

# S.S. "CLAN MACFARLANE". MIDSHIP SECTION.

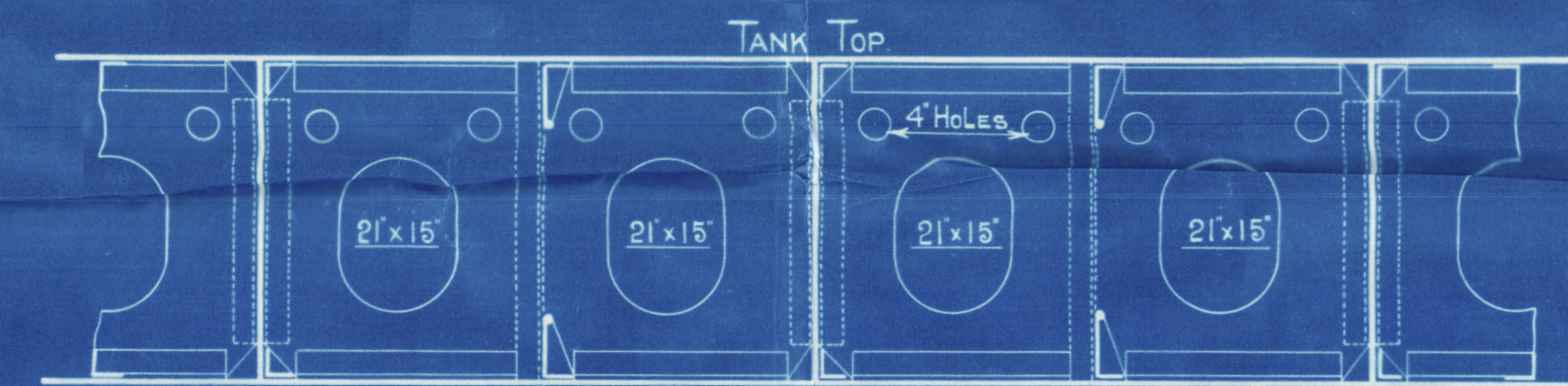
SCALE - 1/2" = 1 FOOT.

DIMENSIONS - 415'-0" BP x 53'-3" BM x 28'-0" DM. TO UPPER DECK.  
CLASSED 100 A1+ (AWNING DECK) AT LLOYDS-SPECIAL SURVEY.

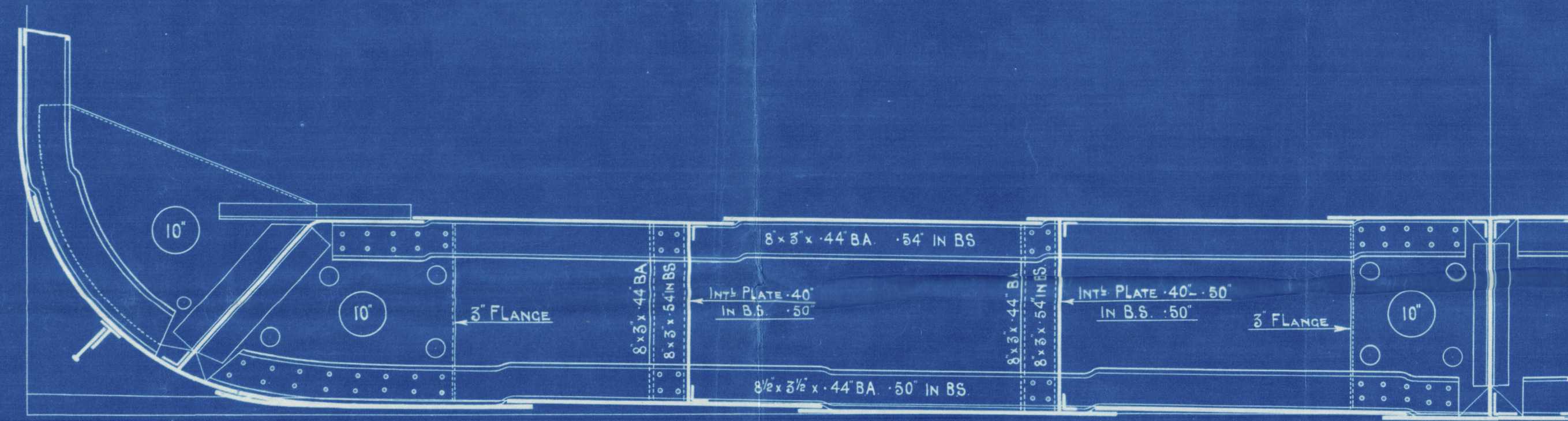
NUMERALS.	
B	83.25
D	88.00
1 <sup>st</sup> NUMBER	81.25
2 <sup>nd</sup> NUMBER	415.00
3 <sup>rd</sup> NUMBER	88.719

