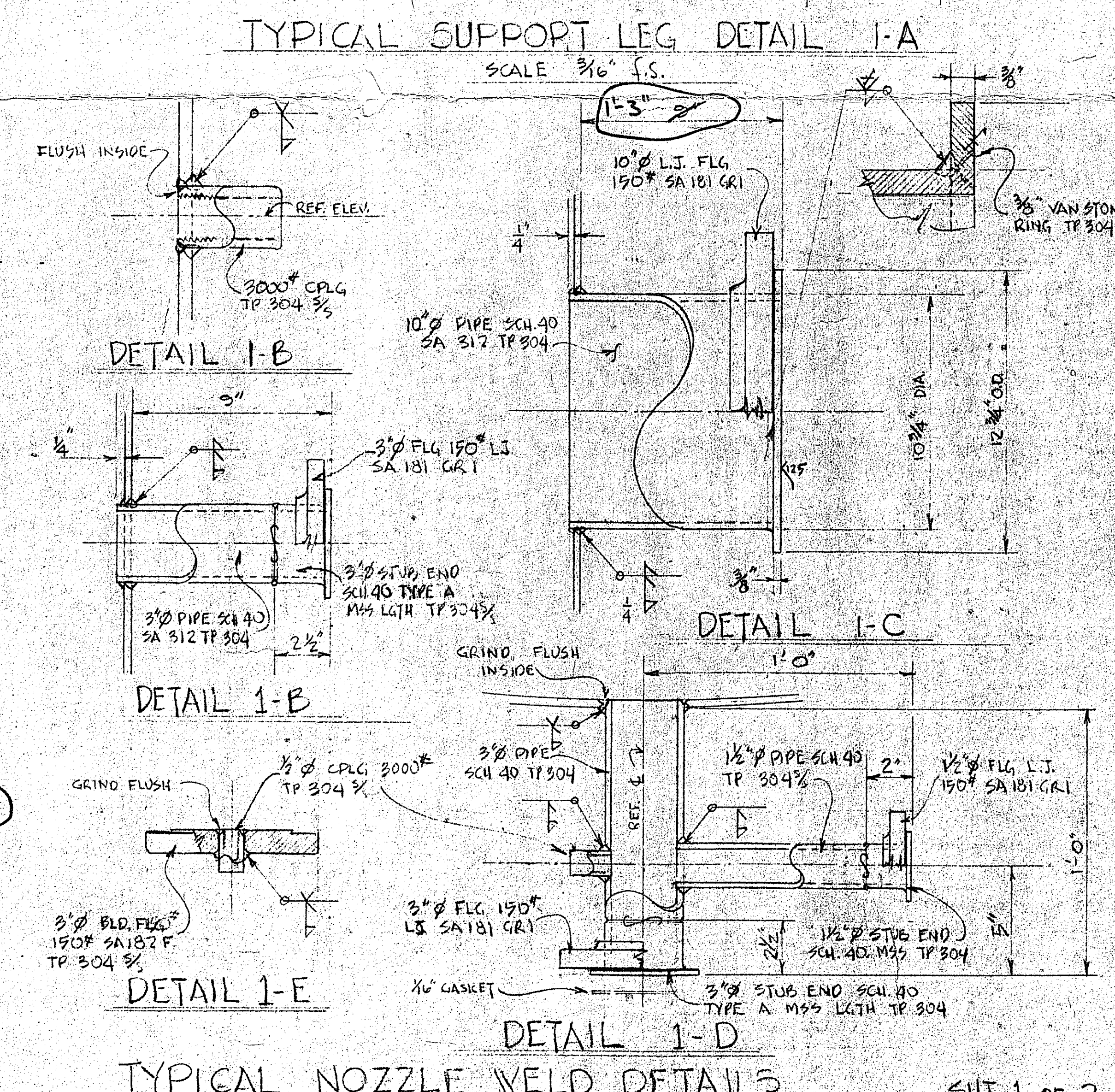
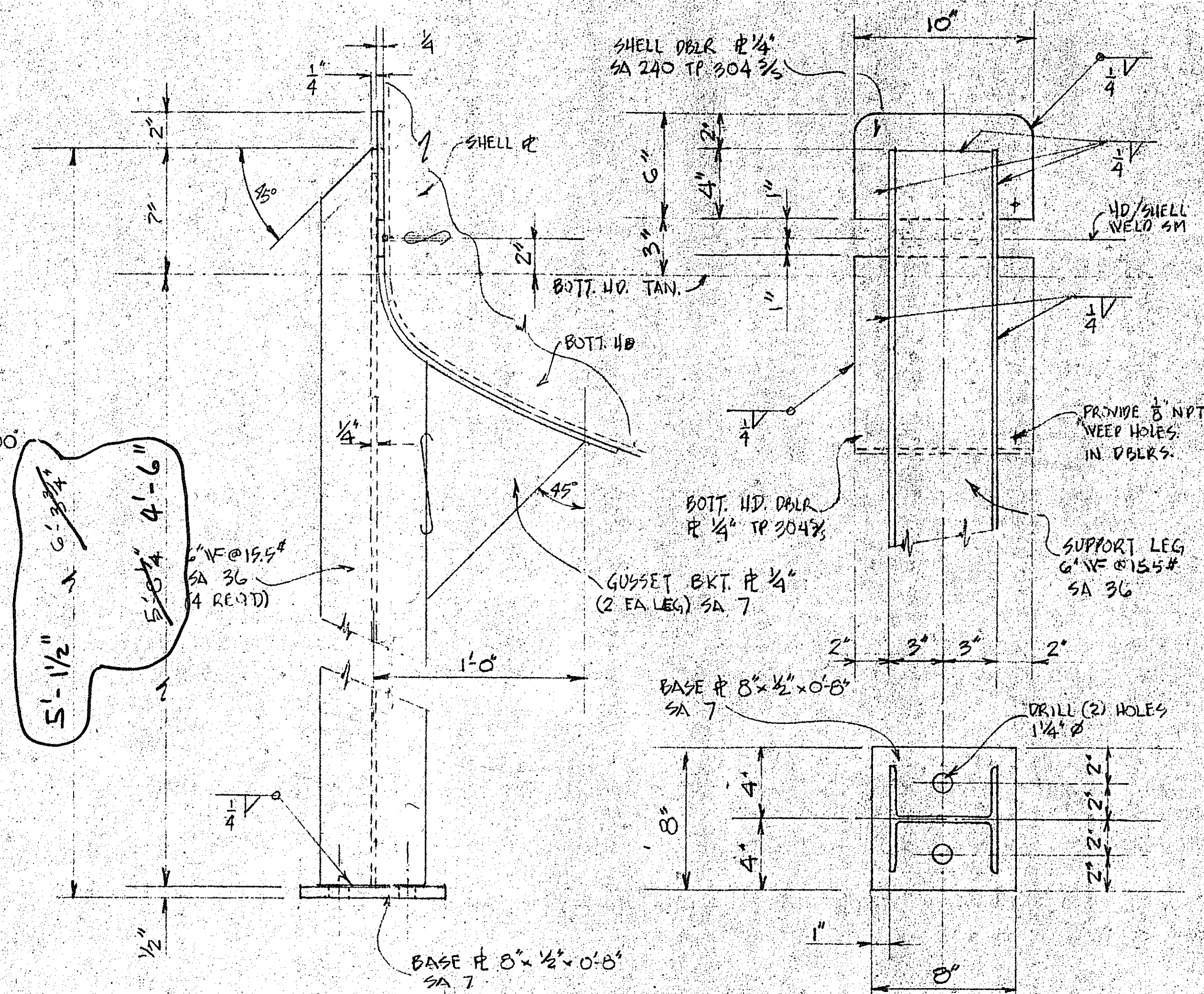
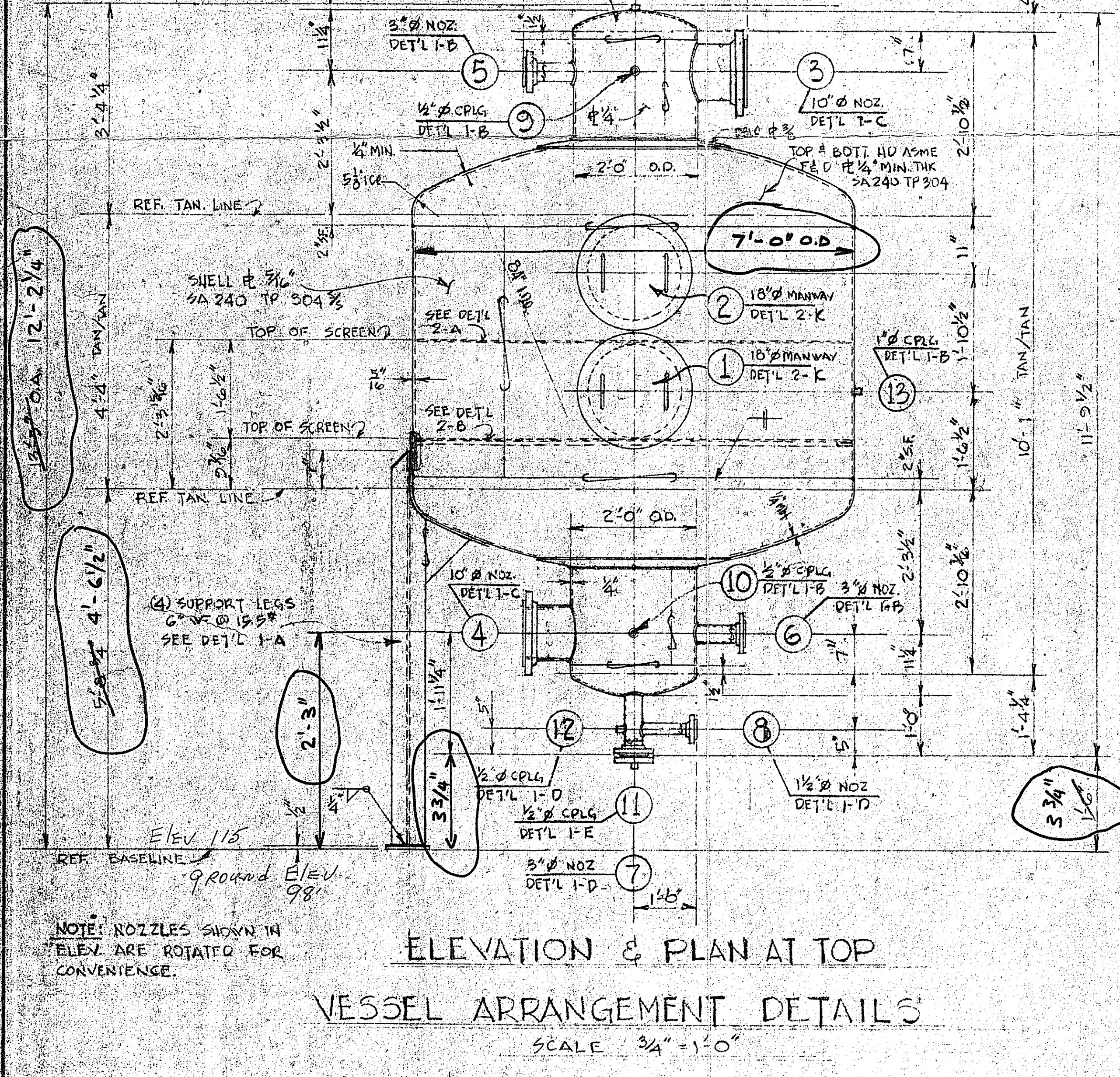
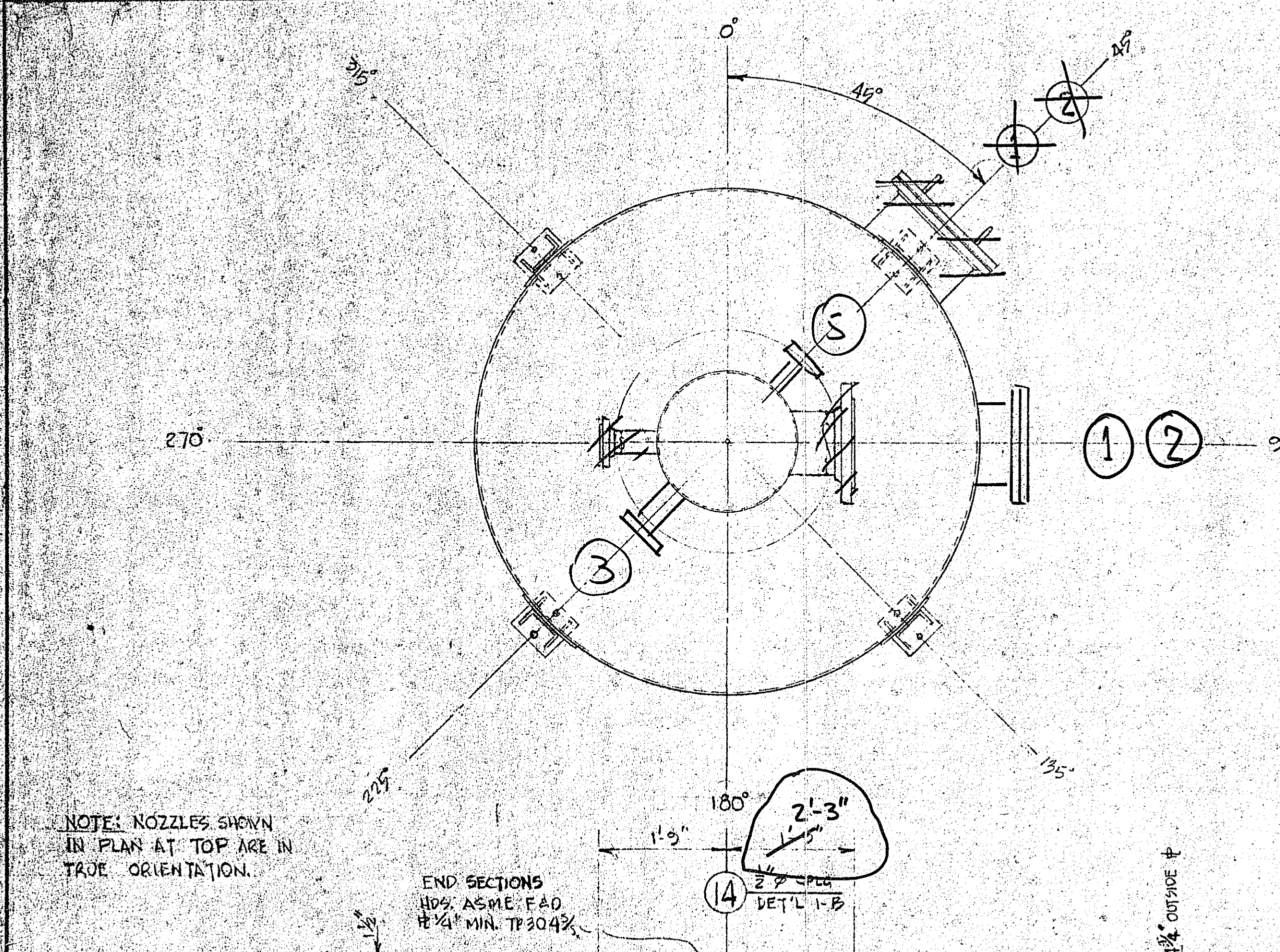




NOZZLE SCHEDULE														
MARK	NOZZLE			FLANGE				COUPLG	SERVICE	QUAN	C/L PROJ.	H/ELEV.	O-ORIENT	
	SIZE	SCH	THK	PRESS	TYPE	FACE	FINISH							
1	18"	STD	375	15	SO	FF	125		MANHOLE	1	4'-3"	6'-1"	90°	
