

SCALE  $\frac{1}{2}$  INCH = ONE FT

See fair Copy herewith

BRIDGE DK  $\frac{9}{16}$ " IRON Pope  
POOP DK  $\frac{5}{16}$ " "  
FORECASTLE  $\frac{5}{20}$ " STEEL SHEATHED WITH  $2\frac{1}{2}$ " P.PINE

BRIDGE STRINGER  $42" \times \frac{10}{20}$  BUTTS QUADRIPLY NINETEEN  
POOP & FLE - DO -  $36" \times \frac{8}{20}$   
ANGLE  $4 \times 4 \times \frac{10}{20}$  ON BRIDGE  
FINE "  $3 \times 3 \times \frac{8}{20}$  ON POOP & FLE

BIDGE BEAMS	$\frac{7}{8} \times 3 \times \frac{9}{16}$	$\checkmark$	BULB ANGLE ON EVERY FRAME	$\checkmark$	main $\frac{1}{2} \times \frac{9}{16}$ bulb a
"	$6 \times 3 \times \frac{9}{16}$	"	" IN WAY OF STIFFENERS	$\checkmark$	E.H.C. Lacing $\frac{9}{16}$
POOP BEAMS	$6 \times 3 \times \frac{9}{16}$	"	" ON EVERY FRAME	$\checkmark$	
FORECASTLE "	$\frac{7}{8} \times 3 \times \frac{9}{16}$	"	"	$\checkmark$	

NO PILLARS AT SIDES OF HATCHWAYS  
BUT COAMINGS INCREASED AS ON PROFILE

STEEL DK UNDER BRIDGE  $\frac{8}{16}$ " TO  $\frac{7}{16}$ " AT ENDS  
IRON DK IN WELLS THICKNESS AS ON DECK PLANS

STRINGER 59" x  $\frac{10}{20}$  TO 45" x  $\frac{9}{20}$   
ANGLE 4x4 x  $\frac{9 \text{ TO } 8}{20}$  ✓

UNDER 48'-0"

SPAR DK BEAMS UNDER BRIDGE  $9\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{2}$  OR  $12 \times 3\frac{1}{2} \times \frac{1}{2}$  16" CHANNELS 20 ON ALTERNATE FRAMES

-D<sub>1</sub> -D<sub>2</sub> ~~10" CLAS~~ BEAMS  $8 \times 3 \times \frac{1}{2}$  10" BULB ANGLE ON EVERY FRAME  $9\frac{1}{2} \times 12$  10" IN WAY OF HATCHWAYS

-D<sub>1</sub> -D<sub>2</sub> BEAMS IN NELLE  $8\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{2}$  " " " " " "

-D<sub>1</sub> -D<sub>2</sub> -D<sub>3</sub> IN WAY OF HATCHES  $8\frac{1}{2} \times 3 \times \frac{1}{2}$  OR  $12 \times 3\frac{1}{2} \times 3 \times \frac{1}{2}$  CHANNELS ON

D<sub>1</sub> -D<sub>2</sub> HATCH END BEAMS  $12\frac{1}{2} \times 3 \times \frac{1}{2}$  16" CHANNELS  $9\frac{1}{2} \times 12$  ALTERNATE FRAME

BEAMS REDUCED AT ENDS AS PER RULE.

NO PILLARS AT SIDES OF HATCHWAYS  
BUT COAMINGS INCREASED AS ON PROFILE

STEEL DECK  $\frac{7}{16}$ " FOR  $\frac{1}{2}$  L. TO  $\frac{6}{20}$

STRINGER 59" x  $\frac{10}{20}$ " TO  
45" x  $\frac{9}{20}$ " AT ENDS  
4" x 4" x  $\frac{9 \text{ TO } 8}{20}$ .

MAIN OK BEAMS  $10\frac{1}{2} \times 3\frac{1}{2} \times \frac{12}{20}$  BULB ANGLE ON EVERY FRAME OR  $10\frac{1}{2} \times 3\frac{1}{2} \times \frac{12}{20}$  CHANNEL  
 IN WAY OF HATCHES  $8\frac{1}{2} \times 3\frac{1}{2} \times \frac{11}{20}$  -Do- -Do- -Do- -Do- -Do-  
 HATCH END BEAMS  $12 \times 3\frac{1}{2} \times \frac{12}{20}$  beam profile  
 BEAMS REDUCED AT ENDS AS PER RULE

