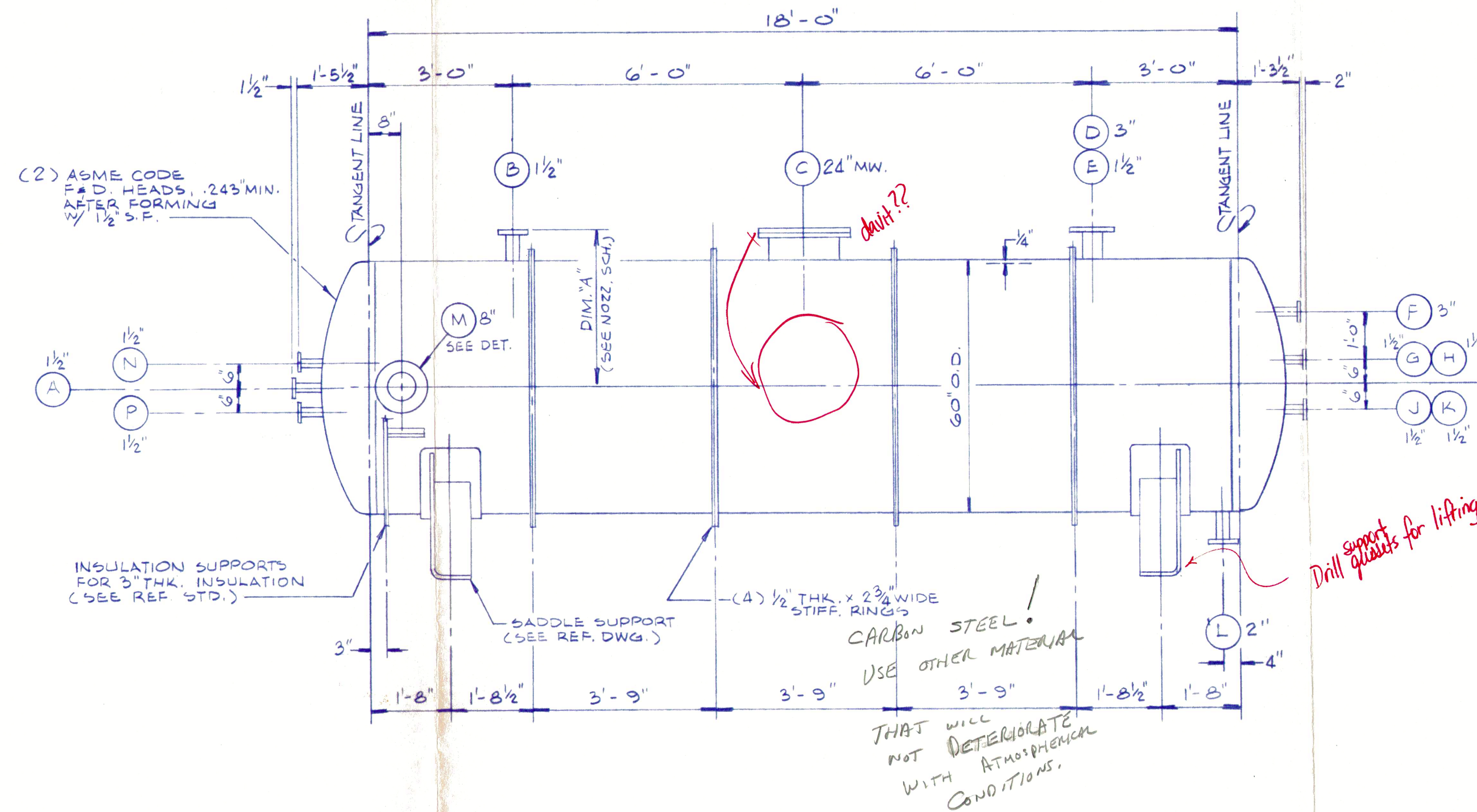




<u>WEIGHTS OF VESSEL</u>	
EMPTY _____	? LBS.
OPERATING _____	? LBS.
TEST, FULL OF WATER _____	? LBS.
<u>CAPACITY</u>	? GALS

