

N^o. 46-47 & 48. MIDSHIP SECTION

DIMENSIONS: 405 BP x 53-9" MLD x 34'-0" TO SHELTER DECK

SCALE 1/2" = 1 FOOT.



18.6.12
20.8.12
26.11.12
3.1.13
12.2.13
23.12.13

SHEER FOR FREEBOARD:

STEM	115"
1/8" FROM STEM	62 1/4"
MIDSHIP	0"
1/8" FROM POST	27"
POST	49"

TRANSVERSE NUMBER 5375 + 26 = 7975.
LONGITUDINAL " 7975 x 405 = 3229875.
PROPORTIONS 405/34 = 11'9" TO SK.D.
" 405/26 = 15'5 1/2" UPP.D.
d = 22' - 4"

EQUIPMENT NUMBER:

22298.75	(5375 + 26) x 405 =	32298.75
2430.00	SHELTER-DECK (405 x 8) ÷ 3/4 =	2430.00
900.00	BRIDGE-DECK (405 x 15) ÷ 3/4 =	708.00
210.00	POOP-HOUSE (53 x 75) ÷ 1/2 =	195.00
		35631.75
125.00	BRIDGE-HOUSE (29 x 75) ÷ 1/2 =	108.75
225.00	ENGINE ROOMS (60 x 75) ÷ 1/2 =	35740.5
36188.75		

EQUIPMENT:

2	BOWER ANCHORS	63 3/4 CWTs.	STOCKLESS.
1	"	54 1/2 "	"
1	STREAM	17 1/2 "	EX. STOCK.
1	KEDGE	7 1/2 "	"
270	FATH. 2 1/16" STOD CHAIN CABLE	682-1-11 CW	
90	"	4 3/4" STEEL WIRE.	
120	"	5 "	"
2	HAWSERS OF 8	90 FATHOMS.	
2	"	7	90 "

BRIDGE-DECK.

SHELTER-DECK.

UPPER-DECK.

BEAMS 5 1/2 x 3 1/2 x 50 BULB ANGLE ON EV. FR.
HATCH BEAMS THE SAME SIZE
ALSO HALF BEAMS.
SEE LONGITUDINAL-PLAN.

BEAMS 7 1/2 x 3 1/2 x 50 BULB ANGLE ON EV. FR.
HATCH BEAMS THE SAME SIZE ALSO HALF BEAMS.
SEE LONGITUDINAL-PLAN.

NOTE: THE SCANTLING AND DETAILS OF CONSTRUCTION NOTED HERE ON ARE SUBMITTED ON THE UNDERSTANDING THAT THEY ARE THE MINIMUM WHICH WILL BE ACCEPTED FOR CLASS AT THIS DATE AND IF NOT THEY ARE TO BE AMENDED. ERRORS OR OMISSIONS EXCEPTED.

NOTE: THE WATERTIGHT BULKHEADS ALL TO UPPER-DECK AND THE COLLISION-BULKHEAD TO SHELTER-DECK.

FOR PARTIAL TWEEN-DECKS FOR AND AFT SEE LONGITUDINAL-PLAN.

Frames in B space 10 x 3 1/2 x 58 BULB ANGLE.

