY C.A.C.	SCALE AS SHOWN	95-W-2756	SHEET 2 OF 2

#93538

WARD TANK CORPORATION
CHARLOTTE

Shell	MAWP	PSI	PSI
Jkt / Tube Side	MAWP	PSI	PSI
Min. Design Metal Temp.			
JKT / TUBE SIDE	Min. Design Metal Temp.		
TEST PRESS.	SHELL	PSI	JKT / TUBE SIDE
MEGR'S S. N.			YR. BUILT
CUSTOMER			

P.O. NO.	DATE
1-17-77	12-12-77
SIGNATURE	
1-17-77	