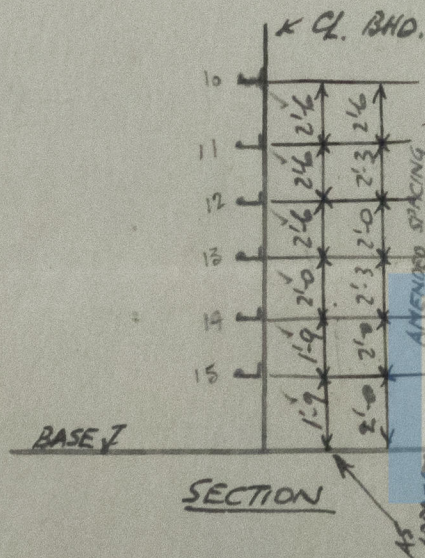


**SIR JAMES LAING & SONS, LTD. YARD NO.776.**

**Proposed Amendments to Centre Line Bulkhead Longitudinals.**

**NOTE:- The 9 x 3 B.A.'s originally approved  
are O.B.S.**

Longitudl	Tank.	APPROVED SCANTLINGS.		NEW SCANTLINGS.	
		B.A.'s	I/Y	B.A.'s	I/Y.
11	1	10 x 3½ x .40 ✓	24.20 ✓	10 x 3½ x .40 ✓	24.20 ✓
	2	8 x 3 x .52 ✓	17.10 ✓	9 x 3½ x .38 ✓	18.40 ✓
	3	Girder		-----	
	4	9 x 3 x .45 (O.B.S.) ✓	19.37 ✓	9 x 3½ x .38 ✓	18.40 ✓
	5	8 x 3 x .52 ✓	17.10 ✓	9 x 3½ x .38 ✓	18.40 ✓
	6	10 x 3½ x .40 ✓	24.20 ✓	10 x 3½ x .40 ✓	24.20 ✓
12	1	10 x 3½ x .42 ✓	24.80 ✓	10 x 3½ x .40 ✓	24.20 ✓
	2	9 x 3 x .38 (OBS) ✓	18.15 ✓	9 x 3½ x .38 ✓	18.40 ✓
	3	9 x 3 x .42 " ✓	18.85 ✓	9 x 3½ x .38 ✓	18.40 ✓
	4	9 x 3 x .56 " ✓	21.20 ✓	9 x 3½ x .38 ✓	18.40 ✓
	5	9 x 3 x .38 " ✓	18.15 ✓	9 x 3½ x .38 ✓	18.40 ✓
	6	10 x 3½ x .40 ✓	24.20 ✓	10 x 3½ x .40 ✓	24.20 ✓
13	1	10 x 3½ x .40 ✓	24.20 ✓	10 x 3½ x .40 ✓	24.20 ✓
	2	8 x 3 x .54 ✓	17.55 ✓	9 x 3½ x .38 ✓	18.40 ✓
	3	9 x 3 x .38 (OBS) ✓	18.15 ✓	9 x 3½ x .38 ✓	18.40 ✓
	4	9 x 3 x .48 " ✓	19.85 ✓	9 x 3½ x .40 ✓	18.90 ✓
	5	8 x 3 x .54 ✓	17.55 ✓	9 x 3½ x .38 ✓	18.40 ✓
	6	10 x 3½ x .40 ✓	24.20 ✓	10 x 3½ x .40 ✓	24.20 ✓
14	1	9 x 3 x .54 (OBS) ✓	20.90 ✓	10 x 3½ x .40 ✓	24.20 ✓
	2	8 x 3 x .46 ✓	15.65 ✓	9 x 3½ x .38 ✓	18.40 ✓
	3	8 x 3 x .51 ✓	16.80 ✓	9 x 3½ x .41 ✓	19.15 ✓
	4	8 x 3 x .54 ✓	17.55 ✓	9 x 3½ x .44 ✓	19.90 ✓
	5	8 x 3 x .46 ✓	15.65 ✓	9 x 3½ x .38 ✓	18.40 ✓
	6	9 x 3 x .50 ✓	20.20 ✓	10 x 3½ x .40 ✓	24.20 ✓
15	1	9 x 3 x .49 (OBS) ✓	20.02 ✓	10 x 3½ x .40 ✓	24.20 ✓
	2	8 x 3 x .45 ✓	15.42 ✓	9 x 3½ x .38 ✓	18.40 ✓
	3	8 x 3 x .50 ✓	16.60 ✓	9 x 3½ x .41 ✓	19.15 ✓
	4	8 x 3 x .52 ✓	17.10 ✓	9 x 3½ x .44 ✓	19.65 ✓
	5	8 x 3 x .45 ✓	15.42 ✓	9 x 3½ x .38 ✓	18.40 ✓
	6	9 x 3 x .46 (OBS) ✓	19.55 ✓	10 x 3½ x .40 ✓	24.20 ✓



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