

MIDSHIP SECTION.

Nos 437-9.

SCALE 1/2" = ONE FOOT.

COMPLETE SUPERSTRUCTURE RULE

CLASS 100 A1. WITH FREEBOARD CORRESPONDING TO A DRAUGHT NOT EXCEEDING THAT CONTEMPLATED BY THE RULES FOR A COMPLETE SUPERSTRUCTURE VESSEL HAVING A TONNAGE OPENING

PILLARS 2 1/2" DIA SPACED 62" APART OR 4x4 50 ANGLES where depth not exceeding 8'-6" from 8'-6" to 10'-0" 10'-0" to 12'-0"

DIMENSIONS	
LENGTH ON LWL	425.6
BREADTH MLD	57.8
DEPTH MLD (UPPER DX)	36.6
(2ND DX)	28.6

LLSYDS NUMBERS	
L x D = 425.6 x 36.6	15530
L x (B+D) = 425.6 x 94.4	40065
B = 57.8	66
d = 28.6 - 3.625	24.975
KNEES INCREASED 1/2" IN DEPTH SO d = 24.875	

OUTFIT NUMBER	
L x (B+D) 425.6 x 94.4	40065
HOLDS 28 x 58 x 86 x 75 x 1/2	322
EQUIP No =	40387
OUTFIT	
25 STOCKLESS ANCHORS 68 CWT EACH	
1 STREAM ANCHOR 19 EX STOCK	
270 FATHOMS 2 5/16 CABLE	
90 1 5/16 STEAM CABLE OR 5 WIRE	
120 15 HEMP OR 5 1/2 WIRE TOWLINE	
2 AT 90 8 HEMP 2 1/4 WIRE	
2 AT 90 7 HEMP 2 1/2 WIRE	

TUNNEL TOP PLATING 30 x 40 UNDER HATCHES
TUNNEL SIDE PLATING 37
TUNNEL STIFFENERS 5 1/2 x 30 BA - 3' APART
4 x 3 x 34 ANGLES ROUND TOP WHERE LEFT LOOSE FOR SHIPPING SHAPING

TANK TOP CENTRE 78 x 50 TO 44 OR 54 x 52 TO 44 IN HOLDS AND ENGINE ROOM - 58 THICK IN BOILER SPACE
BUTTS TREBLE FOR 1/2 LENGTH TO DOUBLE AT ENDS.

6.6 LUG RIVETED TO STIFFENER & FOUNDATION ANGLE
CENTRE KEELSON TOP ANGLES DOUBLE 3 1/2 x 3 1/2 x 54 IN ENGINE ROOM - 64 IN BOILER SPACE
DOUBLE 3 1/2 x 3 1/2 x 50 FORWARD OF 1/3 LENGTH SINGLE 6.6 x 54 TO 50 ELSEWHERE
CENTRE KEELSON 4 1/2 x 58 TO 46 IN HOLDS & ENGINE ROOM - 64 IN BOILER SPACE
LUGS ON SOLID FLOORS UNDER ENGINE SEAT & THRUST SEAT 6.6 x 45 SINGLE UNDER BOILER GIRDERS 6.6 x 55 SINGLE ELSEWHERE & ON ALL BRACKETS 5 1/2 x 45 SINGLE - 55 IN BOILER SPACE
KEEL ANGLES DOUBLE 4 x 4 x 62 TO 56 IN ENGINE ROOM & FORWARD OF 1/3 LENGTH SINGLE 6.6 x 62 TO 56 ELSEWHERE

14.2.29

IN WAY OF BULKWARK 78 x 75 TO 47
CLEAR OF BULKWARK 74 x 75 TO 47
BUTTS QUAD TO TREBLE

30 BULKWARK AMIDSHIPS AND FORWARD

UPPER DECK STRINGER 73 x 58 TO 44 x 43
BUTTS QUAD FOR 1/2 LEN TREBLE AT ENDS
STRINGER ANGLE 6.6 x 62 TO 3 1/2 x 43

UPPER DECK OUTSIDE LINE OF OPENINGS 56 TO 36
BUTTS TREBLE TO SINGLE

DECK PLATING BETWEEN HATCHES 41 TO 36
BUTTS DOUBLE TO SINGLE

LENGTH 56.78

6.4 x 60 A. RUNNER

UPPER DECK BEAMS 8 x 3 1/2 x 42 BA (NBS) SPACED 3' APART FROM 18' FORWARD TO AFTER PEAK BHP
8 x 3 1/2 x 39 BA (NBS) 27
KNEES 28 x 47
28 x 47
(and in way of bulkhead)

