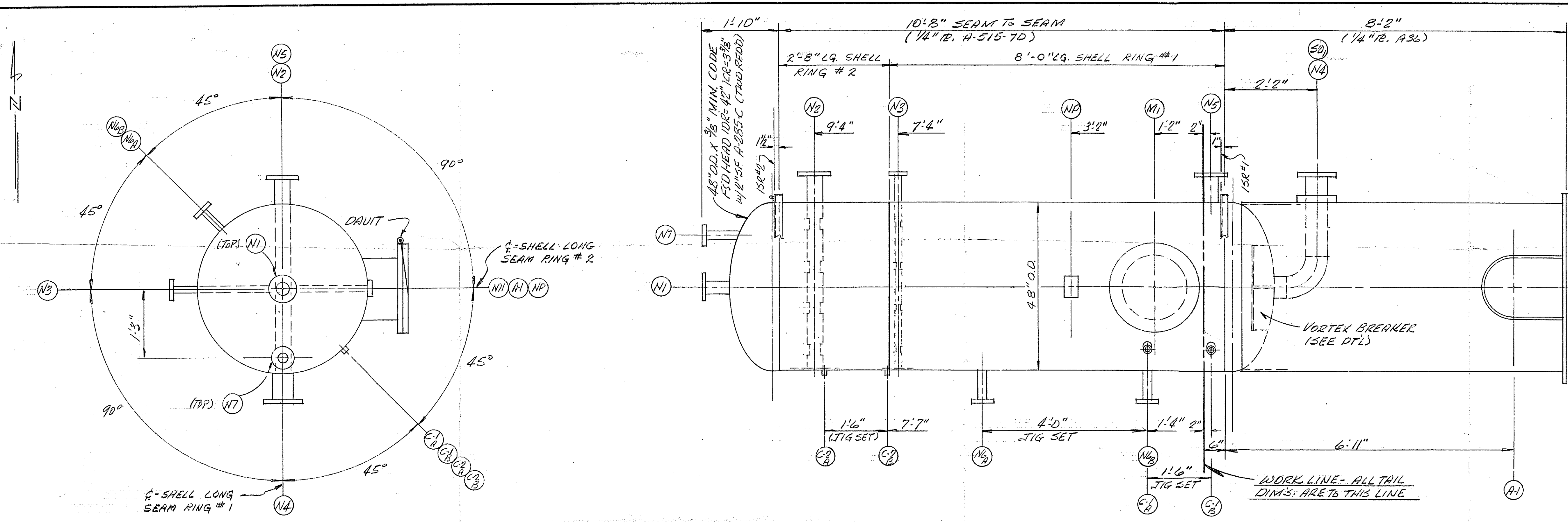




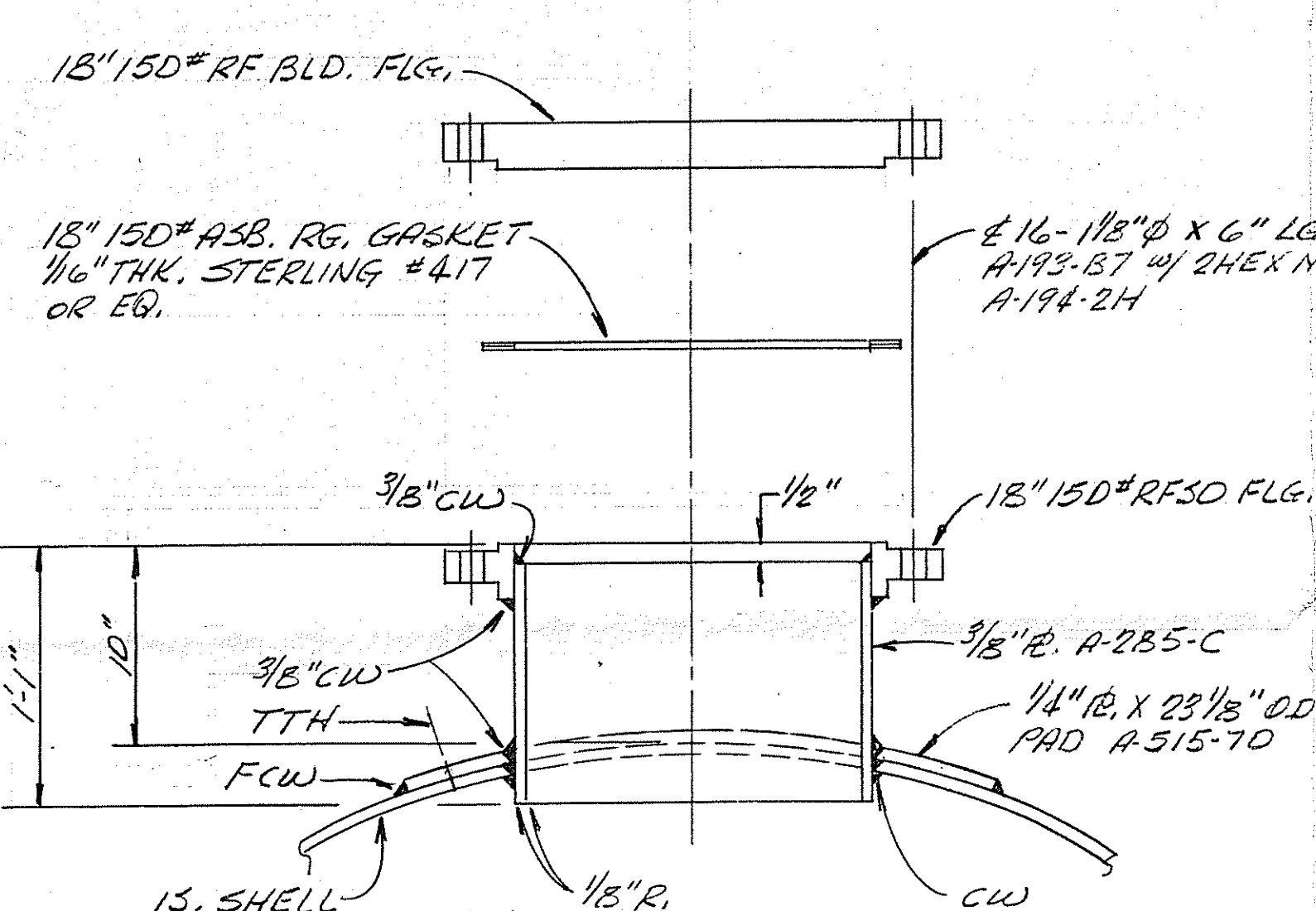
DESIGN DATA

CODE	ASME STAMPED SECT. VIII '68 ED. (DIV. 1)
DESIGN PRESSURE	75 PSIG
DESIGN TEMPERATURE	650 °F
CORROSION ALLOWANCE	NONE
X-RAY	SPOT
P.W.H.T.	N/D
MAX. ALLOW. STRESS	HEADS 15000 SHELL 15000
JOINT EFFICIENCY	HEADS 100% SHELL 85%
NAME PLATE STAMPING	
M.A.W.P.	120 P.S.I.G. @ 650 °F (LIMITED BY FLG. 5)
HYDROSTATIC TEST	
M.A.W.P. NEW & COLD	P.S.I.G. LIMITED BY
TEST PRESSURE	180 P.S.I.G.
WATER GALLONS	1102
ESTIMATED SHIPPING WEIGHT	4736 #
EST. WT. FULL H ₂ O	13,706 #