PROPORTIONS.	
L/D	11.5
L/B	16.5
L/T	24.5 WHERE NO 2 <sup>nd</sup> DECK.

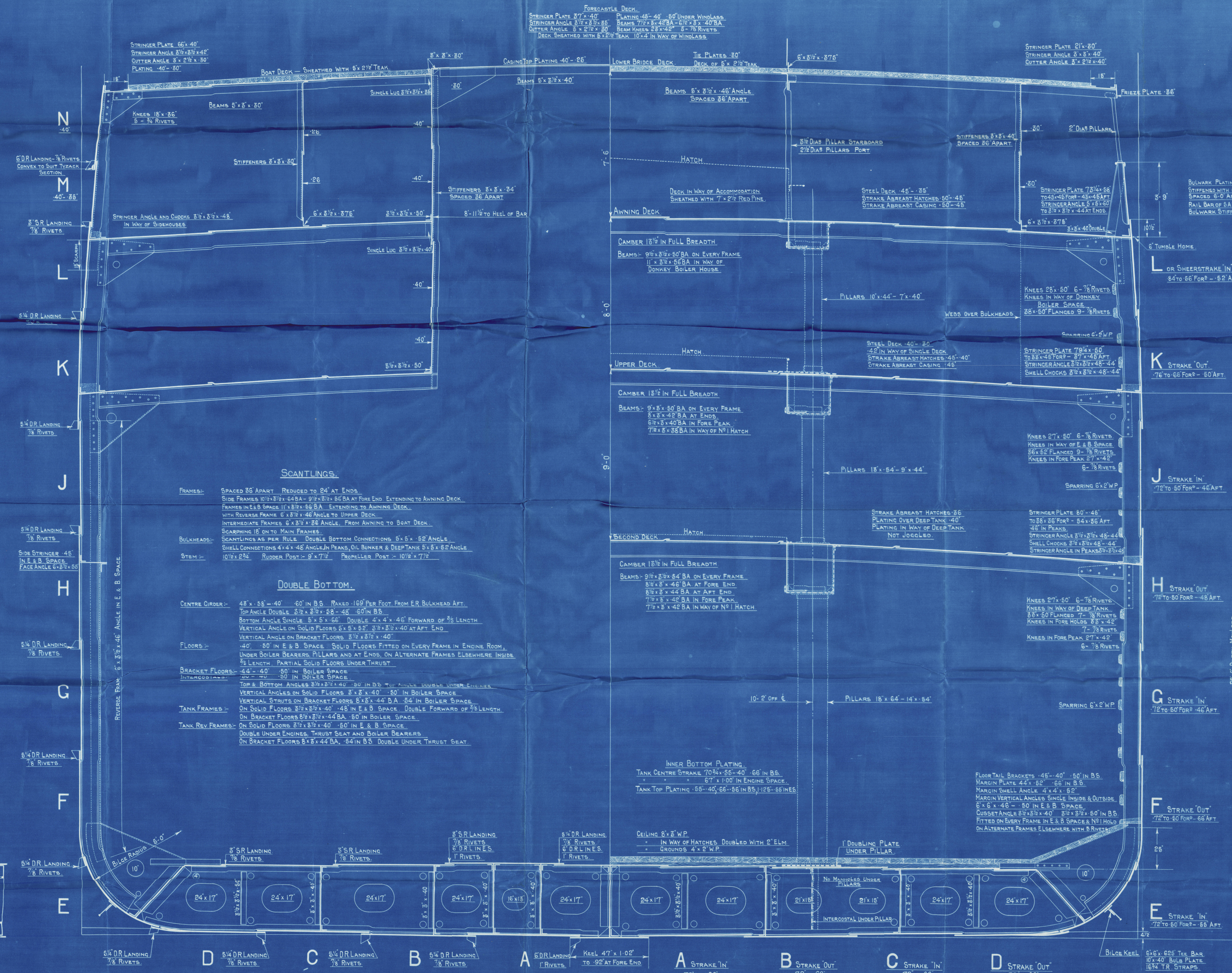
EQUIPMENT.	
2 BOW ANCHORS EACH 60% OVER STOCKLESS	
1 SPACE BOW ANCHOR 60% OVER	
1 STREAM ANCHOR 110% OVER EX STOCK	
1 KEDGE ANCHOR 70% OVER EX STOCK	
270 FATHOMS 2 1/2" STW-CHAIN CABLE	
105 - 4 1/2" STEEL WIRE (AS PER SPECIFICATION)	
120 - 5" STEEL WIRE TOWLINE	
4 @ 90 FATHOMS 5" HAWKERS & WARPS (AS PER SPECIFICATION)	
4 @ 90 - 7"	