GENERAL NOTES


 BUILT BY
 MFR. SER.
 ITEM ? P.O.
 W.O. WT. #
 PROP. ? DATE
 MAX. ALL. WK. PRESS. 50 PSI AT 572 F
 FULL VACUUM AT 212°F
 MIN. ALL. WK. T. 30°F AT 50 PSI

A REASONABLE FACSIMILE OF ABOVE
NAMEPLATE AND INCLUDED DATA IS TO
APPEAR ON MANUFACTURER'S DWG.

UCC DESIGN AND CONSTRUCTION SPEC.:
COP-1 - FEB. 82

ALSO SEE REFERENCE SPECIFICATIONS AND
DRAWINGS.

ASME CODE INSPECTION AND STAMP REQ'D.
NATIONAL BOARD REGISTRATION REQ'D.

CORROSION ALLOWANCE: 1/16"
MAXIMUM SPECIFIC GRAVITY: 1.0

NONDESTRUCTIVE EXAMINATION:
PRESSURE RESISTING WELDS: SEE

WELDED PRESSURE JOINT REQUIREMENTS.
POSTWELD HEAT TREATMENT: NOT REQ'D.

HYDROSTATIC TESTS:
HORIZONTAL (AT 1/2 OF VESSEL) 120 PSIG
VERTICAL (AT TOP OF VESSEL) - PSIG

FUTURE (CORRODED) AT TOP OF VESSEL PSIG

MATERIALS: *

NOZZLES:
FORGINGS: SA-105

PIPE: SB - 622, ALLOY G
WELD FITTINGS: —

PLATE: SB-582, ALLOY G
STUDDING OUTLETS: —

COUPLINGS & PLUGS: —
SPARGERS:
FLANGE: 5B-582, ALLOY C

PIPE: 5B-622, ALLOY C

SKIRT VESSEL SUPPORTS:
SKIRT: —

BASE RINGS: _____
MECH TUBING: _____

GUSSETS: _____
LEG VESSEL SUPPORTS: _____

CHANNEL: _____
CLIPS: _____
BASE PLATE: _____

SADDLE WEAR PLATE: SB-582, ALLOY C

WEB PLATE & GUSSETS: SA-516, GR. 70
BASE PLATE: SA-516, GR. 70

LUG VESSEL SUPPORTS: _____
LUG: _____

BACK-UP PAD: _____
PRESSURE FLANGE BOLTING: _____

BAFFLE: —
BOLTING: SA-193 GR. B7

EXTERNAL STIFFENING RINGS: SA-S16, GR.70
EXTERNAL LUGS: —

INTERNAL LUGS: —

TRAY & SEAL PAN SUPPORTS & DOWNCOMER

NOZZLE AND SKIRT OPENING SCHEDULE

ALL NOZZLE FLANGES AND BLIND FLANGES SHALL BE ANSI CLASS 150 #
EXCEPT AS NOTED. WHEN BLIND FLANGE IS SPECIFIED, THE JOINT
SHALL BE COMPLETE WITH BOLTS, NUTS AND GASKET.

FLANGE TYPE AND FACING: LAP JOINT

GASKET SURFACE FINISH: MANUFACTURERS STANDARD

REINFORCING AREA AND NECK THICKNESSES SHOWN ARE BASED ON USE OF
PIPE NOZZLE NECKS EXCEPT AS NOTED. OTHER NECK THICKNESSES
OR TYPES OF NOZZLES PERMITTED BY THE TABLE OF "WELDED PRESSURE
JOINT REQUIREMENTS" MAY BE USED PROVIDED ADEQUATE REINFORCEMENT
IS SUPPLIED.