2	18"	STD	375	15	SO	FF	125		MANHOLE	1	4'-3"	7'-11 1/2"	90°	
3	10"	40	365	150	LJ	SE	510		INLET	1	1'-3"	11'-2"	225°	
4	10"	40	365	150	LJ	SE	510		OUTLET	1	1'-9"	2'-3"	0°	
5	3"	40	216	150	LJ	SE	510		VENT	1	1'-9"	11'-2"	45°	
6	3"	40	216	150	LJ	SE	510		STEAM-INLET	1	1'-9"	2'-3"	135°	
7	3"	40	216	150	LJ	SE	510		CONDENSATE-OUTLET	1	BOTT	8'-2"	0°	
8	1 1/2"	40	145	150	LJ	SE	510		CONDENSATE-OUTLET	1	1'-0"	8'-2"	270°	
9	1/2"	THG	CPLG					3000	PRESSURE	1	CPLG	11'-2"	135°	
10	1/2"								PRESSURE	1	CPLG	2'-3"	135°	
11	1/2"								DRAIN	1	BEF	NOL	0°	
12	1/2"								SAMPLE	1	CPLG	8'-4"	90°	
13	1"								THERMOMETER	1	CPLG	6'-1"	225°	
14	1/2"	THG	CPLG					3000	VENT	1	TOP	0"	0°	

NATIONAL BOARD NUMBER		NONE	
MITTERNIGHT OILER WORKS		MOBILE ALABAMA	
MAX. DESIGN PRESSURE	F.V. / 15	PSI AT 200 °F	
MAX. TEMPERATURE	200 °F	F.V. / 15	PSI
INS. BY H.S.R.	YES	BUILT	1969
P.O. COG-10, 9579.01-246-1	ITEM	V-41C	
SHELL THK. 1/4"	HEAD THK. (Nom.) 5/16"	HEAD RADIUS	84"

VESSEL NAME PLATE DATA										
DESIGN DATA										
DESCRIPTION			SHELL		HEADS		JACKET		COILS	
DESIGN PRESSURE:			INTERNAL	—	PSIG	15	15			
			EXTERNAL	—	PSIG	F.V.	F.V.			
