

MIDSHIP SECTION

S. S. N° 610

DIMS. 400' B.P. x 51'-10" EXT. x 51'-8" MLD x 29'-6 1/4" MLD.

TO CLASS 100 A.I. AT LLOYDS SPECIAL SURVEY SPAR DECK RULE

SCALE 1/2" = 1 FOOT.



NOTE: THE SCANTLINGS & DETAILS OF CONSTRUCTION NOTED HEREON ARE SUBMITTED ON THE UNDERSTANDING THAT THEY ARE THE MINIMUM WHICH WILL BE ACCEPTED FOR CLASS. AND IF NOT THEY ARE TO BE AMENDED. ERRORS AND OMISSIONS EXCEPTED.

BRIDGE DECK 119'-2" x 8'-0"
STEEL DECK 1/20 BUTTS LAPPED & 2 R.
SHEATHED WITH 2 1/2" PLATE IN WAY OF HOUSES OR MURUM
EXPOSED DECK TO BE INCREASED 1/20"

STRINGER 42" x 1/20
BUTTS LAPPED & 4 R.
STRINGER ANGLE 5 x 5 x 1/20

BEAMS 6 x 3 x 1/20 ANGLE 26" APART.
1/2 BEAMS IN WAY OF CASING 6 x 3 x 1/20 ANGLE WITH GIRDER CONTINUOUS
OR 7 x 3 x 1/20 B.A. 26" APART WITHOUT GIRDER

POOP DECK 46'-5" x 8'-0"
BEAMS 9 x 3 1/2 x 1/20 B.A. ON ALT. FR. KNEE 22 x 1/20
STRINGER 30" x 1/20 ANGLE 3 x 3 x 1/20
STEEL DECK 1/20 1/20 DECK FITTED
PILLARS 2 1/2" DIA. 1 ROW SIZE.

FORECASTLE 45'-11" x 8'-0"
BEAMS 9 x 3 1/2 x 1/20 52" APART. KNEE 24 x 1/20
STRINGER 30" x 1/20 ANGLE 3 x 3 x 1/20
STEEL DECK 1/20 1/20 AT WINDLASS, SHEATHED 2 1/2" P.P.
PILLARS 2 1/2" DIA. 2 ROW SIZE.

EQUIPMENT NUMERAL

1/2 BREADTH.	25.83
1/2 GIRTH.	52.20
DEPTH.	30.56
	108.59
LENGTH.	397.25
	43137.37
POOP 46'-5" x 8' BRIDGE 119'-2"	2538.0
8'-0" FORECASTLE 45'-11"	45675.37
ERECTOR ON ERECTOR (70' x 7')	507.50
EQUIPMENT NUMERAL	46182.87

END COAMING.

BEAMS 7 x 3 x 1/20 B.A. 26" APART.
1/2 BEAMS IN WAY OF CASING 8 x 3 x 1/20 B.A. 26" APART.

STEEL DECK 5'-7-6 20" IN BRIDGE
BUTTS LAPPED & 2 R. FOR 1/20
I.R. AT ENDS
EXPOSED DECK TO BE INCREASED 1/20"

FOR WEB FRAMES IN BRIDGE SPACE SEE PROFILE.
STRINGER 61 x 1/20 FOR 1/20
TO 48 x 1/20 AT ENDS
INCREASED 1/20 FROM WITHIN
BRIDGE TO 1/20 BUTTS LAPPED
& 4 R. FOR 1/20 3 R. AT ENDS
& IN BRIDGE 1/20 AT BRIDGE ENDS.
UNDER 50'-0"

NUMERALS

1/2 BREADTH.	25.83	3 DECK RULE
DEPTH.	22.56	1" 101.59
1/2 GIRTH.	44.20	2" 40356
1" NUMERAL.	92.59	
LENGTH.	397.25	
2" NUMERAL.	36781.37	

PROPORTIONS

DEPTH TO LENGTH TO SPAR DECK	12.99
" " " " MAIN "	17.60
BEAMS TO LENGTH.	7.68

STEEL DECK 8'-7-6 20"
BUTTS LAPPED & 2 R. FOR 1/20
I.R. AT ENDS

STRINGER 61 x 1/20 FOR 1/20
TO 48 x 1/20 AT ENDS
BUTTS LAPPED & 3 R.
ANGLE 3 1/2 x 1/20
WITH 3 1/2" FLANGE TO DECK

EQUIPMENT

2 BOWER ANCHORS 48 CHTS. EX STOCK	
1 " " 40 1/2 " " "	
1 STREAM " 16 1/2 " " "	
1 KEDGE " 7 " " "	
270 FATHS. 3/16" STUO CHAIN CABLE	645.3.0
90 FATHS. 1/16" STREAM CHAIN OR 4 1/2" STEEL WIRE.	
120 FATHS. 1/4" TON. LINE OR 4 1/2" STEEL WIRE.	
2 WARPS 8" 90 FATHS EACH OR 2 1/2" STEEL WIRE.	
2 " 7" 90 " " " 2 1/2" " "	

COAMING 9" ABOVE BEAMS.