FRAMES 10 x 3 1/2 x 58 BULB ANGLE SPACED 3' APART AND JOGGED ALL TO UPPER-DECK.
FRAMES FORWARD OF 3/4 LENGTH 9 1/2 x 39 1/2 x 28 SPACED 25' APART TO UPPER-DECK.
TANK FRAMES 6 x 3 1/2 x 50 SPACED 24' APART WITH REVERSE FRAMES 3 1/2 x 36 (DEPTH OF FRAMING 6" APART)
REVERSE FRAMES IN PEAK ALTERNATIVELY TO SHELTER & UPPER-DECK.
BRIDGE FRAMES 3 1/2 x 40" SCARPHED 24" ON THE BULB ANGLE SIDE FRAMES BELOW UPPER-DECK.
TANK FRAMES 3 1/2 x 3 1/2 x 40 TO 38 AND 50 IN BOILER SPACE; DOUBLE REVERSE FRAMES UNDER BOILER BEARERS 3 1/2 x 3 1/2 x 50; DOUBLE REVERSE FRAMES IN ENGINE SPACE 3 1/2 x 3 1/2 x 40
WATERTIGHT BULKHEADS (FOR) SEE LONGITUDINAL PLAN.
TUNNEL PLATING 3/4 AND CROWN PLATING INCREASED TO 1/4 IN WAY OF HATCHES
TUNNEL STIFFENERS 3 1/2 x 3 1/2 x 48 SPACED 52" APART AND 36" APART UNDER HATCHES
PROPELLER POST 10 1/2 x 7 1/2" FUDDER POST 9 1/2 x 7 1/2" AND STEM 10 1/2 x 2 3/4"
AFTERLENGTHS OF PLATING CONNECTED TO STERN FRAME — SAME THICKNESS AS THEIR STRAKES MIDSHIPS
PROPELLER BOSS PLATES 7/4 THICK

RIVETTING

RIVETS IN SHELL AND STRINGER BUTTS 3/8" DIAMETER APART CENTRE TO CENTRE
RIVETS 4 DIAMETERS APART 8" TO 6" IN QUADRIPLY RIVETTED BUTTS AND EDGES OF SHELL.
RIVETS THROUGH FRAMES AND SHELL 3/8" DIAMETER APART 8" TO 6"
RIVETS IN BUTTS AND EDGES OF INNER BOTTOM PLATING 4 DIAMETERS APART 8" TO 6"
RIVETS IN BOTTOM FRAMES BEFORE THE 35' LENGTH 5 1/2 DIAMETER APART 8" TO 6".
TWO RIVETS IN WAY OF DOUBLE RIVETTED SHELL LANDINGS.
RIVETS IN STEM AND STERN FRAME 1/4 DIAMETER SPACED 5 DIAMETERS APART 8" TO 6".

FLOORS: SOLID FLOORS ON EVERY 3RD FRAME 40 TO 36 WITH 3 INTERMEDIATE STIFFENERS 3 1/2 x 3 1/2 x 40, 50 IN BOILER SPACE.
SOLID FLOORS IN ENGINE SPACE, UNDER BOILER BEARERS AND

INNER BOTTOM PLATING 1/4 FOR 1/2 LENGTH TO 38 AT ENDS 1/4 IN ENGINE SPACE AND 56 IN B. SPACE
BUTTS LAPPED AND 3R IN ENGINE AND BOILER SPACE TO 1R FOR 1/2 L & ENDS. 1/4 FOR 1/2 L & ENDS. 1/4 FOR 1/2 L & ENDS.

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P. STRAKE.
AT BRIDGE.
48" x 60" 50"
BUTTS LAPPED
AND 3R 4R

O. STRAKE.
AT BRIDGE.
48" x 60" 50"
BUTTS LAPPED
AND 3R 4R

N. STRAKE.
IN WAY OF BRIDGE.
48" x 60" FOR 1/2 L TO 48"
AT ENDS. BUTTS LAPPED
AND 3R FOR 1/2 L TO ENDS.
FROM WITHIN BRIDGE
TOKL 74 B.L. 4 R.

M. STRAKE.
59" x 66" FOR 1/2 L TO 48"
AT ENDS. BUTTS LAPPED
AND 3R FOR 1/2 L TO 3R AT ENDS.
FROM WITHIN BRIDGE TO
1/2 L. 70. BUTTS L. 2 4 R.

