[illegible]

NOTES

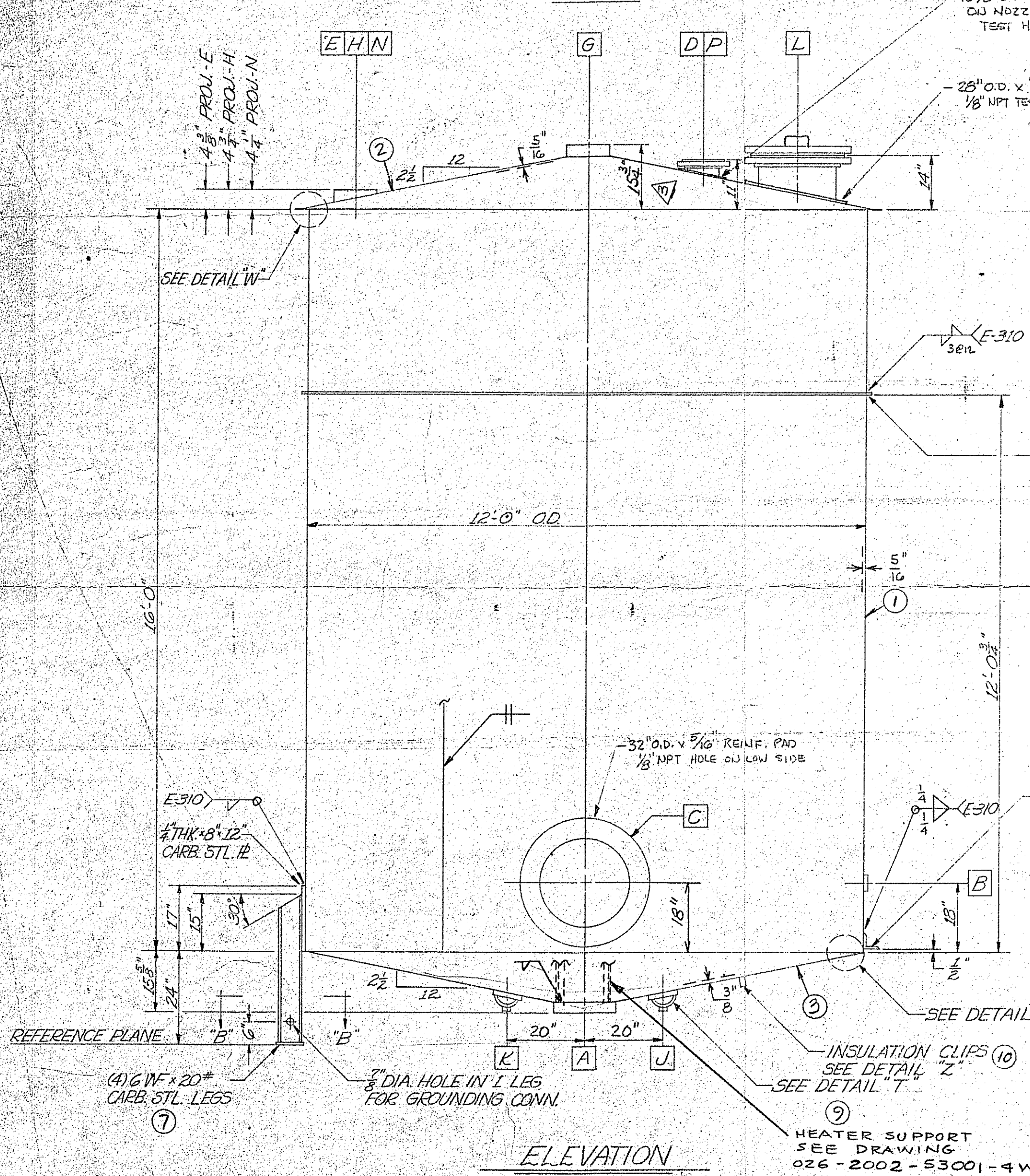
1. VESSEL IS TO BE CONSTRUCTED IN ACCORDANCE WITH HERCULES SPEC.
5CS-3T1 AND WELDED IN ACCORDANCE WITH SECTION IX OF THE ASME
CODE, NO STAMP.