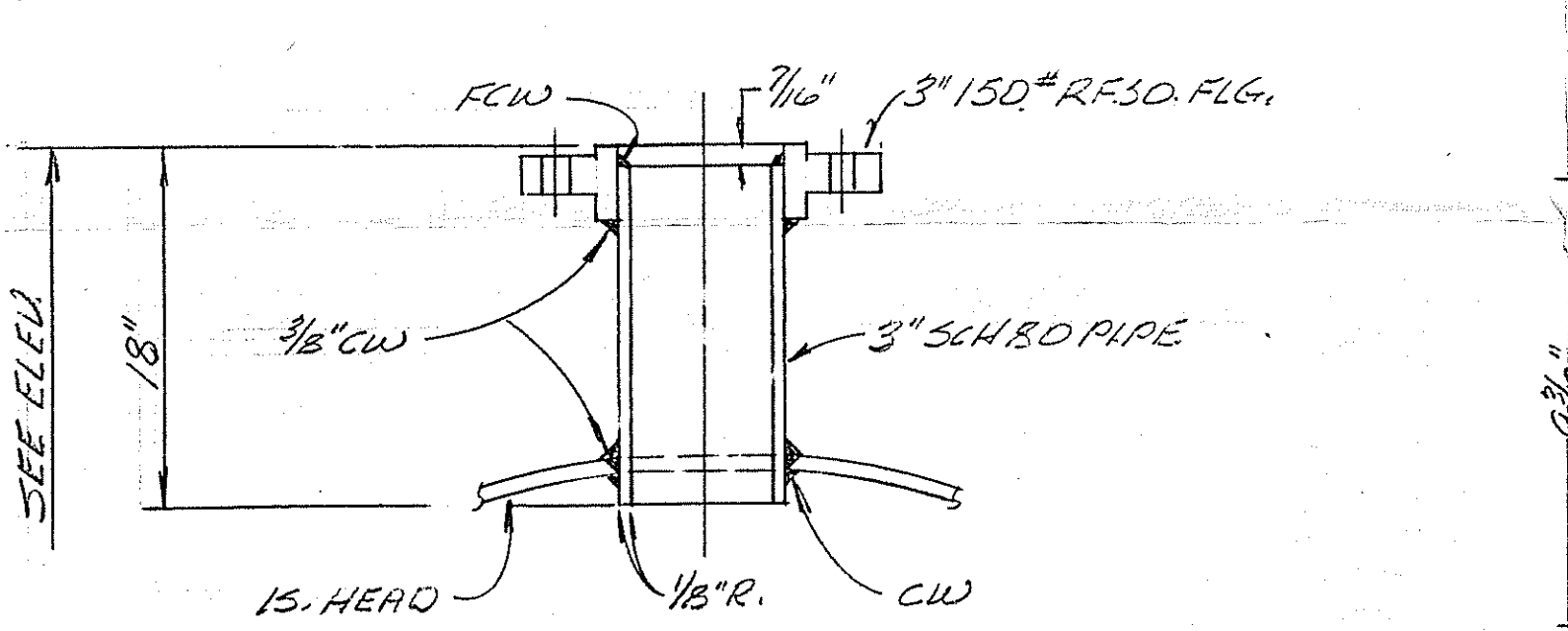
MATERIAL

A. HEADS	A-285-C
B. SHELL	A-515-7D
C. SUPPORTS	A-36
D. PIPE	A-106-B SMLS
E. FLANGES	A-181-F
F. COUPLINGS	A-105-II
G. REINFORCEMENT	A-515-7D
H. PRESSURE BOLTING	A-193-B7 w/A-194-2H

