

[illegible]

1. RESERVOIR & ACCESSORIES TO BE CONSTRUCTED IN ACCORDANCE WITH CLASS 2A RULES FOR WELDED PRESSURE VESSELS OF LLOYDS REGISTER OF SHIPPING.

2. RESERVOIR TO BE WELDED WITH APPROVED ELECTRODE

3. RESERVOIR TO BE TESTED HYDROSTATICALLY TO 4.55 LBS./SQ. INCH AND TO BE HAMMER TESTED WHILEST UNDER PRESSURE

4. WEIGHT OF HEAD 458 LBS. EACH, SHELL 231 LBS. FLANGE 700 LBS. MANHOLE 14 LBS. TOTAL WEIGHT 585 LBS.

5. THICKNESS OF SHELL

WP =  $\frac{2}{3}(T-2) \times \frac{1000000}{16 \times 4000} = 2608 \text{ PSI}$  ETR =  $\frac{1}{16}$

6. THICKNESS OF HEAD

WP =  $\frac{576 \times 551 \times T}{R} = \frac{255 \times 40}{676 \times 24.57} = 1.0200 \text{ IN}$  ETR =  $\frac{1}{16}$

7. COOPERATION FOR MANHOLE = 185

8. ALL REQUIRED TENSILE, BEND & HYDRAULIC TESTS TO BE IN ACCORDANCE WITH LLOYDS AND GSI RULES

9. CAPACITY OF TANK = 110 CU. FT.

10. WORKING PRESSURE = 250 LBS./SQ. INCH

11. SAFETY VALVE SETTING = 255 LBS./SQ. INCH

12. RESERVOIR TO BE STRESS RELIEVED AFTER WELDING. BY HEATING UNIFORMLY AT A TEMPERATURE BETWEEN 600° & 650° C. AND ALLOWING TO COOL IN STILL AIR

13. BUTTING EDGES OF PLATE FORMING LONGITUDINAL SEAM TO BE IN LINE WITHIN A LIMIT OF 10% OF THE PLATE THICKNESS

14. RESERVOIR IS TO BE WIRE BRUSED AND SCARFED TOGETHER THE INTERSECTIONS TO BE GIVEN ONE COAT OF ANTI CORROSION PAINT. THE OTHER TWO COATS TO BE GIVEN AT 10 DAY INTERVALS

15. TEST RATES TO BE ATTACHED AS CONTINUATION OF APPLICATION OF THE LONGITUDINAL SEAMS ARE REQUIRED BY THE SUBVISION

16. ALL FIVE BOX STEEL TO BE ASTM A-285 GRADE C (CARBON NOT TO EXCEED .25 OPEN HEARTH STEEL)

17. ALL THE CONNECTIONS TO BE RIGID FACE

18. BILL OF MATERIAL

PART NO.	DESCRIPTION	MATERIAL	QTY.	REMARKS
A	1	HEAD WITHOUT MANHOLE	1	
B	1	" WITH MANHOLE	1	
C	1	SHELL R. $\frac{1}{16}$ " 185	1	
D	3	FLANGE R. $\frac{1}{16}$ " 185	3	
E	3	FLANGE R. $\frac{1}{16}$ " 185	3	

19. APPROVALS

20. LLOYDS REGISTER OF SHIPPING

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