FRAMES IN SHELTER DX 9 x 3 1/2 x 32 BA 13 NBS FRAMES 0-11 AT EVERY FRAME (SCARPHED) SPACED 3' APART
6 1/2 x 3 1/2 x 44 0.0 24 x 7 1/2 x 40 12
6 1/2 x 3 1/2 x 46 22 x 135
6 1/2 x 3 1/2 x 35 BA 165 STEM
ALTERNATE FRAMES FROM 12 x 3 1/2 x 32 BA SCARPHED CARRIED UP TO SHELTER FROM SILGE DX
13 x 8 1/2 x 32 BA

2ND DECK STRINGER 73 x 40 x 37 x 35
BUTTS DOUBLE

2ND DECK PLATING OUTSIDE LINE OF OPENINGS 37 TO 31
OVER DEEP TANK 41
BUTTS DOUBLE TO SINGLE

2ND DECK PLATING BETWEEN HATCHES 34 TO 31
BUTTS DOUBLE TO SINGLE

LENGTH 57.6

PILLARS TO HAVE BEARING FIT AT KEEL

2ND DECK

14 1/2 CAMBER

2ND DECK BEAMS 8 x 3 x 32 BA WITH KNEES 28 x 48 SPACED 3' APART WHERE DEPTH OF TWEEN DX DOES NOT EXCEED 8'-6" OVER FORE PEAK TANK
8 1/2 x 3 x 36 28 x 48 24
8 1/2 x 3 x 46 28 x 48 31
8 1/2 x 3 x 36 28 x 48 27
8 1/2 x 3 x 46 28 x 48 31
8 1/2 x 3 x 39 28 x 48 27
8 1/2 x 3 x 46 28 x 48 27
8 1/2 x 3 x 46 28 x 48 27
9 x 3 1/2 x 42 NBS 28 x 48 31
WHERE DEPTH OF TWEEN DX DOES NOT EXCEED 10'-0" TO 10'-6" 10'-6" TO 11'-0"
IN WAY OF DEEP TANK

STRUTS 8 x 3 1/2 x 40 BA ON EVERY 4TH FRAME

FRAMING

FRAMES IN AFTER PEAK 0 x 3 1/2 x 31 BA NBS SPACED 24" APART
13 TO 16 11 x 3 1/2 x 42 BA NBS 31
17 x 59 12 x 4 x 4 x 51 CHANNELS NBS SPACED 3' APART
6 1/2 x 70 0 x 3 1/2 x 48 BA NBS SPACED 3' APART IN DEEP TANK
72 22 0 x 3 1/2 x 39 (0-06) IN BOILER SPACE & PERMANENT BUNKERS
135 153 12 x 4 x 4 x 51 NBS CHANNELS SPACED 3' APART
154 161 12 x 4 x 4 x 52 CH NBS SPACED 27
163 STEM 9 x 3 1/2 x 39 BA NBS 24

FRAMES INCREASED 106 INSIDE PERMANENT BUNKERS & BOILER SPACE.