FRAMES  $6\frac{1}{2}" \times 3\frac{1}{2}" \times \frac{1}{16}"$  FOR  $\frac{3}{16}"$  L. TO  $\frac{9}{16}"$  - SPACED 25" APART  
REV. FRAMES  $7" \times 3\frac{1}{2}" \times \frac{10}{20} \frac{9}{16}"$  TO MAIN & SPAR DKS ALTERNATE 8

ALL TO SPAR DK ABAFT AFTER PEAK B.H<sup>o</sup> 2  
IN WAY OF F'CLE TO SPAR & FORECASTLE DK ALTERNATE

FRAMES OUTSIDE PEAK B.H.s  $5\frac{1}{2}" \times 3\frac{1}{2}" \times \frac{3}{16}"$   $6 \times 3\frac{1}{2} \times \frac{9}{16}$

REV. FRAMES OUTSIDE PEAK B.H.P'S  $4\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{2}$ . ✓  
BULKHEADS ALL  $\frac{8}{20}$ . ✓ STIFFENERS  $5\frac{1}{2} \times 3\frac{1}{2} \times \frac{9}{20}$ . ✓ SPACED 30" APART.

HORIZONTAL STIFFENERS ANGLE BULB  $8" \times 3\frac{1}{2}" \times \frac{1}{16}$  IN LINE WITH STRINGERS  
END FLOORS  $3\frac{1}{2}" \times \frac{8}{16}$  TRANSOM FLOOR  $4\frac{1}{2}" \times \frac{1}{16}$

NO PILLARS AT SIDES OF HATCHWAYS  
BUT COAMINGS INCREASED AS  
ON PROFILE

TANK TOP IRON <sup>8"</sup>16 TO <sup>7"</sup>16 IN TS ENDS  
" " IN ENGINE SPACE <sup>10"</sup>16 ✓  
" " IN BOILER SPACE <sup>12"</sup>16 ✓ AND  
UNDER BOILERS INCREASED <sup>12"</sup>16 OVER LLOYDS RULE  
BUTTS DOUBLE RING ALL FORE & AFT

MARGIN PLATE  $3\frac{1}{2}'' \times \frac{1}{16}''$  AND  
 $\frac{12}{20}''$  IN BOILER SPACE ✓  
BUTTS DOUBLE RIV<sup>D</sup> ALL FOREY, AFT  
GUSSETS  $\frac{1}{16}''$  AS PER SKETCH. ✓

$$+ \frac{1}{20} \text{ for } 25'' \text{ frame spacing} = \frac{13\frac{5}{10}}{20}$$

5-7 1/2" NOTE:- FLOORS & REIN. FRAMES INSIDE DOUBLE  
BOTTOM OF IRON IN WAY OF BOILER  
SPACE & 2/6" ABOVE RULES.

60  
SHELL BUTTS FROM A TO C INCLUSIVE TO BE OVERLAPPED  
& TREBLE RIV<sup>2</sup> ALL FORE & AFT, EXCEPT P & Q IN POOR AND  
FORECASTLE WHICH WILL BE DOUBLE RIV<sup>2</sup>, AND WHERE  
STRAKES ARE OVER THE RULE WIDTH, BUTTS TO BE  
QUADRUPLE RIVETED WITHIN THE 1/2 LEN. ONLY  
MAIN, SPAR AND BRIDGE DK STRINGER PLATES OVERLAPPED  
AND TREBLE RIVETED  
POOR AND FORECASTLE STRINGER PLATES OVERLAPPED  
AND DOUBLE RIV<sup>2</sup>

B.C. & STRAKES REDUCED  $\frac{1}{20}$ " INSIDE  
DOUBLE BOTTOM WHEN  $\frac{1}{2}$ " OR OVER

PROVISION OF SECTION 12A WILL BE CARRIED OUT

19. 10. 05  
30. 10. 05  
19. 11. 05  
22. 12. 05  
12. 4. 06.

