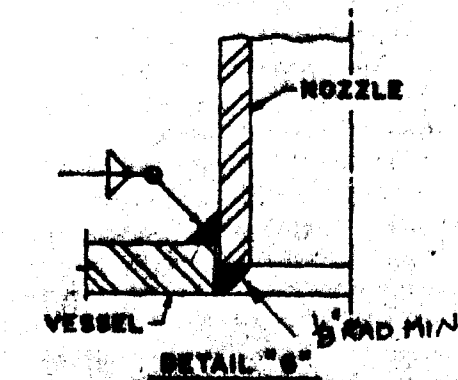
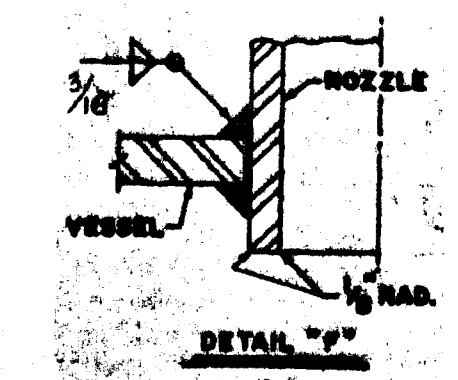
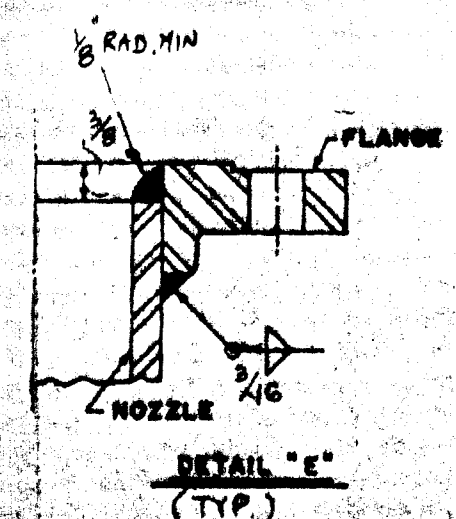
