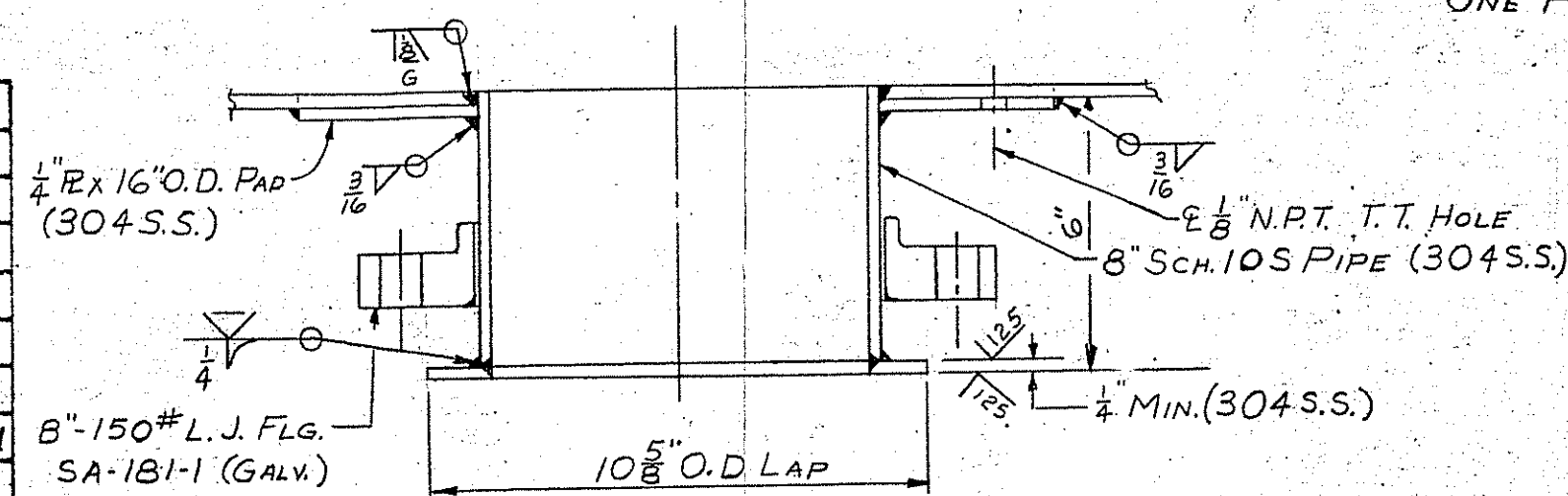


VESSEL SPECIFICATIONS									
REFERENCE	1	PLANT HANOVER		EQUIP NAME MeOH REFLUX TANK					
	2	AREA No		EQUIP NO T-4205-5					
	3	BLDG. ESTERIFICATION No 3		NO. UNITS (1) ONE					
	4	ORDER VENDOR		B.P.F. NO					
PROCESS AND GENERAL INFORMATION	5	MATERIAL IN VESSEL MeOH		(H ₂ O) WT 8.34 LB GAL					
	6	CAPACITY OPERATING 2500 GALS	DESIGN 2500 GALS	TOTAL VOL 2695 GALS					
	7	AGITATION NONE							
	8	USE REFLUX TANK		HORIZONTAL YES	VERTICAL NO				
	9	HEATED NO	COOLED NO	JACKET NO	COIL NO OTHER NONE				
	10	PRESSURE & TEMPERATURE:		SHELL JACKET OR COIL					
	11	DESIGN 14	PSIG AT 200 °F	PSIG AT °F					
	12	OPERATING < 1	PSIG AT 150 °F	PSIG AT °F					
	13	TEST-HYDROSTATIC 22	PSIG HOLD 2 HOURS		PSIG HOLD 2 HOURS				
	14	CORROSION ALLOWANCE NONE							
	15	CONSTRUCTION CODE 5CS-3T1-EXCEPT BOLTING	STAMPING NO						
	16	INSPECTION HERCULES YES	NATIONAL BOARD NO	OTHER VENDOR					
	17	X-RAY INSPECTION: NO	FILM INSPECTION HERCULES NO	NATIONAL BOARD NO					
	18	THERMAL TREATMENT NO							
	19	PASSIVATION: INSIDE NO	OUTSIDE NO						
	20	CLEANING 5CS-3T1	PAINTING	CARBON STEEL (1) SHOP COAT RED LEAD PRIMER					
	21	WEIGHTS: EMPTY 3750 LBS	FILLED WITH WATER 26750 LBS	EXTERNAL LOADING 0 LBS					
	22	FILLED WITH CONTENTS -		LBS TOTAL MAXIMUM LOAD 26750 LBS					
	SHELL	23	MATERIAL STAINLESS STEEL ASME SA-240 TYPE 304						
		24	DIAMETER 6'-0" O.D.	THICKNESS 1/2"	LENGTH STRAIGHT SHELL 12'-0"				
25		SEAMS WELDED ELECTRIC	JOINT TYPE DOUBLE BUTT		EFFICIENCY -				
HEAD	26	LEFT END		RIGHT END					
	27	MATERIAL STAINLESS STEEL ASME SA-240 TYPE 304		STD. FLG.D. & DISHED					
	28	TYPE STD. FLG.D. & DISHED		STD. FLG.D. & DISHED					
	29	WELDED ELECTRIC		ELECTRIC					
	30	THICKNESS 1/2" NOM.		1/2" NOM.					
NOZZLES	31	MATERIAL STAINLESS STEEL ASME SA-312 TYPE 304		THICKNESS SEE TYP. DTS.					
	32	TYPE L.J.S.E. PIPE OR R.		WITH 150 LB. LAP JT. AMER. STD. FLGS.					
GASKETS	33	MANHOLE YES							
	34	FOR TEST J.M. #60							
	35	FOR COMPLETED CONNS. SUPPLY NEW FLEXITALLIC STYLE CG STN. STL.							
JACKETS	36	MATERIAL		DIAMETER THICKNESS					
	37	TYPE HEAD		THICKNESS					
	38								
COILS	39	MATERIAL		PIPE DIAMETER THICKNESS					
	40	TYPE		LIN FT SQ FT SURFACE					
	41								
SUPPORTS	42	LUGS NO LEGS NO SKIRT NO SADDLES 2 OTHER NONE							
	43	INTERIOR		EXTERIOR					
BOLTING	44	BOLTS OR BOLT STUDS		HEX. HD. BOLTS HVY. PATI. GALV.					
	45	MATERIAL		ALLOY STEEL ASME SA-193-GR. B					
	46	NUTS TYPE AND MATERIAL		HEX. NUTS - HVY. PATI. CAR. STL. ASME SA-194 GR. 2 OR 2H. GALV.					
MISCEL.	47	INSULATION NONE		THICKNESS -					
	48	ALL GASKET SURFACES TO HAVE 125 RMS FINISH							

NOZZLE DATA			
NOZZLE	SIZE	USE	DWG. NO.
A	8"	LIQUID OUTLET	5ES-4N1J
B	4"	VAPOR OUTLET	5ES-4N1J
C	12"	FOR FILL PIPE (F)	5ES-4N1J
D	4"	LIQUID LEVEL	5ES-4N1J
E	4"	SPARE	5ES-4N1J
F	10"	FILL PIPE	5ES-4P16A1
G	20"	MANHOLE	5ES-4M16A1
J	4"	BLIND FLG. S.S.T-304	150" STD
K	3 1/2"	STILL WELL	5ES-4KS1G



DETAIL OF NOZZLE "A"
ONE REQ'D.