<u>SHELL</u>	<u>JACKET</u>
3 PSIG	170 PSIG
350°F	375°F
0 PSIG	150 PSIG
320°F	365°F
4.5 PSIG	225 PSIG

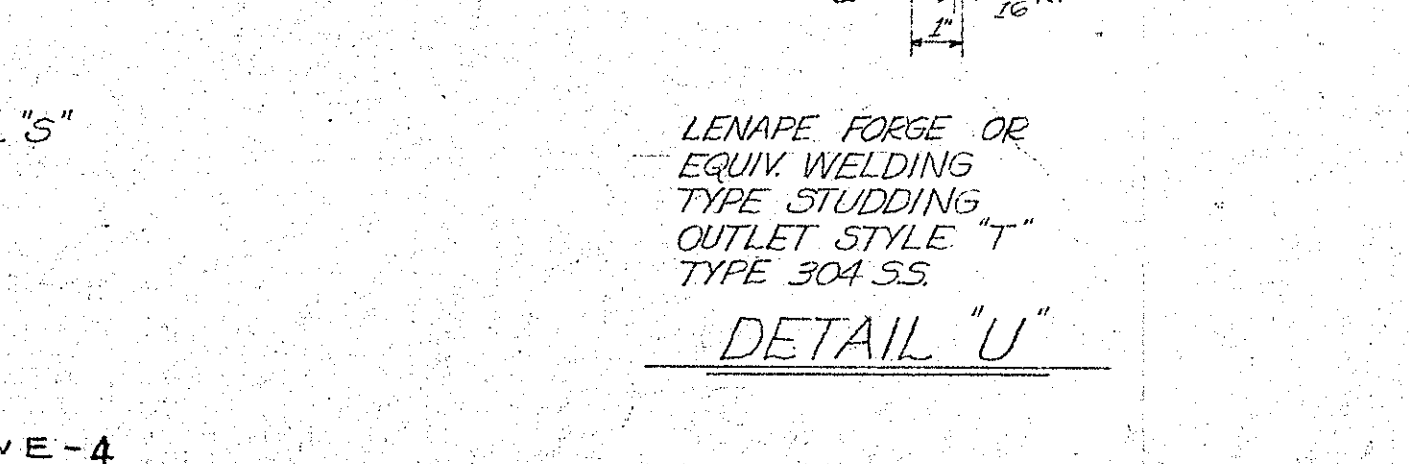