MARK	NOM. SIZE	THICKNESS	REINF AREA REQ'D (1)	DIM. "A" (2)	REMARKS
(A)	1 1/2"	.281"	_____		
(B) (E)	1 1/2"	.281"	_____		
(C)	2 1/4"	.25 "	2.5 ^(M)		MANWAY (SEE REF. STD.)
(D)	3"	.300"	_____		
(F)	3"	.300"	_____		
(G) (H) (J) (K)	1 1/2"	.281"	_____		
(L)	2"	.218"	_____		
(M)	8"	.25 "	1.0 ^(M)		W/6" SPARGER (SEE DETAIL)

(1) REINFORCING PADS ARE TO HAVE TELL-TALE HOLES. ONE 1/4" MAX.
PIPE TAP HOLE IS REQUIRED FOR EACH PAD SEGMENT. TEST WITH
25 PSIG AIR AND SOAP SUDS. PLUG HOLE AFTER TEST WITH A
NONHARDENING MATERIAL.

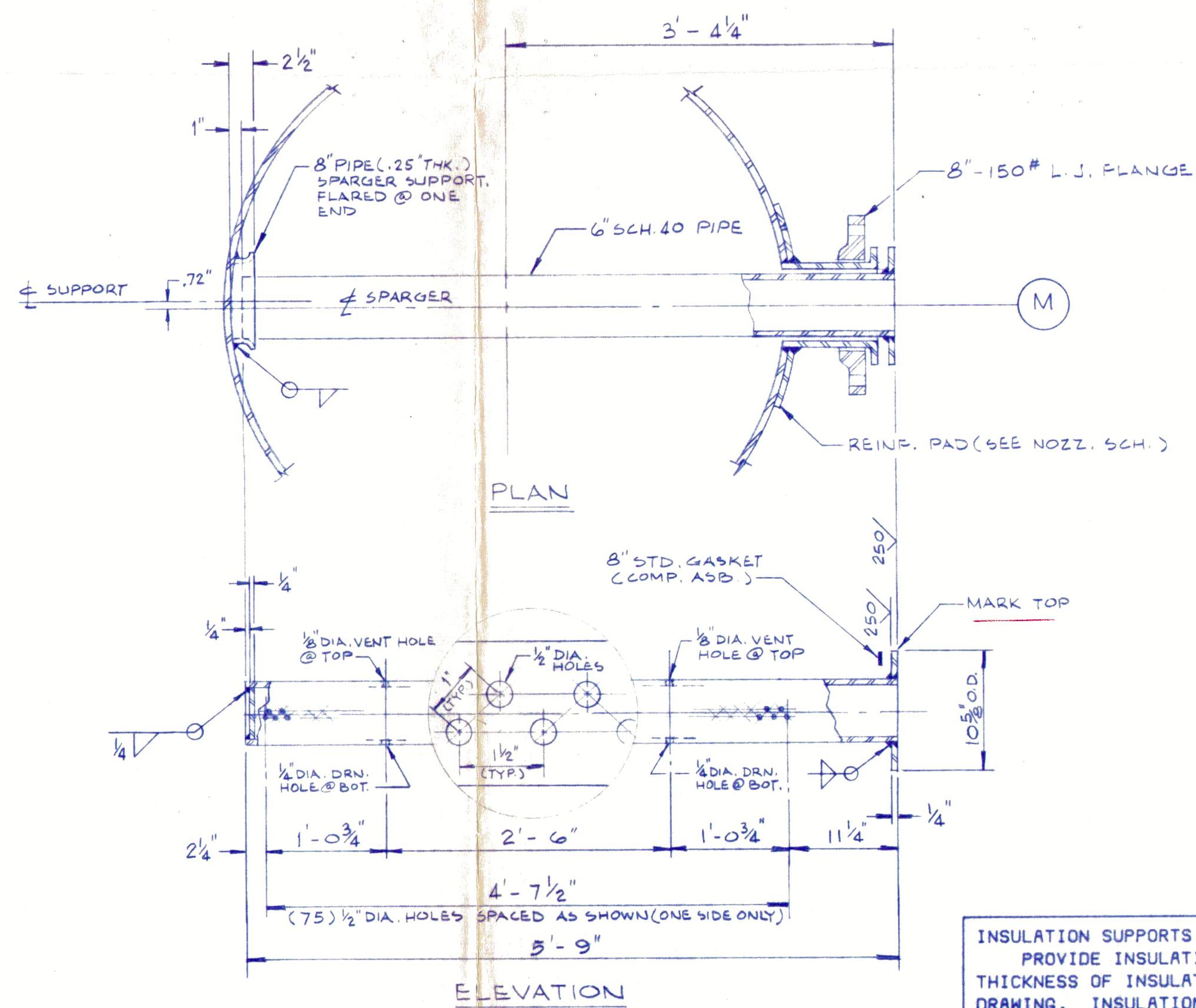
(2) DIMENSION "A" (≠ VESSEL TO FACE OF FLANGE) MUST ALSO BE
SHOWN ON FABRICATOR'S DRAWINGS.