BEAMS 11 x 3 1/2 x 3 1/2 x 1/20 CHANNEL 52" APART.
1/2 BEAMS IN WAY OF CASING 12 x 3 1/2 x 3 1/2 x 1/20 52" APART.
BEAMS IN WAY OF DEEP TANK. 8 x 3 x 1/20 B.A. 26" APART.

FOR ARRANGEMENT OF GIRDERS &

STEM 11 x 3" STERNPOST 11 x 7" RUDDER 9 1/2"
PROPELLOR POST CONNECTED TO DECK PLATING.
FRAMES 6 x 3 1/2 x 1/20 FOR 1/20 8 1/20 AT ENDS
FORMING 7" GIRDER 26" APART.
REVERSE FRAMES 7 1/2 x 3 1/2 x 1/20 FOR 1/20 20 TO 7 1/2 x 3 1/2
SPAR DECK ALTERNATELY. ALTERNATELY TO FORECASTLE
REVERSE FRAMES IN PEAKS 4 x 3 1/2 x 1/20 ALL TO SPAR
ALTERNATELY TO SPAR & FORECASTLE DECK. FORD OF FORE
BULKHEADS. LOWER HALF 1/20 UPPER HALF 1/20
SINGLE AT PEAK BULKHEADS 5 x 5 x 1/20 VERTICAL
30" APART & BRACKETED TOP & BOTTOM. NO SEMI BOX
MAIN & SPAR DECKS 4 x 3 x 1/20 SINGLE ANGLE TO
TUNNEL 1/20 1/20 UNDER HATCHES. STIFFS 4 x 3 x 1/20
AFTER HOODS OF PLATING ON PROPELLOR POST TO BE SAME
BOSS PLATES & PLATES ABOVE & BELOW TO BE 1/20 THICKER
RIVETS IN SHELL & STRINGER BUTTS 3 1/2" DIA CR TO CR
RIVETS IN FRAMES & REVERSE FRAMES 7 DIARS CR TO CR
RIVETS IN BUTTS & EDGES OF INNER BOTTOM
RIVETS IN STEM & STERNPOST 1 1/2" SPACED 5 1/2" CR TO
2 RIVETS THROUGH FRAMES WHERE JOGGLED IN WAY
TANK TOP, FLOORS & INTERCOSTALS UNDER BOILERS
TANK TOP IN HOLD INCREASED 1/20

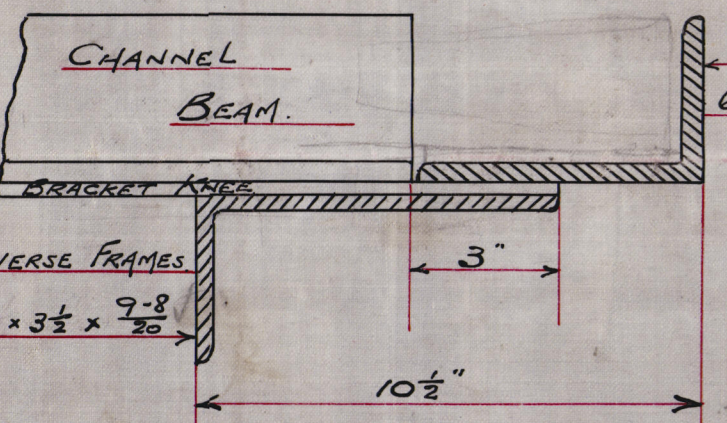
QUARTER PILLARS SEE PROFILE PLAN.

AT HEAD 4 3/4 AT PINTLES. as per approved plans.