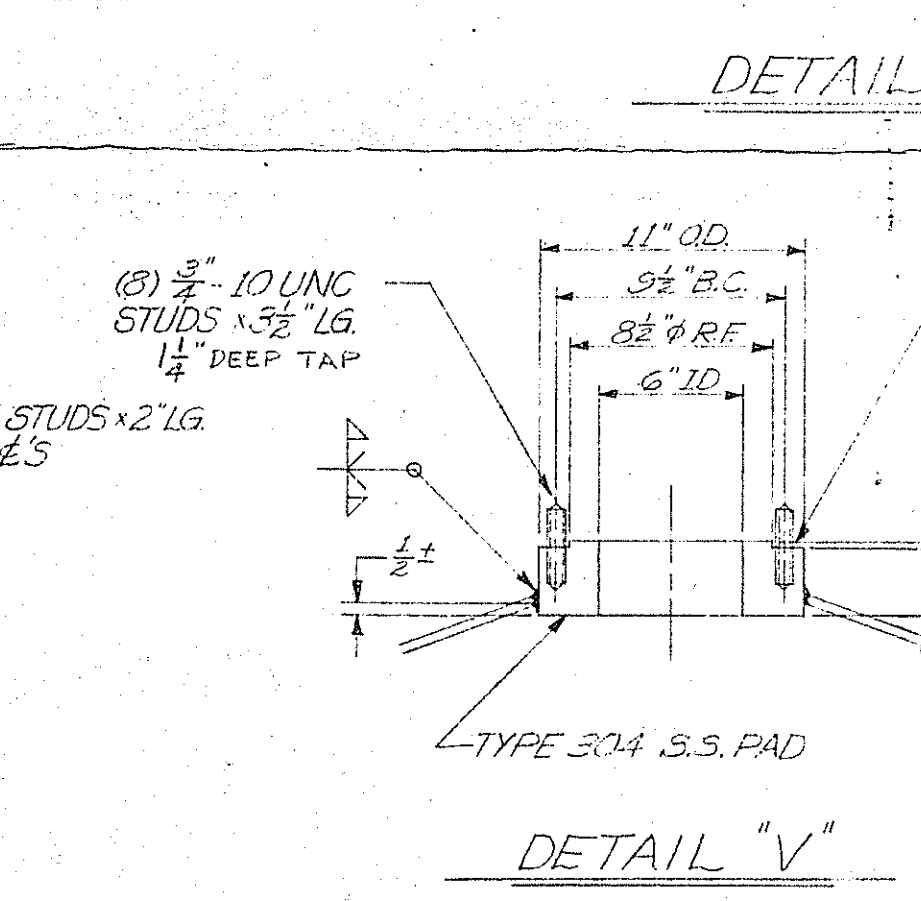
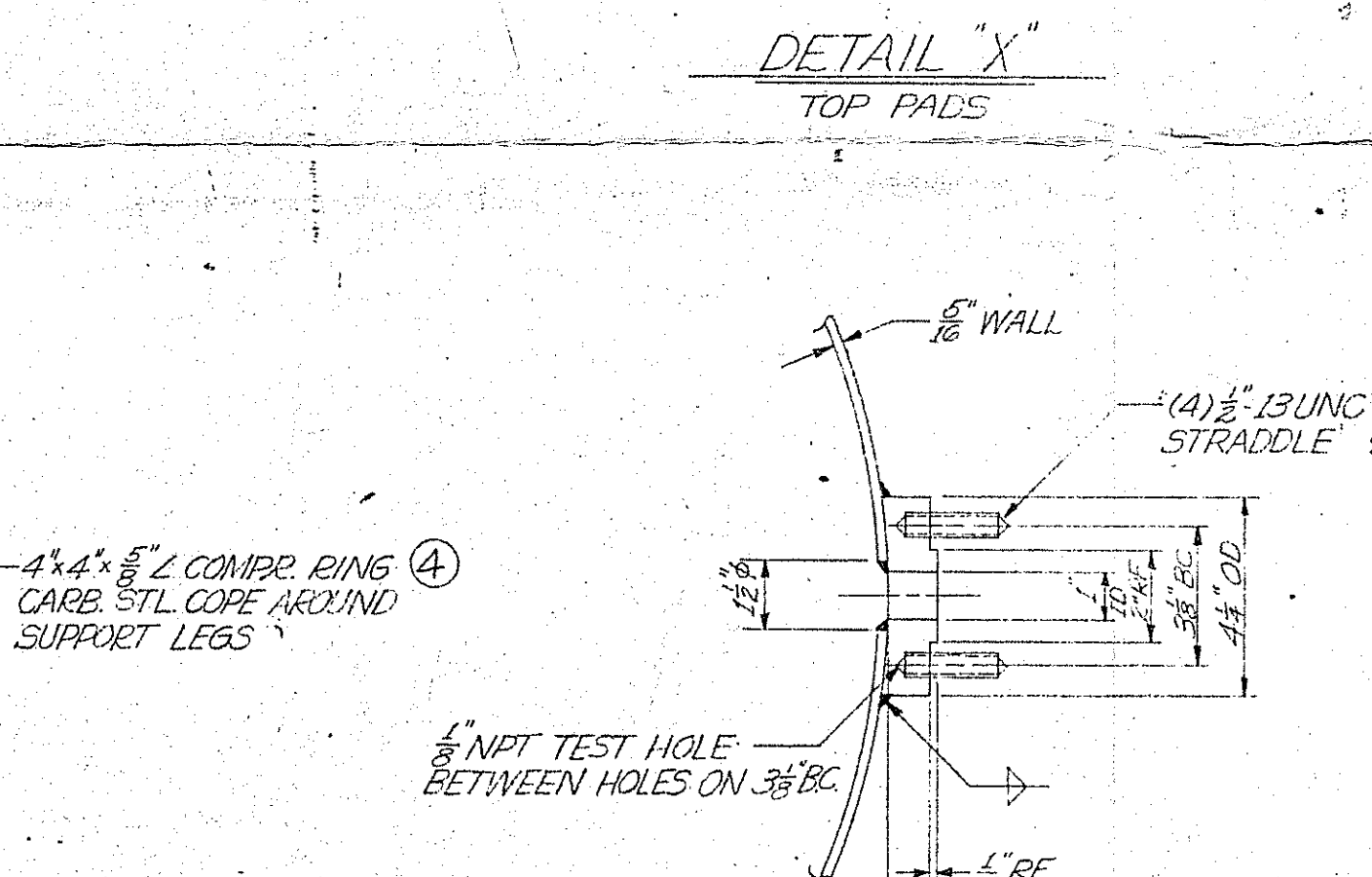
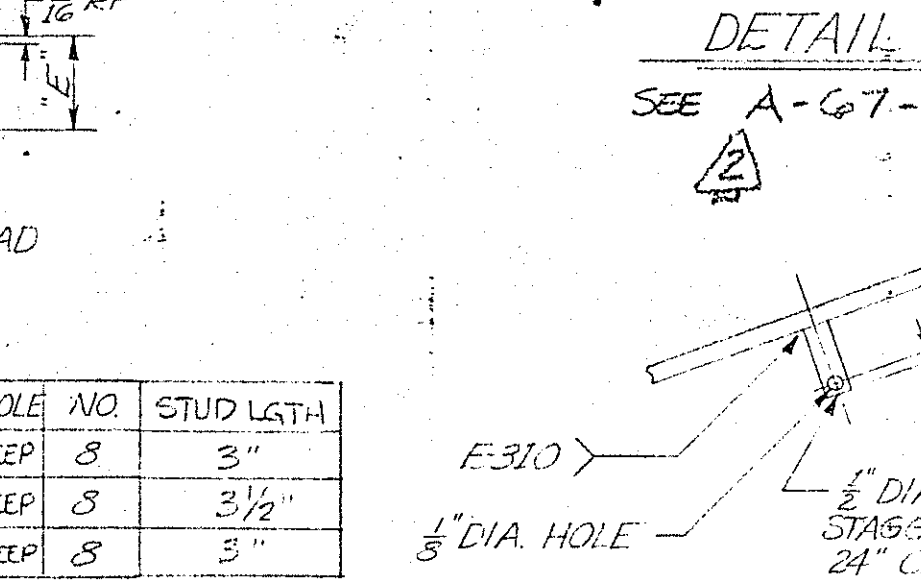
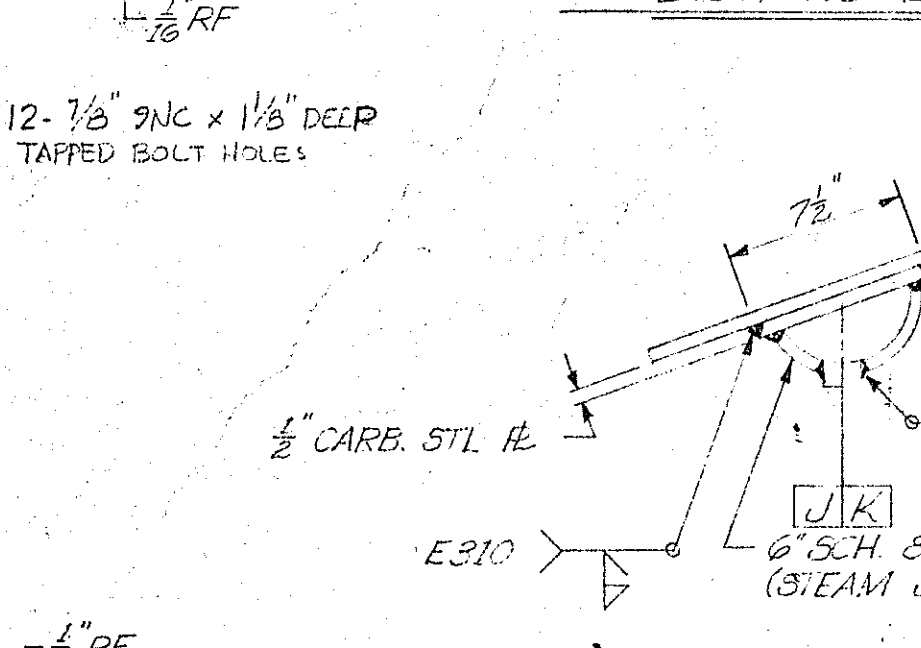