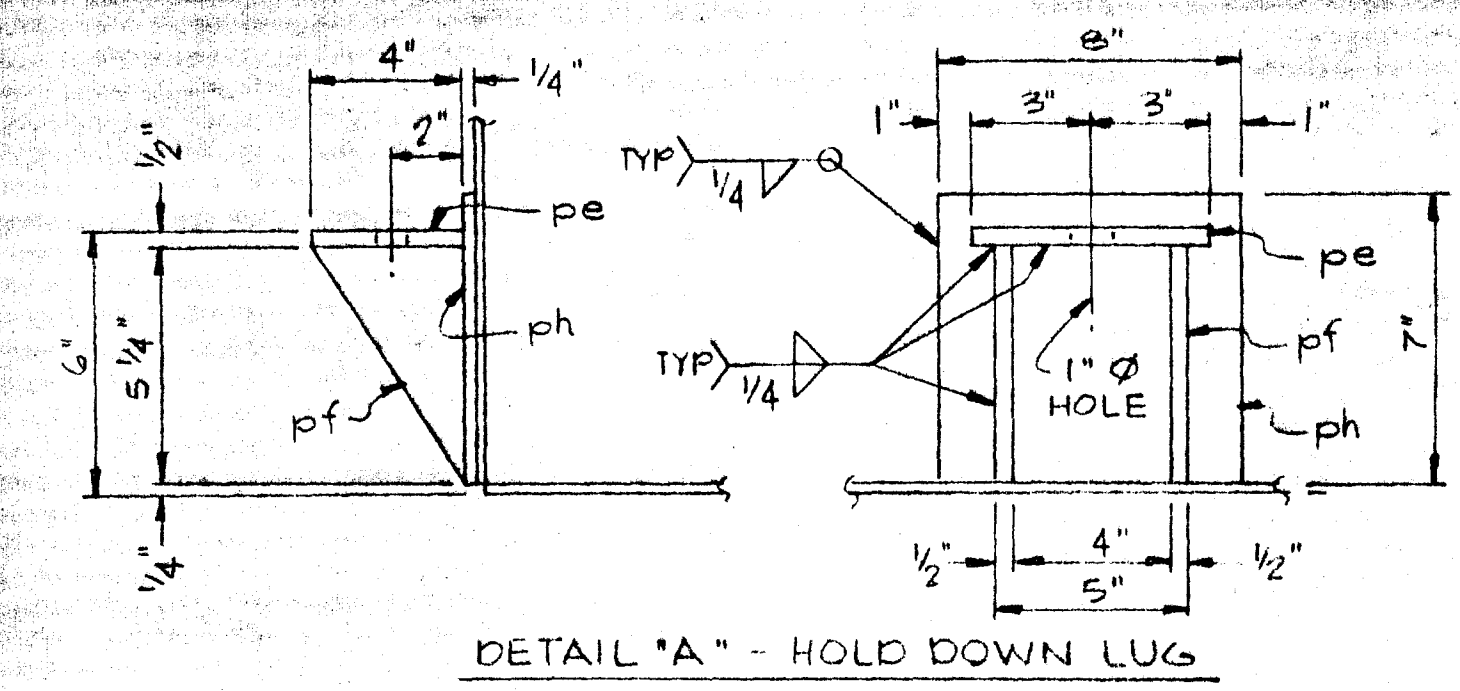
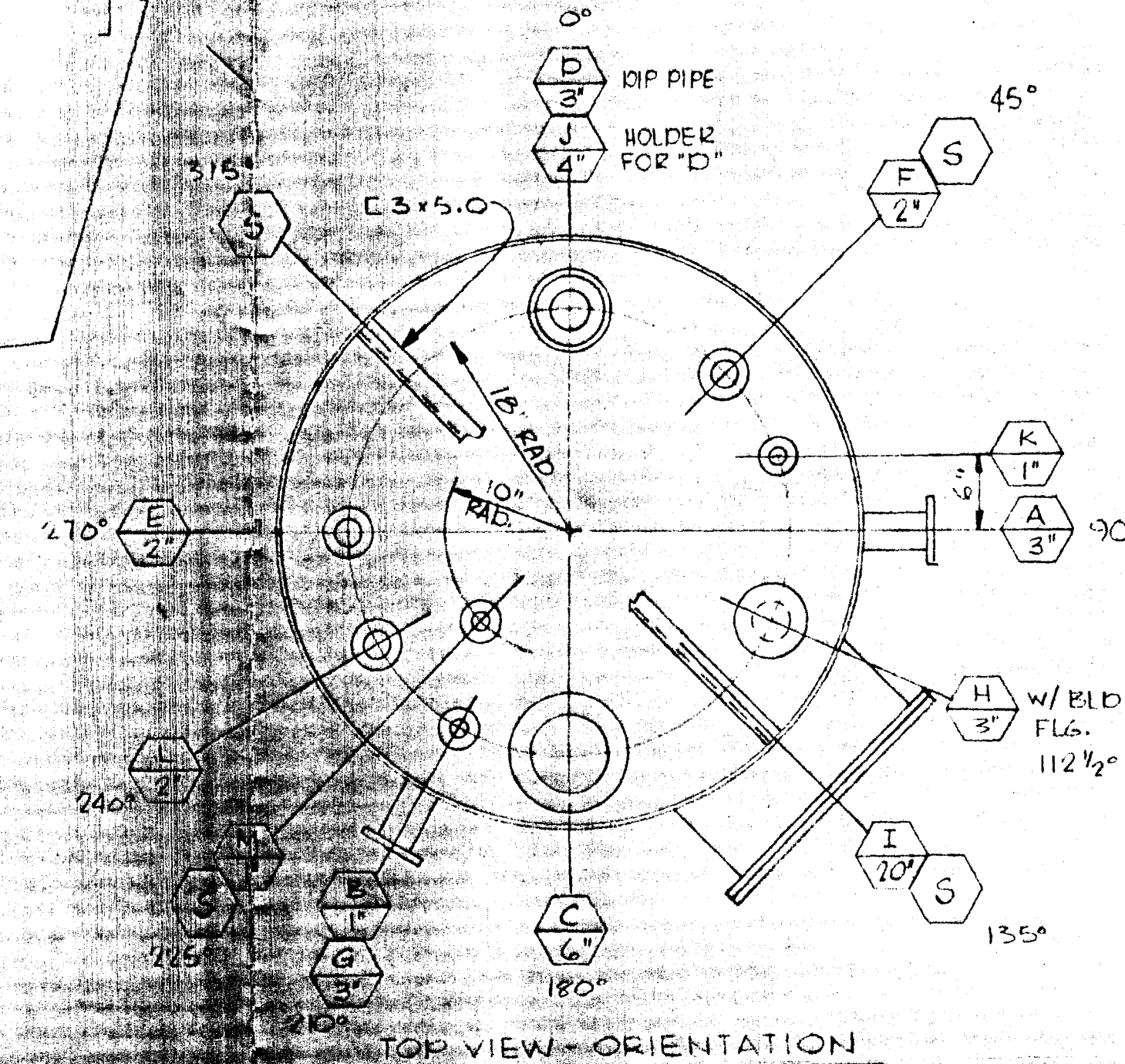
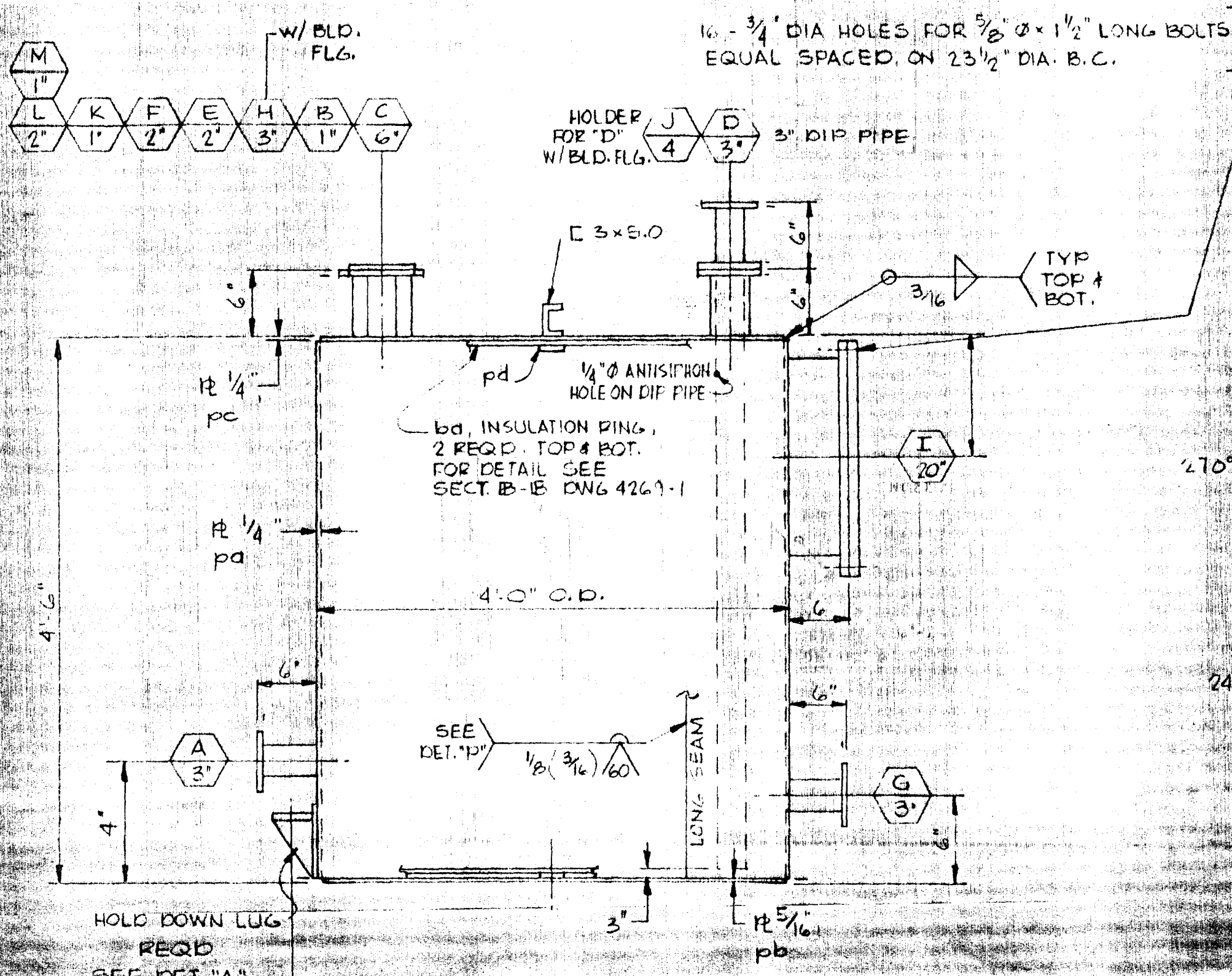