3 1/2 x 3 1/2 x 40

40 BKT

BRACKETS ON EVERY 2ND FRAME

5 1/2 x 7/8 R

69 x 60 TO 47

5 1/2 x 7/8 R

69 x 60 TO 47

5 1/2 x 7/8 R

69 x 60 TO 47

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5 1/2 x 7/8 R

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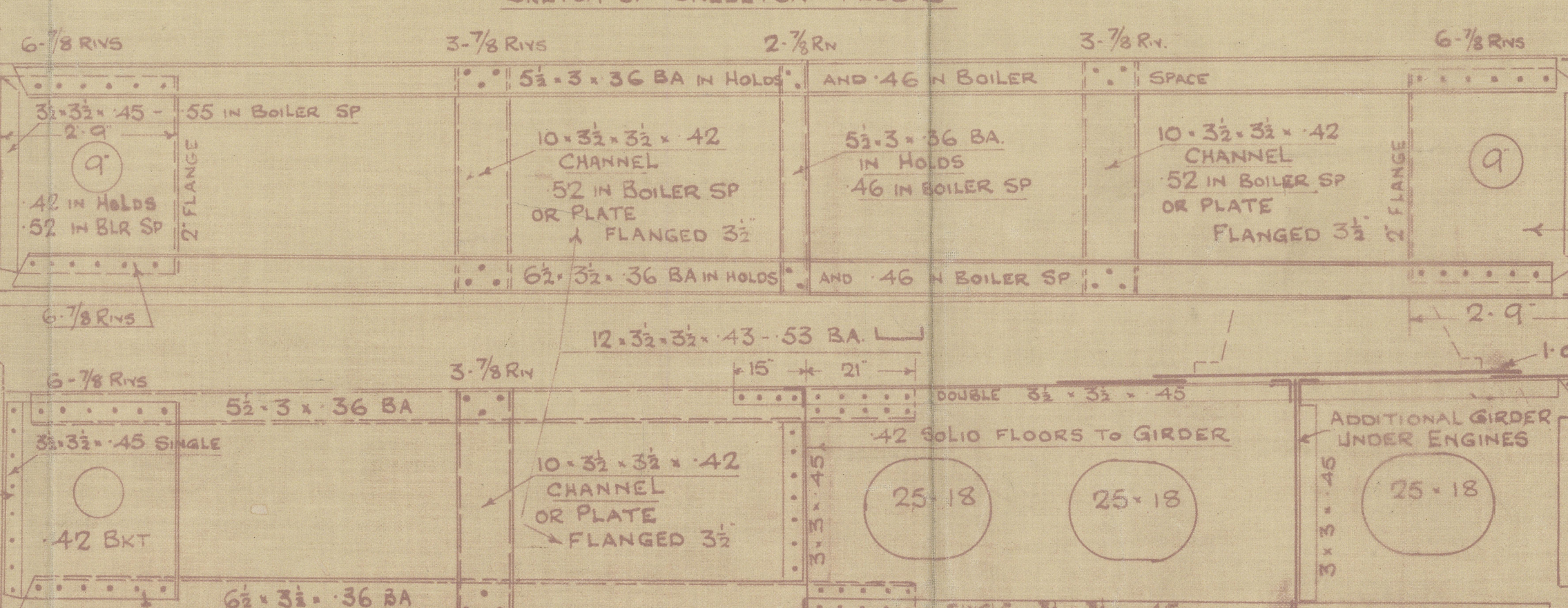
SOLID FLOORS TO BE FITTED ON EVERY THIRD FRAME, EXCEPT UNDER ENGINES, BOILER BEARERS & FORWARD OF 3/5 LENGTH.
FLOORS & BRACKETS INSIDE TANK 1/2 IN HOLDS & ENGINE ROOM - 52 IN BOILER SPACE.
FRAMES ON FLOORS 3 1/2 x 45 SINGLE THROUGHOUT, EXCEPT FORWARD OF 3/5 LENGTH WHICH ARE SINGLE
6 x 6 x 48 ANGLE DOUBLE RIVETED.
REVERSE FRAMES ON FLOORS 3 1/2 x 45 SINGLE IN HOLDS & DOUBLE UNDER ENGINE SEATING & THRUST SEAT
3 x 3 x 55 IN BOILER SPACE - DOUBLE UNDER BOILER BEARERS
SIDE GIRDER 1/2 IN HOLDS & ENGINE ROOM - 52 IN BOILER SPACE
ANGLES TO SHELL 3 1/2 x 45 SINGLE
ANGLES TO TANK TOP 3 1/2 x 45 IN HOLDS & ENGINE ROOM - 55 IN BOILER SPACE
ANGLES TO FLOORS 3 1/2 x 40 & 50
TANK TOP 1/2 TO 1/4 IN HOLDS
52 IN ENGINE ROOM
58 IN BOILER SPACE
BUTTS DOUBLE RIVETED FOR 1/2 LENGTH & SINGLE AT ENDS.

DOUBLE BOTTOM

CEILING FITTED THROUGHOUT HOLDS
TANK TOP UNDER HATCHES IN DEEP TANK INCREASED 08 IF NO CEILING FITTED

KNEES SPACED 7 DIAS APART FROM REVERSE
W.T. FLOORS 50 IN HOLDS - 8 STIFFENED BY 3 1/2 x 3 1/2 x 45
52 IN BOILER SPACE
ANGLES SPACED 50 APART.
FRAME TO TANK TOP & 7 DIAS THROUGH FLOOR
52 IN BOILER SPACE
ANGLES SPACED 50 APART.
25 x 18
25 x 18
25 x 18
25 x 18
25 x 18
25 x 18
RIVETS 7 DIAS TO FLOORS
& 6 1/2 DIAS FOR 1/2 IN EACH ROW
FORWARD FROM SHELL TO FRAME
NO MANHOLES IN FLOORS & INTERCOSTALS IN WAY OF PILLARS
RIVETS SPACED 7 DIAS APART (6 1/2 DIAS FROM 1/3 LENGTH)
MARGIN PLATE 40 x 54 IN HOLDS & ENGINE ROOM
60 IN BOILER SPACE
ANGLE 3 1/2 x 3 1/2 x 54
AB & C STRAKES TO MAINTAIN MIDSHIP THICKNESS TO RULE POSITION OF COLLISION BULKHEAD.

