



SPECIFICATIONS				
PROCESS AND GENERAL INFORMATION	MATERIAL IN VESSEL		WT. 7.3 LB./GAL.	
	CAPACITY OPERATING 650 GALS.	DESIGN 1600 GALS.	TOTAL 1625 GALS.	
	AGITATION NONE			
	USE EVAPORATOR		HORIZONTAL OR VERTICAL VERTICAL	
	HEATED NO	COOLED NO	JACKET NO	COIL NO
	OTHER NONE			
	PRESSURE & TEMPERATURE:		SHELL:	
	DESIGN 14 PSIG AT 365 °F		PSIG AT °F	
	OPERATING 5 PSIG AT 210 °F		PSIG AT °F	
	TEST-HYDROSTATIC 25 PSIG HOLD 2 HOURS		PSIG HOLD 2 HOURS	
	CORROSION ALLOWANCE NONE			
	CONSTRUCTION: CODE 5CS-3T1		STAMPING NO	
	INSPECTION: HERCULES YES		NATIONAL BOARD NO	OTHER VENDOR
	X-RAY INSPECTION: NO		FILM INSPECTION: HERCULES NO	NATIONAL BOARD NO
	SHELL	THERMAL TREATMENT NO		
PASSIVATION: INSIDE NO OUTSIDE NO				
CLEANING 5CS-3T1		PAINTING CARB. STL. PARTS ONE SHOP COAT OF PRIMER PAINT		
WEIGHTS: EMPTY LBS.		FILLED WITH WATER 16,000 LBS.		
EXTERNAL LOADING 500 (INSUL) LBS.				
FILLED WITH CONTENTS 14,500 LBS.		TOTAL MAXIMUM LOAD 16,500 LBS.		
MATERIAL 304% ASME SA 240 THICKNESS 1/4"				
SEAMS: WELDED ELECTRIC JOINT TYPE DOUBLE BUTT EFFICIENCY —				
60" O.D. X 10'-0" STRAIGHT SHELL				
HEAD		TOP OR LEFT END		BOTTOM OR RIGHT END
	MATERIAL S.S. ASME - SA 240 - TYPE 304		S.S. ASME - SA 240 - TYPE 304	
	TYPE STD. FLGD. & DISHD		STD. FLGD. & DISHD	
	BOLTED OR WELDED ELECTRIC		ELECTRIC	
	THICKNESS 1/4"		1/4"	
NOZZLES	MATERIAL S.S. ASME - SA 312 - GR. TP 304		THICKNESS AS NOTED	
	TYPE 2 J. STUB ENDS OR PIPE WITH 150 LB. F.S. LAP JOINT - AMER. STD. FLGS. (UNLESS NOTED)			
	MANHOLE YES (20")			
GASKETS	GASKET SURFACES - COMM. PHOTOGRAPHIC SERRATED FINISH			
	FOR TEST 1/16" J.M. #60			
JACKETS	FOR CC'PLETED CONNS. SUPPLY NEW FLEXITALLIC 3T1E CG			
	MATERIAL NONE		THICKNESS	
COILS	TYPE HEAD		THICKNESS	
	MATERIAL NONE		PIPE DIAMETER	THICKNESS
SUPPORTS	TYPE		LIN. FT.	SQ. FT. SURFACE
	LUGS 4 LEGS NO SKIRT NO SADDLES NO OTHER C/S			
BOLTING	INTERIOR		EXTERIOR	
	BOLTS OR BOLT STUDS		5CS-3T1	
	MATERIAL			
MISCEL.	NUTS: TYPE AND MATERIAL			
	INSULATION UNIBESTOS (BY HERCULES)			
	NO. UNITS REQ'D. THREE (3) A-414, A-2414 & T-207-2 (FOR T-207-2 SEE NOTE #2)			

NOZZLE DATA							
NOZZLE	SIZE	USE	DWG. No.	NOZZLE	SIZE	USE	DWG. No.
** A	20"	VAPOR INLET	SIMILAR TO 1417 W5	J	6"	SPARE	1417 W5
** B	12"	" OUTLET	1417 W5	K	4"	SIGHT GLASS	DETAIL "Y"
C	10"	LIQ. OUTLET	DET. "X"	L	6"	ACCESS	DETAIL "Y"
D	2"	LEVEL	DET. "Y"	M	6"	BLIND FLANGE	
* E	20"	M.H. COVER	SES. 4 M.I.T.				
F	6"	SIGHT GLASS	DET. "Y"				
G	1"	THERMOWELL	DET. "Y"				
H	6"	REL. VALVE NOZ.	1417 W5				