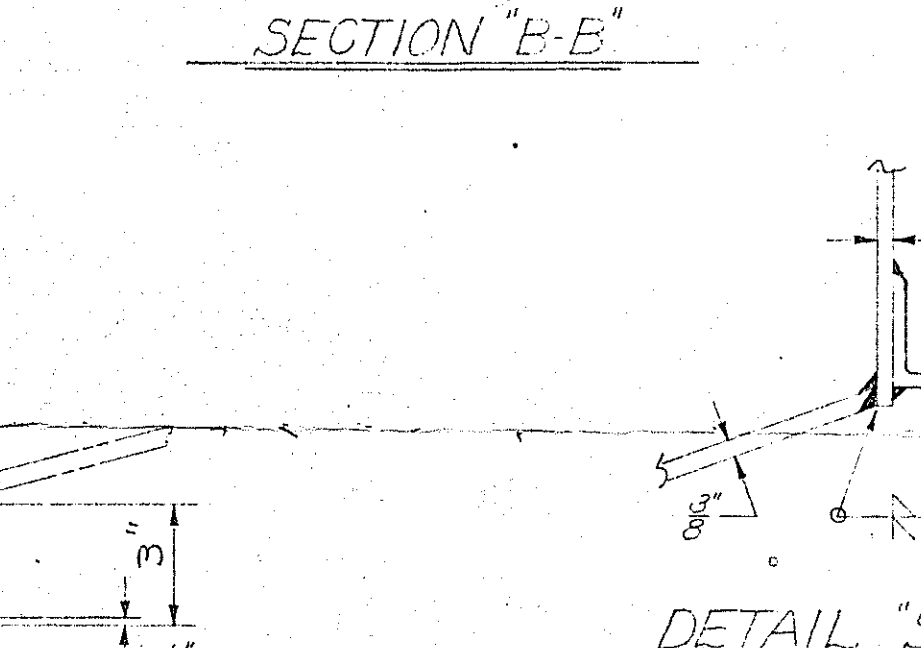
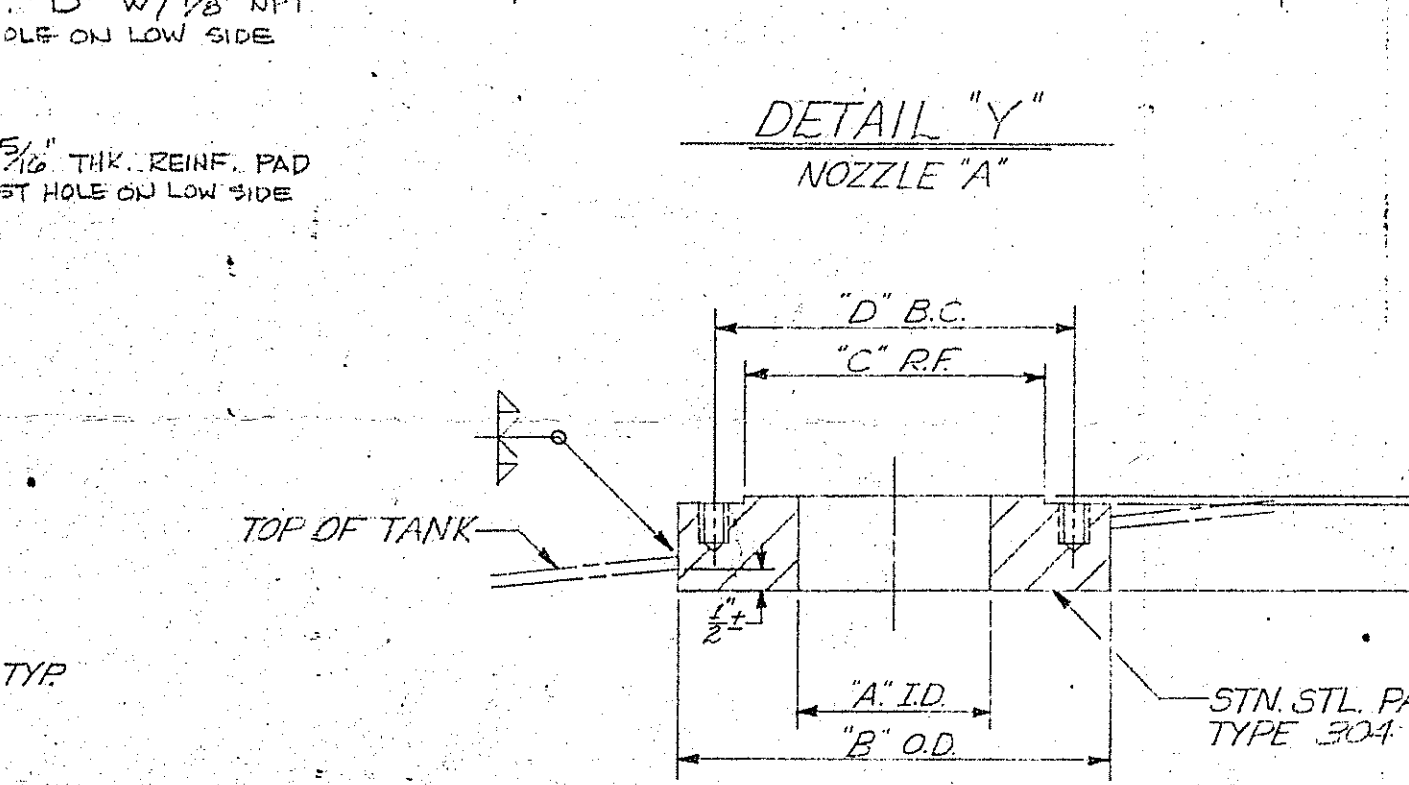
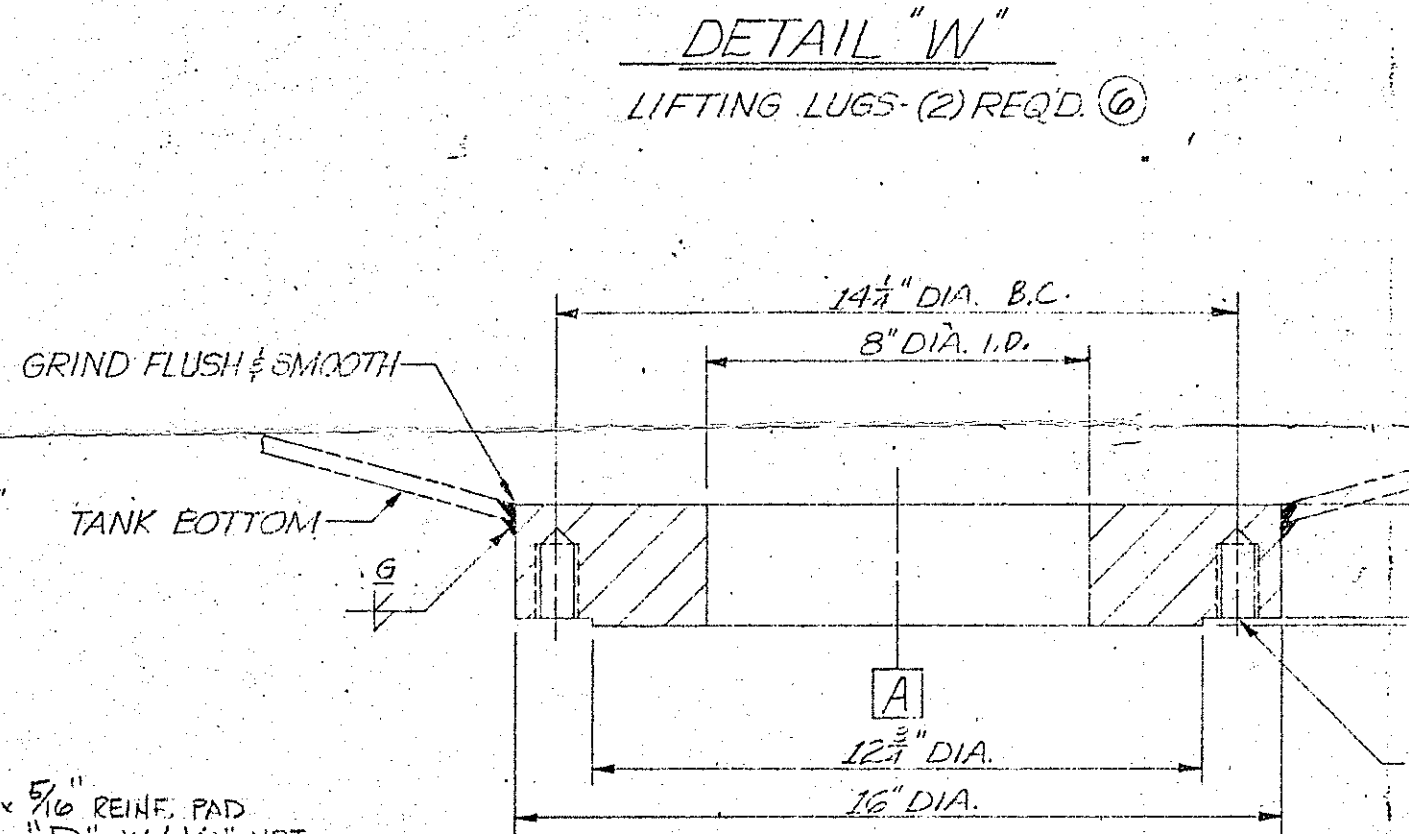
2. DESIGN PRESSURE	5 PSIG	JACKET	170 PSIG
3. DESIGN TEMPERATURE	350°F		375°F
4. OPERATING PRESSURE	0 PSIG		150 PSIG
5. OPERATING TEMPERATURE	320°F		365°F
6. HYDROSTATIC TEST PRESSURE	4.5 PSIG		225 PSIG
7. CORROSION ALLOWANCE	NONE		
8. NO. RAZORSHARP EQUIPPED			
9. JUNK EFFICIENCY - 10%			
10. WATERFALL			

