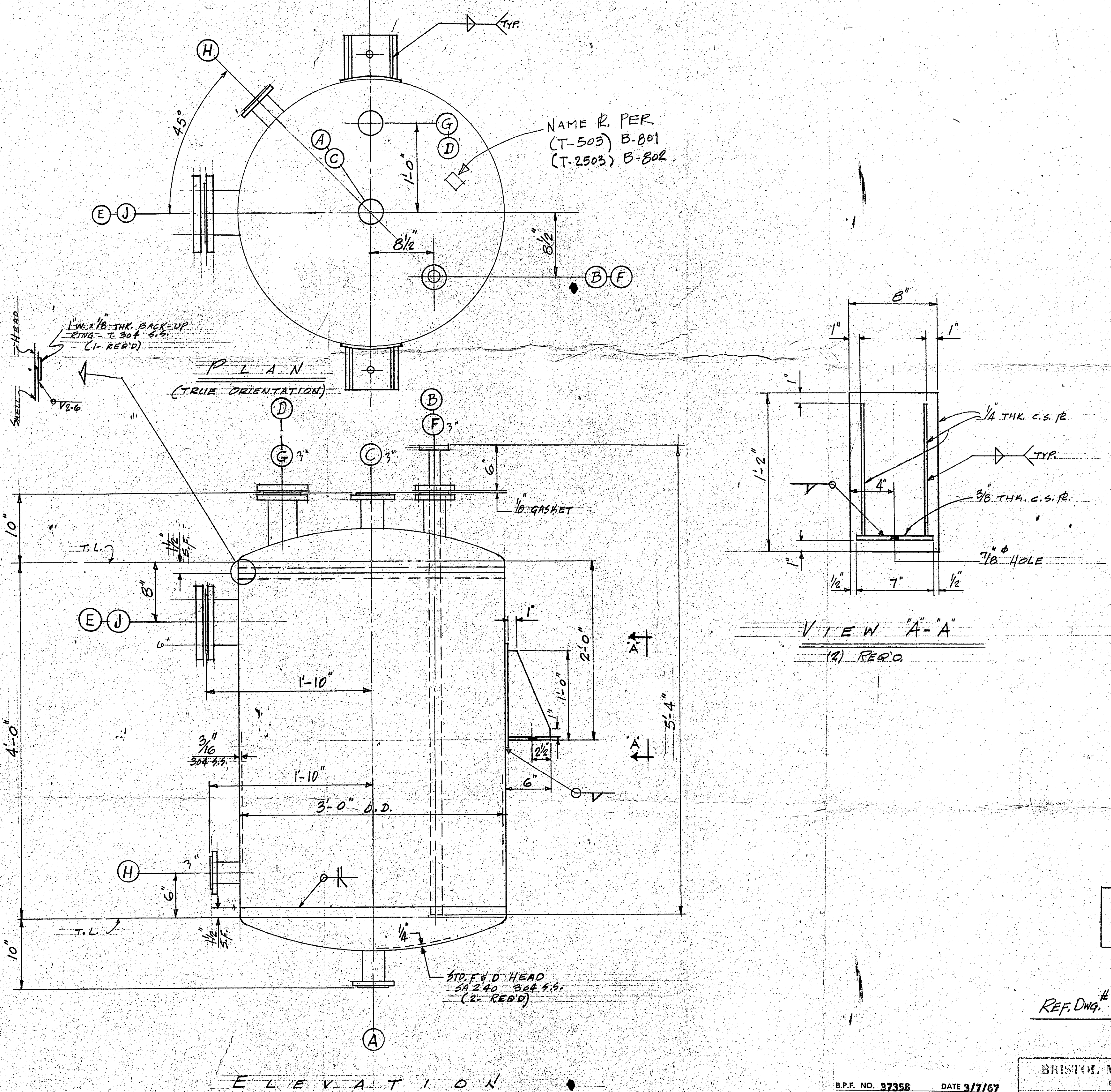


VESSEL SPECIFICATIONS			
REFERENCE	1	PLANT: WILMINGTON N.C.	EQUIP NAME: METHANOL HEAD TANK
	2	AREA: NO.	EQUIP NO. T-503 & T-2503
	3	BLDG. CRYSTALLIZATION NO.	NO. UNITS: ONE OF EACH
	4	ORDER: VENDOR:	B.P.F. NO.
PROCESS & GENERAL INFO	5	MAT'L IN VESSEL: METHANOL	WATER WT. 8.34 LB/GAL.
	6	CAPACITY OPERATING: GALS. DESIGN 250 GALS. TOTAL VOL. 255 GALS.	
	7	AGITATION: NONE	
	8	USE: HEAD TANK	HORIZONTAL: NO VERTICAL: YES
	9	HEATED: NO COOLED: NO JACKET: NO COIL: NO OTHER: NONE	
	10	PRESSURE & TEMP.	SHELL: COIL:
	11	DESIGN: 10 PSIG AT: 100 °F	PSIG AT:
	12	OPERATING: 0 PSIG AT: Ambient °F	PSIG AT:
	13	TEST-HYDROSTATIC: 15 PSIG HOLD 2 HOURS	PSIG HOLD HOURS
	14	CORROSION ALLOWANCE: NONE	
	15	CONSTRUCTION CODE: 5CS-3T1	STAMPING: NO
	16	INSPECTION HERCULES: YES NATIONAL BOARD: NO OTHER: VENDOR	
	17	XRAY INSPECTION: NO FILM INSPECTION: NO NATIONAL BOARD: NO	
	18	THERMAL TREATMENT: NO	
SHELL	19	PASSIVATION: INSIDE NO OUTSIDE NO	
	20	CLEANING: 5CS-3T1 PAINTING: CARB. STL. PARTS-ONE COAT SHOP PRIMER	
	21	WEIGHTS EMPTY: 700 LBS. FILLED W/ WATER 2830 LBS. EXTERNAL LOADING 0 LBS.	
	22	FILLED W/ CONTENTS: LBS. TOTAL MAX. LOAD 2830 LBS.	
HEAD	23	MATERIAL: S.S. ASME-SA 240 TYPE 304	
	24	DIAMETER: 36" O.D. THICKNESS: 3/16" LENGTH STRAIGHT SHELL: 48"	
	25	SEAMS WELDED: HELIARC JOINT TYPE: DOUBLE BUTT EFFICIENCY:	
	26	LEFT END RIGHT END	
NOZZLES	27	MATERIAL: S.S. ASME-SA 240 TYPE 304	SAME
	28	TYPE: STD. F & D	SAME
	29	WELDED: HELIARC	SAME
	30	THICKNESS: 1/4" NOM.	SAME
GASKETS	31	MATERIAL: S.S. ASME-SA 312 GRADE 304 THICKNESS: SEE NOTE	