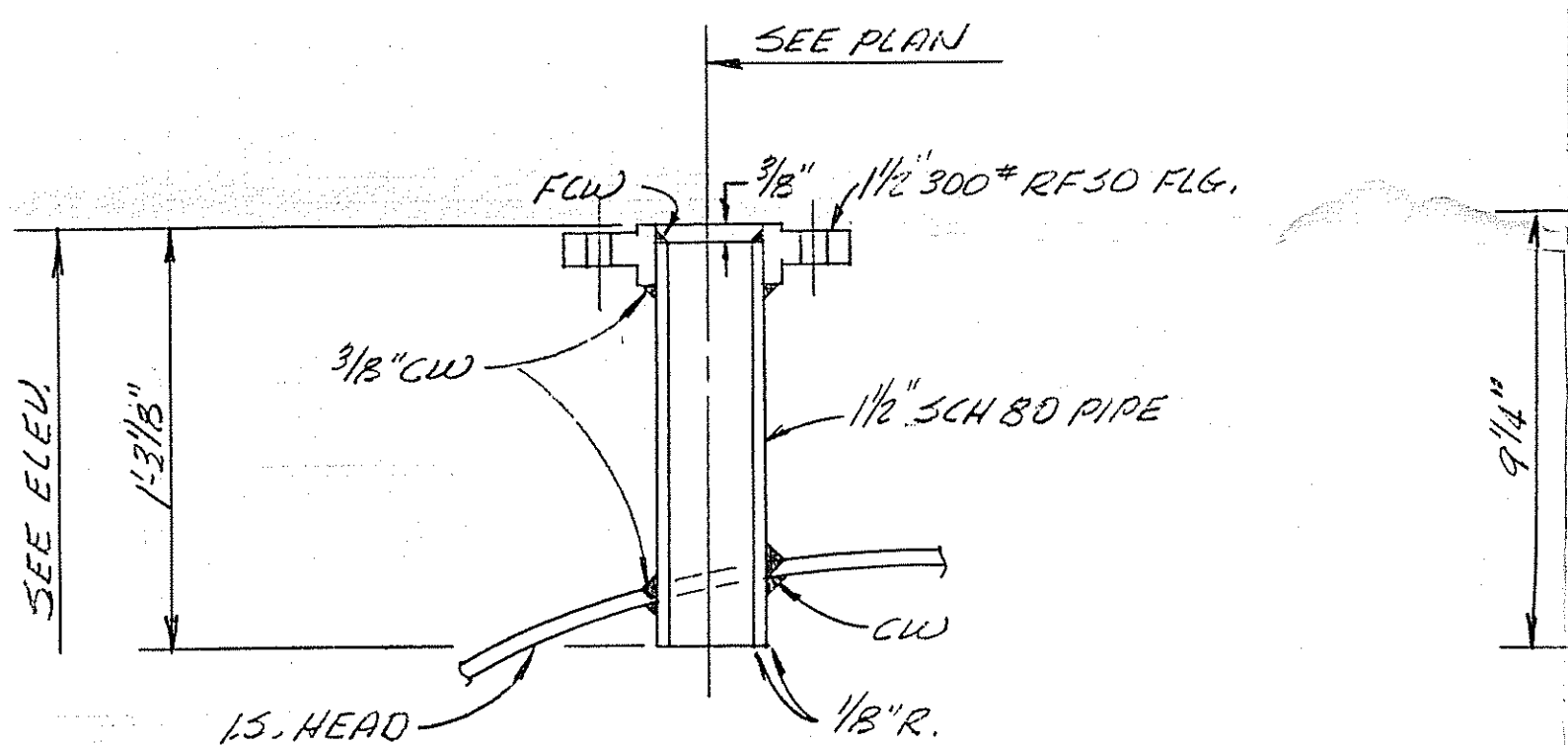
- SHOP NOTES**
- ALL BOLT HOLES STRADDLE NORMAL VESSEL CENTER LINES, EXCEPT WHERE NOTED.
 - INSIDE OF ALL VESSELS SHALL BE FREE OF ALL WELD SPATTER, GRIT, SLAG, ETC. BEFORE SHIPMENT.
 - FINISH INTERNAL - NONE
 - FINISH EXTERNAL - NONE



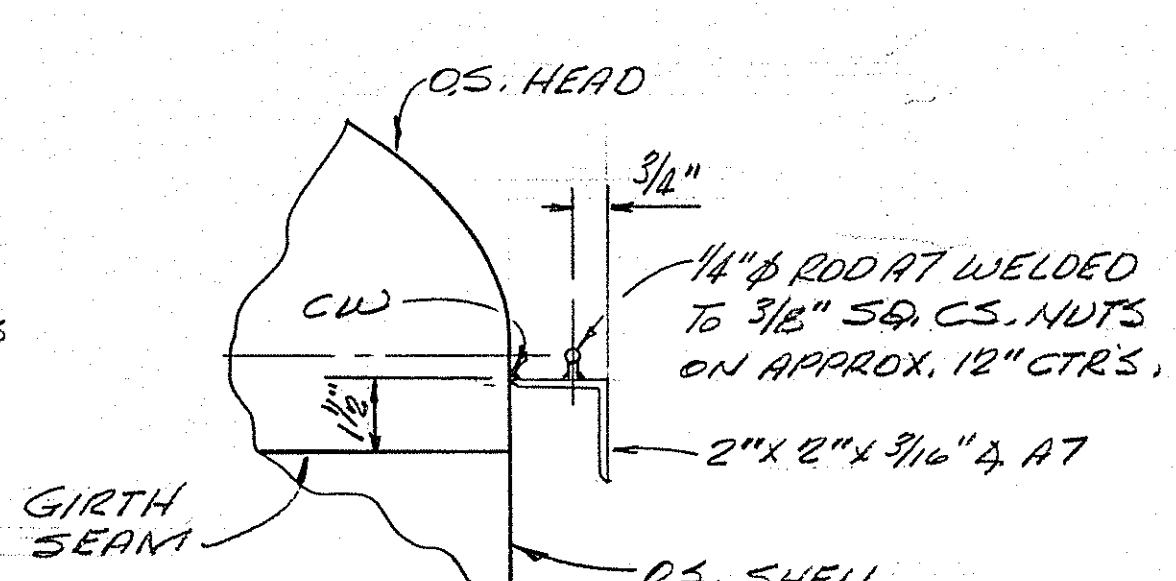
DETAIL 18" 150# MANWAY
ONE REQ'D. MK "MI"