SHOP AND FIELD NOTE:

SUBSTANCES (e. g., COATINGS TO PREVENT ADHESION OF WELD SPATTER) CONTAINING CHLORINE OR WHICH WILL DECOMPOSE TO HYDROGEN CHLORIDE SHALL NOT BE APPLIED TO ANY MATERIAL OF CONSTRUCTION. THE VESSEL FABRICATOR SHALL ALSO INCLUDE THIS NOTE IN A CONSPICUOUS PLACE ON THE CERTIFIED VESSEL DRAWING.

SHOP AND FIELD NOTE:

ZINC-COATED (GALVANIZED OR PAINTED) COMPONENTS SHALL NOT BE WELDED TO ALLOY PARTS OF THE VESSEL. THE VESSEL FABRICATOR SHALL ALSO INCLUDE THIS NOTE IN A CONSPICUOUS PLACE ON THE CERTIFIED VESSEL DRAWING.

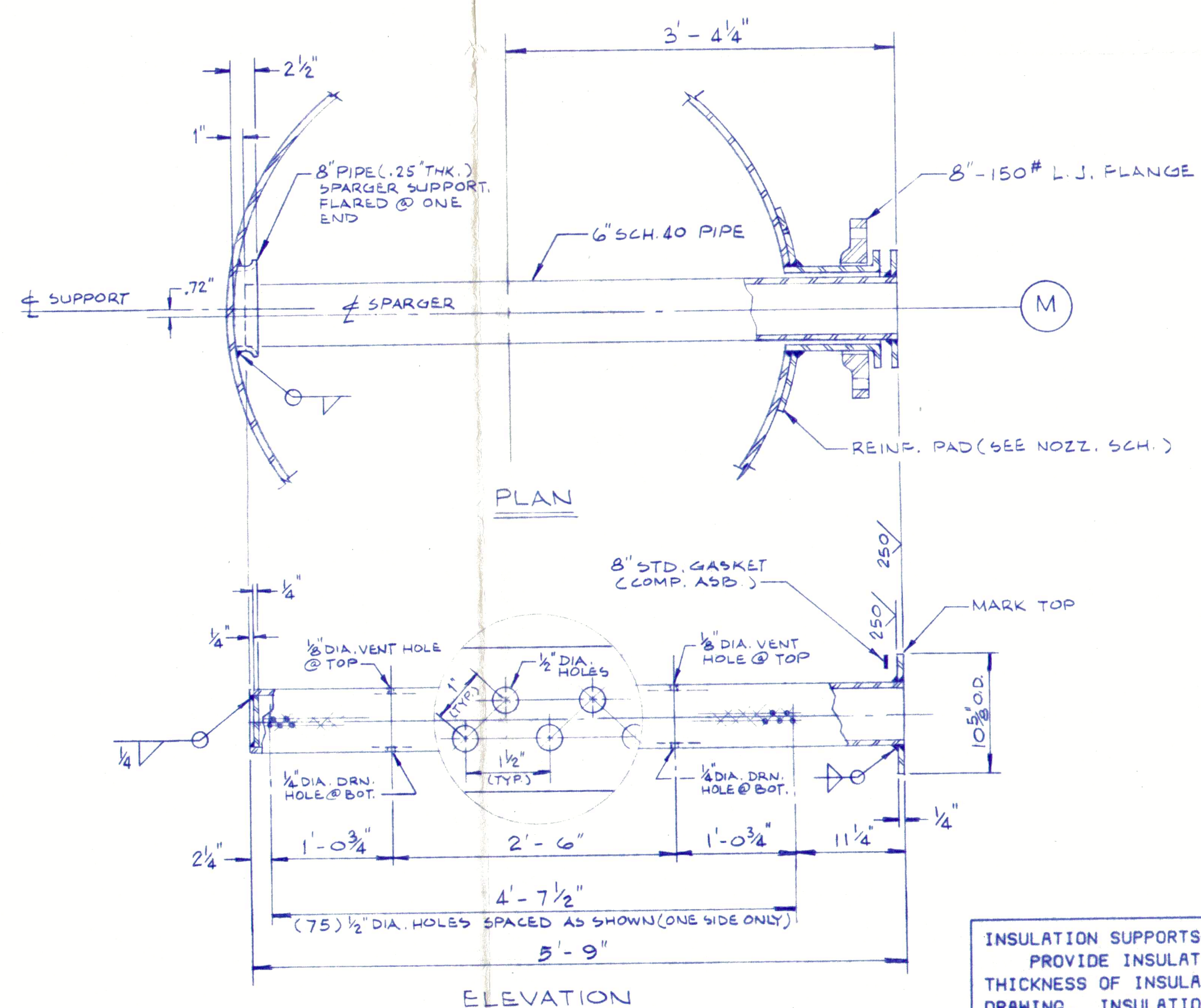
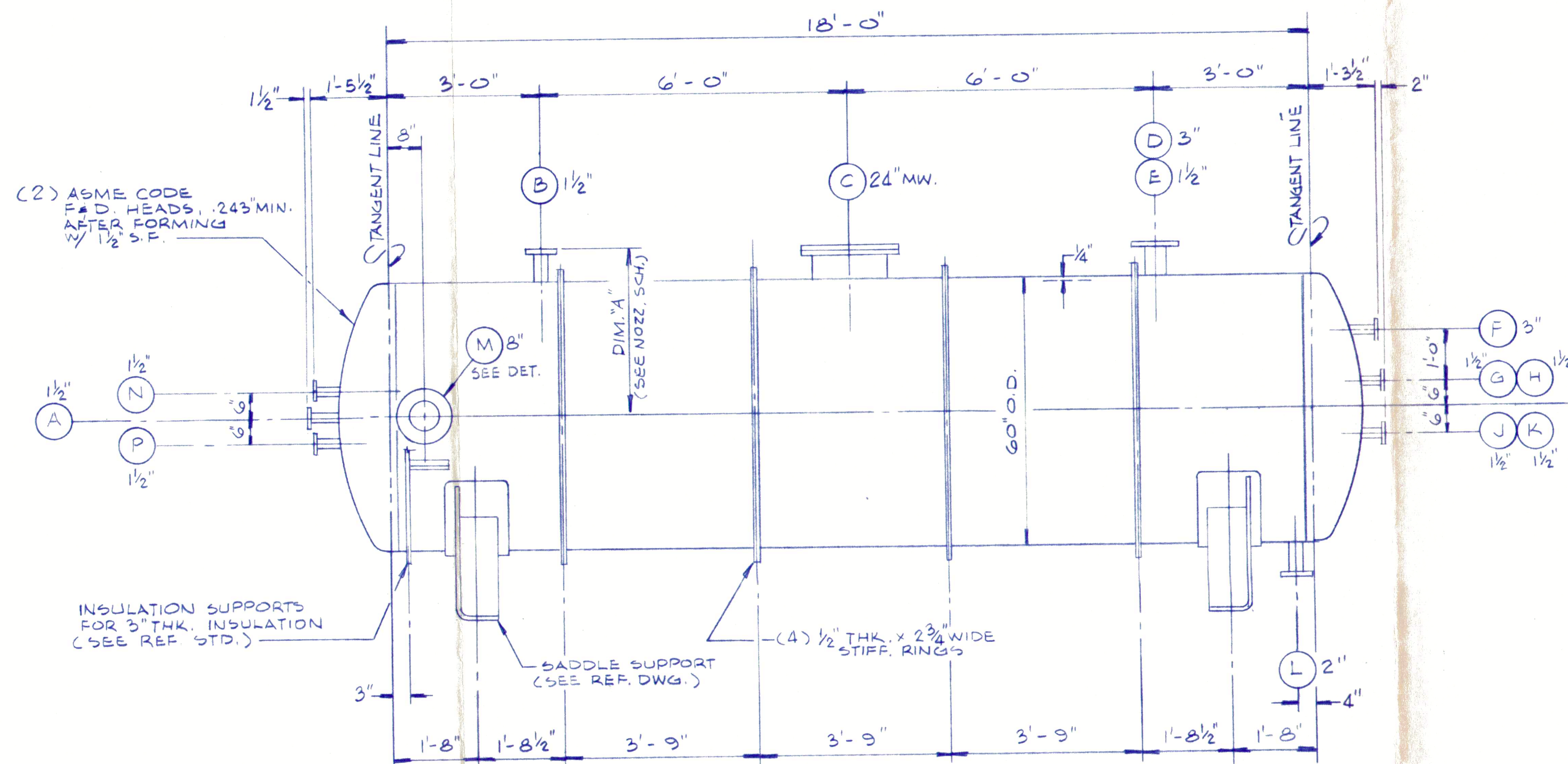


