

MIDSHIPSECTION FOR T S M S „PACIFIC RANGER“

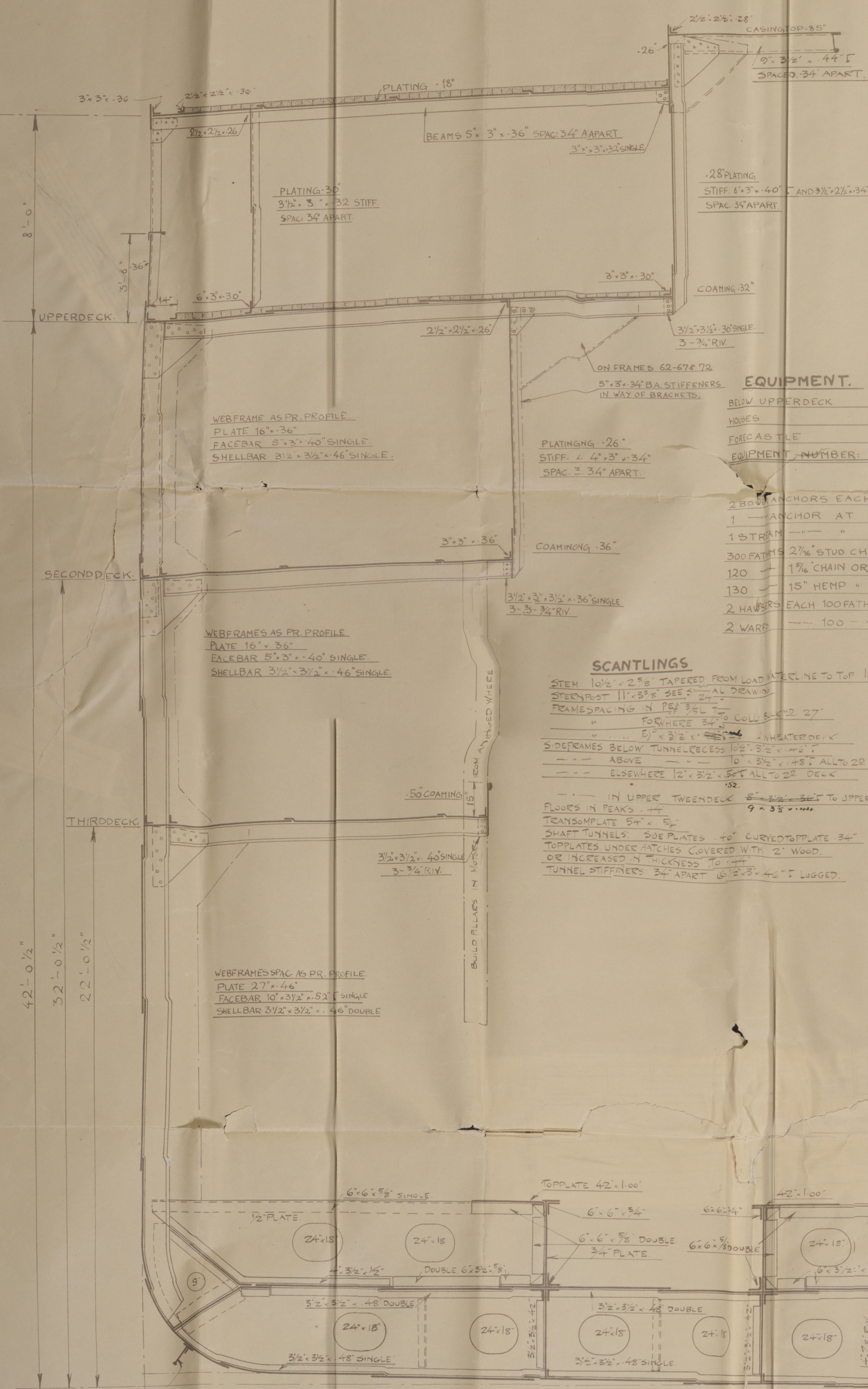
LENGTH BETW. P.P.	435'-0"
BREADTH MOULDED.	60'-0"
DEPTH MOULDED TO UPPERDECK	42'-0 1/2"
DEPTH MOULDED TO SECONDDECK.	32'-0 1/2"
DEPTH MOULDED TO THIRDDECK.	22'-0 1/2"