ELEVATION OF TANK INTERCOASTAL.



SECTION IN WAY OF BRACKET FLOOR.



## SCANTLINGS.

FRAMES: SPACES 35' APART. REDUCED TO 24' AT ENDS.  
SIDE FRAMES 10 1/2" x 11" 64 BA. 2 1/2" x 11" 64 BA AT FORE END. EXTENDING TO AWNING DECK.  
FRAMES IN 8" SPACE 11" x 8" 64 BA. EXTENDING TO AWNING DECK.  
WITH REVERSE FRAMES 6" x 8" 64 BA AT UPPER DECK.  
INTERMEDIATE FRAMES 6" x 8" 64 BA. FROM AWNING TO BOAT DECK.  
SCANTLING 15 ONTO MAIN FRAMES.  
BULKHEADS: SCANTLING AS PER RULE. DOUBLE BOTTOM CONNECTIONS 6" x 6" 64 BA.  
SHELL CONNECTIONS 4" x 4" 48 ANGLE IN PEAKS, OIL BUNKER & DEPT TANK 5" x 5" 64 ANGLE.  
STEM: 10" x 24". RUBBER POST - 9" x 7 1/2". PROPELLER POST - 10" x 7 1/2".

## DOUBLE BOTTOM.

CENTRE GIRDER: 48" x 58" - 40' 60" IN B.S. RAKED 1/60 PER FOOT FROM E.R. BULKHEAD AFT.  
100 ANGLE DOUBLE 8 1/2" x 8 1/2" 68 - 48' 60" IN B.S.  
BOTTOM ANGLE SINGLE 8 1/2" x 5 1/2" 60. DOUBLE 4" x 4" 48' FORWARD OF 3/8" LENGTH.  
VERTICAL ANGLE ON SOLID FLOORS 5" x 5" 62. 3" x 3" 40 AT AFT END.  
VERTICAL ANGLE ON BRACKET FLOORS 8 1/2" x 8 1/2" 40.  
FLOORS: 40' 60" IN E & B. SPACE. SOLID FLOORS FITTED ON EVERY FRAME IN ENGINE ROOM.  
UNDER SOLE BEARERS, PILLARS AND AT ENDS. ON ALTERNATE FRAMES ELSEWHERE INSIDE.  
3/8" LENGTH. PARTIAL SOLID FLOORS UNDER THRUST.  
BRACKET FLOORS: 44' - 40' 60" IN BOLLER SPACE.  
TOP & BOTTOM ANGLES 8 1/2" x 8 1/2" 40. 30" IN D.B. TO ANGLE DOUBLE UNDER ENGINE.  
VERTICAL ANGLE ON SOLID FLOORS 8" x 8" 40. 30" IN BOLLER SPACE.  
VERTICAL STRUTS ON BRACKET FLOORS 8 1/2" x 4 1/2" 84 IN BOLLER SPACE.  
ON SOLID FLOORS 2 1/2" x 3 1/2" 40. 48" IN E & B. SPACE. DOUBLE FORWARD OF 3/8" LENGTH.  
ON BRACKET FLOORS 2 1/2" x 3 1/2" 44 BA. 150 IN BOLLER SPACE.  
ON SOLID FLOORS 2 1/2" x 3 1/2" 40. 60" IN E & B. SPACE.  
DOUBLE UNDER ENGINE. THRUST SEAT AND BOLLER BEARERS.  
ON BRACKET FLOORS 8 1/2" x 4 1/2" 84 IN B.S. DOUBLE UNDER THRUST SEAT.