INSULATION SUPPORTS:
 PROVIDE INSULATION SUPPORTS FOR 3" TOTAL NOMINAL
 THICKNESS OF INSULATION IN ACCORDANCE WITH REFERENCE
 DRAWING. INSULATION WILL BE PROVIDED BY OTHERS.

OUT - OF - ROUNDNESS PERMISSIBLE TOLERANCE FOR EXTERNAL
PRESSURE PER ASME CODE SECTION VIII DIV. 1 PAR. UG-80 (B) (2)
WITHIN A CHORD LENGTH OF

WORK ORDER	2ND NO. ACC.T	DRAWN BY	CHECKED BY	APPROVED BY	DATE	SCALE
EQV. 42870		NY 5-4-82				NONE
ENGINEERING DEPARTMENT UNION CARBIDE CORPORATION						
REVIEW	JOB NUMBER		UNIT SYMBOL		ZONE	AREA
BIDS						
PURCHASE	60" O.D. VESSEL					
FABRICATION	ITEM NR PBW2-C-3530					
CONST./ERECTION	INDEX NUMBER		(4)	DWG. NO.		REV.
	LOCATION	SITE	SUB/SECT	1186567		

ISSUED FOR INSULATION ONLY.
TRANS. NO. 4-PBU2C-54



DETAIL OF SPARGER & SUPPORT

INSULATION SUPPORTS:
PROVIDE INSULATION SUPPORTS FOR 3" TOTAL NOMINAL THICKNESS OF INSULATION IN ACCORDANCE WITH REFERENCE DRAWING. INSULATION WILL BE PROVIDED BY OTHERS.