SCALE 1/2" = 1'-0"

BUILD TO CLASS. LLOYDS 100A1 WITH FREEBOARD AS COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING BUT WITH STRUCTURAL STEEL SCANTLING CORRESPONDING TO A DRAUGHT 29'-3" (COMPLETE SUPERSTRUCTURE VESSEL STRENGTHENED) DOUBLE BOTTOM ARRANGED TO CARRY WATERBALLAST AND OIL FUEL BUNKERS. OIL FUEL OF A FLASHPOINT ABOVE 150° FAHR.

SCANTLING NUMBERS AS COMPL. S	
D = 32.04 + 8 = 40.04	
L x D = 435 x 40.04 = 17417	
L x (B + D) = 435 x (60 + 40.04) = 43517	
L x D = 435 x 40.04 = 17417	
d = 22.04 - 3.83 - 1/2 = 17.71	

SCANTLING NUMBERS AS FULLD ⁸ VESSEL	
D = 42.04	
L x D = 435 x 42.04 = 18287	
L x (B + D) = 435 x (60 + 42.04) = 44387	
L x D = 435 x 42.04 = 18287	
d = 22.44 - 3.83 - 1/2 = 17.75	



EQUIPMENT.

BELOW UPPERDECK	44387
HOLES	561
FORECASTLE	225
EQUIPMENT NUMBER	45173

SCANTLING

STEM 10 1/2" x 25" TAPERED FROM LOAD LINE TO TOP 10 1/2" x 25"

STERNPOST 11" x 35" SEE 5" DRAWING

FRAMED PACING IN PEAK 3/4" x 27"

POWDER 34" x 27" COLL. 3/4" x 27"

5" x 3 1/2" x 27" WHEATER DECK

SIDE FRAMES BELOW TUNNEL 10 1/2" x 3 1/2" x 27"