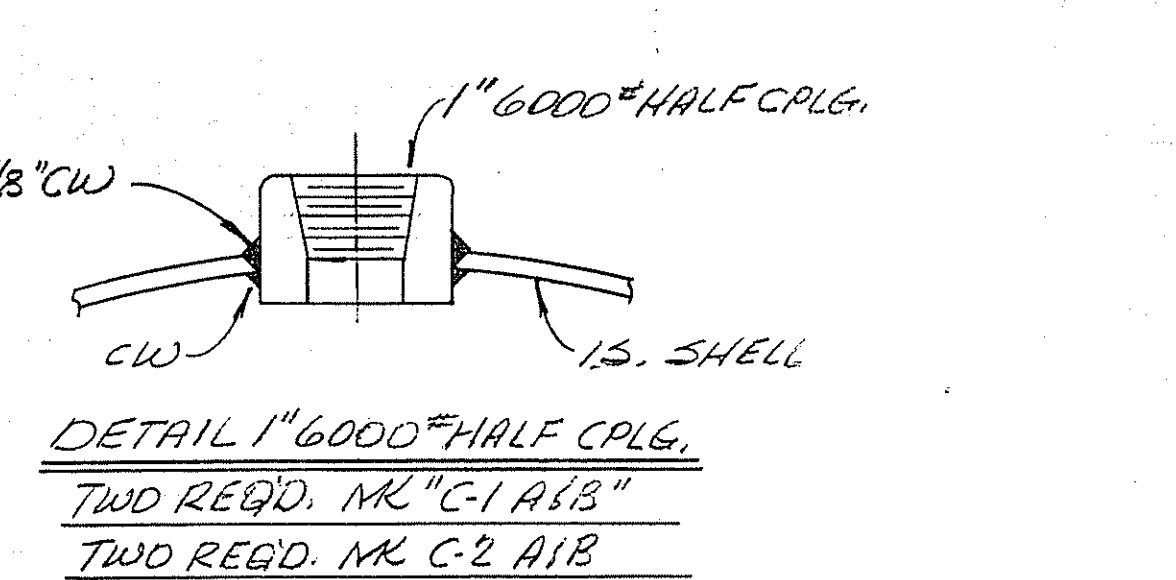
DETAIL 3" 150# NOZZLE
ONE REQ'D. MK "NI"



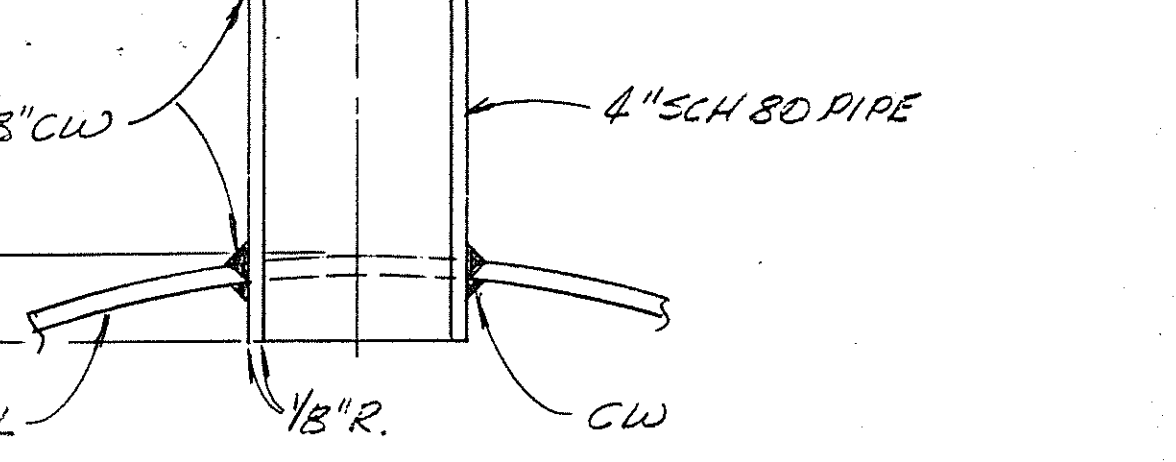
DETAIL 1/2" 300# NOZZLE
ONE REQ'D. MK "NT"