OUT - OF - ROUNDNESS PERMISSIBLE TOLERANCE FOR EXTERNAL PRESSURE PER ASME CODE SECTION VIII DIV. 1 PAR. UG-80 (B) (2) WITHIN A CHORD LENGTH OF _____

SHOP AND FIELD NOTE:
SUBSTANCES (e.g., COATINGS TO PREVENT ADHESION OF WELD SPATTER) CONTAINING CHLORINE OR WHICH WILL DECOMPOSE TO HYDROGEN CHLORIDE SHALL NOT BE APPLIED TO ANY MATERIAL OF CONSTRUCTION. THE VESSEL FABRICATOR SHALL ALSO INCLUDE THIS NOTE IN A CONSPICUOUS PLACE ON THE CERTIFIED VESSEL DRAWING.

SHOP AND FIELD NOTE:
ZINC-COATED (GALVANIZED OR PAINTED) COMPONENTS SHALL NOT BE WELDED TO ALLOY PARTS OF THE VESSEL. THE VESSEL FABRICATOR SHALL ALSO INCLUDE THIS NOTE IN A CONSPICUOUS PLACE ON THE CERTIFIED VESSEL DRAWING.

NOZZLE AND SKIRT OPENING SCHEDULE					
ALL NOZZLE FLANGES AND BLIND FLANGES SHALL BE ANSI CLASS 150 # EXCEPT AS NOTED. WHEN BLIND FLANGE IS SPECIFIED, THE JOINT SHALL BE COMPLETE WITH BOLTS, NUTS AND GASKET.					
FLANGE TYPE AND FACING: LAP JOINT					
GASKET SURFACE FINISH: MANUFACTURER'S STANDARD					
REINFORCING AREA AND NECK THICKNESSES SHOWN ARE BASED ON USE OF PIPE NOZZLE NECKS EXCEPT AS NOTED. OTHER NECK THICKNESSES OR TYPES OF NOZZLES PERMITTED BY THE TABLE OF "WELDED PRESSURE JOINT REQUIREMENTS" MAY BE USED PROVIDED ADEQUATE REINFORCEMENT IS SUPPLIED.					
MARK	NOM. SIZE	THICKNESS	REINF. AREA REQ'D (1)	DIM. "A" (2)	REMARKS
A	1 1/2"	.281"			
B E	1 1/2"	.281"			
C	24"	.25"	2.5		MANWAY (SEE REF. STD.)
D	3"	.300"			
E	3"	.300"			
G H J K	1 1/2"	.281"			
L	2"	.218"			
M	8"	.25"	1.0		W/6" SPARGER (SEE DETAIL)

- REINFORCING PADS ARE TO HAVE TELL-TALE HOLES. ONE 1/4" MAX. PIPE TAP HOLE IS REQUIRED FOR EACH PAD SEGMENT. TEST WITH 25 PSIG AIR AND SOAP SUDS. PLUG HOLE AFTER TEST WITH A NONHARDENING MATERIAL.
- DIMENSION "A" (E VESSEL TO FACE OF FLANGE) MUST ALSO BE SHOWN ON FABRICATOR'S DRAWINGS.

FOR REVIEW AND COMMENT TO MAINTAIN SCHEDULE, RETURN COMMENTS BY _____ DATE _____ BY _____ RETURN TO: _____ 2000-

WEIGHTS OF VESSEL	
EMPTY	____ LBS.
OPERATING	____ LBS.
TEST, FULL OF WATER	____ LBS.

GENERAL NOTES

BUILT BY _____
MFR. SER. _____
ITEM _____ P.O. _____
W.O. _____ WT _____
PROP. _____ DATE _____
MAX. ALL. WK. PRESS. [50] PSI AT [572] F
FULL VACUUM AT 212 °F
MIN. ALL. WK. T. [30] F AT [50] PSI