ABOVE 10" x 3 1/2" x 27" ALL TO 2ND DECK

ELSEWHERE 12" x 3 1/2" x 27" ALL TO 2ND DECK

IN UPPER TWEENDECK 8" x 3 1/2" x 27" TO UPPERDECK SCARPED TO FRAMES BELOW

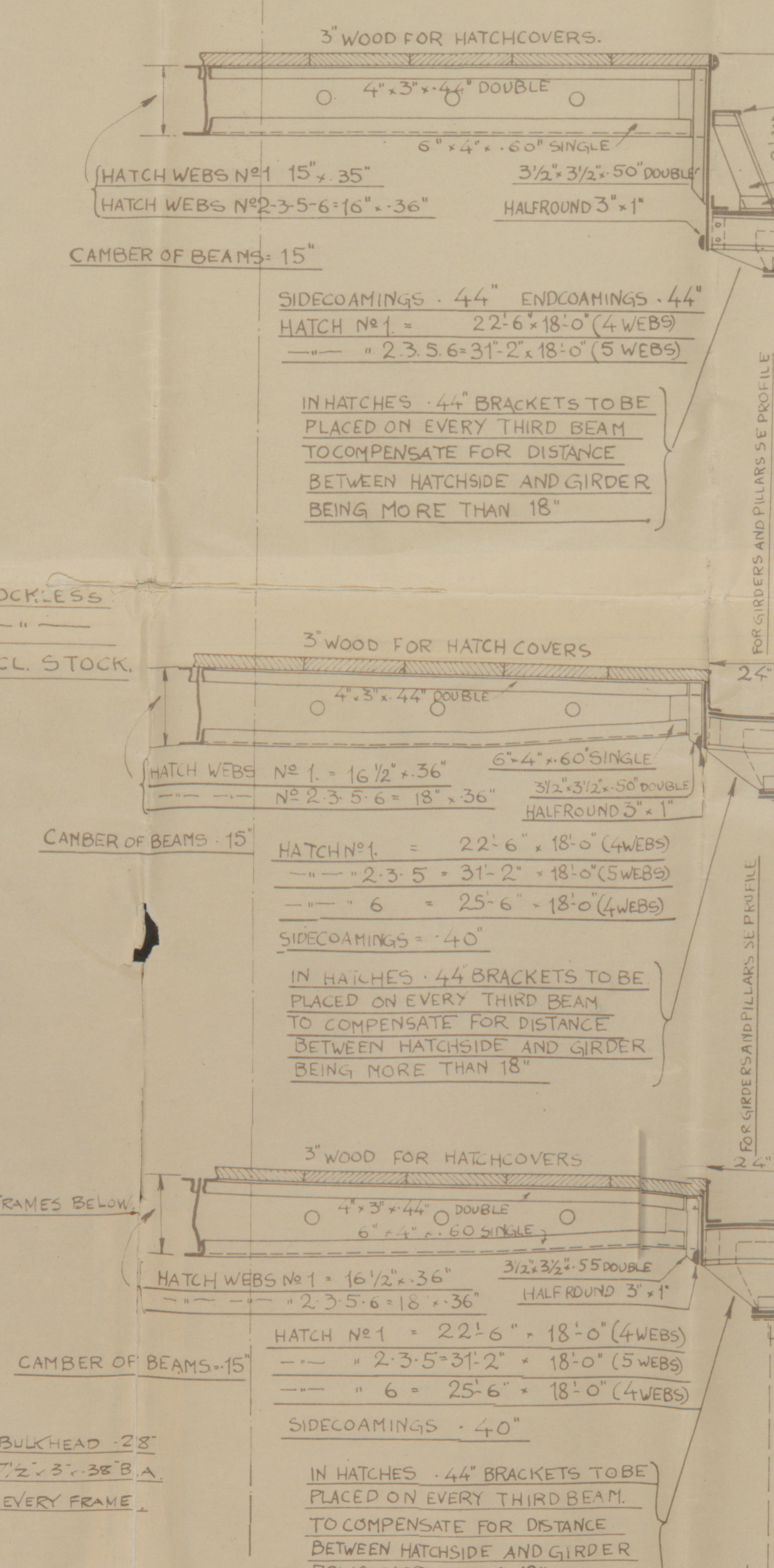
FLOORS IN PEAKS 5" x 5"

TRANSOM PLATE 5" x 5"

SHAFT TUNNELS. 30E PLATED 40" CURVED TOP PLATE 34"

TOP PLATES UNDER HATCHES COVERED WITH 2" WOOD OR INCREASED IN THICKNESS TO 4"

TUNNEL STIFFENERS 34" APART 6 1/2" x 4" LUGGED.



UPPERDECK.

BREADTH OF DECK	B = 59'-5"	2/3 B = 39'-6"	1/3 B = 29'-5"
ROWS OF PILLARS	TWO ROWS	TWO ROWS	TWO ROWS
BEAMS	SEE DECK PLAN	SEE DECK PLAN	SEE DECK PLAN
BRACKETS	25 1/2" x 48"		
HALF BEAMS	25 1/2" x 48"		
BRACKETS	25 1/2" x 48"		
STRINGER PLATES	63" x 64" FOR 1/2 L TO 40 1/2" x 44" AT ENDS		
DECK PLATING	52" FOR 1/2 L TO 36" AT ENDS		
DECK PLATING INSIDE HATCH	42"		
STRINGER ANGLES	6" x 4" x 40"		