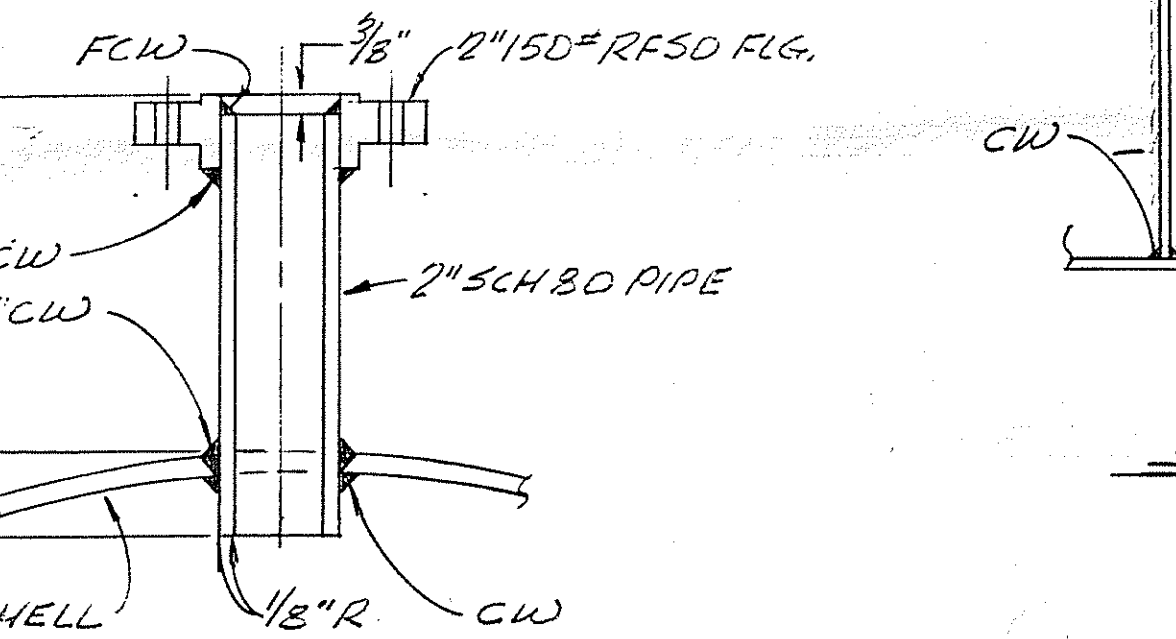
DETAIL INSUL. RING
ONE REQ'D. MK 15R#2



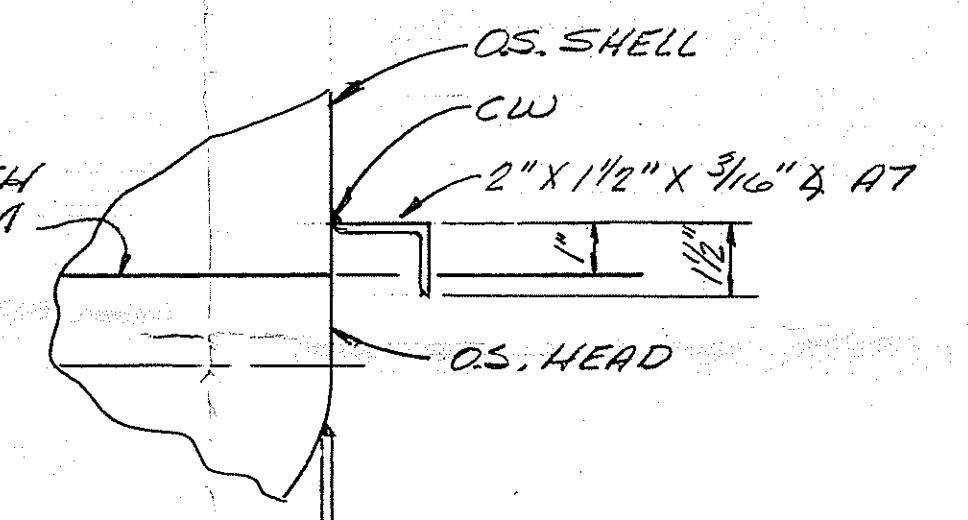
DETAIL 1" 6000# HALF CPG.
TWO REQ'D. MK "C-1 A13"