NOTES

- 1) ALL MATERIAL 316 STAINLESS STEEL UNLESS NOTED OTHERWISE
- 2) ALL CARBON STEEL PARTS WELDED TO STAINLESS STEEL WITH STAINLESS STEEL ELECTRODES ONLY (E 310 Mo)
- 3) ALL WELDING ASME QUALITY
- 4) ALL NOZZLES WITH CARBON STEEL FLANGE AND STAINLESS STEEL FACING TO BE MACHINED BEFORE INSTALLATION
- 5) ALL NOZZLE BOLT HOLES TO STAND VESSEL HORIZONTAL AND VERTICAL CENTERLINES
- 6) TANK TO BE AIR TESTED
- 7) EXTERIOR OF THE TANK TO BE SANDBLASTED AND PAINTED WITH 2 COATS OF AMERCOAT 90 PER MANUFACTURER'S RECOMMENDATION TO 8 MILS DFT TOTAL
- 8) DESIGN CONDITIONS: -4 H₂O/ATM. PRESS & TANK FULL OF WATER PLUS 8 FEET WATER HEAD
- 9) OPERATING CONDITIONS: ATMOSPHERIC @ 50° F
- 10) CORROSION ALLOWANCE: 1/16"
- 11) ALL GASKETS TEFLON ENVELOPE WITH COMPRESSED ASBESTOS FILLER (CARLOCK 8764 WITH 9026 FILLER OR EQUAL)
- 12) WELDING AND INTERIOR FINISHING TO BE PER "WELDING AND FABRICATION OF AUSTENITIC STAINLESS STEEL" SPECIFICATION FOR SINGMASTER AND BREYER/FMC DATED 7/25/80