2ND DECK

BREADTH OF DECK	B = 60'	2/3 B = 40'	1/3 B = 30'
ROWS OF PILLARS	TWO ROWS	TWO ROWS	TWO ROWS
BEAMS	SEE DECK PLAN	SEE DECK PLAN	SEE DECK PLAN
BRACKETS	28 1/2" x 50"		
HALF BEAMS	28 1/2" x 50"		
BRACKETS	28 1/2" x 50"		
STRINGER PLATES	72" x 42" FOR 1/2 L TO 38" x 36" AT ENDS		
DECK PLATING	38" FOR 1/2 L TO 32" AT ENDS		
DECK PLATING INSIDE HATCH	34"		
LUGS TO SHELL	3 1/2" x 3 1/2" x 44" FOR 1/2 L TO 3 1/2" x 3 1/2" x 36" AT ENDS		
INSIDE ANGLES	3" x 3" x 44" FOR 1/2 L TO 3" x 3" x 36" AT ENDS		

3RD DECK

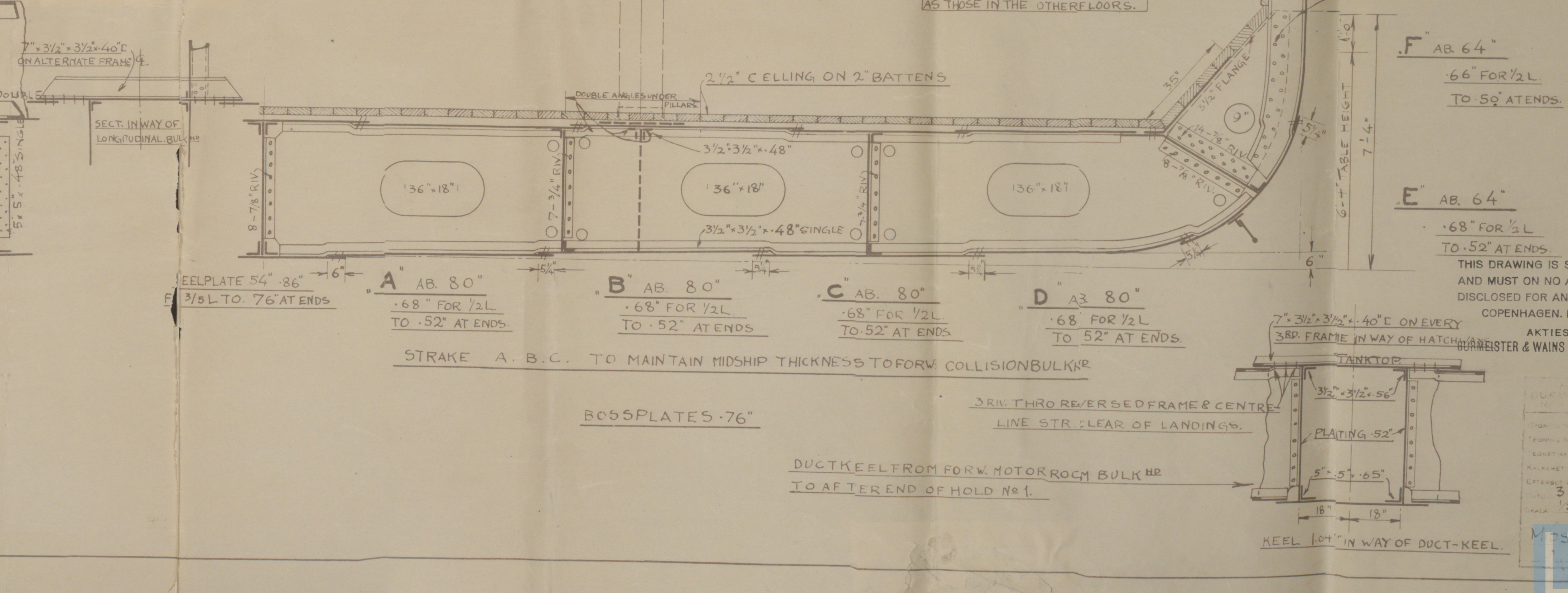
BREADTH OF DECK	B = 60'	2/3 B = 40'	1/3 B = 30'
ROWS OF PILLARS	TWO ROWS	TWO ROWS	TWO ROWS
BEAMS	SEE DECK PLAN	SEE DECK PLAN	SEE DECK PLAN
BRACKETS	28 1/2" x 50"		
HALF BEAMS	28 1/2" x 50"		
BRACKETS	28 1/2" x 50"		
STRINGER PLATE	72" x 34"		
DECK PLATING	30"		
LUGS TO SHELL	3 1/2" x 3 1/2" x 44" FOR 1/2 L TO 3 1/2" x 3 1/2" x 36" AT ENDS		
INSIDE ANGLES	3" x 3" x 44" FOR 1/2 L TO 3" x 3" x 36" AT ENDS		

