

13.3.03
23.4.03
1.9.03
14.4.04

Lloyd's Numerals

1/2 Breadth	20.62
Depth (incl. crop)	22.50
1/2 Girth	39.58
1st Numeral	82.40
Lloyd's length 308.33	
25500 2nd Numeral	

$$\frac{308.33}{22.50} = 13.71 \text{ Depth to Main Deck}$$

$$\frac{308.33}{29.50} = 10.45 \text{ Depth to Spar Deck}$$

Equipment Numeral

1/2 Breadth	20.62
Depth	29.50
1/2 Girth	46.58
29815	36
8	308.33
Numeral	30855

Prop. Bridge & Fife
sides 1/20

1/20 Web flanged on face
filled above each bulkhead
and web frame in way of oil

Double 1/2" x 1/2" x 1/2"
for 3 frame spaces on
each side of each
oil tight bulkhead

Double Bottom under Boilers

Item	Quantity
Centre girder	40' x 12" x 1/2"
Side girders	10' x 10"
Margin plate	30' x 1/2"
Inner 13 bottom	1/20
1/20 floor 13 brackets	1/20
1/20 floor 13 angles on top of centre girder	1/20
1/20 floor 13 angles on margin plate	1/20
Side girder shell angle	1/20
do	1/20
Centre girder shell angle	1/20
Reverse frames	1/20
Frames	1/20
Connecting angles 1/2" x 3/4" x 1/2"	1/20
Connecting angles double on centre girder & web frames on outside of margin plate, remainder single	1/20

Equipment

- 2 Bowers 4 3/4" wts. each ex. stock
- 1 Bower 3 7/8" wts. ex. stock
- 1 Stream 1 1/4" wts. ex. stock
- 1 Hedge 5 1/2" wts. ex. stock
- 300 fms. 1 1/2" stud chain cable
- 100 fms. 1/2" stream wire
- 100 fms. 1/2" wire towline
- 90 fms. 1" hemp 3 off
- 90 fms. 6" hemp 1 off

Bank Steamer.

Principal Dimensions.

Length overall	321'-0"
Length between perps	310'-0"
Breadth extreme	41'-6"
Depth moulded (to spar deck)	28'-8"
Depth of hold	24'-5 1/2"
Depth of water (winter & etc)	23'-0"

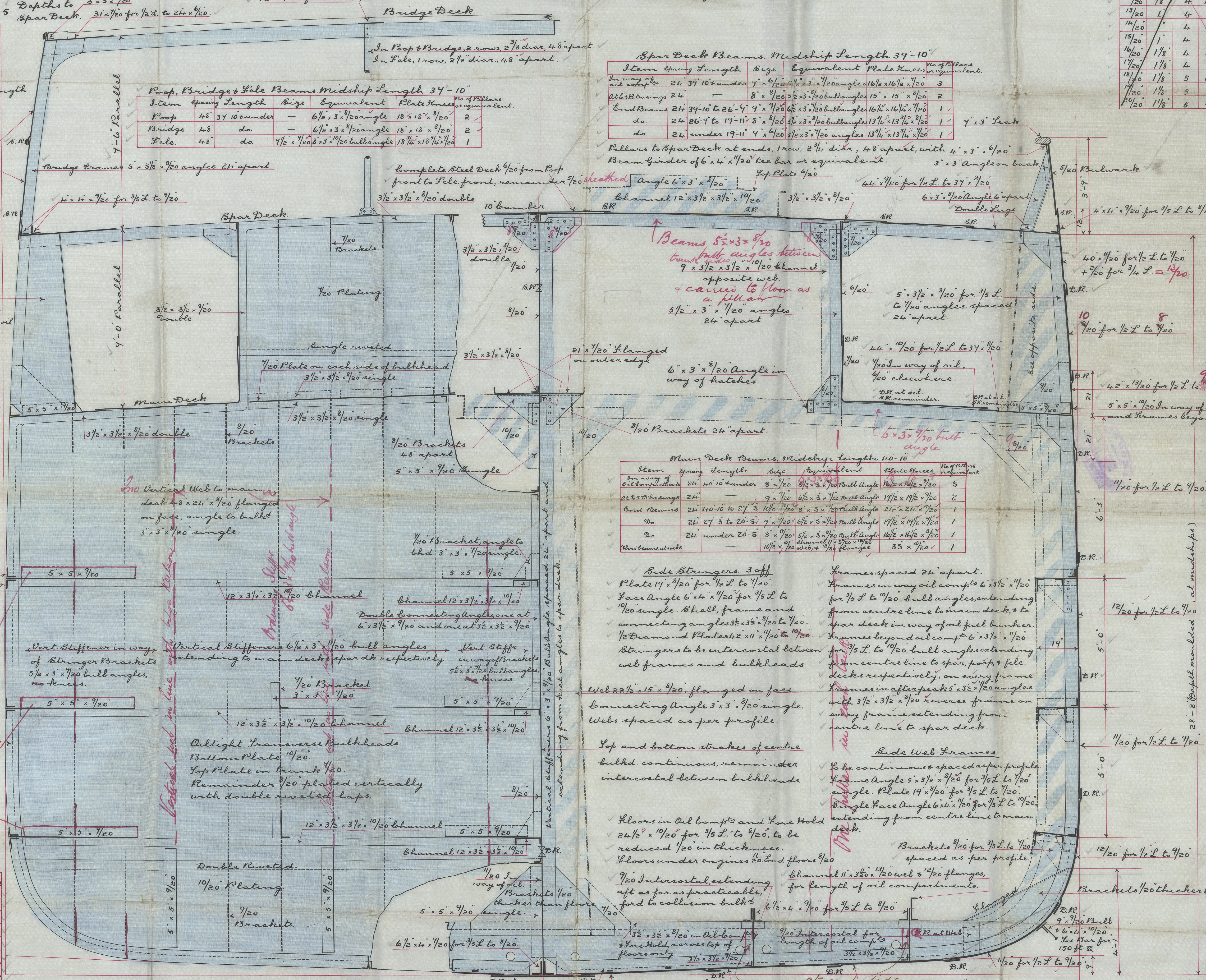
Scale 1/2" = 1 Foot.