PARTICULARS FOR FREEBOARD			
LENGTH	ON	L.W. LINE	394' 6"
"	OF	POOP	36' 4"
"	OF	BRIDGE	229' 2"
"	OF	FOOTSTLE	38' 2"
SHEER AFT	AT	STERNPOST	5' 0"
"	$\frac{1}{8}$ "	FROM	"
"	$\frac{1}{8}$ "	"	STEM.
"	AT	"	10' 0"
DEPTH	MOLDED	"	29' 10"
TONNAGE	COEFF.		.82

SUMMER FREEBOARD FROM TOP OF  
STATUTORY DECK LINE = 5'7"

SPR DR NO	THIRN
76 7-116	THIRN DMS
51-66	43-66
24-87	24-87
30-83	22-87
107-36	91-140
157 No	157 No
100-36	298
398	73120
80288	82260
90324	27420
30108	3647720
2 No	2 No
3994328	

BREADTHS TO LENGTH = 8.00  
DEPTH TO " = 12.91 S.DX

EQUIPMENT NO

107.86

398

85888

96624

32208

42727.28

36077.79

242.18

187.50

120.00

46884.75

POOD 34905 5455

3542 + 229.16 + 37.58 x 7.96 x 1.5

31.25 x 7.75 x 1

25.00 x 7.50 x 1

16.00 x 7.50 x 1

EQ. NO

<u>EQUIPMENT</u>		
ANCHORS	STOCKLESS	63 $\frac{3}{4}$ CMTS.
D <sup>o</sup>	D <sup>o</sup>	54 $\frac{1}{2}$ D <sup>o</sup>
D <sup>o</sup>	EX. STOCK	17 $\frac{1}{2}$ D <sup>o</sup>
D <sup>o</sup>	D <sup>o</sup>	7 $\frac{1}{2}$ D <sup>o</sup>
2 $\frac{1}{16}$ " STUD CHAIN CABLE		
14 $\frac{3}{16}$ " STEEL WIRE, IN LIEU OF STRENGTH CHAIN		
5" "	D <sup>o</sup>	TOWLINE
2 $\frac{3}{4}$ "	D <sup>o</sup>	HANSER
2 $\frac{1}{2}$ "	D <sup>o</sup>	WARP

STEM  $11" \times 3"$  RULE  $36" \frac{18}{20}$  To  $20 \frac{16}{20}$  PRO  
STERNPOST  $11" \times 7"$  WITH DOUBLING FOR  $\frac{16}{20}$   
RUDDER HEAD  $10" \text{ DIA}$  PROPOSED  $36" \frac{18}{20}$  FOR  $\frac{16}{20}$   
PINTLES  $5"$   $\frac{18}{20}$  FOR  $\frac{16}{20}$ ,  $\frac{16}{20}$  FOR  $\frac{16}{20}$  AT ENDS  
PLATE  $22 \frac{1}{2}" \frac{1}{20}$  NO DOUBLING ✓  
DOUBLE BUTTSTRAPS TREBLE

$\frac{14}{20}$  For  $\frac{13}{20}$  To 20  
 $\frac{15}{20}$  For  $\frac{16}{20}$  To 20  
 $\frac{13}{20}$  AT ENDS  
 B.  $\frac{12}{20}$  To 9  
 C.  $\frac{13}{20}$  To 10  
 D.  $\frac{12}{20}$  To 9  
 +  $\frac{1}{20}$  for 25 spacing  
 +  $\frac{1}{20}$  for 25 spacing  
 +  $\frac{1}{20}$  for 25 spacing

B.C. & STRAKES REDUCED  $\frac{1}{20}$ " INSIDE  
DOUBLE BOTTOM WHEN  $\frac{1}{2}$ " OR OVER

PROVISION OF SECTION 12A WILL BE CARRIED OUT

4.6.06

C.B.  
1910-11

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Lloyd's Register  
Foundation



Middle P. Section

Mc Millan & Son's

No. 407.410

Bloomfontaine.

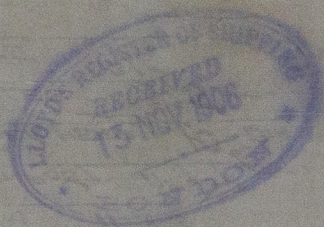


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Bloemfontein  
Gls. npt. no. 24612



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MIDSHIP SECT

S.S. No 107

Scale 1/2 inch = 10 ft

Dimensions 100' 0" 89' 13" 8'

To Class 100 ft 25'

BRIDGE DECK 100' 0" 89' 13" 8'  
FOOD DECK 100' 0" 89' 13" 8'  
FORECASTLE 100' 0" 89' 13" 8'

BRIDGE DECK 100' 0" 89' 13" 8'  
FOOD DECK 100' 0" 89' 13" 8'  
FORECASTLE 100' 0" 89' 13" 8'

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FOOD DECK 100' 0" 89' 13" 8'  
FORECASTLE 100' 0" 89' 13" 8'



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