ANGLES IN DOUBLE BOTTOM

	FOR 1/2 L	AT ENDS	IN MOTOR ROOM	REMARKS
CENTRE KEEL BOTTOM	5' 8" x 65"	5' 3" x 59"	5' 8" x 65"	DOUBLE THROUGHOUT
TOP	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	
INTER-CENTRAL BOTTOM	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	SINGLE
TOP	3" x 3" x 42"	3" x 3" x 42"	3" x 3" x 42"	
LUGS	3" x 3" x 42"	3" x 3" x 42"	3" x 3" x 42"	
MARGIN ANGLES	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	
OUTSIDE TANKSIDE LUGS	6 1/2" x 6 1/2" x 55"	6 1/2" x 6 1/2" x 55"	6 1/2" x 6 1/2" x 55"	
INSIDE	6 1/2" x 6 1/2" x 55"	6 1/2" x 6 1/2" x 55"	6 1/2" x 6 1/2" x 55"	
BOTTOM FRAMES ON FLOORS	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	SINGLE 5" x 5" x 48"
REVERSE	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	3 1/2" x 3 1/2" x 48"	BUT DOUBLE IN MOTOR ROOM
TANK DIVISIONS TO BE STIFFENED BY 3 1/2" x 3 1/2" x 48" ANG. 50" x 30" APART				
CONTINUOUS GUNDECK PLATING FROM FORE TO AFT 44" x 8" x 8" RIV. EACH WAY INCREASED TO 10" x 8" RIV. OWNERS REQUEST				

PLATES IN DOUBLE BOTTOM

	FOR 1/2 L	AT ENDS	IN MOTOR ROOM	REMARKS
CENTRE GIRDER	46" x 62"	48" x 62"	46" x 62"	THICKNESS TO BE INCR. 10% FOR 3/4 L
SIDE GIRDER	44" x 44"	44" x 44"	44" x 44"	TO 49"
MARGIN PLATE	41" x 56"	56" x 56"	41" x 56"	
FLOORS	44" x 44"	44" x 44"	44" x 44"	
OUTSIDE MARGIN BRACKETS	51" x 51"	51" x 51"	51" x 51"	
TANK TOP CENTRE STRAKE	72" x 55"	46" x 55"	72" x 55"	THICKNESS TO BE INCREASED TO 56" BELOW HATCHES IN PERTAIN
REIN. STRAKES	48" x 42"	42" x 42"	48" x 42"	
TANK DIVISIONS	52" x 52"	52" x 52"	52" x 52"	



UPPERDECK.