	32	TYPE: LAP JOINT, STUB END OR PIPE WITH: 150# LB. F.S. LAP JOINT (UNLESS NOTED F.A.M.E. STD. FLG.)	
	33	MANHOLE: NO	
	34	FOR TEST: J.M. #60 1/16" THK.	
JACKETS	35	FOR COMPLETED CONNS. SUPPLY NEW FLEXITALLIC STYLE "D"	
	36	MATERIAL: NONE DIA. THICKNESS:	
	37	TYPE HEAD: THICKNESS:	
	38		
COILS	39	MATERIAL: NONE PIPE DIA. THICKNESS:	
	40	TYPE: LIN. FT. SQ. FT. SURFACE	
	41		
	42		
SUPPORTS	43	LUGS: 2 LEGS. NO SHIRT. NO SADDLES. NO OTHER: NONE	
	44	INTERIOR EXTERIOR	
	45	BOLTS OR BOLT STUDS: NONE 5CS-3T1	
	46	MATERIAL: NUTS: TYPE & MAT'L.	
MISC.	47	INSULATION: NONE THICKNESS:	
	48	ALL GASKET SURFACES TO HAVE COMMERCIAL PHOTOGRAPHIC SERRATED FINISH	

NOZZLE DATA			
NOZZLE	SIZE	USE	DWG. NO.
A	3"	OUTLET	1413-WS
B	3"	FR 1/2" FILL @	1412-WS
C	3"	VENT	1412-WS
D	3"	SPARE	1412-WS
F	1 1/2"	FILL IN @	5ES-4PIG/B
G	3"	ST. STL. BLIND FLG.	150# STD.
H	3"	LEVEL	1417-WS
E	6"	INSPECTION	1417-WS
J	6"	3/8" BLIND FLG.	150# STD. WITH DURIRON TIE LINE GASKET BY BMP

NOTE:
NOZZLES 1/2" THRU 3" TO BE SCH 80S
3 1/2" & ABOVE TO BE SCH 40S



#103635
RELEASED FOR
CONSTRUCTION
BY B&P DATE 2-15-67

REF. DWG. # 026-2004-52007-2WE-0

B.P.F. NO. 37358	DATE 3/7/67
SHEET 1	APPARATUS T-503
PROJECT & ACCOUNT 26001	NO. T-2503
ORDER NO. 336-026-01117	2004
PLANT APPROVED	DATE: 11-67
Wilmington	CR'D BY: L.W. DATE: 11-67
J. L. Johnson	REVIS'D: SCALE: NO
	WORK ORDER: 12454
	DRAWING NO. D-739

BRISTOL METAL PRODUCTS CORP.	
BRISTOL, TENNESSEE	
DETAIL OF: METHANOL HEAD TANK	
CUSTOMER: HERCULES INC. P.O. 336-026-01117-01-000-FED	
APPROVED BY:	DATE: 1
DE. BY: J.L.	DATE: 11-67
CR'D BY: L.W.	DATE: 11-67
REVIS'D:	SCALE: NO
WORK ORDER: 12454	DRAWING NO. D-739