D. NOZZLE BOTTOM & ROOF - ASTM A-240 TYPE 304 STAINLESS STEEL
 E. NOZZLE NECKS - ASTM A-312 TYPE 304
 F. STUB ENDS - ASTM A-403 TYPE 304
 D. FLANGE 3 - ASTM A-181 GR. 1 FORGED STEEL
 E. FOLTING 3 - ASTM A-133 E-7 W/ A-134 2H NUTS
 F. FEINRECEIVING PADS - ASTM A-240 TYPE 304
 G. GASKETS - JIM #61 FOR TESTING AND SHIPMENT, AND FLEXITALLIC TYPE
 "C" SHIPPED LOOSE AND UNUSED. (EXCEPT JIM #60 FOR M/H NO32 "L")
 H. CARBON STEEL - ASTM A-36 STRUCTURAL & A-285 C PLATE
 J. FILLER METAL - 308 AND 310 FOR STAINLESS TO CARBON

11. VESSEL SHALL BE THOROUGHLY CLEANED INSIDE AND OUT AND SHALL BE FREE FROM GREASE, MARKING COMPOUNDS, WELD SPATTER, SCALE, SLAG, RUST AND ANY OTHER FOREIGN MATTER. CLEAN WITH STAINLESS WIRE BRUSH AND ACID WASHING.
12. CARBON STEEL PARTS SHALL BE SHOTBLASTED AND PAINTED WITH ONE SHAY COAT OF RED ZINC CHROMATE PRIMER.
13. CUSTOMER INSPECTION IS REQUIRED.
14. SIGHT SURFACES TO HAVE A COMMERCIAL PHOTOGRAPHIC SERRATED FINISH.
15. VESSEL ITEM NO. IS TO BE PAINTED ON VESSEL IN 3" HIGH LETTERS WITH A CHLORIDE FREE PAINT.
16. MAXIMUM INSIDE PROJECTION OF NOZZLES IS TO BE $\frac{1}{2}$ "
17. NAMEPLATE IS TO BE STAINLESS STEEL AND STAMPED WITH THE FOLLOWING INFORMATION:
 - A. NAME OF MANUFACTURER
 - B. DESIGN PRESSURE & TEMPERATURE
 - C. MANUFACTURER'S SERIAL NO.
 - D. YEAR BUILT
 - E. NAME AND ITEM NO. OF VESSEL
18. TWO (2) VESSELS REQUIRED
19. WEIGHTS - EMPTY 15,000#
FULL OF WATER 133,500#
20. ALL FOLT HOLE TO STABLE VESSEL CENTERLINES