A REASONABLE FACSIMILE OF ABOVE NAMEPLATE AND INCLUDED DATA IS TO APPEAR ON MANUFACTURER'S DWG.
UCC DESIGN AND CONSTRUCTION SPEC.: COP-1-FEB-82
ALSO SEE REFERENCE SPECIFICATIONS AND DRAWINGS.
ASME CODE INSPECTION AND STAMP REQ'D.
NATIONAL BOARD REGISTRATION REQ'D.
CORROSION ALLOWANCE: 1/16
MAXIMUM SPECIFIC GRAVITY: 1.0

NONDESTRUCTIVE EXAMINATION:
PRESSURE RESISTING WELDS: SEE WELDED PRESSURE JOINT REQUIREMENTS.
POSTWELD HEAT TREATMENT: NOT REQ'D.
HYDROSTATIC TESTS:
HORIZONTAL (AT E OF VESSEL): 120 PSIG
VERTICAL (AT TOP OF VESSEL): _____ PSIG
FUTURE (CORRODED) AT TOP OF VESSEL: 86 PSIG

MATERIALS: *
SHELL: SB-582, ALLOY G
HEAD: SB-582, ALLOY G
CONE: _____
REINF. PADS: SB-582, ALLOY G
SHELL FLANGE: _____
MANWAYS:
FLANGE & COVER PLATE: SA-516, GR.70
NECK: SB-582, ALLOY G
LAP & LINER: SB-582, ALLOY G
*ALLOY G-3 MAY BE USED IF REQUIREMENTS IN CODE CASE 1860-1 ARE MET

NOZZLES:
FORGINGS: SA-105
PIPE: SB-622, ALLOY G
WELD FITTINGS: _____
PLATE: SB-582, ALLOY G
STUDDING OUTLETS: _____
COUPLINGS & PLUGS: _____
SPARGERS:
FLANGE: SB-582, ALLOY G
PIPE: SB-622, ALLOY G
END PLATE: SB-582, ALLOY G
SKIRT VESSEL SUPPORTS:
SKIRT: _____
MECH TUBING: _____
BASE RINGS: _____
GUSSETS: _____
LEG VESSEL SUPPORTS:
CHANNEL: _____
CLIPS: _____
BASE PLATE: _____
SADDLE VESSEL SUPPORTS:
SADDLE WEAR PLATE: SB-582, ALLOY G
WEB PLATE & GUSSETS: SA-516, GR.70
BASE PLATE: SA-516, GR.70
LUG VESSEL SUPPORTS: _____
LUG: _____
BACK-UP PAD: _____
PRESSURE FLANGE BOLTING: _____
BAFFLE: _____
BOLTING: SA-193, GR. B7
EXTERNAL STIFFENING RINGS: SA-516, GR.70
EXTERNAL LUGS: _____
INTERNAL LUGS: _____
TRAY & SEAL PAN SUPPORTS & DOWNCOMER CLAMPING BARS: _____
LIFTING LUGS: _____
INSULATION SUPPORTS: SA-516, GR.70
GASKETS: _____

REFERENCE SPECIFICATIONS & DRAWINGS:
COP-1-FEB-82
INSULATION SUPPORT EQ-65
NAME PLATE MNTG. CLIP - EQ-15A
MANWAY - EQ-35, TYPE MS 24 EXCEPT FOR MTL. TO BE HASTELLOY G OR G-3 INSTEAD OF STAINLESS STL.
WELDED PRES. JOINT REQ'TS - 1186567-1
SADDLE SUPPORTS - 1186567-2

WORK ORDER	2ND NO. ACCT.	DRAWN BY	CHECKED BY	APPROVED BY	DATE	SCALE								
EON 42870		5-4-82				NONE								
ENGINEERING DEPARTMENT														
UNION CARBIDE CORPORATION														
REVIEW	JOB NUMBER	UNIT SYMBOL	ZONE	AREA										
BIDS														
PURCHASE														
FABRICATION														
CONST/ERECTION														
60" O.D. VESSEL														
ITEM N2 PBU2-C-3530														
INDEX NUMBER		(4)	DWG. NO.	REV.										
LOCATION	SITE	SUBJECT												
			1186567											