DESIGN TEMPERATURE:			INTERNAL	—	°F	200	200			
			EXTERNAL	—	°F	200	200			
MAX. ALLOWABLE WORKING PRESS @			200	°F	15	15				
CORROSION ALLOWANCE:					0	0				
TEST PRESSURE—HYDROSTATIC (AMBIENT) PSIG:					25	25				
WELD PROCEDURES—CODE: ASME SECTION IX			MFW:		STD.	STD.				
RADIOGRAPHING:			CODE: ASME	REQ'D: YES	SROT	(1) PIECE				
			DESIGN JOINT EFFICIENCY		85%	100%				
HEAT TREATMENT: NOT REQ'D					WIND/EARTHQUAKE LOADING: NOT APP.					
MATERIAL SPECIFICATIONS—ASME										
			VESSEL		JACKET		INTERNAL			
SHELL & DBLRS	SA 240 TP 304 3/8						SA 240 TP 304 3/8			
HEADS & DBLRS	SA 240 TP 304 3/8									
SUPPORTS	SA 36 & SA 7									
CLIPS & LUGS										
FLANGES	SA 181 GR 1 L & SA 182 F TP 304 3/8									
PIPE	SA 312 TP 304 3/8									
BOLTS/NUTS	SA 193 B7 / SA 194 2H									
GASKETS	CARLOCK # 7021						SA 240 TP 304 3/8			
PERF. PLATE							#12 MESH TP 304 3/8			
SCREEN										
GENERAL DATA										
VESSEL CONSTRUCTION: ALL WELDED IN ACCORDANCE WITH—ASME UPV, SECTION VIII, DIV. 1, 1968 CODE										
STAMP & REGISTRATION: ASME U-1 INSPECTION BY: HARTFORD & CUSTOMER										
REFERENCE DATA: UNITED ENGR'G & CONST. DWS: SK V-41C SPEC: STD.										
VESSEL DESIGNATED FOR: CLARK OIL & REFINING CO., BLUE ISLAND, ILLINOIS										
VESSEL WEIGHTS: EMPTY— OPERATING— TEST—										
PAINTING		VESSEL: NONE REQ'D ON STAINLESS STEEL SAND BLAST EXTERIOR SURFACES ONLY.								
REQUIREMENTS		SUPPORTS: SAND BLAST ALL CARBON STEEL EXTERIOR SURFACES TO NEAR WHITE FINISH & APPLY (1) SHOP COAT OF RED LEAD.								
TAG/ITEM NO: V-41C					NO. UNITS REQ'D AS SHOWN: (1) ONE					
REVISIONS										
1.	PHC-18 MITTERNIGHT BOILER AND MACHINE WORKS									
2.	MOBILE, ALABAMA									
3.	CHARCOAL ADSORBER IT V-41C									
4.	SHOP ARRANG'T & FAB DETLS									
UNITED ENGR'G & CONSTR.—CLARK OIL & REF. CO.										
CUSTOMER ORDER NO.				JOB NO.		DRAWING NO.		AIC		
COC-10, 9579.01-246-1				1692		C1692-41C-1				
DRAWN BY: L.S.				DATE		3/24/69		BY: 1 OF 2		
APPROV'D BY: [Signature]				DATE		MAR 27 1969		SCALE: NOTED — 1 FT.		
THIS DRAWING IS THE PROPERTY OF MITTERNIGHT BOILER AND MACHINE WORKS, AND MUST BE RETURNED UPON REQUEST.										
ISSUED TO SHOP BY: DATE: # 110380										