L. STRAKE.
48" x 66" FOR 1/2 L TO
48" AT ENDS. BUTTS
LAPPED AND 3R FOR 1/2
L TO 3R AT ENDS.

K. STRAKE.
56" x 66" FOR 1/2 L TO
48" AT ENDS. BUTTS
LAPPED AND 3R FOR
1/2 L TO 3R AT ENDS.

I. STRAKE.
56" x 66" FOR 1/2 L TO
48" AT ENDS. BUTTS
LAPPED AND 3R FOR 1/2
L TO 3R AT ENDS.

H. STRAKE.
56" x 66" FOR 1/2 L TO
48" AT ENDS. BUTTS
LAPPED AND 3R FOR
1/2 L TO 3R AT ENDS.

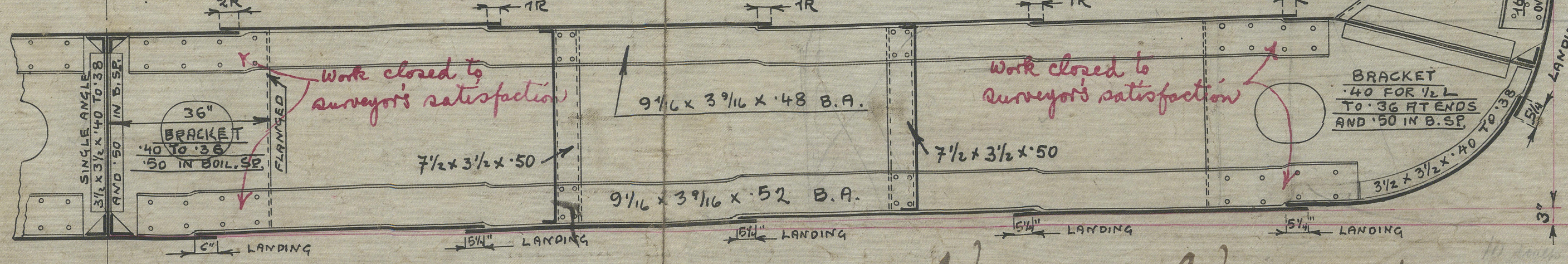
G. STRAKE.
56" x 66" FOR 1/2 L TO
48" AT ENDS. BUTTS
LAPPED AND 3R FOR
1/2 L TO 3R AT ENDS.

F. STRAKE.
56" x 66" FOR 1/2 L TO
48" AT ENDS. BUTTS
LAPPED AND 3R FOR
1/2 L TO 3R AT ENDS.

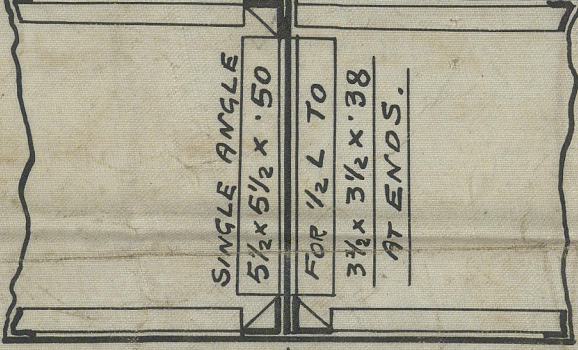
PLAIN BULB 10" x 4 1/2" WITH
TER BAR 6 x 4 x 56 TO SHELL

Length of overlap shell
butts to be as required
for 1" rivets

SECTION OF INTERMEDIATE FRAMES OUTSIDE ENGINE SPACE ETC. EXCEPT FROM 1/2 LENGTH FORWARD WHICH ARE ON EVERY FRAME



SINGLE ANGLE 4 1/4 x 4 1/4 x 60 FOR
1/2 L TO 54 AT ENDS; DOUBLE 3 1/2 x 3 1/2 x 60 IN BOILER SP
DOUBLE 3 1/2 x 3 1/2 x 60 IN ENGINE SP



ALTERNATIVE PLAN
SHOWING SINGLE ANGLE ON CENTRE
GIRDER TOP AND 6TH GIRDER WITH FLOORS.

N. N. Swana

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Foundation

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