TWO REQ'D. MK "C-2 A1B"



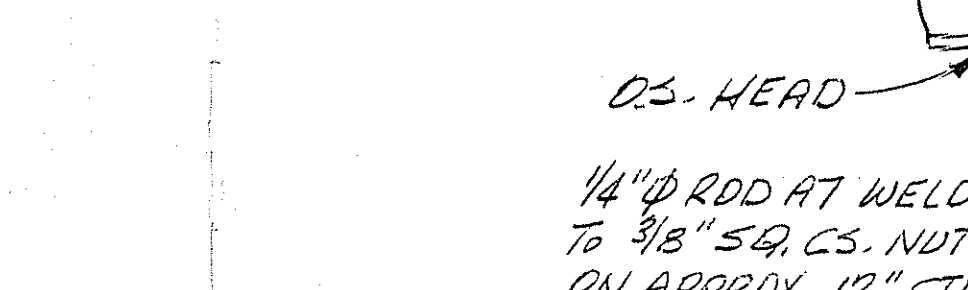
DETAIL 4" 150# NOZZLE
ONE REQ'D. MK "NS"



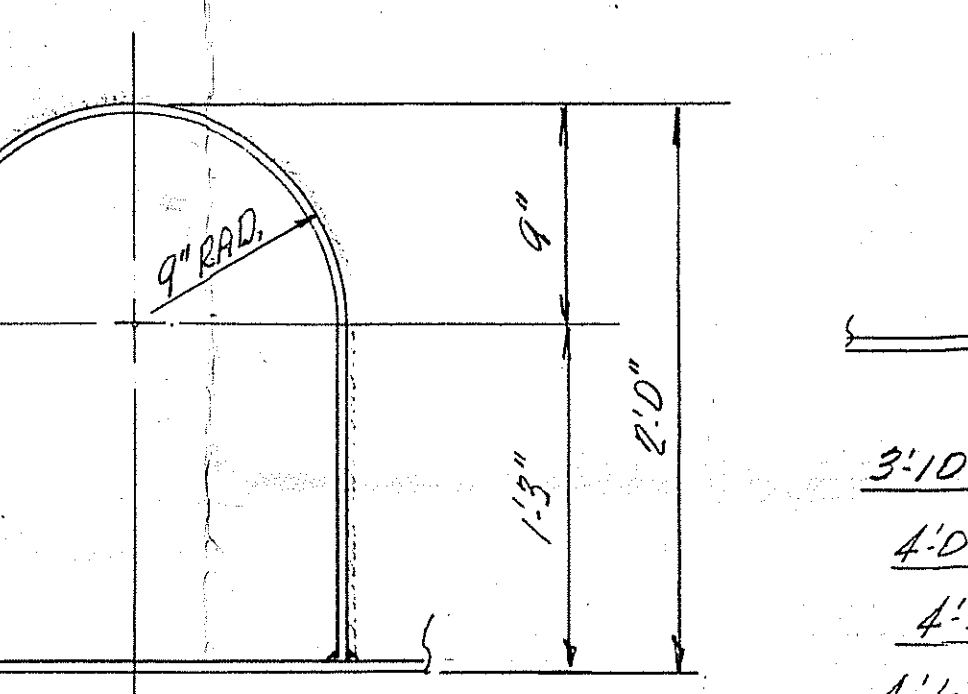
DETAIL 2" 150# NOZZLE
TWO REQ'D. MK "NB A13"