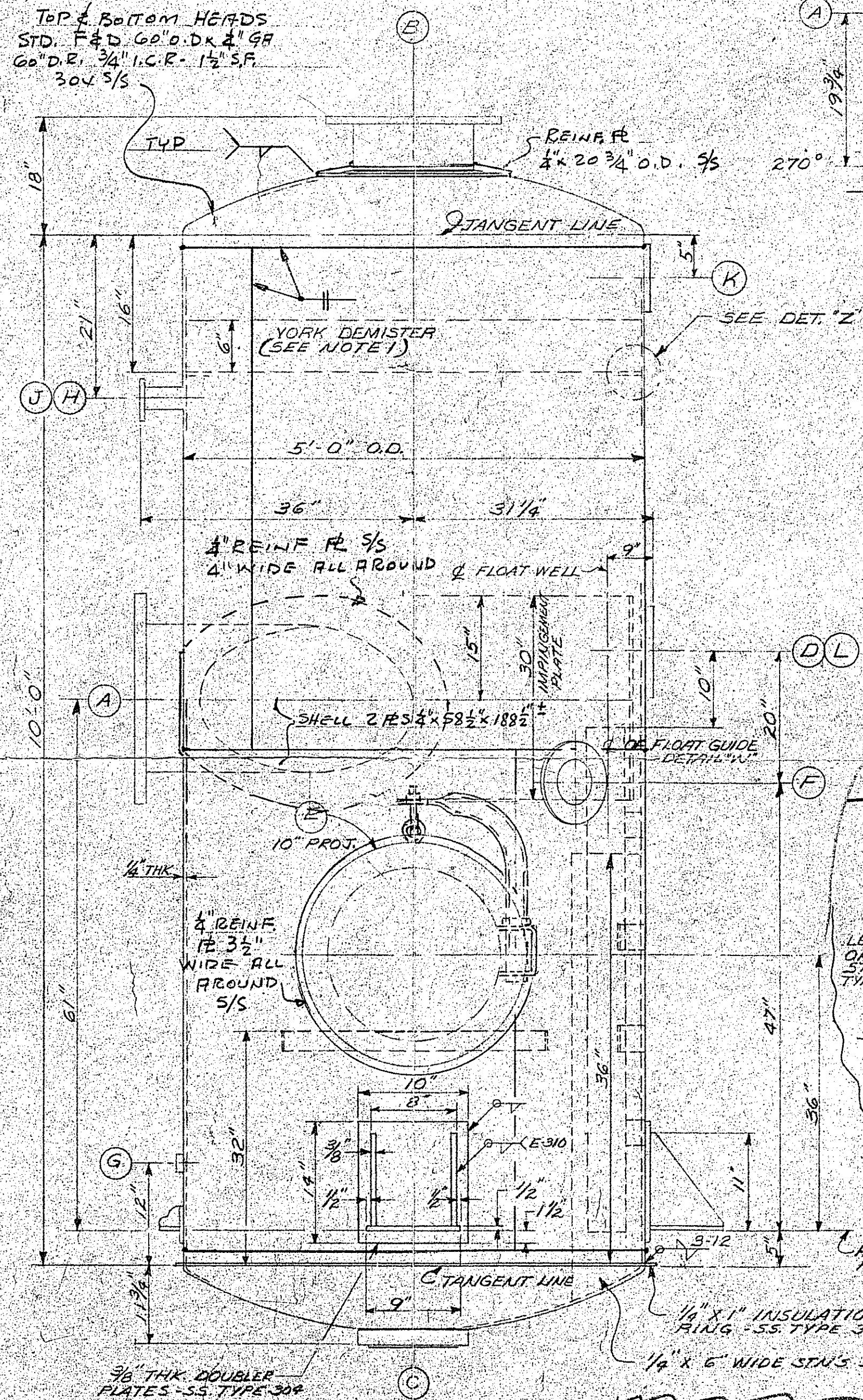
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NOTES:

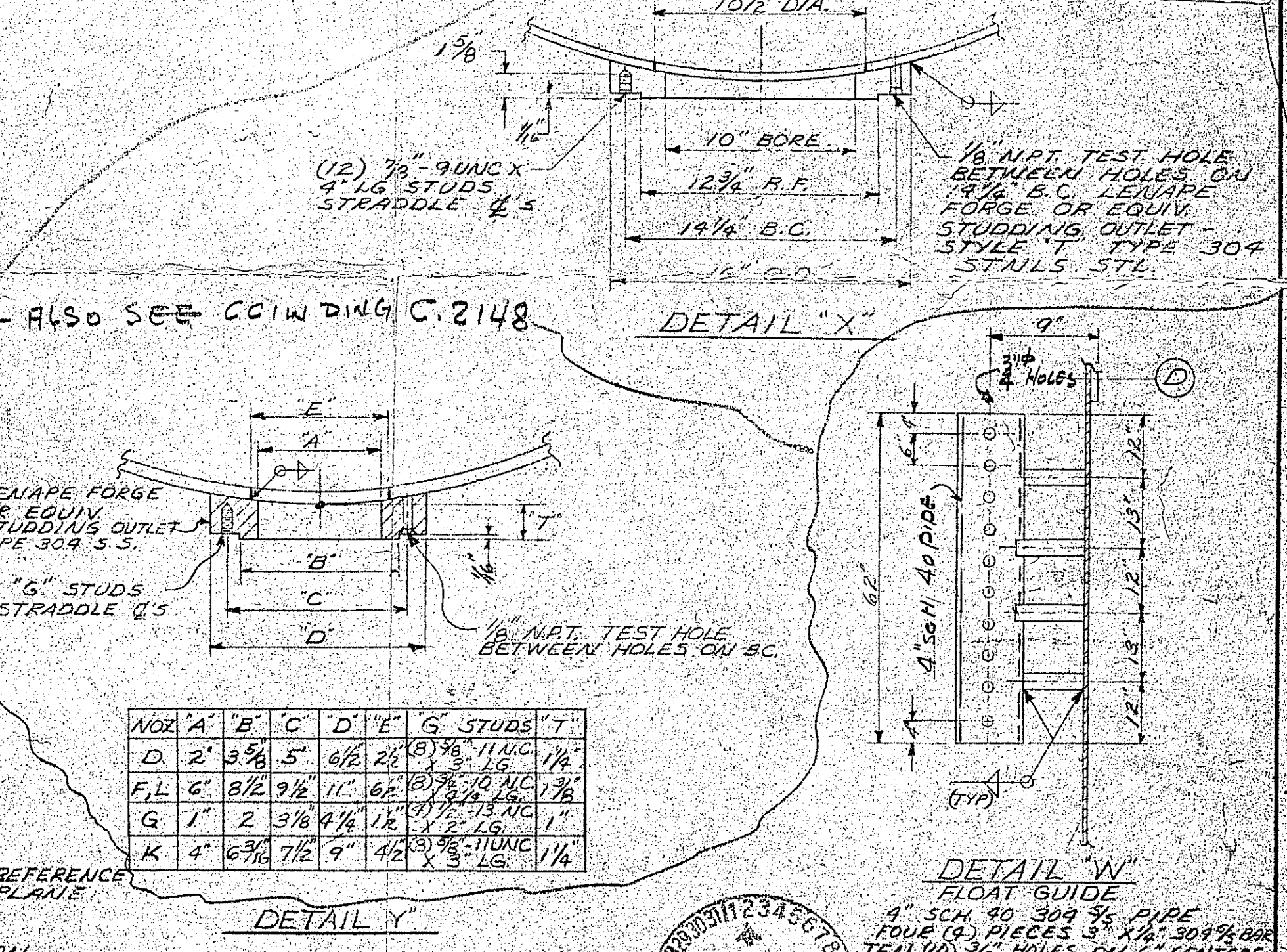
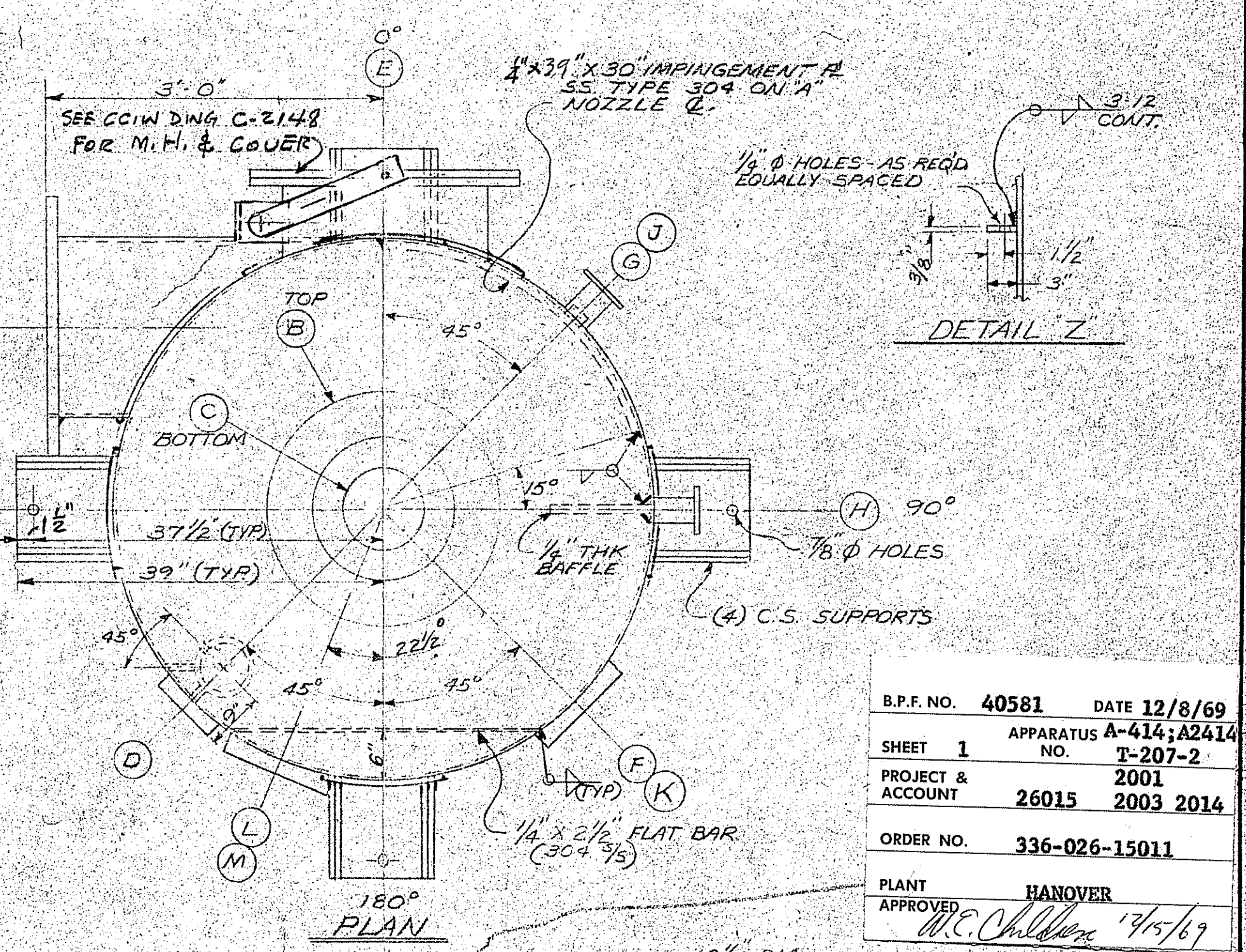
1. YORK DEMISTER (6" THICK) STYLE # 694 WITH TOP AND BOTTOM GRIDS. MATERIAL TO BE 304 SS. DEMISTER TO BE SECTIONED SO AS TO BE REMOVABLE THRU 20" MAINHOLE