NOZZLE	SIZE	"A"	"B"	"C"	"D"	"E"	SIZE, TAPPED HOLE	NO.	STUD LGTH.
N	4"	9"	6 $\frac{1}{2}$ "	7 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "	3/8-11NC x 1/8" DEEP	8	3"	
H	4"	11"	8 $\frac{1}{2}$ "	9 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "	3/8-10NC x 1/4" DEEP	8	3 1/2"	
E	4"	9"	6 $\frac{1}{2}$ "	7 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "	3/8-11NC x 1/8" DEEP	8	3"	



103632

10374

B.P.F. NO. 37514 DATE 10/24/67
APPARATUS T-500

SHEET	1	APPARATUS NO.	1-500 T-2500
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PROJECT & ACCOUNT 36001	2004 2013
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ACCOUNT	26001	2017
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ORDER NO. 336-026-01172

REFERENCE D-67-222
C-67-159

026-2002-53001-4WE-

HERCULES P.O. 336-026-01172-03-000-FCD

HERCULES DWG 026-2004-53004-5WE-

HERCULES DWG. 026-2004-52004-5WE-

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RICHMOND ENGINEERING CO., INC.
RICHMOND VIRGINIA

RICHMOND VIRGINIA

CRUDE CRYSTALLIZER FEED TANK

ITEM NO'S-T-500,T-2500 12'-0"OD x 16'-0" HIGH

ITEM NOS 1500, 1200 12 0 02 X 10 0 11011
FOR-HERCULES POWDER CO.

JOB NO.	SCALE:	NO. SHEETS —
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JOB NO. L-6814.55	SCALE: NONE	NO. SHEETS SHEET NO. —
DRAWN BY	CHECKED	DRAWING NUMBER

DATE	DRAWN BY RMH	CHECKED [Signature]	DRAWING NUMBER 17.151
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DATE	<i>RMH</i>	<i>NYA</i>	D-67-156-1
5-31-67	TRACED BY	APPROVED	

0-31-67	11-11-67	11-11-67	11-11-67
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