DETAIL INSUL. RING
ONE REQ'D. MK 15R#1

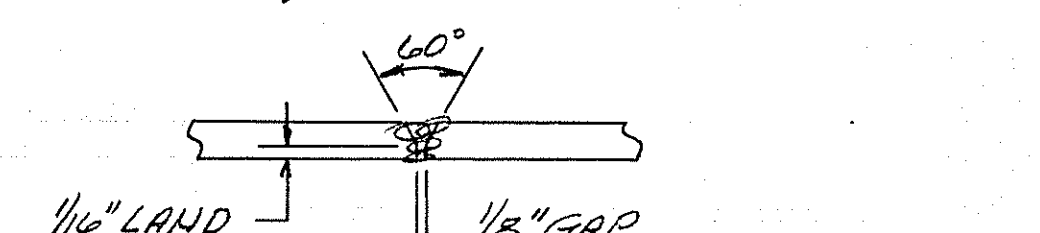


DETAIL SKIRT & BASE



SECTION "A-A"

CLEAN O.S. TO SOUND METAL & COMP. WELDING W/ AUTOMATIC - LINCOLN L-61 WIRE & 780 FLUX



DEPOSIT 1ST PASS FROM O.S. W/ SHORT-ARC
DEPOSIT 2ND PASS FROM I.S. W/ AWS E-7018 MANUAL

TYPICAL LONG & GIRTH SEAM DTL.

SHOP NOTE:
ALL NOZZLE WELDS AS FOLLOWS:
ROOT PASS - AWS E-7018
FILLER - AWS E-7020 JET 2HT
CAP - AWS E-7024 JET 1

FEB 20 1970

CERTIFIED
FINAL DRAWINGS
Mc Iver & Smith Fab. Inc.

NO	ONE	SIZE	RATE	TYPE	PROJ.	NECK	PAD	SERVICE
A1	ONE	18"		BANDED	2"	1/4" R.		ACCESS
SD	ONE	10"		BANDED	2"	SCH 40		SKIRT DRNG. & NOZZLE N/A
C1	TWO	1"	6000#	HALF CPG.				L.S. HIGH
C2	TWO	1"	6000#	HALF CPG.				L.S. LOW
N7	ONE	1 1/2"	300#	RFSD	SEE ELEV.	SCH 80		RELIEF
N8	TWO	2"	150#	RFSD	8"	SCH 80		L.G. - LC.
N5	ONE	4"	150#	RFSD	8"	SCH 80		BY PASS
N4	ONE	6"	150#	RFSD	8"	SCH 80		PUMP SUCTION
N3	ONE	1 1/2"	150#	RFSD	8"	SCH 80		300# COND. RETURN
N2	ONE	4"	150#	RFSD	8"	SCH 80		40" COND. RETURN
N1	ONE	3"	150#	RFSD	SEE ELEV.	SCH 80		P.C.V.
M1	ONE	18"	150#	RFSD	10"	3/8" R.	1/4" X 23 1/2" Ø	MANWAY w/ BLD FLG. & DRUIT
MK	REQ'D.	SIZE	RATE	TYPE	PROJ.	NECK	PAD	SERVICE

SCHEDULE OF OPENINGS

Mc IVER & SMITH FAB. INC.
DESIGN ENGINEERS
CUSTOM FABRICATORS
PRESSURE VESSELS
P. O. BOX 7305 HOUSTON, TEXAS 77008

48" O.D. X 10'-8" SEAM TO SEAM
CONDENSATE RECEIVER
TANK PG-7121-32-95-11
POLYARADYLENE PLANT TRAIN
TIL III ADAMS TERMINAL
PASADENA, TEXAS
CUSTOMER:
PHILLIPS PETROLEUM Co.
P. O. No. A-726753

REF. DWG'S.
M15C, ~D-70-14009
DAUIT ~D-64-10-128D
ENGINEERING DATA
FILE COPY
No. REQ'D. ONE DWG. No. D 70-1-100B

DESIGNED
DRAWN H. 1-18-70
CHECKED J. 1-23-70
APPROVED
SCALE
SFO 9966