SKETCH OF SKELETON FLOORS



PARTIAL FLOORS UNDER ENGINES

PLAN No. 120
DATE: 12 FEB 1929

14.2.29

for

SHORT BROTHERS LTD

SUNDERLAND.

Edgar W Woodward

10/2/29

10/2/29

010563405712281

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SUNDERLAND

SHORT BROS. LTD

Types 437-9

MIDSHIP SECTION

437. "ANGLO SAXON."

PLANS TRANSFERRED
TO SISTER VESSEL

SUNDERLAND RPT. NO. 30095

Rsshun

Moore
103

439. S.S. "ANGLO AFRICAN"

SUNDERLAND RPT. NO. 30224

WS 438

offic for ... building.

W. ... plan to

Sunderland

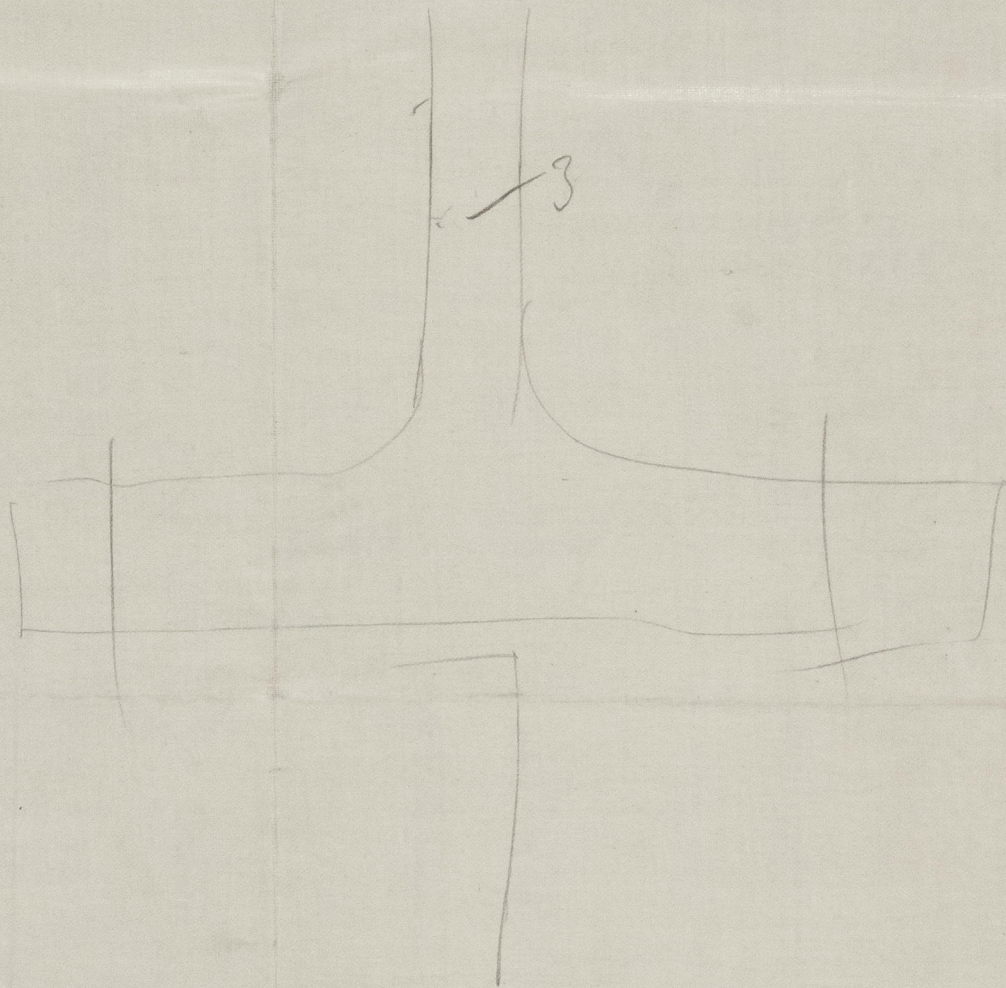
Vessel building



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