## SECTION THRO' ENGINE SPACE.

## RIVETING.

SHELL: RIVETS THRO' SHELL PLATING 7/8" DIA.  
1" DIA IN KEEL BEAMS 1 1/8" DIA IN KEEL BUTTS.  
BUTTS OF KEEL PLATES 4 R. OVERLAPS.  
BUTTS OF SHEERSTRACKS 84" 5 R. OVERLAPS.  
BUTTS OF SHELL PLATING ABOVE 68' 4 R. 68' UNDER 8 R. OVERLAPS.  
SEAMS OF SHELL PLATING DOUBLE RIVETED.  
BUTTS OF BRIDGE SHELL PLATING 2 R. OVERLAPS. SEAMS 2 R. & 1 R.  
BULKHEAD PLATING 1 R.  
DOUBLE BOTTOM: RIVETS 3/4" DIA IN FRAME WORK.  
RIVETS THRO' INNER BOTTOM PLATING 7/8" DIA.  
BUTTS OF CENTRE GIRDER 8 R. OVERLAPS.  
BUTTS OF INNER BOTTOM CENTRE STRAKE 5 R. OVERLAPS.  
BUTTS OF INNER BOTTOM PLATING 6 R. OVERLAPS.  
BUTTS OF MARGIN PLATES 7/8" DIA RIVETS. 5 R. OVERLAPS.  
INNER BOTTOM CENTRE STRAKE SEAM 2 R.  
REMAINDER OF INNER BOTTOM SEAM 1 R.  
DECK: RIVETS THRO' DECK PLATING 7/8" DIA.  
BUTTS OF AWNING DECK STRINGER 4 R. FOR 3/8" L. TO 3 R. OVERLAPS.  
BUTTS OF UPPER DECK STRINGER 4 R. FOR 3/8" L. TO 3 R. OVERLAPS.  
BUTTS OF SECOND DECK STRINGER 3 R. FOR 3/8" L. TO 2 R. OVERLAPS.  
BUTTS OF AWNING DECK PLATING 2 R. OVERLAPS. 48" AND UNDER.  
BEYOND 3/8" L. R.  
BUTTS OF UPPER & SECOND DECKS 2 R. OVERLAPS FOR 3/8" L. REMAINDER 1 R.  
SEAMS OF DECK PLATING 1 R.  
SEAMS OF DECK PLATING IN WAY OF OIL BUNKERS D.R.  
OIL BUNKERS: RIVETS 3/4" DIA.  
SEAMS AND BUTTS DOUBLE RIVETED. RIVETS SPACES 3 1/2" DIA.  
BOUNDARY BARS DOUBLE REEL RIVETED. RIVETS SPACES 5 DIA.  
STIFFENERS.

## SPACING OF RIVETS.

ITEM	APART
FRAMES TO SHELL PLATING	24" - 68"
IN LANDINGS	8 1/2"
REVERSE FRAMES TO INNER BOTTOM PLATING	84" - 708"
FRAMES AND REVERSE FRAMES TO FLOORS	7 DIA
SEAMS OF INNER BOTTOM PLATING	8 1/2"
WT BULKHEAD STIFFENERS	8 1/2" - 68"
WT BULKHEAD STIFFENERS (DEEP TANK)	8 - 6"
SEAMS TO DECK PLATING	8 - 6"
SEAMS TO DECK PLATING (DEEP TANK)	8 - 6"
DECK PLATING SEAMS (DEEP TANK)	8 1/2"

\* MULTIPLE SPACING.



Clan Macfarlane

(Ayrshire Dockyard No 490).

Midship - Section ✓

Glasgow Report No 42508.

RETAIN

Ayrshire

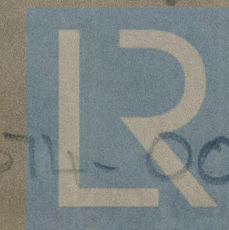
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