26" APART FRAMES IN PEAKS 6 x 3 1/2 x 1/20

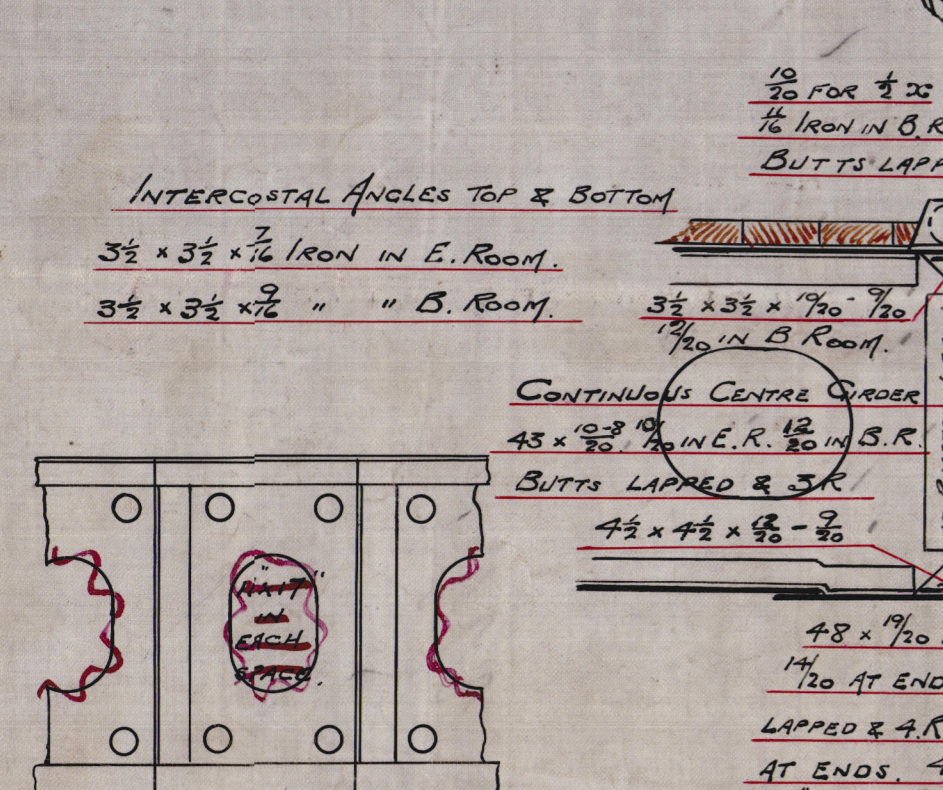
1/20 AT ENDS. TO MAIN AND
& MAIN DECKS. ART OF FORE PEAK BND.
DECK ART OF AFTER PEAK BULKHEAD.
PEAK BULKHEAD.
BND. FRAMES 5 x 5 x 1/20 SINGLE
STIFFS. ONLY 9 x 3 1/2 x 1/20 B.A. SPACED
BEAMS FITTED. STIFFS BETWEEN
TANK TOP 5 x 5 x 1/20. TO DECK 3 1/2 x 3 1/2 x 1/20 5' x 5' x 1/20
4'-0" APART. 3'-0" UNDER HATCHES.
THICKNESS AS STRAKES AMIDSHIPS.
THAN STRAKES AMIDSHIPS
4 DIARS IN 4 R. BUTTS.
IN FRAMES & SHELL PLATING 6 DIARS CR TO CR
PLATING 4 DIARS CR TO CR.
CR. RUDDER 1 1/2" 4 1/2" DIA APART
OF PLATE LANDINGS.
INCREASED 1/20 OF IRON. 1/20 UNDER ENGINES
MARGIN PLATE STEEL INCREASED 20%

INTERCOSTAL STRINGER PLATE 9 1/2"
ANGLE 6 1/2 x 3 1/2 x 1/20 6 1/2" FLANGE OF ANGLE ON
REVERSE FRAMES WITH 2 RIVETS IN EACH FLANGE
NO LUGS FITTED. INTERCOSTAL ANGLE 5 1/2 x 3 1/2 x 1/20



SECTION OF DEEP FRAMING.

SCALE 3" = 1'-0".



ELEVATION OF CENTRE GIRDER
CLEAR OF ENGINE ROOM.

KEEL

MIDSHIP THICKNESS CARRIED TO COLLISION BULKHEAD.
NO REDUCTION OF PLATING IN WAY OF DOUBLE BOTTOM

20.5.89.

TONNAGE COEFF. UNDER .78

NOTE
BUTTS OF OUTSIDE STRAKES WHERE
46" WIDE & UNDER. & INSIDE
STRAKES WHERE 54" WIDE & UNDER
TO BE LAPPED 3 R.

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Midship Section
Russell No. S.S. No 610

S. S. Kirkdale
Greenock Report No. 15699

W573-0034



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