M' AB 60" .72" FOR 1/2 L TO .50" AT ENDS

L' AB 67 1/2" .70" FOR 1/2 L TO .50" AT ENDS

2ND DECK

K' AB 78" .66" FOR 1/2 L TO .50" AT ENDS

I' AB 78" .66" FOR 1/2 L TO .50" AT ENDS

3RD DECK

H' AB 78" .66" FOR 1/2 L TO .50" AT ENDS

G' AB 78" .66" FOR 1/2 L TO .50" AT ENDS

F' AB 64" .66" FOR 1/2 L TO .50" AT ENDS

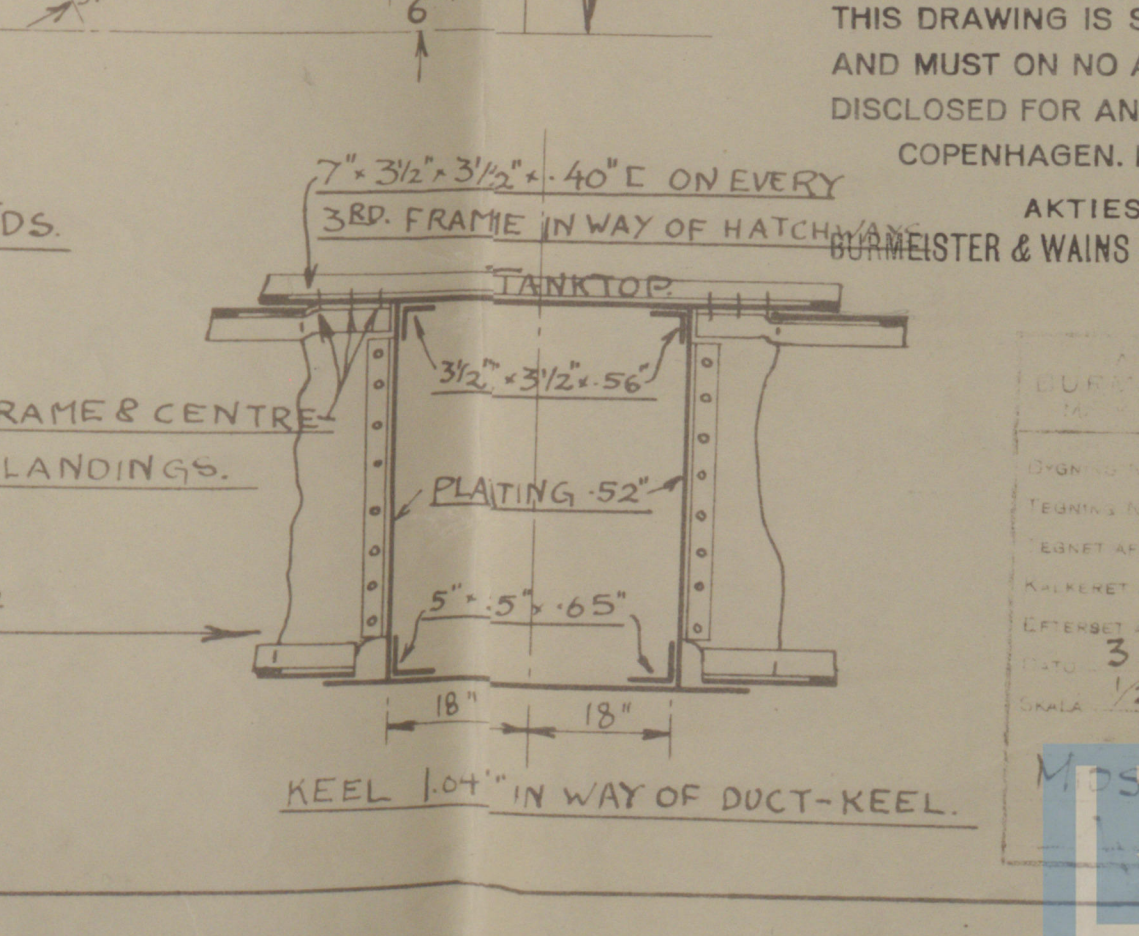
E' AB 64" .68" FOR 1/2 L TO .50" AT ENDS

D' AB 80" .68" FOR 1/2 L TO .52" AT ENDS

C' AB 80" .68" FOR 1/2 L TO .52" AT ENDS

B' AB 80" .68" FOR 1/2 L TO .52" AT ENDS

A' AB 80" .68" FOR 1/2 L TO .52" AT ENDS



THIS DRAWING IS STRICTLY CONFIDENTIAL AND MUST ON NO ACCOUNT BE COPIED OR DISCLOSED FOR ANY THIRD PERSON. COPENHAGEN, DATE: AKTIESELSKABET 3888 FRAM IN WAY OF HATCH REINISTER & WAINS MASKIN-OG SKIBSSYBERI.

M/S Pacific Ranger

Midship Section as built

W-70-0047



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