Class 100A.1. Spar Deck Lloyd's.

Riveting Table for Lap Joints

Thickness of Plate	Thickness of Rivet	No. of Rivets per inch	Spacing in inches
5/16"	5/16"	2	2 1/2"
3/8"	3/8"	2	3"
1/2"	1/2"	2	3 1/2"
5/8"	5/8"	3	4"
3/4"	3/4"	3	4 1/2"
7/8"	7/8"	4	5"
1"	1"	4	5 1/2"
1 1/8"	1 1/8"	5	6"
1 1/4"	1 1/4"	5	6 1/2"
1 1/2"	1 1/2"	5	6 3/4"
1 3/4"	1 3/4"	5	7"
2"	2"	5	7 1/2"

Spacing of rivets in butt 3 1/2" min.



Ordinary Watertight Bulkheads.
Frame Angle 5' x 3 1/2" x 1/2" to 1/2" double.
Deck Angles 3 1/2" x 3 1/2" x 1/2" double.
Plating, lower half 1/20 upper half 1/20.
Vertical stiffeners below main dk. 5' x 3 1/2" angles.
do. do. above do. 3 1/2" x 3 1/2" angles.
Vertical stiffeners spaced 30' apart.
Horizontal stiffeners as per profile.
with semi for beam as per rule.

Stem 10' x 2 1/4".
Stern Frame 10' x 6".
Rudder Head 8 1/2" dia.
Rudder Pintles 1 1/4" dia.

Side Stiffeners 3 off.
Plate 17' x 1/2" for 1/2" to 1/2".
Face Angle 6' x 1/2" x 1/2" for 1/2" to 1/2".
1/20 angle. Shell frame and connecting angles 3 1/2" x 3 1/2" x 1/2" to 1/2".
1/20 Diamond Plates 1/2" x 11' x 1/2" to 1/2".
Stiffeners to be intercostal between web frames and bulkheads.

Floors in Oil Comp. and Fore Hold.
24' x 1/2" x 1/2" for 1/2" to 1/2", to be reduced 1/20 in thickness.
Floors under engines 20' x 1/2" x 1/2".
1/20 intercostal, extending aft as far as practicable, for collision bulkhead.

12/13

WALKER SHIPYARD, NEWCASTLE-UPON-TYNE.
ENQUIRY NO. 5219/02 DATE 4/3/03

W342-0117

New Armstrong Whitehead & Co
Enquiry No 5210

No. 742

Midship Section

No. 742 S.S. Singu

No. 749 S.S. Breme



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Lloyd's Register
Foundation