NOZZLE SCHEDULE

NO.	SERVICE	SIZE	TYPE & RATING
A	PUMP SUCTION	3"	150# RFSO FLG
B	NITROGEN INLET	1"	150# RFSO FLG
C	EMERGENCY VENT	6"	150# RFSO FLG
D	HEPTANE-3" DIP PIPE	4"	150# RFSO FLG
E	VACUUM BREAKER	2"	150# RFSO FLG
F	PRESSURE RELIEF	2"	150# RFSO FLG
G	LEVEL	3"	150# RFSO FLG
H	SPARE	3"	150# RFSO FLG
I	MANWAY	20"	FAB. PLANGED
K	PUMP RECIRC.	1"	150# RFSO FLG
L	OVERFLOW	2"	150# RFSO FLG
M	LEVEL	1"	150# RFSO FLG

BILL OF MATERIAL

SHIPPING MARK	PC MARK	NO. PCS. REQD	MATERIAL	REMARKS	SEE DET.
	pa	1	PL 1/2 X 33 7/16 X 150		
	pb	1	PL 5/16 X 4 7/8 OD		
	pe	1	PL 1/2 X 4 7/8 OD		
	pd	16	PL 3/16 X 1 1/2 X 1 1/2		
	ba	2	F.B. 1 1/2 X 3/16 RING ROLLED H.W. TO 48 1/2 ID (CARBON STEEL)		
	pe	4	PL 1/2 X 4 X 6 (CARBON STEEL)		
	pf	8	PL 1/2 X 4 X 5 3/16 (CARBON STEEL)		
	ph	4	PL 1/2 X 7 X 8		
	pl	2	PL 1/2 X 4 X 12		
	ca	1	CHANNEL 3 X 5.0 X 4 7/8 (CARBON STEEL)		
	la	1	20" API SIDE TYPE MANHOLE WITH CARBON STEEL FLANGES LINED WITH 316 S.S.		
	Ca	1	6" 150# RFSO FLG (CARBON STEEL)		
	Cb	1	PL 3/16 X 8 1/2 OD X 6 3/4 ID (LINING)		
	Cc	1	6" SCH 40 X 5 7/8"		
	Aa, Ca, Da, Ha	4	3" 150# RFSO FLG		
	Ab, Ca, Ha	3	3" SCH 80 X 7"		
	Hb	1	3" 150# RF BLD FLG		
	Hc	1	3" NOM. DIA TEFLON ENVELOPE GASKET		
	Hd	4	5/8" DIA X 3" LONG BOLTS W/1 NUT EACH (CARBON STEEL)		
	Db	1	3" SCH 80 X 4' 2 3/16"		
	Dc	1	4" 150# RFSO FLG		
	Dd	1	4" 150# RF BLD FLG		
	De	1	4" NOM DIA TEFLON ENVELOPE GASKET		
	DE	8	5/8" DIA X 3" LONG BOLTS W/1 NUT EACH (CARBON STEEL)		
	Ea, Fa, La	1	2" 150# RFSO FLG		
	Ba, Ka, Ha	1	3" 150# RFSO FLG		
	Bb, Kb, Hb	1	1" SCH 100 X 5 7/8"		

#93690

MIDCO DESIGN DATA: DESIGN BY AS DATE 6-10-80
 CHECKED BY PHG DATE 6-11-80
 WELDING BY AS DATE 6-10-80
 APP'D. FOR FAB DATE

S&B P.O. NO: C454E-4003
 EMPTY WT: 1300 LBS CAPACITY: 400 GAL.

MIDLAND STEEL CORP. COLUMBIA, S. C. 28201			1-803-779-5540
1940 SHOP ROAD	APPROVED BY:	DRAWN BY PARQUE	
SCALE: 1" = 1'-0"	DATE: 6-11-80	REVISED 7-30-80	
WORK FOR: FMC CORP. BALTIMORE, MD.			
ITEM: HEPTANE REFLUX TANK TAG NO T-313	JOB NO. 4270	DRAWING NUMBER 4270-1	