2. ON VESSEL TAGGED T-207-2, DELETE DEMISTER AND DEMISTER SUPPORT RING.

TOP & BOTTOM HEADS
STD. F&D 60" O.D. x 1/2" GA
60" O.D. 3/4" I.C.R. - 1 1/2" S.F.
304 S/S -



Δ SHELL & HDS REINFORCED AROUND NOZZLE
** USE 1/4" WALL THICKNESS
* WITH DAVIT - SFS 9016



NOX	A"	B"	C"	D"	E"	G"	STUDS	T
D	2"	3 5/8"	5"	6 1/2"	2 1/2"	(8) 3/8" - 11 NC LG	1 1/4"	
F.L	6"	8 1/2"	9 1/2"	11"	6 1/2"	(8) 3/8" - 12 NC LG	1 3/4"	
G	1"	2"	3 1/8"	4 1/4"	1 1/2"	(4) 1/2" - 13 NC LG	1"	
K	4"	6 3/16"	7 1/2"	9"	4 1/2"	(8) 3/8" - 11 NC LG	1 1/4"	

CAPITAL CITY IRON WORKS ORDER # 37565

		PROJ-26015		HERCULES INCORPORATED	
MICRO FILM NUMBER		JOB NUMBER		PLANT <u>HANOVER - WILM. N.C.</u>	
SCALE <u>NO SCALE</u>		DATE <u>6/25/69</u>		BUILDING <u>ESTERIFICATION AREA NET 42</u>	
DRAWN <u>T.W. GEDDIE</u>		<u>6/25/69</u>		<u>MEOH. EVAPORATOR</u>	
CHECKED <u>W.L. Lane</u>		<u>6/25/69</u>		<u>A-414 & A-2414</u>	
APPROVED <u>D.C. Offenberg Jr.</u>		<u>6/23/69</u>		<u>RECLAIM MEOH PRESTILL POT</u>	
APPROVED <u>E.M. Casey</u>		<u>6/26/69</u>		<u>T-207-2</u>	
APPROVED _____		_____		<u>ASSEMBLY & DETAILS</u>	
APPROVED _____		_____		DRAWING NUMBER	
APPROVED _____		_____		026 2001 52005 4WN 1	
APPROVED _____		_____		PLANT ACCOUNT CLASSIFICATION FILE CODE REV.	
APPROVED _____		_____			

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